APPENDIX
J-5

ANALYTICAL DATA REPORTS AND

DATA VALIDATION REVIEW MEMOS

April 2018

ANALYTICAL REPORT

April 10, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L982616
Samples Received:	04/03/2018
Project Number:	1413.001.05.304
Description:	American Linen Project

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

Entire Report Reviewed By: Brian Ford

Brian Ford
Technical Service Representative

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MW-147-10 L982616-01 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/02/18 09:45 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094352	1	04/07/18 12:57	04/07/18 13:06	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 09:45	04/05/18 03:16	RAS

MW-147-20 L982616-02 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/02/18 10:05 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094352	1	04/07/18 12:57	04/07/18 13:06	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 10:05	04/05/18 03:37	RAS

MW-147-30 L982616-03 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/02/18 10:20 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094352	1	04/07/18 12:57	04/07/18 13:06	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 10:20	04/05/18 03:58	RAS

MW-147-40 L982616-04 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/02/18 10:35 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094352	1	04/07/18 12:57	04/07/18 13:06	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 10:35	04/05/18 04:20	RAS

MW-147-50 L982616-05 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/02/18 11:00 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094352	1	04/07/18 12:57	04/07/18 13:06	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 11:00	04/05/18 04:41	RAS

MW-147-60 L982616-06 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/02/18 11:20 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094356	1	04/06/18 11:15	04/06/18 11:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 11:20	04/05/18 05:02	RAS

MW-147-70 L982616-07 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/02/18 11:45 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094356	1	04/06/18 11:15	04/06/18 11:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 11:45	04/05/18 05:23	RAS

MW-147-80 L982616-08 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/02/18 12:09
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094356	1	04/06/18 11:15	04/06/18 11:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 12:09	04/05/18 05:45	RAS

TRIP BLANK L982616-09 GW

Collected by: Rachel McLaughlin
Collected date/time: 04/02/18 00:00
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093766	1	04/04/18 20:36	04/04/18 20:36	BMB

MW-901-10 L982616-10 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/02/18 14:00
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094356	1	04/06/18 11:15	04/06/18 11:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 14:00	04/10/18 12:03	JAH

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

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0111	J	0.0109	0.0543	1	04/05/2018 03:16	WG1093771
Acrylonitrile	U		0.00194	0.0109	1	04/05/2018 03:16	WG1093771
Benzene	0.000566	J	0.000293	0.00109	1	04/05/2018 03:16	WG1093771
Bromobenzene	U		0.000308	0.00109	1	04/05/2018 03:16	WG1093771
Bromodichloromethane	U		0.000276	0.00109	1	04/05/2018 03:16	WG1093771
Bromochloromethane	U		0.000424	0.00543	1	04/05/2018 03:16	WG1093771
Bromoform	U		0.000460	0.00109	1	04/05/2018 03:16	WG1093771
Bromomethane	U		0.00146	0.00543	1	04/05/2018 03:16	WG1093771
n-Butylbenzene	U		0.000280	0.00109	1	04/05/2018 03:16	WG1093771
sec-Butylbenzene	U		0.000218	0.00109	1	04/05/2018 03:16	WG1093771
tert-Butylbenzene	U		0.000224	0.00109	1	04/05/2018 03:16	WG1093771
Carbon disulfide	0.000653	J	0.000240	0.00109	1	04/05/2018 03:16	WG1093771
Carbon tetrachloride	U		0.000356	0.00109	1	04/05/2018 03:16	WG1093771
Chlorobenzene	U		0.000230	0.00109	1	04/05/2018 03:16	WG1093771
Chlorodibromomethane	U		0.000405	0.00109	1	04/05/2018 03:16	WG1093771
Chloroethane	U		0.00103	0.00543	1	04/05/2018 03:16	WG1093771
Chloroform	U		0.000249	0.00543	1	04/05/2018 03:16	WG1093771
Chloromethane	U		0.000407	0.00271	1	04/05/2018 03:16	WG1093771
2-Chlorotoluene	U		0.000327	0.00109	1	04/05/2018 03:16	WG1093771
4-Chlorotoluene	U		0.000261	0.00109	1	04/05/2018 03:16	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	04/05/2018 03:16	WG1093771
1,2-Dibromoethane	U		0.000372	0.00109	1	04/05/2018 03:16	WG1093771
Dibromomethane	U		0.000415	0.00109	1	04/05/2018 03:16	WG1093771
1,2-Dichlorobenzene	U		0.000331	0.00109	1	04/05/2018 03:16	WG1093771
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/05/2018 03:16	WG1093771
1,4-Dichlorobenzene	U		0.000245	0.00109	1	04/05/2018 03:16	WG1093771
Dichlorodifluoromethane	U		0.000774	0.00543	1	04/05/2018 03:16	WG1093771
1,1-Dichloroethane	U		0.000216	0.00109	1	04/05/2018 03:16	WG1093771
1,2-Dichloroethane	U		0.000288	0.00109	1	04/05/2018 03:16	WG1093771
1,1-Dichloroethene	U		0.000329	0.00109	1	04/05/2018 03:16	WG1093771
cis-1,2-Dichloroethene	U		0.000255	0.00109	1	04/05/2018 03:16	WG1093771
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/05/2018 03:16	WG1093771
1,2-Dichloropropane	U		0.000389	0.00109	1	04/05/2018 03:16	WG1093771
1,1-Dichloropropene	U		0.000344	0.00109	1	04/05/2018 03:16	WG1093771
1,3-Dichloropropane	U		0.000225	0.00109	1	04/05/2018 03:16	WG1093771
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/05/2018 03:16	WG1093771
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	04/05/2018 03:16	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000845	0.00271	1	04/05/2018 03:16	WG1093771
2,2-Dichloropropane	U		0.000303	0.00109	1	04/05/2018 03:16	WG1093771
Di-isopropyl ether	U		0.000269	0.00109	1	04/05/2018 03:16	WG1093771
Ethylbenzene	U		0.000323	0.00109	1	04/05/2018 03:16	WG1093771
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	04/05/2018 03:16	WG1093771
2-Hexanone	U		0.00149	0.0109	1	04/05/2018 03:16	WG1093771
n-Hexane	U		0.000315	0.0109	1	04/05/2018 03:16	WG1093771
Iodomethane	U		0.00275	0.0109	1	04/05/2018 03:16	WG1093771
Isopropylbenzene	U		0.000264	0.00109	1	04/05/2018 03:16	WG1093771
p-Isopropyltoluene	U		0.000222	0.00109	1	04/05/2018 03:16	WG1093771
2-Butanone (MEK)	U		0.00508	0.0109	1	04/05/2018 03:16	WG1093771
Methylene Chloride	U		0.00109	0.00543	1	04/05/2018 03:16	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	04/05/2018 03:16	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00109	1	04/05/2018 03:16	WG1093771
Naphthalene	U		0.00109	0.00543	1	04/05/2018 03:16	WG1093771
n-Propylbenzene	U		0.000224	0.00109	1	04/05/2018 03:16	WG1093771
Styrene	U		0.000254	0.00109	1	04/05/2018 03:16	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/05/2018 03:16	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	04/05/2018 03:16	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	04/05/2018 03:16	WG1093771
Tetrachloroethene	0.000697	J	0.000300	0.00109	1	04/05/2018 03:16	WG1093771
Toluene	U		0.000471	0.00543	1	04/05/2018 03:16	WG1093771
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	04/05/2018 03:16	WG1093771
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	04/05/2018 03:16	WG1093771
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/05/2018 03:16	WG1093771
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/05/2018 03:16	WG1093771
Trichloroethene	U		0.000303	0.00109	1	04/05/2018 03:16	WG1093771
Trichlorofluoromethane	U		0.000415	0.00543	1	04/05/2018 03:16	WG1093771
1,2,3-Trichloropropane	U		0.000805	0.00271	1	04/05/2018 03:16	WG1093771
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	04/05/2018 03:16	WG1093771
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/05/2018 03:16	WG1093771
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/05/2018 03:16	WG1093771
Vinyl acetate	U		0.00260	0.0109	1	04/05/2018 03:16	WG1093771
Vinyl chloride	U		0.000316	0.00109	1	04/05/2018 03:16	WG1093771
Xylenes, Total	U		0.000758	0.00326	1	04/05/2018 03:16	WG1093771
(S) Toluene-d8	*102*			*80.0-120*		*04/05/2018 03:16*	WG1093771
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/05/2018 03:16*	WG1093771
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/05/2018 03:16*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0108	0.0540	1	04/05/2018 03:37	WG1093771
Acrylonitrile	U		0.00193	0.0108	1	04/05/2018 03:37	WG1093771
Benzene	U		0.000292	0.00108	1	04/05/2018 03:37	WG1093771
Bromobenzene	U		0.000307	0.00108	1	04/05/2018 03:37	WG1093771
Bromodichloromethane	U		0.000275	0.00108	1	04/05/2018 03:37	WG1093771
Bromochloromethane	U		0.000421	0.00540	1	04/05/2018 03:37	WG1093771
Bromoform	U		0.000458	0.00108	1	04/05/2018 03:37	WG1093771
Bromomethane	U		0.00145	0.00540	1	04/05/2018 03:37	WG1093771
n-Butylbenzene	U		0.000279	0.00108	1	04/05/2018 03:37	WG1093771
sec-Butylbenzene	U		0.000217	0.00108	1	04/05/2018 03:37	WG1093771
tert-Butylbenzene	U		0.000223	0.00108	1	04/05/2018 03:37	WG1093771
Carbon disulfide	0.00140		0.000239	0.00108	1	04/05/2018 03:37	WG1093771
Carbon tetrachloride	U		0.000354	0.00108	1	04/05/2018 03:37	WG1093771
Chlorobenzene	U		0.000229	0.00108	1	04/05/2018 03:37	WG1093771
Chlorodibromomethane	U		0.000403	0.00108	1	04/05/2018 03:37	WG1093771
Chloroethane	U		0.00102	0.00540	1	04/05/2018 03:37	WG1093771
Chloroform	U		0.000247	0.00540	1	04/05/2018 03:37	WG1093771
Chloromethane	U		0.000405	0.00270	1	04/05/2018 03:37	WG1093771
2-Chlorotoluene	U		0.000325	0.00108	1	04/05/2018 03:37	WG1093771
4-Chlorotoluene	U		0.000259	0.00108	1	04/05/2018 03:37	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/05/2018 03:37	WG1093771
1,2-Dibromoethane	U		0.000371	0.00108	1	04/05/2018 03:37	WG1093771
Dibromomethane	U		0.000413	0.00108	1	04/05/2018 03:37	WG1093771
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/05/2018 03:37	WG1093771
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/05/2018 03:37	WG1093771
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/05/2018 03:37	WG1093771
Dichlorodifluoromethane	U		0.000771	0.00540	1	04/05/2018 03:37	WG1093771
1,1-Dichloroethane	U		0.000215	0.00108	1	04/05/2018 03:37	WG1093771
1,2-Dichloroethane	U		0.000286	0.00108	1	04/05/2018 03:37	WG1093771
1,1-Dichloroethene	U		0.000327	0.00108	1	04/05/2018 03:37	WG1093771
cis-1,2-Dichloroethene	U		0.000254	0.00108	1	04/05/2018 03:37	WG1093771
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	04/05/2018 03:37	WG1093771
1,2-Dichloropropane	U		0.000387	0.00108	1	04/05/2018 03:37	WG1093771
1,1-Dichloropropene	U		0.000343	0.00108	1	04/05/2018 03:37	WG1093771
1,3-Dichloropropane	U		0.000224	0.00108	1	04/05/2018 03:37	WG1093771
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/05/2018 03:37	WG1093771
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/05/2018 03:37	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/05/2018 03:37	WG1093771
2,2-Dichloropropane	U		0.000302	0.00108	1	04/05/2018 03:37	WG1093771
Di-isopropyl ether	U		0.000268	0.00108	1	04/05/2018 03:37	WG1093771
Ethylbenzene	U		0.000321	0.00108	1	04/05/2018 03:37	WG1093771
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	04/05/2018 03:37	WG1093771
2-Hexanone	U		0.00148	0.0108	1	04/05/2018 03:37	WG1093771
n-Hexane	U		0.000313	0.0108	1	04/05/2018 03:37	WG1093771
Iodomethane	U		0.00273	0.0108	1	04/05/2018 03:37	WG1093771
Isopropylbenzene	U		0.000263	0.00108	1	04/05/2018 03:37	WG1093771
p-Isopropyltoluene	U		0.000220	0.00108	1	04/05/2018 03:37	WG1093771
2-Butanone (MEK)	U		0.00506	0.0108	1	04/05/2018 03:37	WG1093771
Methylene Chloride	U		0.00108	0.00540	1	04/05/2018 03:37	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/05/2018 03:37	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/05/2018 03:37	WG1093771
Naphthalene	U		0.00108	0.00540	1	04/05/2018 03:37	WG1093771
n-Propylbenzene	U		0.000223	0.00108	1	04/05/2018 03:37	WG1093771
Styrene	U		0.000253	0.00108	1	04/05/2018 03:37	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/05/2018 03:37	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	04/05/2018 03:37	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	04/05/2018 03:37	WG1093771
Tetrachloroethene	0.000759	J	0.000298	0.00108	1	04/05/2018 03:37	WG1093771
Toluene	U		0.000469	0.00540	1	04/05/2018 03:37	WG1093771
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/05/2018 03:37	WG1093771
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/05/2018 03:37	WG1093771
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/05/2018 03:37	WG1093771
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/05/2018 03:37	WG1093771
Trichloroethene	U		0.000302	0.00108	1	04/05/2018 03:37	WG1093771
Trichlorofluoromethane	U		0.000413	0.00540	1	04/05/2018 03:37	WG1093771
1,2,3-Trichloropropane	U		0.000801	0.00270	1	04/05/2018 03:37	WG1093771
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/05/2018 03:37	WG1093771
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/05/2018 03:37	WG1093771
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/05/2018 03:37	WG1093771
Vinyl acetate	U		0.00258	0.0108	1	04/05/2018 03:37	WG1093771
Vinyl chloride	U		0.000314	0.00108	1	04/05/2018 03:37	WG1093771
Xylenes, Total	U		0.000754	0.00324	1	04/05/2018 03:37	WG1093771
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 03:37*	WG1093771
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/05/2018 03:37*	WG1093771
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*04/05/2018 03:37*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0558	1	04/05/2018 03:58	WG1093771
Acrylonitrile	U		0.00200	0.0112	1	04/05/2018 03:58	WG1093771
Benzene	U		0.000301	0.00112	1	04/05/2018 03:58	WG1093771
Bromobenzene	U		0.000317	0.00112	1	04/05/2018 03:58	WG1093771
Bromodichloromethane	U		0.000284	0.00112	1	04/05/2018 03:58	WG1093771
Bromochloromethane	U		0.000435	0.00558	1	04/05/2018 03:58	WG1093771
Bromoform	U		0.000473	0.00112	1	04/05/2018 03:58	WG1093771
Bromomethane	U		0.00150	0.00558	1	04/05/2018 03:58	WG1093771
n-Butylbenzene	U		0.000288	0.00112	1	04/05/2018 03:58	WG1093771
sec-Butylbenzene	U		0.000224	0.00112	1	04/05/2018 03:58	WG1093771
tert-Butylbenzene	U		0.000230	0.00112	1	04/05/2018 03:58	WG1093771
Carbon disulfide	U		0.000247	0.00112	1	04/05/2018 03:58	WG1093771
Carbon tetrachloride	U		0.000366	0.00112	1	04/05/2018 03:58	WG1093771
Chlorobenzene	U		0.000237	0.00112	1	04/05/2018 03:58	WG1093771
Chlorodibromomethane	U		0.000416	0.00112	1	04/05/2018 03:58	WG1093771
Chloroethane	U		0.00106	0.00558	1	04/05/2018 03:58	WG1093771
Chloroform	U		0.000256	0.00558	1	04/05/2018 03:58	WG1093771
Chloromethane	U		0.000419	0.00279	1	04/05/2018 03:58	WG1093771
2-Chlorotoluene	U		0.000336	0.00112	1	04/05/2018 03:58	WG1093771
4-Chlorotoluene	U		0.000268	0.00112	1	04/05/2018 03:58	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/05/2018 03:58	WG1093771
1,2-Dibromoethane	U		0.000383	0.00112	1	04/05/2018 03:58	WG1093771
Dibromomethane	U		0.000427	0.00112	1	04/05/2018 03:58	WG1093771
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/05/2018 03:58	WG1093771
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/05/2018 03:58	WG1093771
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/05/2018 03:58	WG1093771
Dichlorodifluoromethane	U		0.000796	0.00558	1	04/05/2018 03:58	WG1093771
1,1-Dichloroethane	U		0.000222	0.00112	1	04/05/2018 03:58	WG1093771
1,2-Dichloroethane	U		0.000296	0.00112	1	04/05/2018 03:58	WG1093771
1,1-Dichloroethene	U		0.000338	0.00112	1	04/05/2018 03:58	WG1093771
cis-1,2-Dichloroethene	0.00239		0.000262	0.00112	1	04/05/2018 03:58	WG1093771
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/05/2018 03:58	WG1093771
1,2-Dichloropropane	U		0.000400	0.00112	1	04/05/2018 03:58	WG1093771
1,1-Dichloropropene	U		0.000354	0.00112	1	04/05/2018 03:58	WG1093771
1,3-Dichloropropane	U		0.000231	0.00112	1	04/05/2018 03:58	WG1093771
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/05/2018 03:58	WG1093771
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/05/2018 03:58	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	04/05/2018 03:58	WG1093771
2,2-Dichloropropane	U		0.000312	0.00112	1	04/05/2018 03:58	WG1093771
Di-isopropyl ether	U		0.000277	0.00112	1	04/05/2018 03:58	WG1093771
Ethylbenzene	U		0.000332	0.00112	1	04/05/2018 03:58	WG1093771
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/05/2018 03:58	WG1093771
2-Hexanone	U		0.00153	0.0112	1	04/05/2018 03:58	WG1093771
n-Hexane	U		0.000324	0.0112	1	04/05/2018 03:58	WG1093771
Iodomethane	U		0.00282	0.0112	1	04/05/2018 03:58	WG1093771
Isopropylbenzene	U		0.000271	0.00112	1	04/05/2018 03:58	WG1093771
p-Isopropyltoluene	U		0.000228	0.00112	1	04/05/2018 03:58	WG1093771
2-Butanone (MEK)	U		0.00523	0.0112	1	04/05/2018 03:58	WG1093771
Methylene Chloride	U		0.00112	0.00558	1	04/05/2018 03:58	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/05/2018 03:58	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/05/2018 03:58	WG1093771
Naphthalene	U		0.00112	0.00558	1	04/05/2018 03:58	WG1093771
n-Propylbenzene	U		0.000230	0.00112	1	04/05/2018 03:58	WG1093771
Styrene	U		0.000261	0.00112	1	04/05/2018 03:58	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/05/2018 03:58	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/05/2018 03:58	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/05/2018 03:58	WG1093771
Tetrachloroethene	0.0238		0.000308	0.00112	1	04/05/2018 03:58	WG1093771
Toluene	U		0.000485	0.00558	1	04/05/2018 03:58	WG1093771
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/05/2018 03:58	WG1093771
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/05/2018 03:58	WG1093771
1,1,1-Trichloroethane	U		0.000319	0.00112	1	04/05/2018 03:58	WG1093771
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/05/2018 03:58	WG1093771
Trichloroethene	0.00330		0.000312	0.00112	1	04/05/2018 03:58	WG1093771
Trichlorofluoromethane	U		0.000427	0.00558	1	04/05/2018 03:58	WG1093771
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/05/2018 03:58	WG1093771
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/05/2018 03:58	WG1093771
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/05/2018 03:58	WG1093771
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/05/2018 03:58	WG1093771
Vinyl acetate	U		0.00267	0.0112	1	04/05/2018 03:58	WG1093771
Vinyl chloride	U		0.000325	0.00112	1	04/05/2018 03:58	WG1093771
Xylenes, Total	U		0.000779	0.00335	1	04/05/2018 03:58	WG1093771
(S) Toluene-d8	*100*			*80.0-120*		*04/05/2018 03:58*	WG1093771
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/05/2018 03:58*	WG1093771
(S) 4-Bromofluorobenzene	*98.1*			*64.0-132*		*04/05/2018 03:58*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0113	J	0.0110	0.0552	1	04/05/2018 04:20	WG1093771
Acrylonitrile	U		0.00198	0.0110	1	04/05/2018 04:20	WG1093771
Benzene	U		0.000298	0.00110	1	04/05/2018 04:20	WG1093771
Bromobenzene	U		0.000313	0.00110	1	04/05/2018 04:20	WG1093771
Bromodichloromethane	U		0.000280	0.00110	1	04/05/2018 04:20	WG1093771
Bromochloromethane	U		0.000430	0.00552	1	04/05/2018 04:20	WG1093771
Bromoform	U		0.000468	0.00110	1	04/05/2018 04:20	WG1093771
Bromomethane	U		0.00148	0.00552	1	04/05/2018 04:20	WG1093771
n-Butylbenzene	U		0.000285	0.00110	1	04/05/2018 04:20	WG1093771
sec-Butylbenzene	U		0.000222	0.00110	1	04/05/2018 04:20	WG1093771
tert-Butylbenzene	U		0.000227	0.00110	1	04/05/2018 04:20	WG1093771
Carbon disulfide	0.000405	J	0.000244	0.00110	1	04/05/2018 04:20	WG1093771
Carbon tetrachloride	U		0.000362	0.00110	1	04/05/2018 04:20	WG1093771
Chlorobenzene	U		0.000234	0.00110	1	04/05/2018 04:20	WG1093771
Chlorodibromomethane	U		0.000412	0.00110	1	04/05/2018 04:20	WG1093771
Chloroethane	U		0.00104	0.00552	1	04/05/2018 04:20	WG1093771
Chloroform	U		0.000253	0.00552	1	04/05/2018 04:20	WG1093771
Chloromethane	U		0.000414	0.00276	1	04/05/2018 04:20	WG1093771
2-Chlorotoluene	U		0.000332	0.00110	1	04/05/2018 04:20	WG1093771
4-Chlorotoluene	U		0.000265	0.00110	1	04/05/2018 04:20	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/05/2018 04:20	WG1093771
1,2-Dibromoethane	U		0.000378	0.00110	1	04/05/2018 04:20	WG1093771
Dibromomethane	U		0.000421	0.00110	1	04/05/2018 04:20	WG1093771
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/05/2018 04:20	WG1093771
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/05/2018 04:20	WG1093771
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/05/2018 04:20	WG1093771
Dichlorodifluoromethane	U		0.000787	0.00552	1	04/05/2018 04:20	WG1093771
1,1-Dichloroethane	U		0.000220	0.00110	1	04/05/2018 04:20	WG1093771
1,2-Dichloroethane	U		0.000292	0.00110	1	04/05/2018 04:20	WG1093771
1,1-Dichloroethene	U		0.000334	0.00110	1	04/05/2018 04:20	WG1093771
cis-1,2-Dichloroethene	0.00488		0.000259	0.00110	1	04/05/2018 04:20	WG1093771
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/05/2018 04:20	WG1093771
1,2-Dichloropropane	U		0.000395	0.00110	1	04/05/2018 04:20	WG1093771
1,1-Dichloropropene	U		0.000350	0.00110	1	04/05/2018 04:20	WG1093771
1,3-Dichloropropane	U		0.000228	0.00110	1	04/05/2018 04:20	WG1093771
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/05/2018 04:20	WG1093771
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/05/2018 04:20	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	04/05/2018 04:20	WG1093771
2,2-Dichloropropane	U		0.000308	0.00110	1	04/05/2018 04:20	WG1093771
Di-isopropyl ether	U		0.000274	0.00110	1	04/05/2018 04:20	WG1093771
Ethylbenzene	U		0.000328	0.00110	1	04/05/2018 04:20	WG1093771
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/05/2018 04:20	WG1093771
2-Hexanone	U		0.00151	0.0110	1	04/05/2018 04:20	WG1093771
n-Hexane	U		0.000320	0.0110	1	04/05/2018 04:20	WG1093771
Iodomethane	U		0.00279	0.0110	1	04/05/2018 04:20	WG1093771
Isopropylbenzene	U		0.000268	0.00110	1	04/05/2018 04:20	WG1093771
p-Isopropyltoluene	U		0.000225	0.00110	1	04/05/2018 04:20	WG1093771
2-Butanone (MEK)	0.00707	J	0.00516	0.0110	1	04/05/2018 04:20	WG1093771
Methylene Chloride	U		0.00110	0.00552	1	04/05/2018 04:20	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/05/2018 04:20	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/05/2018 04:20	WG1093771
Naphthalene	U		0.00110	0.00552	1	04/05/2018 04:20	WG1093771
n-Propylbenzene	U		0.000227	0.00110	1	04/05/2018 04:20	WG1093771
Styrene	U		0.000258	0.00110	1	04/05/2018 04:20	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/05/2018 04:20	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/05/2018 04:20	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/05/2018 04:20	WG1093771
Tetrachloroethene	0.0146		0.000305	0.00110	1	04/05/2018 04:20	WG1093771
Toluene	U		0.000479	0.00552	1	04/05/2018 04:20	WG1093771
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/05/2018 04:20	WG1093771
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/05/2018 04:20	WG1093771
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/05/2018 04:20	WG1093771
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/05/2018 04:20	WG1093771
Trichloroethene	0.00118		0.000308	0.00110	1	04/05/2018 04:20	WG1093771
Trichlorofluoromethane	U		0.000421	0.00552	1	04/05/2018 04:20	WG1093771
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/05/2018 04:20	WG1093771
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/05/2018 04:20	WG1093771
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/05/2018 04:20	WG1093771
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/05/2018 04:20	WG1093771
Vinyl acetate	U		0.00264	0.0110	1	04/05/2018 04:20	WG1093771
Vinyl chloride	0.0615		0.000321	0.00110	1	04/05/2018 04:20	WG1093771
Xylenes, Total	U		0.000770	0.00331	1	04/05/2018 04:20	WG1093771
(S) Toluene-d8	*100*			*80.0-120*		*04/05/2018 04:20*	WG1093771
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/05/2018 04:20*	WG1093771
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*04/05/2018 04:20*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0121	J	0.0111	0.0554	1	04/05/2018 04:41	WG1093771
Acrylonitrile	U		0.00198	0.0111	1	04/05/2018 04:41	WG1093771
Benzene	U		0.000299	0.00111	1	04/05/2018 04:41	WG1093771
Bromobenzene	U		0.000315	0.00111	1	04/05/2018 04:41	WG1093771
Bromodichloromethane	U		0.000281	0.00111	1	04/05/2018 04:41	WG1093771
Bromochloromethane	U		0.000432	0.00554	1	04/05/2018 04:41	WG1093771
Bromoform	U		0.000470	0.00111	1	04/05/2018 04:41	WG1093771
Bromomethane	U		0.00148	0.00554	1	04/05/2018 04:41	WG1093771
n-Butylbenzene	U		0.000286	0.00111	1	04/05/2018 04:41	WG1093771
sec-Butylbenzene	U		0.000223	0.00111	1	04/05/2018 04:41	WG1093771
tert-Butylbenzene	U		0.000228	0.00111	1	04/05/2018 04:41	WG1093771
Carbon disulfide	U		0.000245	0.00111	1	04/05/2018 04:41	WG1093771
Carbon tetrachloride	U		0.000363	0.00111	1	04/05/2018 04:41	WG1093771
Chlorobenzene	U		0.000235	0.00111	1	04/05/2018 04:41	WG1093771
Chlorodibromomethane	U		0.000413	0.00111	1	04/05/2018 04:41	WG1093771
Chloroethane	U		0.00105	0.00554	1	04/05/2018 04:41	WG1093771
Chloroform	U		0.000254	0.00554	1	04/05/2018 04:41	WG1093771
Chloromethane	U		0.000415	0.00277	1	04/05/2018 04:41	WG1093771
2-Chlorotoluene	U		0.000333	0.00111	1	04/05/2018 04:41	WG1093771
4-Chlorotoluene	U		0.000266	0.00111	1	04/05/2018 04:41	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	04/05/2018 04:41	WG1093771
1,2-Dibromoethane	U		0.000380	0.00111	1	04/05/2018 04:41	WG1093771
Dibromomethane	U		0.000423	0.00111	1	04/05/2018 04:41	WG1093771
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/05/2018 04:41	WG1093771
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/05/2018 04:41	WG1093771
1,4-Dichlorobenzene	U		0.000250	0.00111	1	04/05/2018 04:41	WG1093771
Dichlorodifluoromethane	U		0.000790	0.00554	1	04/05/2018 04:41	WG1093771
1,1-Dichloroethane	U		0.000220	0.00111	1	04/05/2018 04:41	WG1093771
1,2-Dichloroethane	U		0.000294	0.00111	1	04/05/2018 04:41	WG1093771
1,1-Dichloroethene	U		0.000336	0.00111	1	04/05/2018 04:41	WG1093771
cis-1,2-Dichloroethene	0.00432		0.000260	0.00111	1	04/05/2018 04:41	WG1093771
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	04/05/2018 04:41	WG1093771
1,2-Dichloropropane	U		0.000397	0.00111	1	04/05/2018 04:41	WG1093771
1,1-Dichloropropene	U		0.000351	0.00111	1	04/05/2018 04:41	WG1093771
1,3-Dichloropropane	U		0.000229	0.00111	1	04/05/2018 04:41	WG1093771
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	04/05/2018 04:41	WG1093771
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/05/2018 04:41	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000862	0.00277	1	04/05/2018 04:41	WG1093771
2,2-Dichloropropane	U		0.000309	0.00111	1	04/05/2018 04:41	WG1093771
Di-isopropyl ether	U		0.000275	0.00111	1	04/05/2018 04:41	WG1093771
Ethylbenzene	U		0.000329	0.00111	1	04/05/2018 04:41	WG1093771
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/05/2018 04:41	WG1093771
2-Hexanone	U		0.00152	0.0111	1	04/05/2018 04:41	WG1093771
n-Hexane	U		0.000321	0.0111	1	04/05/2018 04:41	WG1093771
Iodomethane	U		0.00280	0.0111	1	04/05/2018 04:41	WG1093771
Isopropylbenzene	U		0.000269	0.00111	1	04/05/2018 04:41	WG1093771
p-Isopropyltoluene	U		0.000226	0.00111	1	04/05/2018 04:41	WG1093771
2-Butanone (MEK)	U		0.00518	0.0111	1	04/05/2018 04:41	WG1093771
Methylene Chloride	U		0.00111	0.00554	1	04/05/2018 04:41	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	04/05/2018 04:41	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/05/2018 04:41	WG1093771
Naphthalene	U		0.00111	0.00554	1	04/05/2018 04:41	WG1093771
n-Propylbenzene	U		0.000228	0.00111	1	04/05/2018 04:41	WG1093771
Styrene	U		0.000259	0.00111	1	04/05/2018 04:41	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	04/05/2018 04:41	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	04/05/2018 04:41	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	04/05/2018 04:41	WG1093771
Tetrachloroethene	0.00175		0.000306	0.00111	1	04/05/2018 04:41	WG1093771
Toluene	U		0.000481	0.00554	1	04/05/2018 04:41	WG1093771
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/05/2018 04:41	WG1093771
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/05/2018 04:41	WG1093771
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/05/2018 04:41	WG1093771
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/05/2018 04:41	WG1093771
Trichloroethene	0.00105	J	0.000309	0.00111	1	04/05/2018 04:41	WG1093771
Trichlorofluoromethane	U		0.000423	0.00554	1	04/05/2018 04:41	WG1093771
1,2,3-Trichloropropane	U		0.000821	0.00277	1	04/05/2018 04:41	WG1093771
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/05/2018 04:41	WG1093771
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/05/2018 04:41	WG1093771
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/05/2018 04:41	WG1093771
Vinyl acetate	U		0.00265	0.0111	1	04/05/2018 04:41	WG1093771
Vinyl chloride	0.00322		0.000322	0.00111	1	04/05/2018 04:41	WG1093771
Xylenes, Total	U		0.000773	0.00332	1	04/05/2018 04:41	WG1093771
(S) Toluene-d8	*102*			*80.0-120*		*04/05/2018 04:41*	WG1093771
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*04/05/2018 04:41*	WG1093771
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/05/2018 04:41*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	04/06/2018 11:25	WG1094356

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0145	J	0.0108	0.0538	1	04/05/2018 05:02	WG1093771
Acrylonitrile	U		0.00192	0.0108	1	04/05/2018 05:02	WG1093771
Benzene	U		0.000290	0.00108	1	04/05/2018 05:02	WG1093771
Bromobenzene	U		0.000305	0.00108	1	04/05/2018 05:02	WG1093771
Bromodichloromethane	U		0.000273	0.00108	1	04/05/2018 05:02	WG1093771
Bromochloromethane	U		0.000419	0.00538	1	04/05/2018 05:02	WG1093771
Bromoform	U		0.000456	0.00108	1	04/05/2018 05:02	WG1093771
Bromomethane	U		0.00144	0.00538	1	04/05/2018 05:02	WG1093771
n-Butylbenzene	U		0.000277	0.00108	1	04/05/2018 05:02	WG1093771
sec-Butylbenzene	U		0.000216	0.00108	1	04/05/2018 05:02	WG1093771
tert-Butylbenzene	U		0.000221	0.00108	1	04/05/2018 05:02	WG1093771
Carbon disulfide	U		0.000238	0.00108	1	04/05/2018 05:02	WG1093771
Carbon tetrachloride	U		0.000353	0.00108	1	04/05/2018 05:02	WG1093771
Chlorobenzene	U		0.000228	0.00108	1	04/05/2018 05:02	WG1093771
Chlorodibromomethane	U		0.000401	0.00108	1	04/05/2018 05:02	WG1093771
Chloroethane	U		0.00102	0.00538	1	04/05/2018 05:02	WG1093771
Chloroform	U		0.000246	0.00538	1	04/05/2018 05:02	WG1093771
Chloromethane	U		0.000403	0.00269	1	04/05/2018 05:02	WG1093771
2-Chlorotoluene	U		0.000324	0.00108	1	04/05/2018 05:02	WG1093771
4-Chlorotoluene	U		0.000258	0.00108	1	04/05/2018 05:02	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	04/05/2018 05:02	WG1093771
1,2-Dibromoethane	U		0.000369	0.00108	1	04/05/2018 05:02	WG1093771
Dibromomethane	U		0.000411	0.00108	1	04/05/2018 05:02	WG1093771
1,2-Dichlorobenzene	U		0.000328	0.00108	1	04/05/2018 05:02	WG1093771
1,3-Dichlorobenzene	U		0.000257	0.00108	1	04/05/2018 05:02	WG1093771
1,4-Dichlorobenzene	U		0.000243	0.00108	1	04/05/2018 05:02	WG1093771
Dichlorodifluoromethane	U		0.000767	0.00538	1	04/05/2018 05:02	WG1093771
1,1-Dichloroethane	U		0.000214	0.00108	1	04/05/2018 05:02	WG1093771
1,2-Dichloroethane	U		0.000285	0.00108	1	04/05/2018 05:02	WG1093771
1,1-Dichloroethene	U		0.000326	0.00108	1	04/05/2018 05:02	WG1093771
cis-1,2-Dichloroethene	0.000696	J	0.000253	0.00108	1	04/05/2018 05:02	WG1093771
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	04/05/2018 05:02	WG1093771
1,2-Dichloropropane	U		0.000385	0.00108	1	04/05/2018 05:02	WG1093771
1,1-Dichloropropene	U		0.000341	0.00108	1	04/05/2018 05:02	WG1093771
1,3-Dichloropropane	U		0.000223	0.00108	1	04/05/2018 05:02	WG1093771
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	04/05/2018 05:02	WG1093771
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	04/05/2018 05:02	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000837	0.00269	1	04/05/2018 05:02	WG1093771
2,2-Dichloropropane	U		0.000300	0.00108	1	04/05/2018 05:02	WG1093771
Di-isopropyl ether	U		0.000267	0.00108	1	04/05/2018 05:02	WG1093771
Ethylbenzene	U		0.000319	0.00108	1	04/05/2018 05:02	WG1093771
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	04/05/2018 05:02	WG1093771
2-Hexanone	U		0.00147	0.0108	1	04/05/2018 05:02	WG1093771
n-Hexane	U		0.000312	0.0108	1	04/05/2018 05:02	WG1093771
Iodomethane	U		0.00272	0.0108	1	04/05/2018 05:02	WG1093771
Isopropylbenzene	U		0.000261	0.00108	1	04/05/2018 05:02	WG1093771
p-Isopropyltoluene	U		0.000219	0.00108	1	04/05/2018 05:02	WG1093771
2-Butanone (MEK)	U		0.00503	0.0108	1	04/05/2018 05:02	WG1093771
Methylene Chloride	U		0.00108	0.00538	1	04/05/2018 05:02	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	04/05/2018 05:02	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	04/05/2018 05:02	WG1093771
Naphthalene	U		0.00108	0.00538	1	04/05/2018 05:02	WG1093771
n-Propylbenzene	U		0.000221	0.00108	1	04/05/2018 05:02	WG1093771
Styrene	U		0.000252	0.00108	1	04/05/2018 05:02	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	04/05/2018 05:02	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000392	0.00108	1	04/05/2018 05:02	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00108	1	04/05/2018 05:02	WG1093771
Tetrachloroethene	0.000607	J	0.000297	0.00108	1	04/05/2018 05:02	WG1093771
Toluene	U		0.000467	0.00538	1	04/05/2018 05:02	WG1093771
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	04/05/2018 05:02	WG1093771
1,2,4-Trichlorobenzene	U		0.000417	0.00108	1	04/05/2018 05:02	WG1093771
1,1,1-Trichloroethane	U		0.000308	0.00108	1	04/05/2018 05:02	WG1093771
1,1,2-Trichloroethane	U		0.000298	0.00108	1	04/05/2018 05:02	WG1093771
Trichloroethene	U		0.000300	0.00108	1	04/05/2018 05:02	WG1093771
Trichlorofluoromethane	U		0.000411	0.00538	1	04/05/2018 05:02	WG1093771
1,2,3-Trichloropropane	U		0.000797	0.00269	1	04/05/2018 05:02	WG1093771
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	04/05/2018 05:02	WG1093771
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	04/05/2018 05:02	WG1093771
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	04/05/2018 05:02	WG1093771
Vinyl acetate	U		0.00257	0.0108	1	04/05/2018 05:02	WG1093771
Vinyl chloride	U		0.000313	0.00108	1	04/05/2018 05:02	WG1093771
Xylenes, Total	U		0.000751	0.00323	1	04/05/2018 05:02	WG1093771
(S) Toluene-d8	*98.3*			*80.0-120*		*04/05/2018 05:02*	WG1093771
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/05/2018 05:02*	WG1093771
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/05/2018 05:02*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	04/06/2018 11:25	WG1094356

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0560	1	04/05/2018 05:23	WG1093771
Acrylonitrile	U		0.00200	0.0112	1	04/05/2018 05:23	WG1093771
Benzene	U		0.000302	0.00112	1	04/05/2018 05:23	WG1093771
Bromobenzene	U		0.000318	0.00112	1	04/05/2018 05:23	WG1093771
Bromodichloromethane	U		0.000284	0.00112	1	04/05/2018 05:23	WG1093771
Bromochloromethane	U		0.000436	0.00560	1	04/05/2018 05:23	WG1093771
Bromoform	U		0.000475	0.00112	1	04/05/2018 05:23	WG1093771
Bromomethane	U		0.00150	0.00560	1	04/05/2018 05:23	WG1093771
n-Butylbenzene	U		0.000289	0.00112	1	04/05/2018 05:23	WG1093771
sec-Butylbenzene	U		0.000225	0.00112	1	04/05/2018 05:23	WG1093771
tert-Butylbenzene	U		0.000231	0.00112	1	04/05/2018 05:23	WG1093771
Carbon disulfide	U		0.000247	0.00112	1	04/05/2018 05:23	WG1093771
Carbon tetrachloride	U		0.000367	0.00112	1	04/05/2018 05:23	WG1093771
Chlorobenzene	U		0.000237	0.00112	1	04/05/2018 05:23	WG1093771
Chlorodibromomethane	U		0.000417	0.00112	1	04/05/2018 05:23	WG1093771
Chloroethane	U		0.00106	0.00560	1	04/05/2018 05:23	WG1093771
Chloroform	U		0.000256	0.00560	1	04/05/2018 05:23	WG1093771
Chloromethane	U		0.000420	0.00280	1	04/05/2018 05:23	WG1093771
2-Chlorotoluene	U		0.000337	0.00112	1	04/05/2018 05:23	WG1093771
4-Chlorotoluene	U		0.000269	0.00112	1	04/05/2018 05:23	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	04/05/2018 05:23	WG1093771
1,2-Dibromoethane	U		0.000384	0.00112	1	04/05/2018 05:23	WG1093771
Dibromomethane	U		0.000428	0.00112	1	04/05/2018 05:23	WG1093771
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/05/2018 05:23	WG1093771
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/05/2018 05:23	WG1093771
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/05/2018 05:23	WG1093771
Dichlorodifluoromethane	U		0.000798	0.00560	1	04/05/2018 05:23	WG1093771
1,1-Dichloroethane	U		0.000223	0.00112	1	04/05/2018 05:23	WG1093771
1,2-Dichloroethane	U		0.000297	0.00112	1	04/05/2018 05:23	WG1093771
1,1-Dichloroethene	U		0.000339	0.00112	1	04/05/2018 05:23	WG1093771
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	04/05/2018 05:23	WG1093771
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/05/2018 05:23	WG1093771
1,2-Dichloropropane	U		0.000401	0.00112	1	04/05/2018 05:23	WG1093771
1,1-Dichloropropene	U		0.000355	0.00112	1	04/05/2018 05:23	WG1093771
1,3-Dichloropropane	U		0.000232	0.00112	1	04/05/2018 05:23	WG1093771
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/05/2018 05:23	WG1093771
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/05/2018 05:23	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	04/05/2018 05:23	WG1093771
2,2-Dichloropropane	U		0.000312	0.00112	1	04/05/2018 05:23	WG1093771
Di-isopropyl ether	U		0.000278	0.00112	1	04/05/2018 05:23	WG1093771
Ethylbenzene	U		0.000332	0.00112	1	04/05/2018 05:23	WG1093771
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	04/05/2018 05:23	WG1093771
2-Hexanone	U		0.00153	0.0112	1	04/05/2018 05:23	WG1093771
n-Hexane	U		0.000325	0.0112	1	04/05/2018 05:23	WG1093771
Iodomethane	U		0.00283	0.0112	1	04/05/2018 05:23	WG1093771
Isopropylbenzene	U		0.000272	0.00112	1	04/05/2018 05:23	WG1093771
p-Isopropyltoluene	U		0.000228	0.00112	1	04/05/2018 05:23	WG1093771
2-Butanone (MEK)	U		0.00524	0.0112	1	04/05/2018 05:23	WG1093771
Methylene Chloride	U		0.00112	0.00560	1	04/05/2018 05:23	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/05/2018 05:23	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/05/2018 05:23	WG1093771
Naphthalene	U		0.00112	0.00560	1	04/05/2018 05:23	WG1093771
n-Propylbenzene	U		0.000231	0.00112	1	04/05/2018 05:23	WG1093771
Styrene	U		0.000262	0.00112	1	04/05/2018 05:23	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/05/2018 05:23	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/05/2018 05:23	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/05/2018 05:23	WG1093771
Tetrachloroethene	U		0.000309	0.00112	1	04/05/2018 05:23	WG1093771
Toluene	U		0.000486	0.00560	1	04/05/2018 05:23	WG1093771
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/05/2018 05:23	WG1093771
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/05/2018 05:23	WG1093771
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/05/2018 05:23	WG1093771
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/05/2018 05:23	WG1093771
Trichloroethene	U		0.000312	0.00112	1	04/05/2018 05:23	WG1093771
Trichlorofluoromethane	U		0.000428	0.00560	1	04/05/2018 05:23	WG1093771
1,2,3-Trichloropropane	U		0.000829	0.00280	1	04/05/2018 05:23	WG1093771
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/05/2018 05:23	WG1093771
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/05/2018 05:23	WG1093771
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/05/2018 05:23	WG1093771
Vinyl acetate	U		0.00267	0.0112	1	04/05/2018 05:23	WG1093771
Vinyl chloride	0.000502	J	0.000326	0.00112	1	04/05/2018 05:23	WG1093771
Xylenes, Total	U		0.000781	0.00336	1	04/05/2018 05:23	WG1093771
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 05:23*	WG1093771
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/05/2018 05:23*	WG1093771
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/05/2018 05:23*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	04/06/2018 11:25	WG1094356

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0159	J	0.0116	0.0579	1	04/05/2018 05:45	WG1093771
Acrylonitrile	U		0.00207	0.0116	1	04/05/2018 05:45	WG1093771
Benzene	U		0.000312	0.00116	1	04/05/2018 05:45	WG1093771
Bromobenzene	U		0.000329	0.00116	1	04/05/2018 05:45	WG1093771
Bromodichloromethane	U		0.000294	0.00116	1	04/05/2018 05:45	WG1093771
Bromochloromethane	U		0.000451	0.00579	1	04/05/2018 05:45	WG1093771
Bromoform	U		0.000491	0.00116	1	04/05/2018 05:45	WG1093771
Bromomethane	U		0.00155	0.00579	1	04/05/2018 05:45	WG1093771
n-Butylbenzene	U		0.000299	0.00116	1	04/05/2018 05:45	WG1093771
sec-Butylbenzene	U		0.000233	0.00116	1	04/05/2018 05:45	WG1093771
tert-Butylbenzene	U		0.000238	0.00116	1	04/05/2018 05:45	WG1093771
Carbon disulfide	U		0.000256	0.00116	1	04/05/2018 05:45	WG1093771
Carbon tetrachloride	U		0.000380	0.00116	1	04/05/2018 05:45	WG1093771
Chlorobenzene	U		0.000245	0.00116	1	04/05/2018 05:45	WG1093771
Chlorodibromomethane	U		0.000432	0.00116	1	04/05/2018 05:45	WG1093771
Chloroethane	U		0.00109	0.00579	1	04/05/2018 05:45	WG1093771
Chloroform	U		0.000265	0.00579	1	04/05/2018 05:45	WG1093771
Chloromethane	U		0.000434	0.00289	1	04/05/2018 05:45	WG1093771
2-Chlorotoluene	U		0.000348	0.00116	1	04/05/2018 05:45	WG1093771
4-Chlorotoluene	U		0.000278	0.00116	1	04/05/2018 05:45	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00579	1	04/05/2018 05:45	WG1093771
1,2-Dibromoethane	U		0.000397	0.00116	1	04/05/2018 05:45	WG1093771
Dibromomethane	U		0.000442	0.00116	1	04/05/2018 05:45	WG1093771
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/05/2018 05:45	WG1093771
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/05/2018 05:45	WG1093771
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/05/2018 05:45	WG1093771
Dichlorodifluoromethane	U		0.000825	0.00579	1	04/05/2018 05:45	WG1093771
1,1-Dichloroethane	U		0.000230	0.00116	1	04/05/2018 05:45	WG1093771
1,2-Dichloroethane	U		0.000307	0.00116	1	04/05/2018 05:45	WG1093771
1,1-Dichloroethene	U		0.000351	0.00116	1	04/05/2018 05:45	WG1093771
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	04/05/2018 05:45	WG1093771
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	04/05/2018 05:45	WG1093771
1,2-Dichloropropane	U		0.000414	0.00116	1	04/05/2018 05:45	WG1093771
1,1-Dichloropropene	U		0.000367	0.00116	1	04/05/2018 05:45	WG1093771
1,3-Dichloropropane	U		0.000240	0.00116	1	04/05/2018 05:45	WG1093771
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/05/2018 05:45	WG1093771
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/05/2018 05:45	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000900	0.00289	1	04/05/2018 05:45	WG1093771
2,2-Dichloropropane	U		0.000323	0.00116	1	04/05/2018 05:45	WG1093771
Di-isopropyl ether	U		0.000287	0.00116	1	04/05/2018 05:45	WG1093771
Ethylbenzene	U		0.000344	0.00116	1	04/05/2018 05:45	WG1093771
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/05/2018 05:45	WG1093771
2-Hexanone	U		0.00159	0.0116	1	04/05/2018 05:45	WG1093771
n-Hexane	U		0.000336	0.0116	1	04/05/2018 05:45	WG1093771
Iodomethane	U		0.00293	0.0116	1	04/05/2018 05:45	WG1093771
Isopropylbenzene	U		0.000281	0.00116	1	04/05/2018 05:45	WG1093771
p-Isopropyltoluene	U		0.000236	0.00116	1	04/05/2018 05:45	WG1093771
2-Butanone (MEK)	U		0.00542	0.0116	1	04/05/2018 05:45	WG1093771
Methylene Chloride	U		0.00116	0.00579	1	04/05/2018 05:45	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/05/2018 05:45	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/05/2018 05:45	WG1093771
Naphthalene	U		0.00116	0.00579	1	04/05/2018 05:45	WG1093771
n-Propylbenzene	U		0.000238	0.00116	1	04/05/2018 05:45	WG1093771
Styrene	U		0.000271	0.00116	1	04/05/2018 05:45	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/05/2018 05:45	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/05/2018 05:45	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/05/2018 05:45	WG1093771
Tetrachloroethene	U		0.000319	0.00116	1	04/05/2018 05:45	WG1093771
Toluene	U		0.000502	0.00579	1	04/05/2018 05:45	WG1093771
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/05/2018 05:45	WG1093771
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/05/2018 05:45	WG1093771
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/05/2018 05:45	WG1093771
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/05/2018 05:45	WG1093771
Trichloroethene	U		0.000323	0.00116	1	04/05/2018 05:45	WG1093771
Trichlorofluoromethane	U		0.000442	0.00579	1	04/05/2018 05:45	WG1093771
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/05/2018 05:45	WG1093771
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/05/2018 05:45	WG1093771
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/05/2018 05:45	WG1093771
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/05/2018 05:45	WG1093771
Vinyl acetate	U		0.00277	0.0116	1	04/05/2018 05:45	WG1093771
Vinyl chloride	U		0.000337	0.00116	1	04/05/2018 05:45	WG1093771
Xylenes, Total	U		0.000808	0.00347	1	04/05/2018 05:45	WG1093771
(S) Toluene-d8	*99.7*			*80.0-120*		*04/05/2018 05:45*	WG1093771
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/05/2018 05:45*	WG1093771
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/05/2018 05:45*	WG1093771

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.19	J	1.05	25.0	1	04/04/2018 20:36	WG1093766
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:36	WG1093766
Benzene	U		0.0896	0.500	1	04/04/2018 20:36	WG1093766
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:36	WG1093766
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:36	WG1093766
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:36	WG1093766
Bromoform	U		0.186	0.500	1	04/04/2018 20:36	WG1093766
Bromomethane	U		0.157	2.50	1	04/04/2018 20:36	WG1093766
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:36	WG1093766
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:36	WG1093766
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:36	WG1093766
Carbon disulfide	U		0.101	0.500	1	04/04/2018 20:36	WG1093766
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:36	WG1093766
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:36	WG1093766
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:36	WG1093766
Chloroethane	U		0.141	2.50	1	04/04/2018 20:36	WG1093766
Chloroform	U		0.0860	0.500	1	04/04/2018 20:36	WG1093766
Chloromethane	U	J4	0.153	1.25	1	04/04/2018 20:36	WG1093766
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:36	WG1093766
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:36	WG1093766
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:36	WG1093766
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:36	WG1093766
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:36	WG1093766
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:36	WG1093766
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:36	WG1093766
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:36	WG1093766
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:36	WG1093766
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:36	WG1093766
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:36	WG1093766
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 20:36	WG1093766
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/04/2018 20:36	WG1093766
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 20:36	WG1093766
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:36	WG1093766
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:36	WG1093766
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:36	WG1093766
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:36	WG1093766
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:36	WG1093766
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:36	WG1093766
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:36	WG1093766
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:36	WG1093766
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:36	WG1093766
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:36	WG1093766
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:36	WG1093766
n-Hexane	U		0.305	5.00	1	04/04/2018 20:36	WG1093766
Iodomethane	U		0.377	10.0	1	04/04/2018 20:36	WG1093766
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:36	WG1093766
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:36	WG1093766
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:36	WG1093766
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:36	WG1093766
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:36	WG1093766
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:36	WG1093766
Naphthalene	U		0.174	2.50	1	04/04/2018 20:36	WG1093766
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:36	WG1093766
Styrene	U	J4	0.117	0.500	1	04/04/2018 20:36	WG1093766
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:36	WG1093766
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:36	WG1093766

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 20:36	WG1093766
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 20:36	WG1093766
Toluene	U		0.412	0.500	1	04/04/2018 20:36	WG1093766
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/04/2018 20:36	WG1093766
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 20:36	WG1093766
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 20:36	WG1093766
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 20:36	WG1093766
Trichloroethene	U		0.153	0.500	1	04/04/2018 20:36	WG1093766
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 20:36	WG1093766
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 20:36	WG1093766
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 20:36	WG1093766
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 20:36	WG1093766
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 20:36	WG1093766
Vinyl acetate	U		0.645	5.00	1	04/04/2018 20:36	WG1093766
Vinyl chloride	U		0.118	0.500	1	04/04/2018 20:36	WG1093766
Xylenes, Total	U		0.316	1.50	1	04/04/2018 20:36	WG1093766
(S) Toluene-d8	*98.9*			*80.0-120*		*04/04/2018 20:36*	WG1093766
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/04/2018 20:36*	WG1093766
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/04/2018 20:36*	WG1093766

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	04/06/2018 11:25	WG1094356

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0193	J	0.0108	0.0538	1	04/10/2018 12:03	WG1093771
Acrylonitrile	U		0.00193	0.0108	1	04/10/2018 12:03	WG1093771
Benzene	U		0.000291	0.00108	1	04/10/2018 12:03	WG1093771
Bromobenzene	U		0.000306	0.00108	1	04/10/2018 12:03	WG1093771
Bromodichloromethane	U		0.000274	0.00108	1	04/10/2018 12:03	WG1093771
Bromochloromethane	U		0.000420	0.00538	1	04/10/2018 12:03	WG1093771
Bromoform	U		0.000457	0.00108	1	04/10/2018 12:03	WG1093771
Bromomethane	U		0.00144	0.00538	1	04/10/2018 12:03	WG1093771
n-Butylbenzene	U		0.000278	0.00108	1	04/10/2018 12:03	WG1093771
sec-Butylbenzene	U		0.000216	0.00108	1	04/10/2018 12:03	WG1093771
tert-Butylbenzene	U		0.000222	0.00108	1	04/10/2018 12:03	WG1093771
Carbon disulfide	0.000480	J	0.000238	0.00108	1	04/10/2018 12:03	WG1093771
Carbon tetrachloride	U		0.000353	0.00108	1	04/10/2018 12:03	WG1093771
Chlorobenzene	U		0.000228	0.00108	1	04/10/2018 12:03	WG1093771
Chlorodibromomethane	U		0.000402	0.00108	1	04/10/2018 12:03	WG1093771
Chloroethane	U		0.00102	0.00538	1	04/10/2018 12:03	WG1093771
Chloroform	U		0.000247	0.00538	1	04/10/2018 12:03	WG1093771
Chloromethane	0.00101	J	0.000404	0.00269	1	04/10/2018 12:03	WG1093771
2-Chlorotoluene	U		0.000324	0.00108	1	04/10/2018 12:03	WG1093771
4-Chlorotoluene	U		0.000258	0.00108	1	04/10/2018 12:03	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	04/10/2018 12:03	WG1093771
1,2-Dibromoethane	U		0.000369	0.00108	1	04/10/2018 12:03	WG1093771
Dibromomethane	U		0.000411	0.00108	1	04/10/2018 12:03	WG1093771
1,2-Dichlorobenzene	U		0.000328	0.00108	1	04/10/2018 12:03	WG1093771
1,3-Dichlorobenzene	U		0.000257	0.00108	1	04/10/2018 12:03	WG1093771
1,4-Dichlorobenzene	U		0.000243	0.00108	1	04/10/2018 12:03	WG1093771
Dichlorodifluoromethane	U		0.000768	0.00538	1	04/10/2018 12:03	WG1093771
1,1-Dichloroethane	U		0.000214	0.00108	1	04/10/2018 12:03	WG1093771
1,2-Dichloroethane	U		0.000285	0.00108	1	04/10/2018 12:03	WG1093771
1,1-Dichloroethene	U		0.000326	0.00108	1	04/10/2018 12:03	WG1093771
cis-1,2-Dichloroethene	U		0.000253	0.00108	1	04/10/2018 12:03	WG1093771
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	04/10/2018 12:03	WG1093771
1,2-Dichloropropane	U		0.000386	0.00108	1	04/10/2018 12:03	WG1093771
1,1-Dichloropropene	U		0.000341	0.00108	1	04/10/2018 12:03	WG1093771
1,3-Dichloropropane	U		0.000223	0.00108	1	04/10/2018 12:03	WG1093771
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	04/10/2018 12:03	WG1093771
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/10/2018 12:03	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	04/10/2018 12:03	WG1093771
2,2-Dichloropropane	U		0.000300	0.00108	1	04/10/2018 12:03	WG1093771
Di-isopropyl ether	U		0.000267	0.00108	1	04/10/2018 12:03	WG1093771
Ethylbenzene	U		0.000320	0.00108	1	04/10/2018 12:03	WG1093771
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	04/10/2018 12:03	WG1093771
2-Hexanone	U		0.00148	0.0108	1	04/10/2018 12:03	WG1093771
n-Hexane	0.00203	J	0.000312	0.0108	1	04/10/2018 12:03	WG1093771
Iodomethane	U		0.00272	0.0108	1	04/10/2018 12:03	WG1093771
Isopropylbenzene	U		0.000262	0.00108	1	04/10/2018 12:03	WG1093771
p-Isopropyltoluene	U		0.000220	0.00108	1	04/10/2018 12:03	WG1093771
2-Butanone (MEK)	U		0.00504	0.0108	1	04/10/2018 12:03	WG1093771
Methylene Chloride	U		0.00108	0.00538	1	04/10/2018 12:03	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	04/10/2018 12:03	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	04/10/2018 12:03	WG1093771
Naphthalene	U		0.00108	0.00538	1	04/10/2018 12:03	WG1093771
n-Propylbenzene	U		0.000222	0.00108	1	04/10/2018 12:03	WG1093771
Styrene	U		0.000252	0.00108	1	04/10/2018 12:03	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	04/10/2018 12:03	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	04/10/2018 12:03	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	04/10/2018 12:03	WG1093771
Tetrachloroethene	0.000377	J	0.000297	0.00108	1	04/10/2018 12:03	WG1093771
Toluene	U		0.000467	0.00538	1	04/10/2018 12:03	WG1093771
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	04/10/2018 12:03	WG1093771
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	04/10/2018 12:03	WG1093771
1,1,1-Trichloroethane	U		0.000308	0.00108	1	04/10/2018 12:03	WG1093771
1,1,2-Trichloroethane	U		0.000298	0.00108	1	04/10/2018 12:03	WG1093771
Trichloroethene	U		0.000300	0.00108	1	04/10/2018 12:03	WG1093771
Trichlorofluoromethane	U		0.000411	0.00538	1	04/10/2018 12:03	WG1093771
1,2,3-Trichloropropane	U		0.000798	0.00269	1	04/10/2018 12:03	WG1093771
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	04/10/2018 12:03	WG1093771
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	04/10/2018 12:03	WG1093771
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	04/10/2018 12:03	WG1093771
Vinyl acetate	U		0.00257	0.0108	1	04/10/2018 12:03	WG1093771
Vinyl chloride	U		0.000313	0.00108	1	04/10/2018 12:03	WG1093771
Xylenes, Total	U		0.000752	0.00323	1	04/10/2018 12:03	WG1093771
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2018 12:03*	WG1093771
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/10/2018 12:03*	WG1093771
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/10/2018 12:03*	WG1093771

Method Blank (MB)

(MB) R3299970-1 04/07/18 13:06

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

L982616-05 Original Sample (OS) • Duplicate (DUP)

(OS) L982616-05 04/07/18 13:06 • (DUP) R3299970-3 04/07/18 13:06

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.3	90.6	1	0.393		5

Laboratory Control Sample (LCS)

(LCS) R3299970-2 04/07/18 13:06

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

Method Blank (MB)

(MB) R3299859-1 04/06/18 11:25

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

L982619-16 Original Sample (OS) • Duplicate (DUP)

(OS) L982619-16 04/06/18 11:25 • (DUP) R3299859-3 04/06/18 11:25

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.9	88.7	1	0.884		5

Laboratory Control Sample (LCS)

(LCS) R3299859-2 04/06/18 11:25

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

Method Blank (MB)

(MB) R3299965-2 04/04/18 19:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
2-Hexanone	U		0.757	5.00

Method Blank (MB)

(MB) R3299965-2 04/04/18 19:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Hexane	U		0.305	5.00
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*97.9*			*80.0-120*
(S) Dibromofluoromethane	*106*			*76.0-123*
(S) 4-Bromofluorobenzene	*102*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3299965-1 04/04/18 18:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	26.0	104	76.0-122	
Carbon disulfide	25.0	29.9	120	55.0-127	
Acetone	125	176	141	10.0-160	
Acrylonitrile	125	135	108	60.0-142	
Benzene	25.0	26.3	105	69.0-123	
trans-1,4-Dichloro-2-butene	25.0	24.1	96.4	55.0-134	
Bromobenzene	25.0	24.6	98.3	79.0-120	
Bromodichloromethane	25.0	24.5	98.1	76.0-120	
Bromoform	25.0	28.6	114	67.0-132	
2-Hexanone	125	126	101	58.0-147	
Bromomethane	25.0	22.1	88.4	18.0-160	
n-Hexane	25.0	27.5	110	56.0-124	
Iodomethane	125	139	111	57.0-140	
n-Butylbenzene	25.0	24.9	99.8	72.0-126	
sec-Butylbenzene	25.0	24.8	99.0	74.0-121	
tert-Butylbenzene	25.0	24.3	97.2	75.0-122	
Carbon tetrachloride	25.0	24.2	96.7	63.0-122	
Chlorobenzene	25.0	24.6	98.4	79.0-121	
Chlorodibromomethane	25.0	25.8	103	75.0-125	
Chloroethane	25.0	25.4	102	47.0-152	
Chloroform	25.0	26.0	104	72.0-121	
Chloromethane	25.0	35.7	143	48.0-139	J4
2-Chlorotoluene	25.0	26.2	105	74.0-122	
4-Chlorotoluene	25.0	24.7	98.6	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	19.1	76.4	64.0-127	
1,2-Dibromoethane	25.0	24.1	96.5	77.0-123	
Dibromomethane	25.0	25.7	103	78.0-120	
1,2-Dichlorobenzene	25.0	24.2	96.8	80.0-120	
1,3-Dichlorobenzene	25.0	24.5	98.1	72.0-123	
1,4-Dichlorobenzene	25.0	25.1	100	77.0-120	
Dichlorodifluoromethane	25.0	30.4	122	49.0-155	
1,1-Dichloroethane	25.0	27.1	108	70.0-126	
1,2-Dichloroethane	25.0	25.6	102	67.0-126	
1,1-Dichloroethene	25.0	28.0	112	64.0-129	
cis-1,2-Dichloroethene	25.0	25.8	103	73.0-120	
Vinyl acetate	125	172	137	46.0-160	
trans-1,2-Dichloroethene	25.0	25.3	101	71.0-121	
1,2-Dichloropropane	25.0	25.9	104	75.0-125	
1,1-Dichloropropene	25.0	26.3	105	71.0-129	
1,3-Dichloropropane	25.0	24.9	99.8	80.0-121	

Laboratory Control Sample (LCS)

(LCS) R3299965-1 04/04/18 18:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,3-Dichloropropene	25.0	25.9	103	79.0-123	
trans-1,3-Dichloropropene	25.0	25.2	101	74.0-127	
2,2-Dichloropropane	25.0	25.9	104	60.0-125	
Di-isopropyl ether	25.0	30.5	122	59.0-133	
Ethylbenzene	25.0	25.5	102	77.0-120	
Hexachloro-1,3-butadiene	25.0	24.1	96.6	64.0-131	
Isopropylbenzene	25.0	29.2	117	75.0-120	
p-Isopropyltoluene	25.0	24.0	96.0	74.0-126	
2-Butanone (MEK)	125	159	127	37.0-158	
Methylene Chloride	25.0	25.8	103	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	148	118	59.0-143	
Methyl tert-butyl ether	25.0	24.4	97.7	64.0-123	
Naphthalene	25.0	22.1	88.3	62.0-128	
n-Propylbenzene	25.0	26.0	104	79.0-120	
Styrene	25.0	32.0	128	78.0-124	J4
1,1,1,2-Tetrachloroethane	25.0	23.4	93.6	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	24.1	96.2	71.0-122	
Tetrachloroethene	25.0	22.8	91.0	70.0-127	
Toluene	25.0	25.0	99.9	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	27.5	110	61.0-136	
1,2,3-Trichlorobenzene	25.0	25.6	102	61.0-133	
1,2,4-Trichlorobenzene	25.0	25.5	102	69.0-129	
1,1,1-Trichloroethane	25.0	23.9	95.7	68.0-122	
1,1,2-Trichloroethane	25.0	25.8	103	78.0-120	
Trichloroethene	25.0	23.7	94.7	78.0-120	
Trichlorofluoromethane	25.0	28.7	115	56.0-137	
1,2,3-Trichloropropane	25.0	21.6	86.4	72.0-124	
1,2,3-Trimethylbenzene	25.0	24.9	99.6	75.0-120	
1,2,4-Trimethylbenzene	25.0	24.3	97.3	75.0-120	
1,3,5-Trimethylbenzene	25.0	24.8	99.3	75.0-120	
Vinyl chloride	25.0	32.2	129	64.0-133	
Xylenes, Total	75.0	75.8	101	77.0-120	
(S) Toluene-d8			*97.8*	*80.0-120*	
(S) Dibromofluoromethane			*103*	*76.0-123*	
(S) 4-Bromofluorobenzene			*102*	*80.0-120*	

Method Blank (MB)

(MB) R3300269-3 04/04/18 23:41

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

Method Blank (MB)

(MB) R3300269-3 04/04/18 23:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) Dibromofluoromethane	*94.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*

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

(LCS) R3300269-1 04/04/18 22:38 • (LCSD) R3300269-2 04/04/18 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.151	0.145	121	116	11.0-160			4.06	23
Acrylonitrile	0.125	0.135	0.127	108	101	61.0-143			6.16	20
Benzene	0.0250	0.0244	0.0248	97.7	99.4	71.0-124			1.67	20
Bromobenzene	0.0250	0.0238	0.0242	95.1	96.8	78.0-120			1.71	20
Bromodichloromethane	0.0250	0.0261	0.0261	105	104	75.0-120			0.342	20
Bromochloromethane	0.0250	0.0255	0.0258	102	103	80.0-121			1.04	20
Bromoform	0.0250	0.0266	0.0258	106	103	65.0-133			2.97	20
Bromomethane	0.0250	0.0237	0.0238	94.6	95.1	26.0-160			0.522	20
n-Butylbenzene	0.0250	0.0251	0.0256	100	102	73.0-126			1.90	20
sec-Butylbenzene	0.0250	0.0253	0.0259	101	104	75.0-121			2.20	20
tert-Butylbenzene	0.0250	0.0263	0.0263	105	105	74.0-122			0.183	20
Carbon disulfide	0.0250	0.0266	0.0269	106	107	53.0-130			0.971	20
Carbon tetrachloride	0.0250	0.0264	0.0244	106	97.8	66.0-123			7.84	20
Chlorobenzene	0.0250	0.0257	0.0263	103	105	79.0-121			2.26	20
Chlorodibromomethane	0.0250	0.0270	0.0267	108	107	74.0-128			1.18	20
Chloroethane	0.0250	0.0237	0.0236	95.0	94.4	51.0-147			0.601	20
Chloroform	0.0250	0.0249	0.0248	99.5	99.0	73.0-123			0.468	20
Chloromethane	0.0250	0.0261	0.0259	104	104	51.0-138			0.655	20
2-Chlorotoluene	0.0250	0.0243	0.0251	97.4	100	72.0-124			3.09	20
4-Chlorotoluene	0.0250	0.0239	0.0242	95.5	96.7	78.0-120			1.21	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0264	0.0251	106	100	65.0-126			5.03	20
1,2-Dibromoethane	0.0250	0.0260	0.0262	104	105	78.0-122			0.859	20
Dibromomethane	0.0250	0.0266	0.0260	106	104	79.0-120			2.41	20
1,2-Dichlorobenzene	0.0250	0.0256	0.0254	102	102	80.0-120			0.534	20
1,3-Dichlorobenzene	0.0250	0.0248	0.0252	99.3	101	72.0-123			1.56	20
1,4-Dichlorobenzene	0.0250	0.0237	0.0243	94.8	97.2	77.0-120			2.47	20
trans-1,4-Dichloro-2-butene	0.0250	0.0305	0.0288	122	115	68.0-126			5.65	20
Dichlorodifluoromethane	0.0250	0.0263	0.0272	105	109	49.0-155			3.35	20
1,1-Dichloroethane	0.0250	0.0257	0.0257	103	103	70.0-128			0.00931	20
1,2-Dichloroethane	0.0250	0.0247	0.0245	98.8	98.1	69.0-128			0.686	20
1,1-Dichloroethene	0.0250	0.0259	0.0257	104	103	63.0-131			0.809	20
cis-1,2-Dichloroethene	0.0250	0.0252	0.0250	101	100	74.0-123			0.773	20
trans-1,2-Dichloroethene	0.0250	0.0251	0.0260	101	104	72.0-122			3.45	20
1,2-Dichloropropane	0.0250	0.0262	0.0263	105	105	75.0-126			0.685	20
1,1-Dichloropropene	0.0250	0.0246	0.0250	98.3	99.9	72.0-130			1.56	20
1,3-Dichloropropane	0.0250	0.0258	0.0258	103	103	80.0-121			0.0161	20
cis-1,3-Dichloropropene	0.0250	0.0256	0.0261	102	104	80.0-125			2.06	20
trans-1,3-Dichloropropene	0.0250	0.0258	0.0259	103	103	75.0-129			0.108	20
2,2-Dichloropropane	0.0250	0.0247	0.0242	98.9	96.6	60.0-129			2.29	20
Di-isopropyl ether	0.0250	0.0258	0.0250	103	100	62.0-133			3.09	20

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

(LCS) R3300269-1 04/04/18 22:38 • (LCSD) R3300269-2 04/04/18 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0265	0.0270	106	108	77.0-120			1.75	20
Hexachloro-1,3-butadiene	0.0250	0.0281	0.0288	112	115	68.0-128			2.38	20
2-Hexanone	0.125	0.153	0.147	123	118	61.0-143			3.78	20
n-Hexane	0.0250	0.0259	0.0271	104	109	57.0-125			4.76	20
Iodomethane	0.125	0.132	0.133	105	107	67.0-132			1.12	20
Isopropylbenzene	0.0250	0.0255	0.0258	102	103	75.0-120			1.14	20
p-Isopropyltoluene	0.0250	0.0253	0.0259	101	103	74.0-125			2.25	20
2-Butanone (MEK)	0.125	0.150	0.142	120	113	37.0-159			5.39	20
Methylene Chloride	0.0250	0.0254	0.0250	102	100	67.0-123			1.59	20
4-Methyl-2-pentanone (MIBK)	0.125	0.143	0.137	115	110	60.0-144			4.36	20
Methyl tert-butyl ether	0.0250	0.0262	0.0253	105	101	66.0-125			3.54	20
Naphthalene	0.0250	0.0260	0.0257	104	103	64.0-125			1.19	20
n-Propylbenzene	0.0250	0.0248	0.0250	99.0	99.9	78.0-120			0.829	20
Styrene	0.0250	0.0269	0.0272	108	109	78.0-124			1.06	20
1,1,1,2-Tetrachloroethane	0.0250	0.0269	0.0273	108	109	74.0-124			1.48	20
1,1,2,2-Tetrachloroethane	0.0250	0.0240	0.0239	95.9	95.6	73.0-120			0.383	20
Tetrachloroethene	0.0250	0.0262	0.0272	105	109	70.0-127			3.92	20
Toluene	0.0250	0.0249	0.0258	99.5	103	77.0-120			3.60	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0259	0.0259	104	104	64.0-135			0.0447	20
1,2,3-Trichlorobenzene	0.0250	0.0262	0.0266	105	106	68.0-126			1.48	20
1,2,4-Trichlorobenzene	0.0250	0.0249	0.0253	99.8	101	70.0-127			1.48	20
1,1,1-Trichloroethane	0.0250	0.0256	0.0255	102	102	69.0-125			0.400	20
1,1,2-Trichloroethane	0.0250	0.0262	0.0251	105	100	78.0-120			4.11	20
Trichloroethene	0.0250	0.0265	0.0269	106	108	79.0-120			1.54	20
Trichlorofluoromethane	0.0250	0.0261	0.0264	104	105	59.0-136			1.17	20
1,2,3-Trichloropropane	0.0250	0.0245	0.0241	98.2	96.5	73.0-124			1.73	20
1,2,3-Trimethylbenzene	0.0250	0.0250	0.0253	100	101	76.0-120			0.910	20
1,2,4-Trimethylbenzene	0.0250	0.0249	0.0255	99.5	102	75.0-120			2.65	20
1,3,5-Trimethylbenzene	0.0250	0.0250	0.0258	100	103	75.0-120			2.92	20
Vinyl acetate	0.125	0.123	0.120	98.2	96.1	58.0-156			2.13	20
Vinyl chloride	0.0250	0.0280	0.0280	112	112	63.0-134			0.128	20
Xylenes, Total	0.0750	0.0800	0.0820	107	109	77.0-120			2.47	20
(S) Toluene-d8				*107*	*110*	*80.0-120*				
(S) Dibromofluoromethane				*95.1*	*93.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*92.3*	*91.8*	*64.0-132*				

L982619-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L982619-04 04/05/18 07:30 • (MS) R3300269-4 04/05/18 07:51 • (MSD) R3300269-5 04/05/18 08:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.146	U	0.0915	0.0916	73.2	73.3	1	10.0-160			0.0535	36
Acrylonitrile	0.146	U	0.125	0.123	100	98.7	1	14.0-160			1.41	33
Benzene	0.0291	U	0.0211	0.0213	84.4	85.4	1	13.0-146			1.15	27
Bromobenzene	0.0291	U	0.0165	0.0169	66.1	67.7	1	10.0-149			2.39	33
Bromodichloromethane	0.0291	U	0.0216	0.0218	86.3	87.4	1	15.0-142			1.23	28
Bromochloromethane	0.0291	U	0.0214	0.0215	85.8	86.2	1	24.0-146			0.495	27
Bromoform	0.0291	U	0.0217	0.0212	86.6	84.9	1	10.0-147			2.04	31
Bromomethane	0.0291	U	0.0208	0.0203	83.4	81.1	1	10.0-160			2.77	32
n-Butylbenzene	0.0291	U	0.0144	0.0148	57.6	59.3	1	10.0-154			2.83	37
sec-Butylbenzene	0.0291	U	0.0167	0.0174	66.7	69.6	1	10.0-151			4.30	36
tert-Butylbenzene	0.0291	U	0.0185	0.0187	74.0	75.0	1	10.0-152			1.25	35
Carbon disulfide	0.0291	U	0.0218	0.0214	87.0	85.6	1	10.0-141			1.69	30
Carbon tetrachloride	0.0291	U	0.0225	0.0224	90.1	89.7	1	13.0-140			0.457	30
Chlorobenzene	0.0291	U	0.0186	0.0191	74.5	76.4	1	10.0-149			2.45	31
Chlorodibromomethane	0.0291	U	0.0213	0.0223	85.4	89.0	1	12.0-147			4.18	29
Chloroethane	0.0291	U	0.0217	0.0209	86.9	83.5	1	10.0-159			3.99	33
Chloroform	0.0291	U	0.0213	0.0213	85.0	85.0	1	18.0-148			0.00339	28
Chloromethane	0.0291	U	0.0237	0.0228	95.0	91.0	1	10.0-146			4.24	29
2-Chlorotoluene	0.0291	U	0.0166	0.0174	66.6	69.5	1	10.0-151			4.28	35
4-Chlorotoluene	0.0291	U	0.0151	0.0159	60.4	63.5	1	10.0-150			5.01	35
1,2-Dibromo-3-Chloropropane	0.0291	U	0.0220	0.0230	88.0	91.9	1	10.0-149			4.44	34
1,2-Dibromoethane	0.0291	U	0.0217	0.0215	86.8	86.2	1	14.0-145			0.781	28
Dibromomethane	0.0291	U	0.0222	0.0229	88.9	91.6	1	18.0-144			2.97	27
1,2-Dichlorobenzene	0.0291	U	0.0148	0.0156	59.4	62.5	1	10.0-153			5.19	34
1,3-Dichlorobenzene	0.0291	U	0.0145	0.0152	58.1	61.0	1	10.0-150			4.83	35
1,4-Dichlorobenzene	0.0291	U	0.0136	0.0145	54.4	57.9	1	10.0-148			6.20	34
trans-1,4-Dichloro-2-butene	0.0291	U	0.0250	0.0246	99.9	98.3	1	10.0-160			1.60	40
Dichlorodifluoromethane	0.0291	U	0.0252	0.0239	101	95.4	1	10.0-160			5.60	30
1,1-Dichloroethane	0.0291	U	0.0226	0.0218	90.2	87.4	1	19.0-148			3.18	28
1,2-Dichloroethane	0.0291	U	0.0219	0.0216	87.4	86.3	1	17.0-147			1.32	27
1,1-Dichloroethene	0.0291	0.000964	0.0222	0.0217	84.8	82.9	1	10.0-150			2.13	31
cis-1,2-Dichloroethene	0.0291	0.122	0.0577	0.0478	0.000	0.000	1	16.0-145	V	V	18.8	28
trans-1,2-Dichloroethene	0.0291	0.000532	0.0219	0.0212	85.4	82.7	1	11.0-142			3.14	29
1,2-Dichloropropane	0.0291	U	0.0215	0.0222	86.1	88.8	1	17.0-148			3.04	28
1,1-Dichloropropene	0.0291	U	0.0208	0.0209	83.3	83.5	1	10.0-150			0.302	30
1,3-Dichloropropane	0.0291	U	0.0210	0.0212	83.8	84.7	1	16.0-148			1.10	27
cis-1,3-Dichloropropene	0.0291	U	0.0192	0.0198	76.6	79.2	1	13.0-150			3.32	28
trans-1,3-Dichloropropene	0.0291	U	0.0228	0.0218	91.2	87.2	1	10.0-152			4.49	29
2,2-Dichloropropane	0.0291	U	0.0209	0.0200	83.8	80.2	1	16.0-143			4.41	30
Di-isopropyl ether	0.0291	U	0.0218	0.0221	87.2	88.4	1	16.0-149			1.36	28

L982619-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L982619-04 04/05/18 07:30 • (MS) R3300269-4 04/05/18 07:51 • (MSD) R3300269-5 04/05/18 08:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0291	U	0.0192	0.0199	76.7	79.6	1	10.0-147			3.79	31
Hexachloro-1,3-butadiene	0.0291	U	0.0146	0.0148	58.3	59.4	1	10.0-154			1.84	40
2-Hexanone	0.146	U	0.127	0.126	102	101	1	12.0-158			0.586	30
n-Hexane	0.0291	U	0.0204	0.0197	81.5	78.7	1	10.0-140			3.51	34
Iodomethane	0.146	U	0.110	0.110	88.2	87.7	1	10.0-157			0.624	34
Isopropylbenzene	0.0291	U	0.0185	0.0190	73.8	75.8	1	10.0-147			2.68	33
p-Isopropyltoluene	0.0291	U	0.0162	0.0167	64.9	66.8	1	10.0-156			2.97	37
2-Butanone (MEK)	0.146	U	0.126	0.122	101	97.5	1	10.0-160			3.56	33
Methylene Chloride	0.0291	U	0.0212	0.0215	84.7	85.9	1	16.0-139			1.41	29
4-Methyl-2-pentanone (MIBK)	0.146	U	0.137	0.139	110	111	1	12.0-160			1.32	32
Methyl tert-butyl ether	0.0291	U	0.0235	0.0234	94.0	93.6	1	21.0-145			0.448	29
Naphthalene	0.0291	U	0.0131	0.0148	52.4	59.3	1	10.0-153			12.3	36
n-Propylbenzene	0.0291	U	0.0169	0.0173	67.5	69.1	1	10.0-151			2.38	34
Styrene	0.0291	U	0.0174	0.0181	69.7	72.3	1	10.0-155			3.66	34
1,1,1,2-Tetrachloroethane	0.0291	U	0.0207	0.0210	82.7	84.2	1	10.0-147			1.76	30
1,1,2,2-Tetrachloroethane	0.0291	U	0.0216	0.0216	86.5	86.5	1	10.0-155			0.00245	31
Tetrachloroethene	0.0291		1.23	0.763	0.000	0.000	1	10.0-144	E V	E J3 V	46.8	32
Toluene	0.0291	U	0.0192	0.0196	76.7	78.2	1	10.0-144			1.99	28
1,1,2-Trichlorotrifluoroethane	0.0291	U	0.0226	0.0219	90.4	87.7	1	10.0-153			2.96	33
1,2,3-Trichlorobenzene	0.0291	U	0.00978	0.0114	39.1	45.5	1	10.0-153			15.0	40
1,2,4-Trichlorobenzene	0.0291	U	0.00917	0.0105	36.7	42.0	1	10.0-156			13.5	40
1,1,1-Trichloroethane	0.0291	U	0.0226	0.0221	90.2	88.4	1	18.0-145			2.04	29
1,1,2-Trichloroethane	0.0291	U	0.0207	0.0213	82.9	85.2	1	12.0-151			2.75	28
Trichloroethene	0.0291	0.0614	0.0457	0.0387	0.000	0.000	1	11.0-148	J6	J6	16.7	29
Trichlorofluoromethane	0.0291	U	0.0231	0.0227	92.5	90.7	1	10.0-157			1.94	34
1,2,3-Trichloropropane	0.0291	U	0.0220	0.0220	87.9	88.1	1	10.0-154			0.211	32
1,2,3-Trimethylbenzene	0.0291	U	0.0165	0.0174	66.1	69.7	1	10.0-150			5.40	33
1,2,4-Trimethylbenzene	0.0291	U	0.0161	0.0168	64.4	67.3	1	10.0-151			4.34	34
1,3,5-Trimethylbenzene	0.0291	U	0.0168	0.0176	67.2	70.5	1	10.0-150			4.84	33
Vinyl acetate	0.146	U	0.0629	0.0587	50.3	47.0	1	10.0-160			6.78	40
Vinyl chloride	0.0291	0.0230	0.0314	0.0285	33.4	21.9	1	10.0-150			9.57	29
Xylenes, Total	0.0873	U	0.0571	0.0596	76.1	79.5	1	10.0-150			4.28	31
(S) Toluene-d8					*102*	*103*		*80.0-120*				
(S) Dibromofluoromethane					*101*	*99.0*		*74.0-131*				
(S) 4-Bromofluorobenzene					*93.2*	*90.7*		*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
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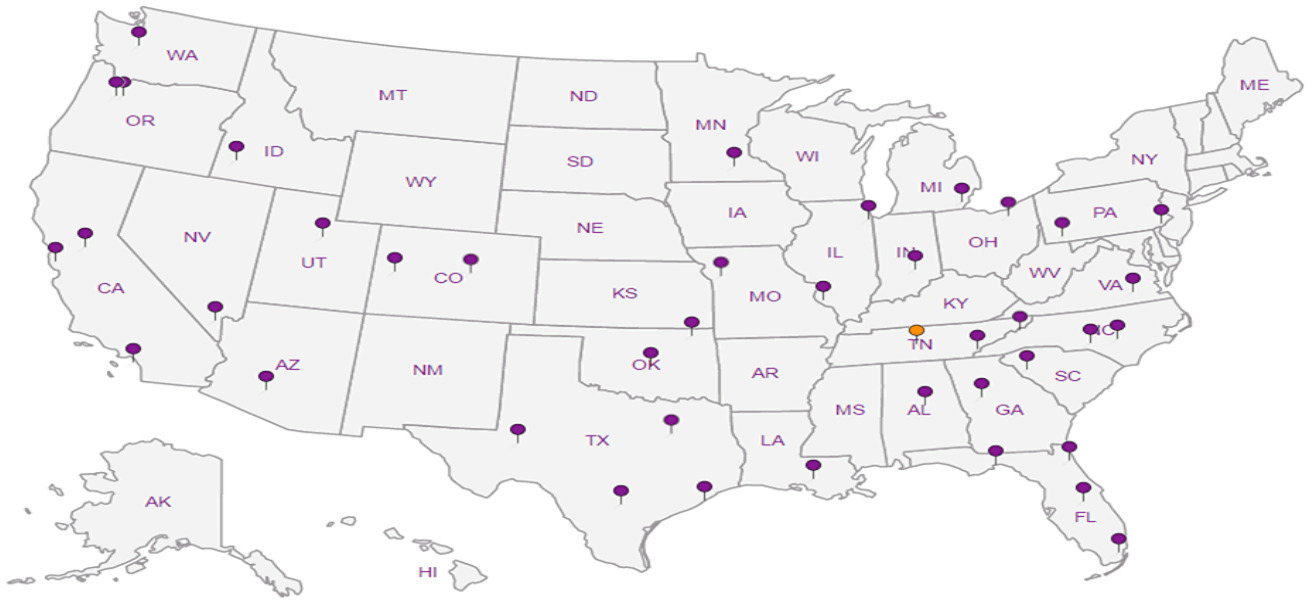
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Bill Haldeman / Brian ONeal
Email To: bhaldeman@pesenv.com boneal@pesenv.com

Project Description: American Linen Project
City/State Collected: Seattle WA

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

Client Project # 1413.001.02.~~002~~ 05.304
Lab Project # PESENVSWA-ALP

Collected by (print): Rachel McLaughlin
Site/Facility ID #
P.O. #

Collected by (signature): R. McLaughlin
Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed
Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt/voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-147-10	Grab	SS	10	4-2-18	0945	5	X	X		01
MW-147-20			20		1005					02
MW-147-30			30		1020					03
MW-147-40			40		1035					04
MW-147-50			50		1100					05
MW-147-60			60		1120					06
MW-147-70			70		1145					07
MW-147-80		X	80		1209	X		X		08
~~MW-147~~ TRIP Blank		HCl	—	9-20-17	—	1				09
MW-901-10		SS	10	4-2-18	1400	5	X	X		10

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: ___ UPS X FedEx ___ Courier ___

Tracking # 4196 3259 1960

Relinquished by : (Signature) R. McLaughlin — Date: 4-02-18 — Time: 1500 — Received by: (Signature)
Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)
Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) Kathryn Coon — Date: 4/3/18 — Time: 0845

Trip Blank Received: (Yes) / No — (HCl) / MeoH — TBR — 1
Temp: 5.6 °C — Bottles Received: 50 150 45
If preservation required by Login: Date/Time
Hold:
Condition: NCF / OK

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

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
a subsidiary of [illegible]
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 992616
H012
Acctnum: PESENVSWA
Template: T130006
Prelogin: P638152
TSR: 110 - Brian Ford
PB:
Shipped Via:

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0111 U	J	0.0109	0.0543	1	04/05/2018 03:16	WG1093771	
Acrylonitrile	U		0.00194	0.0109	1	04/05/2018 03:16	WG1093771	
Benzene	0.000566 J	J	0.000293	0.00109	1	04/05/2018 03:16	WG1093771	
Bromobenzene	U		0.000308	0.00109	1	04/05/2018 03:16	WG1093771	
Bromodichloromethane	U		0.000276	0.00109	1	04/05/2018 03:16	WG1093771	
Bromochloromethane	U		0.000424	0.00543	1	04/05/2018 03:16	WG1093771	
Bromoform	U		0.000460	0.00109	1	04/05/2018 03:16	WG1093771	
Bromomethane	U		0.00146	0.00543	1	04/05/2018 03:16	WG1093771	
n-Butylbenzene	U		0.000280	0.00109	1	04/05/2018 03:16	WG1093771	
sec-Butylbenzene	U		0.000218	0.00109	1	04/05/2018 03:16	WG1093771	
tert-Butylbenzene	U		0.000224	0.00109	1	04/05/2018 03:16	WG1093771	
Carbon disulfide	0.000653 J	J	0.000240	0.00109	1	04/05/2018 03:16	WG1093771	
Carbon tetrachloride	U		0.000356	0.00109	1	04/05/2018 03:16	WG1093771	
Chlorobenzene	U		0.000230	0.00109	1	04/05/2018 03:16	WG1093771	
Chlorodibromomethane	U		0.000405	0.00109	1	04/05/2018 03:16	WG1093771	
Chloroethane	U		0.00103	0.00543	1	04/05/2018 03:16	WG1093771	
Chloroform	U		0.000249	0.00543	1	04/05/2018 03:16	WG1093771	
Chloromethane	U		0.000407	0.00271	1	04/05/2018 03:16	WG1093771	
2-Chlorotoluene	U		0.000327	0.00109	1	04/05/2018 03:16	WG1093771	
4-Chlorotoluene	U		0.000261	0.00109	1	04/05/2018 03:16	WG1093771	
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	04/05/2018 03:16	WG1093771	
1,2-Dibromoethane	U		0.000372	0.00109	1	04/05/2018 03:16	WG1093771	
Dibromomethane	U		0.000415	0.00109	1	04/05/2018 03:16	WG1093771	
1,2-Dichlorobenzene	U		0.000331	0.00109	1	04/05/2018 03:16	WG1093771	
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/05/2018 03:16	WG1093771	
1,4-Dichlorobenzene	U		0.000245	0.00109	1	04/05/2018 03:16	WG1093771	
Dichlorodifluoromethane	U		0.000774	0.00543	1	04/05/2018 03:16	WG1093771	
1,1-Dichloroethane	U		0.000216	0.00109	1	04/05/2018 03:16	WG1093771	
1,2-Dichloroethane	U		0.000288	0.00109	1	04/05/2018 03:16	WG1093771	
1,1-Dichloroethene	U		0.000329	0.00109	1	04/05/2018 03:16	WG1093771	
cis-1,2-Dichloroethene	U		0.000255	0.00109	1	04/05/2018 03:16	WG1093771	
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/05/2018 03:16	WG1093771	
1,2-Dichloropropane	U		0.000389	0.00109	1	04/05/2018 03:16	WG1093771	
1,1-Dichloropropene	U		0.000344	0.00109	1	04/05/2018 03:16	WG1093771	
1,3-Dichloropropane	U		0.000225	0.00109	1	04/05/2018 03:16	WG1093771	
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/05/2018 03:16	WG1093771	
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	04/05/2018 03:16	WG1093771	
trans-1,4-Dichloro-2-butene	U		0.000845	0.00271	1	04/05/2018 03:16	WG1093771	
2,2-Dichloropropane	U		0.000303	0.00109	1	04/05/2018 03:16	WG1093771	
Di-isopropyl ether	U		0.000269	0.00109	1	04/05/2018 03:16	WG1093771	JC 4/25/18
Ethylbenzene	U		0.000323	0.00109	1	04/05/2018 03:16	WG1093771	
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	04/05/2018 03:16	WG1093771	
2-Hexanone	U		0.00149	0.0109	1	04/05/2018 03:16	WG1093771	
n-Hexane	U		0.000315	0.0109	1	04/05/2018 03:16	WG1093771	
Iodomethane	U		0.00275	0.0109	1	04/05/2018 03:16	WG1093771	
Isopropylbenzene	U		0.000264	0.00109	1	04/05/2018 03:16	WG1093771	
p-Isopropyltoluene	U		0.000222	0.00109	1	04/05/2018 03:16	WG1093771	
2-Butanone (MEK)	U		0.00508	0.0109	1	04/05/2018 03:16	WG1093771	
Methylene Chloride	U		0.00109	0.00543	1	04/05/2018 03:16	WG1093771	
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	04/05/2018 03:16	WG1093771	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00109	1	04/05/2018 03:16	WG1093771
Naphthalene	U		0.00109	0.00543	1	04/05/2018 03:16	WG1093771
n-Propylbenzene	U		0.000224	0.00109	1	04/05/2018 03:16	WG1093771
Styrene	U		0.000254	0.00109	1	04/05/2018 03:16	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/05/2018 03:16	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	04/05/2018 03:16	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	04/05/2018 03:16	WG1093771
Tetrachloroethene	0.000697 J	J	0.000300	0.00109	1	04/05/2018 03:16	WG1093771
Toluene	U		0.000471	0.00543	1	04/05/2018 03:16	WG1093771
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	04/05/2018 03:16	WG1093771
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	04/05/2018 03:16	WG1093771
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/05/2018 03:16	WG1093771
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/05/2018 03:16	WG1093771
Trichloroethene	U		0.000303	0.00109	1	04/05/2018 03:16	WG1093771
Trichlorofluoromethane	U		0.000415	0.00543	1	04/05/2018 03:16	WG1093771
1,2,3-Trichloropropane	U		0.000805	0.00271	1	04/05/2018 03:16	WG1093771
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	04/05/2018 03:16	WG1093771
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/05/2018 03:16	WG1093771
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/05/2018 03:16	WG1093771
Vinyl acetate	U		0.00260	0.0109	1	04/05/2018 03:16	WG1093771
Vinyl chloride	U		0.000316	0.00109	1	04/05/2018 03:16	WG1093771
Xylenes, Total	U		0.000758	0.00326	1	04/05/2018 03:16	WG1093771
(S) Toluene-d8	*102*			*80.0-120*		*04/05/2018 03:16*	WG1093771
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/05/2018 03:16*	WG1093771
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/05/2018 03:16*	WG1093771

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0108	0.0540	1	04/05/2018 03:37	WG1093771	
Acrylonitrile	U		0.00193	0.0108	1	04/05/2018 03:37	WG1093771	
Benzene	U		0.000292	0.00108	1	04/05/2018 03:37	WG1093771	
Bromobenzene	U		0.000307	0.00108	1	04/05/2018 03:37	WG1093771	
Bromodichloromethane	U		0.000275	0.00108	1	04/05/2018 03:37	WG1093771	
Bromochloromethane	U		0.000421	0.00540	1	04/05/2018 03:37	WG1093771	
Bromoform	U		0.000458	0.00108	1	04/05/2018 03:37	WG1093771	
Bromomethane	U		0.00145	0.00540	1	04/05/2018 03:37	WG1093771	
n-Butylbenzene	U		0.000279	0.00108	1	04/05/2018 03:37	WG1093771	
sec-Butylbenzene	U		0.000217	0.00108	1	04/05/2018 03:37	WG1093771	
tert-Butylbenzene	U		0.000223	0.00108	1	04/05/2018 03:37	WG1093771	
Carbon disulfide	0.00140		0.000239	0.00108	1	04/05/2018 03:37	WG1093771	
Carbon tetrachloride	U		0.000354	0.00108	1	04/05/2018 03:37	WG1093771	
Chlorobenzene	U		0.000229	0.00108	1	04/05/2018 03:37	WG1093771	
Chlorodibromomethane	U		0.000403	0.00108	1	04/05/2018 03:37	WG1093771	
Chloroethane	U		0.00102	0.00540	1	04/05/2018 03:37	WG1093771	
Chloroform	U		0.000247	0.00540	1	04/05/2018 03:37	WG1093771	
Chloromethane	U		0.000405	0.00270	1	04/05/2018 03:37	WG1093771	
2-Chlorotoluene	U		0.000325	0.00108	1	04/05/2018 03:37	WG1093771	
4-Chlorotoluene	U		0.000259	0.00108	1	04/05/2018 03:37	WG1093771	
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/05/2018 03:37	WG1093771	
1,2-Dibromoethane	U		0.000371	0.00108	1	04/05/2018 03:37	WG1093771	
Dibromomethane	U		0.000413	0.00108	1	04/05/2018 03:37	WG1093771	
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/05/2018 03:37	WG1093771	
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/05/2018 03:37	WG1093771	
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/05/2018 03:37	WG1093771	
Dichlorodifluoromethane	U		0.000771	0.00540	1	04/05/2018 03:37	WG1093771	
1,1-Dichloroethane	U		0.000215	0.00108	1	04/05/2018 03:37	WG1093771	
1,2-Dichloroethane	U		0.000286	0.00108	1	04/05/2018 03:37	WG1093771	
1,1-Dichloroethene	U		0.000327	0.00108	1	04/05/2018 03:37	WG1093771	
cis-1,2-Dichloroethene	U		0.000254	0.00108	1	04/05/2018 03:37	WG1093771	
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	04/05/2018 03:37	WG1093771	
1,2-Dichloropropane	U		0.000387	0.00108	1	04/05/2018 03:37	WG1093771	
1,1-Dichloropropene	U		0.000343	0.00108	1	04/05/2018 03:37	WG1093771	
1,3-Dichloropropane	U		0.000224	0.00108	1	04/05/2018 03:37	WG1093771	
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/05/2018 03:37	WG1093771	JC 4/25/18
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/05/2018 03:37	WG1093771	
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/05/2018 03:37	WG1093771	
2,2-Dichloropropane	U		0.000302	0.00108	1	04/05/2018 03:37	WG1093771	
Di-isopropyl ether	U		0.000268	0.00108	1	04/05/2018 03:37	WG1093771	
Ethylbenzene	U		0.000321	0.00108	1	04/05/2018 03:37	WG1093771	
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	04/05/2018 03:37	WG1093771	
2-Hexanone	U		0.00148	0.0108	1	04/05/2018 03:37	WG1093771	
n-Hexane	U		0.000313	0.0108	1	04/05/2018 03:37	WG1093771	
Iodomethane	U		0.00273	0.0108	1	04/05/2018 03:37	WG1093771	
Isopropylbenzene	U		0.000263	0.00108	1	04/05/2018 03:37	WG1093771	
p-Isopropyltoluene	U		0.000220	0.00108	1	04/05/2018 03:37	WG1093771	
2-Butanone (MEK)	U		0.00506	0.0108	1	04/05/2018 03:37	WG1093771	
Methylene Chloride	U		0.00108	0.00540	1	04/05/2018 03:37	WG1093771	
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/05/2018 03:37	WG1093771	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/05/2018 03:37	WG1093771
Naphthalene	U		0.00108	0.00540	1	04/05/2018 03:37	WG1093771
n-Propylbenzene	U		0.000223	0.00108	1	04/05/2018 03:37	WG1093771
Styrene	U		0.000253	0.00108	1	04/05/2018 03:37	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/05/2018 03:37	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	04/05/2018 03:37	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	04/05/2018 03:37	WG1093771
Tetrachloroethene	0.000759 J	J	0.000298	0.00108	1	04/05/2018 03:37	WG1093771
Toluene	U		0.000469	0.00540	1	04/05/2018 03:37	WG1093771
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/05/2018 03:37	WG1093771
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/05/2018 03:37	WG1093771
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/05/2018 03:37	WG1093771
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/05/2018 03:37	WG1093771
Trichloroethene	U		0.000302	0.00108	1	04/05/2018 03:37	WG1093771
Trichlorofluoromethane	U		0.000413	0.00540	1	04/05/2018 03:37	WG1093771
1,2,3-Trichloropropane	U		0.000801	0.00270	1	04/05/2018 03:37	WG1093771
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/05/2018 03:37	WG1093771
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/05/2018 03:37	WG1093771
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/05/2018 03:37	WG1093771
Vinyl acetate	U		0.00258	0.0108	1	04/05/2018 03:37	WG1093771
Vinyl chloride	U		0.000314	0.00108	1	04/05/2018 03:37	WG1093771
Xylenes, Total	U		0.000754	0.00324	1	04/05/2018 03:37	WG1093771
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 03:37*	WG1093771
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/05/2018 03:37*	WG1093771
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*04/05/2018 03:37*	WG1093771

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0558	1	04/05/2018 03:58	WG1093771
Acrylonitrile	U		0.00200	0.0112	1	04/05/2018 03:58	WG1093771
Benzene	U		0.000301	0.00112	1	04/05/2018 03:58	WG1093771
Bromobenzene	U		0.000317	0.00112	1	04/05/2018 03:58	WG1093771
Bromodichloromethane	U		0.000284	0.00112	1	04/05/2018 03:58	WG1093771
Bromochloromethane	U		0.000435	0.00558	1	04/05/2018 03:58	WG1093771
Bromoform	U		0.000473	0.00112	1	04/05/2018 03:58	WG1093771
Bromomethane	U		0.00150	0.00558	1	04/05/2018 03:58	WG1093771
n-Butylbenzene	U		0.000288	0.00112	1	04/05/2018 03:58	WG1093771
sec-Butylbenzene	U		0.000224	0.00112	1	04/05/2018 03:58	WG1093771
tert-Butylbenzene	U		0.000230	0.00112	1	04/05/2018 03:58	WG1093771
Carbon disulfide	U		0.000247	0.00112	1	04/05/2018 03:58	WG1093771
Carbon tetrachloride	U		0.000366	0.00112	1	04/05/2018 03:58	WG1093771
Chlorobenzene	U		0.000237	0.00112	1	04/05/2018 03:58	WG1093771
Chlorodibromomethane	U		0.000416	0.00112	1	04/05/2018 03:58	WG1093771
Chloroethane	U		0.00106	0.00558	1	04/05/2018 03:58	WG1093771
Chloroform	U		0.000256	0.00558	1	04/05/2018 03:58	WG1093771
Chloromethane	U		0.000419	0.00279	1	04/05/2018 03:58	WG1093771
2-Chlorotoluene	U		0.000336	0.00112	1	04/05/2018 03:58	WG1093771
4-Chlorotoluene	U		0.000268	0.00112	1	04/05/2018 03:58	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/05/2018 03:58	WG1093771
1,2-Dibromoethane	U		0.000383	0.00112	1	04/05/2018 03:58	WG1093771
Dibromomethane	U		0.000427	0.00112	1	04/05/2018 03:58	WG1093771
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/05/2018 03:58	WG1093771
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/05/2018 03:58	WG1093771
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/05/2018 03:58	WG1093771
Dichlorodifluoromethane	U		0.000796	0.00558	1	04/05/2018 03:58	WG1093771
1,1-Dichloroethane	U		0.000222	0.00112	1	04/05/2018 03:58	WG1093771
1,2-Dichloroethane	U		0.000296	0.00112	1	04/05/2018 03:58	WG1093771
1,1-Dichloroethene	U		0.000338	0.00112	1	04/05/2018 03:58	WG1093771
cis-1,2-Dichloroethene	0.00239		0.000262	0.00112	1	04/05/2018 03:58	WG1093771
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/05/2018 03:58	WG1093771
1,2-Dichloropropane	U		0.000400	0.00112	1	04/05/2018 03:58	WG1093771
1,1-Dichloropropene	U		0.000354	0.00112	1	04/05/2018 03:58	WG1093771
1,3-Dichloropropane	U		0.000231	0.00112	1	04/05/2018 03:58	WG1093771
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/05/2018 03:58	WG1093771
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/05/2018 03:58	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	04/05/2018 03:58	WG1093771
2,2-Dichloropropane	U		0.000312	0.00112	1	04/05/2018 03:58	WG1093771
Di-isopropyl ether	U		0.000277	0.00112	1	04/05/2018 03:58	WG1093771
Ethylbenzene	U		0.000332	0.00112	1	04/05/2018 03:58	WG1093771
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/05/2018 03:58	WG1093771
2-Hexanone	U		0.00153	0.0112	1	04/05/2018 03:58	WG1093771
n-Hexane	U		0.000324	0.0112	1	04/05/2018 03:58	WG1093771
Iodomethane	U		0.00282	0.0112	1	04/05/2018 03:58	WG1093771
Isopropylbenzene	U		0.000271	0.00112	1	04/05/2018 03:58	WG1093771
p-Isopropyltoluene	U		0.000228	0.00112	1	04/05/2018 03:58	WG1093771
2-Butanone (MEK)	U		0.00523	0.0112	1	04/05/2018 03:58	WG1093771
Methylene Chloride	U		0.00112	0.00558	1	04/05/2018 03:58	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/05/2018 03:58	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/05/2018 03:58	WG1093771
Naphthalene	U		0.00112	0.00558	1	04/05/2018 03:58	WG1093771
n-Propylbenzene	U		0.000230	0.00112	1	04/05/2018 03:58	WG1093771
Styrene	U		0.000261	0.00112	1	04/05/2018 03:58	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/05/2018 03:58	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/05/2018 03:58	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/05/2018 03:58	WG1093771
Tetrachloroethene	0.0238		0.000308	0.00112	1	04/05/2018 03:58	WG1093771
Toluene	U		0.000485	0.00558	1	04/05/2018 03:58	WG1093771
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/05/2018 03:58	WG1093771
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/05/2018 03:58	WG1093771
1,1,1-Trichloroethane	U		0.000319	0.00112	1	04/05/2018 03:58	WG1093771
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/05/2018 03:58	WG1093771
Trichloroethene	0.00330		0.000312	0.00112	1	04/05/2018 03:58	WG1093771
Trichlorofluoromethane	U		0.000427	0.00558	1	04/05/2018 03:58	WG1093771
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/05/2018 03:58	WG1093771
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/05/2018 03:58	WG1093771
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/05/2018 03:58	WG1093771
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/05/2018 03:58	WG1093771
Vinyl acetate	U		0.00267	0.0112	1	04/05/2018 03:58	WG1093771
Vinyl chloride	U		0.000325	0.00112	1	04/05/2018 03:58	WG1093771
Xylenes, Total	U		0.000779	0.00335	1	04/05/2018 03:58	WG1093771
(S) Toluene-d8	*100*			*80.0-120*		*04/05/2018 03:58*	WG1093771
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/05/2018 03:58*	WG1093771
(S) 4-Bromofluorobenzene	*98.1*			*64.0-132*		*04/05/2018 03:58*	WG1093771

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0113 U	J	0.0110	0.0552	1	04/05/2018 04:20	WG1093771
Acrylonitrile	U		0.00198	0.0110	1	04/05/2018 04:20	WG1093771
Benzene	U		0.000298	0.00110	1	04/05/2018 04:20	WG1093771
Bromobenzene	U		0.000313	0.00110	1	04/05/2018 04:20	WG1093771
Bromodichloromethane	U		0.000280	0.00110	1	04/05/2018 04:20	WG1093771
Bromochloromethane	U		0.000430	0.00552	1	04/05/2018 04:20	WG1093771
Bromoform	U		0.000468	0.00110	1	04/05/2018 04:20	WG1093771
Bromomethane	U		0.00148	0.00552	1	04/05/2018 04:20	WG1093771
n-Butylbenzene	U		0.000285	0.00110	1	04/05/2018 04:20	WG1093771
sec-Butylbenzene	U		0.000222	0.00110	1	04/05/2018 04:20	WG1093771
tert-Butylbenzene	U		0.000227	0.00110	1	04/05/2018 04:20	WG1093771
Carbon disulfide	0.000405 J	J	0.000244	0.00110	1	04/05/2018 04:20	WG1093771
Carbon tetrachloride	U		0.000362	0.00110	1	04/05/2018 04:20	WG1093771
Chlorobenzene	U		0.000234	0.00110	1	04/05/2018 04:20	WG1093771
Chlorodibromomethane	U		0.000412	0.00110	1	04/05/2018 04:20	WG1093771
Chloroethane	U		0.00104	0.00552	1	04/05/2018 04:20	WG1093771
Chloroform	U		0.000253	0.00552	1	04/05/2018 04:20	WG1093771
Chloromethane	U		0.000414	0.00276	1	04/05/2018 04:20	WG1093771
2-Chlorotoluene	U		0.000332	0.00110	1	04/05/2018 04:20	WG1093771
4-Chlorotoluene	U		0.000265	0.00110	1	04/05/2018 04:20	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/05/2018 04:20	WG1093771
1,2-Dibromoethane	U		0.000378	0.00110	1	04/05/2018 04:20	WG1093771
Dibromomethane	U		0.000421	0.00110	1	04/05/2018 04:20	WG1093771
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/05/2018 04:20	WG1093771
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/05/2018 04:20	WG1093771
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/05/2018 04:20	WG1093771
Dichlorodifluoromethane	U		0.000787	0.00552	1	04/05/2018 04:20	WG1093771
1,1-Dichloroethane	U		0.000220	0.00110	1	04/05/2018 04:20	WG1093771
1,2-Dichloroethane	U		0.000292	0.00110	1	04/05/2018 04:20	WG1093771
1,1-Dichloroethene	U		0.000334	0.00110	1	04/05/2018 04:20	WG1093771
cis-1,2-Dichloroethene	0.00488		0.000259	0.00110	1	04/05/2018 04:20	WG1093771
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/05/2018 04:20	WG1093771
1,2-Dichloropropane	U		0.000395	0.00110	1	04/05/2018 04:20	WG1093771
1,1-Dichloropropene	U		0.000350	0.00110	1	04/05/2018 04:20	WG1093771
1,3-Dichloropropane	U		0.000228	0.00110	1	04/05/2018 04:20	WG1093771
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/05/2018 04:20	WG1093771
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/05/2018 04:20	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	04/05/2018 04:20	WG1093771
2,2-Dichloropropane	U		0.000308	0.00110	1	04/05/2018 04:20	WG1093771
Di-isopropyl ether	U		0.000274	0.00110	1	04/05/2018 04:20	WG1093771
Ethylbenzene	U		0.000328	0.00110	1	04/05/2018 04:20	WG1093771
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/05/2018 04:20	WG1093771
2-Hexanone	U		0.00151	0.0110	1	04/05/2018 04:20	WG1093771
n-Hexane	U		0.000320	0.0110	1	04/05/2018 04:20	WG1093771
Iodomethane	U		0.00279	0.0110	1	04/05/2018 04:20	WG1093771
Isopropylbenzene	U		0.000268	0.00110	1	04/05/2018 04:20	WG1093771
p-Isopropyltoluene	U		0.000225	0.00110	1	04/05/2018 04:20	WG1093771
2-Butanone (MEK)	0.00707 J	J	0.00516	0.0110	1	04/05/2018 04:20	WG1093771
Methylene Chloride	U		0.00110	0.00552	1	04/05/2018 04:20	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/05/2018 04:20	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/05/2018 04:20	WG1093771
Naphthalene	U		0.00110	0.00552	1	04/05/2018 04:20	WG1093771
n-Propylbenzene	U		0.000227	0.00110	1	04/05/2018 04:20	WG1093771
Styrene	U		0.000258	0.00110	1	04/05/2018 04:20	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/05/2018 04:20	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/05/2018 04:20	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/05/2018 04:20	WG1093771
Tetrachloroethene	0.0146		0.000305	0.00110	1	04/05/2018 04:20	WG1093771
Toluene	U		0.000479	0.00552	1	04/05/2018 04:20	WG1093771
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/05/2018 04:20	WG1093771
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/05/2018 04:20	WG1093771
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/05/2018 04:20	WG1093771
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/05/2018 04:20	WG1093771
Trichloroethene	0.00118		0.000308	0.00110	1	04/05/2018 04:20	WG1093771
Trichlorofluoromethane	U		0.000421	0.00552	1	04/05/2018 04:20	WG1093771
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/05/2018 04:20	WG1093771
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/05/2018 04:20	WG1093771
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/05/2018 04:20	WG1093771
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/05/2018 04:20	WG1093771
Vinyl acetate	U		0.00264	0.0110	1	04/05/2018 04:20	WG1093771
Vinyl chloride	0.0615		0.000321	0.00110	1	04/05/2018 04:20	WG1093771
Xylenes, Total	U		0.000770	0.00331	1	04/05/2018 04:20	WG1093771
(S) Toluene-d8	*100*			*80.0-120*		*04/05/2018 04:20*	WG1093771
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/05/2018 04:20*	WG1093771
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*04/05/2018 04:20*	WG1093771

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	04/07/2018 13:06	WG1094352

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0121 U	J	0.0111	0.0554	1	04/05/2018 04:41	WG1093771	
Acrylonitrile	U		0.00198	0.0111	1	04/05/2018 04:41	WG1093771	
Benzene	U		0.000299	0.00111	1	04/05/2018 04:41	WG1093771	
Bromobenzene	U		0.000315	0.00111	1	04/05/2018 04:41	WG1093771	
Bromodichloromethane	U		0.000281	0.00111	1	04/05/2018 04:41	WG1093771	
Bromochloromethane	U		0.000432	0.00554	1	04/05/2018 04:41	WG1093771	
Bromoform	U		0.000470	0.00111	1	04/05/2018 04:41	WG1093771	
Bromomethane	U		0.00148	0.00554	1	04/05/2018 04:41	WG1093771	
n-Butylbenzene	U		0.000286	0.00111	1	04/05/2018 04:41	WG1093771	
sec-Butylbenzene	U		0.000223	0.00111	1	04/05/2018 04:41	WG1093771	
tert-Butylbenzene	U		0.000228	0.00111	1	04/05/2018 04:41	WG1093771	
Carbon disulfide	U		0.000245	0.00111	1	04/05/2018 04:41	WG1093771	
Carbon tetrachloride	U		0.000363	0.00111	1	04/05/2018 04:41	WG1093771	
Chlorobenzene	U		0.000235	0.00111	1	04/05/2018 04:41	WG1093771	
Chlorodibromomethane	U		0.000413	0.00111	1	04/05/2018 04:41	WG1093771	
Chloroethane	U		0.00105	0.00554	1	04/05/2018 04:41	WG1093771	
Chloroform	U		0.000254	0.00554	1	04/05/2018 04:41	WG1093771	
Chloromethane	U		0.000415	0.00277	1	04/05/2018 04:41	WG1093771	
2-Chlorotoluene	U		0.000333	0.00111	1	04/05/2018 04:41	WG1093771	
4-Chlorotoluene	U		0.000266	0.00111	1	04/05/2018 04:41	WG1093771	
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	04/05/2018 04:41	WG1093771	
1,2-Dibromoethane	U		0.000380	0.00111	1	04/05/2018 04:41	WG1093771	
Dibromomethane	U		0.000423	0.00111	1	04/05/2018 04:41	WG1093771	
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/05/2018 04:41	WG1093771	
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/05/2018 04:41	WG1093771	
1,4-Dichlorobenzene	U		0.000250	0.00111	1	04/05/2018 04:41	WG1093771	
Dichlorodifluoromethane	U		0.000790	0.00554	1	04/05/2018 04:41	WG1093771	
1,1-Dichloroethane	U		0.000220	0.00111	1	04/05/2018 04:41	WG1093771	
1,2-Dichloroethane	U		0.000294	0.00111	1	04/05/2018 04:41	WG1093771	
1,1-Dichloroethene	U		0.000336	0.00111	1	04/05/2018 04:41	WG1093771	
cis-1,2-Dichloroethene	0.00432		0.000260	0.00111	1	04/05/2018 04:41	WG1093771	
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	04/05/2018 04:41	WG1093771	
1,2-Dichloropropane	U		0.000397	0.00111	1	04/05/2018 04:41	WG1093771	
1,1-Dichloropropene	U		0.000351	0.00111	1	04/05/2018 04:41	WG1093771	
1,3-Dichloropropane	U		0.000229	0.00111	1	04/05/2018 04:41	WG1093771	
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	04/05/2018 04:41	WG1093771	
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/05/2018 04:41	WG1093771	
trans-1,4-Dichloro-2-butene	U		0.000862	0.00277	1	04/05/2018 04:41	WG1093771	
2,2-Dichloropropane	U		0.000309	0.00111	1	04/05/2018 04:41	WG1093771	
Di-isopropyl ether	U		0.000275	0.00111	1	04/05/2018 04:41	WG1093771	
Ethylbenzene	U		0.000329	0.00111	1	04/05/2018 04:41	WG1093771	
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/05/2018 04:41	WG1093771	
2-Hexanone	U		0.00152	0.0111	1	04/05/2018 04:41	WG1093771	
n-Hexane	U		0.000321	0.0111	1	04/05/2018 04:41	WG1093771	
Iodomethane	U		0.00280	0.0111	1	04/05/2018 04:41	WG1093771	
Isopropylbenzene	U		0.000269	0.00111	1	04/05/2018 04:41	WG1093771	
p-Isopropyltoluene	U		0.000226	0.00111	1	04/05/2018 04:41	WG1093771	
2-Butanone (MEK)	U		0.00518	0.0111	1	04/05/2018 04:41	WG1093771	
Methylene Chloride	U		0.00111	0.00554	1	04/05/2018 04:41	WG1093771	JC 4/25/18
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	04/05/2018 04:41	WG1093771	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/05/2018 04:41	WG1093771
Naphthalene	U		0.00111	0.00554	1	04/05/2018 04:41	WG1093771
n-Propylbenzene	U		0.000228	0.00111	1	04/05/2018 04:41	WG1093771
Styrene	U		0.000259	0.00111	1	04/05/2018 04:41	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	04/05/2018 04:41	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	04/05/2018 04:41	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	04/05/2018 04:41	WG1093771
Tetrachloroethene	0.00175		0.000306	0.00111	1	04/05/2018 04:41	WG1093771
Toluene	U		0.000481	0.00554	1	04/05/2018 04:41	WG1093771
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/05/2018 04:41	WG1093771
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/05/2018 04:41	WG1093771
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/05/2018 04:41	WG1093771
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/05/2018 04:41	WG1093771
Trichloroethene	0.00105	J J	0.000309	0.00111	1	04/05/2018 04:41	WG1093771
Trichlorofluoromethane	U		0.000423	0.00554	1	04/05/2018 04:41	WG1093771
1,2,3-Trichloropropane	U		0.000821	0.00277	1	04/05/2018 04:41	WG1093771
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/05/2018 04:41	WG1093771
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/05/2018 04:41	WG1093771
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/05/2018 04:41	WG1093771
Vinyl acetate	U		0.00265	0.0111	1	04/05/2018 04:41	WG1093771
Vinyl chloride	0.00322		0.000322	0.00111	1	04/05/2018 04:41	WG1093771
Xylenes, Total	U		0.000773	0.00332	1	04/05/2018 04:41	WG1093771
(S) Toluene-d8	*102*			*80.0-120*		*04/05/2018 04:41*	WG1093771
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*04/05/2018 04:41*	WG1093771
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/05/2018 04:41*	WG1093771

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	04/06/2018 11:25	WG1094356

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0145 U	J	0.0108	0.0538	1	04/05/2018 05:02	WG1093771
Acrylonitrile	U		0.00192	0.0108	1	04/05/2018 05:02	WG1093771
Benzene	U		0.000290	0.00108	1	04/05/2018 05:02	WG1093771
Bromobenzene	U		0.000305	0.00108	1	04/05/2018 05:02	WG1093771
Bromodichloromethane	U		0.000273	0.00108	1	04/05/2018 05:02	WG1093771
Bromochloromethane	U		0.000419	0.00538	1	04/05/2018 05:02	WG1093771
Bromoform	U		0.000456	0.00108	1	04/05/2018 05:02	WG1093771
Bromomethane	U		0.00144	0.00538	1	04/05/2018 05:02	WG1093771
n-Butylbenzene	U		0.000277	0.00108	1	04/05/2018 05:02	WG1093771
sec-Butylbenzene	U		0.000216	0.00108	1	04/05/2018 05:02	WG1093771
tert-Butylbenzene	U		0.000221	0.00108	1	04/05/2018 05:02	WG1093771
Carbon disulfide	U		0.000238	0.00108	1	04/05/2018 05:02	WG1093771
Carbon tetrachloride	U		0.000353	0.00108	1	04/05/2018 05:02	WG1093771
Chlorobenzene	U		0.000228	0.00108	1	04/05/2018 05:02	WG1093771
Chlorodibromomethane	U		0.000401	0.00108	1	04/05/2018 05:02	WG1093771
Chloroethane	U		0.00102	0.00538	1	04/05/2018 05:02	WG1093771
Chloroform	U		0.000246	0.00538	1	04/05/2018 05:02	WG1093771
Chloromethane	U		0.000403	0.00269	1	04/05/2018 05:02	WG1093771
2-Chlorotoluene	U		0.000324	0.00108	1	04/05/2018 05:02	WG1093771
4-Chlorotoluene	U		0.000258	0.00108	1	04/05/2018 05:02	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	04/05/2018 05:02	WG1093771
1,2-Dibromoethane	U		0.000369	0.00108	1	04/05/2018 05:02	WG1093771
Dibromomethane	U		0.000411	0.00108	1	04/05/2018 05:02	WG1093771
1,2-Dichlorobenzene	U		0.000328	0.00108	1	04/05/2018 05:02	WG1093771
1,3-Dichlorobenzene	U		0.000257	0.00108	1	04/05/2018 05:02	WG1093771
1,4-Dichlorobenzene	U		0.000243	0.00108	1	04/05/2018 05:02	WG1093771
Dichlorodifluoromethane	U		0.000767	0.00538	1	04/05/2018 05:02	WG1093771
1,1-Dichloroethane	U		0.000214	0.00108	1	04/05/2018 05:02	WG1093771
1,2-Dichloroethane	U		0.000285	0.00108	1	04/05/2018 05:02	WG1093771
1,1-Dichloroethene	U		0.000326	0.00108	1	04/05/2018 05:02	WG1093771
cis-1,2-Dichloroethene	0.000696 J	J	0.000253	0.00108	1	04/05/2018 05:02	WG1093771
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	04/05/2018 05:02	WG1093771
1,2-Dichloropropane	U		0.000385	0.00108	1	04/05/2018 05:02	WG1093771
1,1-Dichloropropene	U		0.000341	0.00108	1	04/05/2018 05:02	WG1093771
1,3-Dichloropropane	U		0.000223	0.00108	1	04/05/2018 05:02	WG1093771
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	04/05/2018 05:02	WG1093771
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	04/05/2018 05:02	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000837	0.00269	1	04/05/2018 05:02	WG1093771
2,2-Dichloropropane	U		0.000300	0.00108	1	04/05/2018 05:02	WG1093771
Di-isopropyl ether	U		0.000267	0.00108	1	04/05/2018 05:02	WG1093771
Ethylbenzene	U		0.000319	0.00108	1	04/05/2018 05:02	WG1093771
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	04/05/2018 05:02	WG1093771
2-Hexanone	U		0.00147	0.0108	1	04/05/2018 05:02	WG1093771
n-Hexane	U		0.000312	0.0108	1	04/05/2018 05:02	WG1093771
Iodomethane	U		0.00272	0.0108	1	04/05/2018 05:02	WG1093771
Isopropylbenzene	U		0.000261	0.00108	1	04/05/2018 05:02	WG1093771
p-Isopropyltoluene	U		0.000219	0.00108	1	04/05/2018 05:02	WG1093771
2-Butanone (MEK)	U		0.00503	0.0108	1	04/05/2018 05:02	WG1093771
Methylene Chloride	U		0.00108	0.00538	1	04/05/2018 05:02	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	04/05/2018 05:02	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	04/05/2018 05:02	WG1093771
Naphthalene	U		0.00108	0.00538	1	04/05/2018 05:02	WG1093771
n-Propylbenzene	U		0.000221	0.00108	1	04/05/2018 05:02	WG1093771
Styrene	U		0.000252	0.00108	1	04/05/2018 05:02	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	04/05/2018 05:02	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000392	0.00108	1	04/05/2018 05:02	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00108	1	04/05/2018 05:02	WG1093771
Tetrachloroethene	0.000607 J	J	0.000297	0.00108	1	04/05/2018 05:02	WG1093771
Toluene	U		0.000467	0.00538	1	04/05/2018 05:02	WG1093771
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	04/05/2018 05:02	WG1093771
1,2,4-Trichlorobenzene	U		0.000417	0.00108	1	04/05/2018 05:02	WG1093771
1,1,1-Trichloroethane	U		0.000308	0.00108	1	04/05/2018 05:02	WG1093771
1,1,2-Trichloroethane	U		0.000298	0.00108	1	04/05/2018 05:02	WG1093771
Trichloroethene	U		0.000300	0.00108	1	04/05/2018 05:02	WG1093771
Trichlorofluoromethane	U		0.000411	0.00538	1	04/05/2018 05:02	WG1093771
1,2,3-Trichloropropane	U		0.000797	0.00269	1	04/05/2018 05:02	WG1093771
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	04/05/2018 05:02	WG1093771
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	04/05/2018 05:02	WG1093771
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	04/05/2018 05:02	WG1093771
Vinyl acetate	U		0.00257	0.0108	1	04/05/2018 05:02	WG1093771
Vinyl chloride	U		0.000313	0.00108	1	04/05/2018 05:02	WG1093771
Xylenes, Total	U		0.000751	0.00323	1	04/05/2018 05:02	WG1093771
(S) Toluene-d8	*98.3*			*80.0-120*		*04/05/2018 05:02*	WG1093771
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/05/2018 05:02*	WG1093771
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/05/2018 05:02*	WG1093771

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	04/06/2018 11:25	WG1094356

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0560	1	04/05/2018 05:23	WG1093771
Acrylonitrile	U		0.00200	0.0112	1	04/05/2018 05:23	WG1093771
Benzene	U		0.000302	0.00112	1	04/05/2018 05:23	WG1093771
Bromobenzene	U		0.000318	0.00112	1	04/05/2018 05:23	WG1093771
Bromodichloromethane	U		0.000284	0.00112	1	04/05/2018 05:23	WG1093771
Bromochloromethane	U		0.000436	0.00560	1	04/05/2018 05:23	WG1093771
Bromoform	U		0.000475	0.00112	1	04/05/2018 05:23	WG1093771
Bromomethane	U		0.00150	0.00560	1	04/05/2018 05:23	WG1093771
n-Butylbenzene	U		0.000289	0.00112	1	04/05/2018 05:23	WG1093771
sec-Butylbenzene	U		0.000225	0.00112	1	04/05/2018 05:23	WG1093771
tert-Butylbenzene	U		0.000231	0.00112	1	04/05/2018 05:23	WG1093771
Carbon disulfide	U		0.000247	0.00112	1	04/05/2018 05:23	WG1093771
Carbon tetrachloride	U		0.000367	0.00112	1	04/05/2018 05:23	WG1093771
Chlorobenzene	U		0.000237	0.00112	1	04/05/2018 05:23	WG1093771
Chlorodibromomethane	U		0.000417	0.00112	1	04/05/2018 05:23	WG1093771
Chloroethane	U		0.00106	0.00560	1	04/05/2018 05:23	WG1093771
Chloroform	U		0.000256	0.00560	1	04/05/2018 05:23	WG1093771
Chloromethane	U		0.000420	0.00280	1	04/05/2018 05:23	WG1093771
2-Chlorotoluene	U		0.000337	0.00112	1	04/05/2018 05:23	WG1093771
4-Chlorotoluene	U		0.000269	0.00112	1	04/05/2018 05:23	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	04/05/2018 05:23	WG1093771
1,2-Dibromoethane	U		0.000384	0.00112	1	04/05/2018 05:23	WG1093771
Dibromomethane	U		0.000428	0.00112	1	04/05/2018 05:23	WG1093771
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/05/2018 05:23	WG1093771
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/05/2018 05:23	WG1093771
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/05/2018 05:23	WG1093771
Dichlorodifluoromethane	U		0.000798	0.00560	1	04/05/2018 05:23	WG1093771
1,1-Dichloroethane	U		0.000223	0.00112	1	04/05/2018 05:23	WG1093771
1,2-Dichloroethane	U		0.000297	0.00112	1	04/05/2018 05:23	WG1093771
1,1-Dichloroethene	U		0.000339	0.00112	1	04/05/2018 05:23	WG1093771
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	04/05/2018 05:23	WG1093771
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/05/2018 05:23	WG1093771
1,2-Dichloropropane	U		0.000401	0.00112	1	04/05/2018 05:23	WG1093771
1,1-Dichloropropene	U		0.000355	0.00112	1	04/05/2018 05:23	WG1093771
1,3-Dichloropropane	U		0.000232	0.00112	1	04/05/2018 05:23	WG1093771
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/05/2018 05:23	WG1093771
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/05/2018 05:23	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	04/05/2018 05:23	WG1093771
2,2-Dichloropropane	U		0.000312	0.00112	1	04/05/2018 05:23	WG1093771
Di-isopropyl ether	U		0.000278	0.00112	1	04/05/2018 05:23	WG1093771
Ethylbenzene	U		0.000332	0.00112	1	04/05/2018 05:23	WG1093771
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	04/05/2018 05:23	WG1093771
2-Hexanone	U		0.00153	0.0112	1	04/05/2018 05:23	WG1093771
n-Hexane	U		0.000325	0.0112	1	04/05/2018 05:23	WG1093771
Iodomethane	U		0.00283	0.0112	1	04/05/2018 05:23	WG1093771
Isopropylbenzene	U		0.000272	0.00112	1	04/05/2018 05:23	WG1093771
p-Isopropyltoluene	U		0.000228	0.00112	1	04/05/2018 05:23	WG1093771
2-Butanone (MEK)	U		0.00524	0.0112	1	04/05/2018 05:23	WG1093771
Methylene Chloride	U		0.00112	0.00560	1	04/05/2018 05:23	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/05/2018 05:23	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/05/2018 05:23	WG1093771
Naphthalene	U		0.00112	0.00560	1	04/05/2018 05:23	WG1093771
n-Propylbenzene	U		0.000231	0.00112	1	04/05/2018 05:23	WG1093771
Styrene	U		0.000262	0.00112	1	04/05/2018 05:23	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/05/2018 05:23	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/05/2018 05:23	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/05/2018 05:23	WG1093771
Tetrachloroethene	U		0.000309	0.00112	1	04/05/2018 05:23	WG1093771
Toluene	U		0.000486	0.00560	1	04/05/2018 05:23	WG1093771
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/05/2018 05:23	WG1093771
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/05/2018 05:23	WG1093771
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/05/2018 05:23	WG1093771
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/05/2018 05:23	WG1093771
Trichloroethene	U		0.000312	0.00112	1	04/05/2018 05:23	WG1093771
Trichlorofluoromethane	U		0.000428	0.00560	1	04/05/2018 05:23	WG1093771
1,2,3-Trichloropropane	U		0.000829	0.00280	1	04/05/2018 05:23	WG1093771
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/05/2018 05:23	WG1093771
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/05/2018 05:23	WG1093771
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/05/2018 05:23	WG1093771
Vinyl acetate	U		0.00267	0.0112	1	04/05/2018 05:23	WG1093771
Vinyl chloride	0.000502 J	J	0.000326	0.00112	1	04/05/2018 05:23	WG1093771
Xylenes, Total	U		0.000781	0.00336	1	04/05/2018 05:23	WG1093771
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 05:23*	WG1093771
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/05/2018 05:23*	WG1093771
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*04/05/2018 05:23*	WG1093771

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	04/06/2018 11:25	WG1094356

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0159 U	J	0.0116	0.0579	1	04/05/2018 05:45	WG1093771
Acrylonitrile	U		0.00207	0.0116	1	04/05/2018 05:45	WG1093771
Benzene	U		0.000312	0.00116	1	04/05/2018 05:45	WG1093771
Bromobenzene	U		0.000329	0.00116	1	04/05/2018 05:45	WG1093771
Bromodichloromethane	U		0.000294	0.00116	1	04/05/2018 05:45	WG1093771
Bromochloromethane	U		0.000451	0.00579	1	04/05/2018 05:45	WG1093771
Bromoform	U		0.000491	0.00116	1	04/05/2018 05:45	WG1093771
Bromomethane	U		0.00155	0.00579	1	04/05/2018 05:45	WG1093771
n-Butylbenzene	U		0.000299	0.00116	1	04/05/2018 05:45	WG1093771
sec-Butylbenzene	U		0.000233	0.00116	1	04/05/2018 05:45	WG1093771
tert-Butylbenzene	U		0.000238	0.00116	1	04/05/2018 05:45	WG1093771
Carbon disulfide	U		0.000256	0.00116	1	04/05/2018 05:45	WG1093771
Carbon tetrachloride	U		0.000380	0.00116	1	04/05/2018 05:45	WG1093771
Chlorobenzene	U		0.000245	0.00116	1	04/05/2018 05:45	WG1093771
Chlorodibromomethane	U		0.000432	0.00116	1	04/05/2018 05:45	WG1093771
Chloroethane	U		0.00109	0.00579	1	04/05/2018 05:45	WG1093771
Chloroform	U		0.000265	0.00579	1	04/05/2018 05:45	WG1093771
Chloromethane	U		0.000434	0.00289	1	04/05/2018 05:45	WG1093771
2-Chlorotoluene	U		0.000348	0.00116	1	04/05/2018 05:45	WG1093771
4-Chlorotoluene	U		0.000278	0.00116	1	04/05/2018 05:45	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00579	1	04/05/2018 05:45	WG1093771
1,2-Dibromoethane	U		0.000397	0.00116	1	04/05/2018 05:45	WG1093771
Dibromomethane	U		0.000442	0.00116	1	04/05/2018 05:45	WG1093771
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/05/2018 05:45	WG1093771
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/05/2018 05:45	WG1093771
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/05/2018 05:45	WG1093771
Dichlorodifluoromethane	U		0.000825	0.00579	1	04/05/2018 05:45	WG1093771
1,1-Dichloroethane	U		0.000230	0.00116	1	04/05/2018 05:45	WG1093771
1,2-Dichloroethane	U		0.000307	0.00116	1	04/05/2018 05:45	WG1093771
1,1-Dichloroethene	U		0.000351	0.00116	1	04/05/2018 05:45	WG1093771
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	04/05/2018 05:45	WG1093771
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	04/05/2018 05:45	WG1093771
1,2-Dichloropropane	U		0.000414	0.00116	1	04/05/2018 05:45	WG1093771
1,1-Dichloropropene	U		0.000367	0.00116	1	04/05/2018 05:45	WG1093771
1,3-Dichloropropane	U		0.000240	0.00116	1	04/05/2018 05:45	WG1093771
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/05/2018 05:45	WG1093771
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/05/2018 05:45	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000900	0.00289	1	04/05/2018 05:45	WG1093771
2,2-Dichloropropane	U		0.000323	0.00116	1	04/05/2018 05:45	WG1093771
Di-isopropyl ether	U		0.000287	0.00116	1	04/05/2018 05:45	WG1093771
Ethylbenzene	U		0.000344	0.00116	1	04/05/2018 05:45	WG1093771
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/05/2018 05:45	WG1093771
2-Hexanone	U		0.00159	0.0116	1	04/05/2018 05:45	WG1093771
n-Hexane	U		0.000336	0.0116	1	04/05/2018 05:45	WG1093771
Iodomethane	U		0.00293	0.0116	1	04/05/2018 05:45	WG1093771
Isopropylbenzene	U		0.000281	0.00116	1	04/05/2018 05:45	WG1093771
p-Isopropyltoluene	U		0.000236	0.00116	1	04/05/2018 05:45	WG1093771
2-Butanone (MEK)	U		0.00542	0.0116	1	04/05/2018 05:45	WG1093771
Methylene Chloride	U		0.00116	0.00579	1	04/05/2018 05:45	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/05/2018 05:45	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/05/2018 05:45	WG1093771
Naphthalene	U		0.00116	0.00579	1	04/05/2018 05:45	WG1093771
n-Propylbenzene	U		0.000238	0.00116	1	04/05/2018 05:45	WG1093771
Styrene	U		0.000271	0.00116	1	04/05/2018 05:45	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/05/2018 05:45	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/05/2018 05:45	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/05/2018 05:45	WG1093771
Tetrachloroethene	U		0.000319	0.00116	1	04/05/2018 05:45	WG1093771
Toluene	U		0.000502	0.00579	1	04/05/2018 05:45	WG1093771
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/05/2018 05:45	WG1093771
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/05/2018 05:45	WG1093771
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/05/2018 05:45	WG1093771
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/05/2018 05:45	WG1093771
Trichloroethene	U		0.000323	0.00116	1	04/05/2018 05:45	WG1093771
Trichlorofluoromethane	U		0.000442	0.00579	1	04/05/2018 05:45	WG1093771
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/05/2018 05:45	WG1093771
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/05/2018 05:45	WG1093771
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/05/2018 05:45	WG1093771
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/05/2018 05:45	WG1093771
Vinyl acetate	U		0.00277	0.0116	1	04/05/2018 05:45	WG1093771
Vinyl chloride	U		0.000337	0.00116	1	04/05/2018 05:45	WG1093771
Xylenes, Total	U		0.000808	0.00347	1	04/05/2018 05:45	WG1093771
(S) Toluene-d8	*99.7*			*80.0-120*		*04/05/2018 05:45*	WG1093771
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/05/2018 05:45*	WG1093771
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/05/2018 05:45*	WG1093771

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.19	J	1.05	25.0	1	04/04/2018 20:36	WG1093766
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:36	WG1093766
Benzene	U		0.0896	0.500	1	04/04/2018 20:36	WG1093766
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:36	WG1093766
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:36	WG1093766
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:36	WG1093766
Bromoform	U		0.186	0.500	1	04/04/2018 20:36	WG1093766
Bromomethane	U		0.157	2.50	1	04/04/2018 20:36	WG1093766
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:36	WG1093766
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:36	WG1093766
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:36	WG1093766
Carbon disulfide	U		0.101	0.500	1	04/04/2018 20:36	WG1093766
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:36	WG1093766
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:36	WG1093766
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:36	WG1093766
Chloroethane	U		0.141	2.50	1	04/04/2018 20:36	WG1093766
Chloroform	U		0.0860	0.500	1	04/04/2018 20:36	WG1093766
Chloromethane	U	J4	0.153	1.25	1	04/04/2018 20:36	WG1093766
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:36	WG1093766
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:36	WG1093766
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:36	WG1093766
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:36	WG1093766
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:36	WG1093766
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:36	WG1093766
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:36	WG1093766
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:36	WG1093766
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:36	WG1093766
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:36	WG1093766
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:36	WG1093766
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 20:36	WG1093766
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/04/2018 20:36	WG1093766
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 20:36	WG1093766
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:36	WG1093766
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:36	WG1093766
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:36	WG1093766
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:36	WG1093766
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:36	WG1093766
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:36	WG1093766
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:36	WG1093766
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:36	WG1093766
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:36	WG1093766
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:36	WG1093766
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:36	WG1093766
n-Hexane	U		0.305	5.00	1	04/04/2018 20:36	WG1093766
Iodomethane	U		0.377	10.0	1	04/04/2018 20:36	WG1093766
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:36	WG1093766
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:36	WG1093766
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:36	WG1093766
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:36	WG1093766
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:36	WG1093766
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:36	WG1093766
Naphthalene	U		0.174	2.50	1	04/04/2018 20:36	WG1093766
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:36	WG1093766
Styrene	U	J4	0.117	0.500	1	04/04/2018 20:36	WG1093766
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:36	WG1093766
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:36	WG1093766

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 20:36	WG1093766
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 20:36	WG1093766
Toluene	U		0.412	0.500	1	04/04/2018 20:36	WG1093766
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/04/2018 20:36	WG1093766
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 20:36	WG1093766
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 20:36	WG1093766
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 20:36	WG1093766
Trichloroethene	U		0.153	0.500	1	04/04/2018 20:36	WG1093766
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 20:36	WG1093766
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 20:36	WG1093766
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 20:36	WG1093766
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 20:36	WG1093766
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 20:36	WG1093766
Vinyl acetate	U		0.645	5.00	1	04/04/2018 20:36	WG1093766
Vinyl chloride	U		0.118	0.500	1	04/04/2018 20:36	WG1093766
Xylenes, Total	U		0.316	1.50	1	04/04/2018 20:36	WG1093766
(S) Toluene-d8	*98.9*			*80.0-120*		*04/04/2018 20:36*	WG1093766
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/04/2018 20:36*	WG1093766
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/04/2018 20:36*	WG1093766

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	04/06/2018 11:25	WG1094356

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0193 U	J	0.0108	0.0538	1	04/10/2018 12:03	WG1093771
Acrylonitrile	U		0.00193	0.0108	1	04/10/2018 12:03	WG1093771
Benzene	U		0.000291	0.00108	1	04/10/2018 12:03	WG1093771
Bromobenzene	U		0.000306	0.00108	1	04/10/2018 12:03	WG1093771
Bromodichloromethane	U		0.000274	0.00108	1	04/10/2018 12:03	WG1093771
Bromochloromethane	U		0.000420	0.00538	1	04/10/2018 12:03	WG1093771
Bromoform	U		0.000457	0.00108	1	04/10/2018 12:03	WG1093771
Bromomethane	U		0.00144	0.00538	1	04/10/2018 12:03	WG1093771
n-Butylbenzene	U		0.000278	0.00108	1	04/10/2018 12:03	WG1093771
sec-Butylbenzene	U		0.000216	0.00108	1	04/10/2018 12:03	WG1093771
tert-Butylbenzene	U		0.000222	0.00108	1	04/10/2018 12:03	WG1093771
Carbon disulfide	0.000480 J	J	0.000238	0.00108	1	04/10/2018 12:03	WG1093771
Carbon tetrachloride	U		0.000353	0.00108	1	04/10/2018 12:03	WG1093771
Chlorobenzene	U		0.000228	0.00108	1	04/10/2018 12:03	WG1093771
Chlorodibromomethane	U		0.000402	0.00108	1	04/10/2018 12:03	WG1093771
Chloroethane	U		0.00102	0.00538	1	04/10/2018 12:03	WG1093771
Chloroform	U		0.000247	0.00538	1	04/10/2018 12:03	WG1093771
Chloromethane	0.00101 J	J	0.000404	0.00269	1	04/10/2018 12:03	WG1093771
2-Chlorotoluene	U		0.000324	0.00108	1	04/10/2018 12:03	WG1093771
4-Chlorotoluene	U		0.000258	0.00108	1	04/10/2018 12:03	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	04/10/2018 12:03	WG1093771
1,2-Dibromoethane	U		0.000369	0.00108	1	04/10/2018 12:03	WG1093771
Dibromomethane	U		0.000411	0.00108	1	04/10/2018 12:03	WG1093771
1,2-Dichlorobenzene	U		0.000328	0.00108	1	04/10/2018 12:03	WG1093771
1,3-Dichlorobenzene	U		0.000257	0.00108	1	04/10/2018 12:03	WG1093771
1,4-Dichlorobenzene	U		0.000243	0.00108	1	04/10/2018 12:03	WG1093771
Dichlorodifluoromethane	U		0.000768	0.00538	1	04/10/2018 12:03	WG1093771
1,1-Dichloroethane	U		0.000214	0.00108	1	04/10/2018 12:03	WG1093771
1,2-Dichloroethane	U		0.000285	0.00108	1	04/10/2018 12:03	WG1093771
1,1-Dichloroethene	U		0.000326	0.00108	1	04/10/2018 12:03	WG1093771
cis-1,2-Dichloroethene	U		0.000253	0.00108	1	04/10/2018 12:03	WG1093771
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	04/10/2018 12:03	WG1093771
1,2-Dichloropropane	U		0.000386	0.00108	1	04/10/2018 12:03	WG1093771
1,1-Dichloropropene	U		0.000341	0.00108	1	04/10/2018 12:03	WG1093771
1,3-Dichloropropane	U		0.000223	0.00108	1	04/10/2018 12:03	WG1093771
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	04/10/2018 12:03	WG1093771
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/10/2018 12:03	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	04/10/2018 12:03	WG1093771
2,2-Dichloropropane	U		0.000300	0.00108	1	04/10/2018 12:03	WG1093771
Di-isopropyl ether	U		0.000267	0.00108	1	04/10/2018 12:03	WG1093771
Ethylbenzene	U		0.000320	0.00108	1	04/10/2018 12:03	WG1093771
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	04/10/2018 12:03	WG1093771
2-Hexanone	U		0.00148	0.0108	1	04/10/2018 12:03	WG1093771
n-Hexane	0.00203 J	J	0.000312	0.0108	1	04/10/2018 12:03	WG1093771
Iodomethane	U		0.00272	0.0108	1	04/10/2018 12:03	WG1093771
Isopropylbenzene	U		0.000262	0.00108	1	04/10/2018 12:03	WG1093771
p-Isopropyltoluene	U		0.000220	0.00108	1	04/10/2018 12:03	WG1093771
2-Butanone (MEK)	U		0.00504	0.0108	1	04/10/2018 12:03	WG1093771
Methylene Chloride	U		0.00108	0.00538	1	04/10/2018 12:03	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	04/10/2018 12:03	WG1093771

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Methyl tert-butyl ether	U		0.000228	0.00108	1	04/10/2018 12:03	WG1093771	
Naphthalene	U		0.00108	0.00538	1	04/10/2018 12:03	WG1093771	
n-Propylbenzene	U		0.000222	0.00108	1	04/10/2018 12:03	WG1093771	
Styrene	U		0.000252	0.00108	1	04/10/2018 12:03	WG1093771	
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	04/10/2018 12:03	WG1093771	
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	04/10/2018 12:03	WG1093771	
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	04/10/2018 12:03	WG1093771	
Tetrachloroethene	0.000377	J J	0.000297	0.00108	1	04/10/2018 12:03	WG1093771	
Toluene	U		0.000467	0.00538	1	04/10/2018 12:03	WG1093771	
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	04/10/2018 12:03	WG1093771	
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	04/10/2018 12:03	WG1093771	
1,1,1-Trichloroethane	U		0.000308	0.00108	1	04/10/2018 12:03	WG1093771	
1,1,2-Trichloroethane	U		0.000298	0.00108	1	04/10/2018 12:03	WG1093771	
Trichloroethene	U		0.000300	0.00108	1	04/10/2018 12:03	WG1093771	
Trichlorofluoromethane	U		0.000411	0.00538	1	04/10/2018 12:03	WG1093771	
1,2,3-Trichloropropane	U		0.000798	0.00269	1	04/10/2018 12:03	WG1093771	JC 4/25/18
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	04/10/2018 12:03	WG1093771	
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	04/10/2018 12:03	WG1093771	
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	04/10/2018 12:03	WG1093771	
Vinyl acetate	U		0.00257	0.0108	1	04/10/2018 12:03	WG1093771	
Vinyl chloride	U		0.000313	0.00108	1	04/10/2018 12:03	WG1093771	
Xylenes, Total	U		0.000752	0.00323	1	04/10/2018 12:03	WG1093771	
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2018 12:03*	WG1093771	
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/10/2018 12:03*	WG1093771	
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/10/2018 12:03*	WG1093771	

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

ANALYTICAL REPORT

April 10, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L982619
Samples Received:	04/03/2018
Project Number:	1413.001.05.601
Description:	

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

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

B-240-5 L982619-01 Solid

Collected by: Dan Johnson | Collected date/time: 04/02/18 09:28 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093997	1	04/05/18 14:03	04/05/18 14:11	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 09:28	04/05/18 06:27	RAS

B-240-10 L982619-02 Solid

Collected by: Dan Johnson | Collected date/time: 04/02/18 09:36 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094228	1	04/05/18 15:32	04/05/18 15:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 09:36	04/05/18 06:48	RAS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	25	04/02/18 09:36	04/10/18 11:35	ACG

B-240-15 L982619-03 Solid

Collected by: Dan Johnson | Collected date/time: 04/02/18 09:41 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094228	1	04/05/18 15:32	04/05/18 15:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 09:41	04/05/18 07:09	RAS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	5000	04/02/18 09:41	04/10/18 14:19	JHH

B-240-20 L982619-04 Solid

Collected by: Dan Johnson | Collected date/time: 04/02/18 09:48 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094228	1	04/05/18 15:32	04/05/18 15:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	1	04/02/18 09:48	04/05/18 07:30	RAS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093771	50	04/02/18 09:48	04/10/18 12:15	ACG

B-240-25 L982619-05 Solid

Collected by: Dan Johnson | Collected date/time: 04/02/18 09:57 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094228	1	04/05/18 15:32	04/05/18 15:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093369	50	04/02/18 09:57	04/06/18 19:19	BMB

B-240-30 L982619-06 Solid

Collected by: Dan Johnson | Collected date/time: 04/02/18 10:04 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094228	1	04/05/18 15:32	04/05/18 15:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093369	1	04/02/18 10:04	04/05/18 15:00	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093369	100	04/02/18 10:04	04/09/18 16:32	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093369	25	04/02/18 10:04	04/06/18 19:46	BMB

B-240-35 L982619-07 Solid

Collected by: Dan Johnson | Collected date/time: 04/02/18 10:11 | Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094228	1	04/05/18 15:32	04/05/18 15:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093369	1	04/02/18 10:11	04/05/18 15:20	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093369	50	04/02/18 10:11	04/06/18 20:08	BMB

B-240-42 L982619-08 Solid

Collected by: Dan Johnson
Collected date/time: 04/02/18 10:28
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094228	1	04/05/18 15:32	04/05/18 15:42	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093369	1	04/02/18 10:28	04/05/18 15:40	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093369	25	04/02/18 10:28	04/06/18 20:29	BMB

B-240-45 L982619-09 Solid

Collected by: Dan Johnson
Collected date/time: 04/02/18 10:34
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094226	1	04/05/18 16:06	04/05/18 16:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094372	1	04/02/18 10:34	04/06/18 23:45	JHH

B-240-50 L982619-10 Solid

Collected by: Dan Johnson
Collected date/time: 04/02/18 11:25
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094226	1	04/05/18 16:06	04/05/18 16:16	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094372	1	04/02/18 11:25	04/07/18 00:04	JHH

B-240-55 L982619-11 Solid

Collected by: Dan Johnson
Collected date/time: 04/02/18 11:43
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094226	1	04/05/18 16:06	04/05/18 16:16	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1093756	1	04/02/18 11:43	04/05/18 12:29	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094372	1	04/02/18 11:43	04/07/18 00:24	JHH

B-240-60 L982619-12 Solid

Collected by: Dan Johnson
Collected date/time: 04/02/18 11:51
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093989	1	04/05/18 12:23	04/05/18 12:36	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1093756	1	04/02/18 11:51	04/05/18 12:53	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094372	1	04/02/18 11:51	04/07/18 00:44	JHH

B-240-65 L982619-13 Solid

Collected by: Dan Johnson
Collected date/time: 04/02/18 12:05
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1093989	1	04/05/18 12:23	04/05/18 12:36	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1093756	1	04/02/18 12:05	04/05/18 13:17	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094372	1	04/02/18 12:05	04/07/18 01:04	JHH

B-240-70 L982619-14 Solid

Collected by: Dan Johnson
Collected date/time: 04/02/18 12:13
Received date/time: 04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094356	1	04/06/18 11:15	04/06/18 11:25	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1093756	1	04/02/18 12:13	04/05/18 14:03	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094372	1	04/02/18 12:13	04/07/18 01:23	JHH

B-240-75 L982619-15 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	04/02/18 12:22	04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094356	1	04/06/18 11:15	04/06/18 11:25	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1093756	1	04/02/18 12:22	04/05/18 14:27	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094372	1	04/02/18 12:22	04/07/18 01:43	JHH

B-240-80 L982619-16 Solid

Collected by	Collected date/time	Received date/time
Dan Johnson	04/02/18 12:31	04/03/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1094356	1	04/06/18 11:15	04/06/18 11:25	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1093756	1	04/02/18 12:31	04/05/18 15:07	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094372	1	04/02/18 12:31	04/07/18 02:03	JHH

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

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	04/05/2018 14:11	WG1093997

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0552	1	04/05/2018 06:27	WG1093771
Acrylonitrile	U		0.00198	0.0110	1	04/05/2018 06:27	WG1093771
Benzene	U		0.000298	0.00110	1	04/05/2018 06:27	WG1093771
Bromobenzene	U		0.000313	0.00110	1	04/05/2018 06:27	WG1093771
Bromodichloromethane	U		0.000280	0.00110	1	04/05/2018 06:27	WG1093771
Bromochloromethane	U		0.000430	0.00552	1	04/05/2018 06:27	WG1093771
Bromoform	U		0.000468	0.00110	1	04/05/2018 06:27	WG1093771
Bromomethane	U		0.00148	0.00552	1	04/05/2018 06:27	WG1093771
n-Butylbenzene	U		0.000285	0.00110	1	04/05/2018 06:27	WG1093771
sec-Butylbenzene	U		0.000222	0.00110	1	04/05/2018 06:27	WG1093771
tert-Butylbenzene	U		0.000227	0.00110	1	04/05/2018 06:27	WG1093771
Carbon disulfide	0.000247	J	0.000244	0.00110	1	04/05/2018 06:27	WG1093771
Carbon tetrachloride	U		0.000362	0.00110	1	04/05/2018 06:27	WG1093771
Chlorobenzene	U		0.000234	0.00110	1	04/05/2018 06:27	WG1093771
Chlorodibromomethane	U		0.000412	0.00110	1	04/05/2018 06:27	WG1093771
Chloroethane	U		0.00104	0.00552	1	04/05/2018 06:27	WG1093771
Chloroform	U		0.000253	0.00552	1	04/05/2018 06:27	WG1093771
Chloromethane	U		0.000414	0.00276	1	04/05/2018 06:27	WG1093771
2-Chlorotoluene	U		0.000332	0.00110	1	04/05/2018 06:27	WG1093771
4-Chlorotoluene	U		0.000265	0.00110	1	04/05/2018 06:27	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/05/2018 06:27	WG1093771
1,2-Dibromoethane	U		0.000378	0.00110	1	04/05/2018 06:27	WG1093771
Dibromomethane	U		0.000422	0.00110	1	04/05/2018 06:27	WG1093771
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/05/2018 06:27	WG1093771
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/05/2018 06:27	WG1093771
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/05/2018 06:27	WG1093771
Dichlorodifluoromethane	U		0.000787	0.00552	1	04/05/2018 06:27	WG1093771
1,1-Dichloroethane	U		0.000220	0.00110	1	04/05/2018 06:27	WG1093771
1,2-Dichloroethane	U		0.000292	0.00110	1	04/05/2018 06:27	WG1093771
1,1-Dichloroethene	U		0.000334	0.00110	1	04/05/2018 06:27	WG1093771
cis-1,2-Dichloroethene	0.00274		0.000259	0.00110	1	04/05/2018 06:27	WG1093771
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/05/2018 06:27	WG1093771
1,2-Dichloropropane	U		0.000395	0.00110	1	04/05/2018 06:27	WG1093771
1,1-Dichloropropene	U		0.000350	0.00110	1	04/05/2018 06:27	WG1093771
1,3-Dichloropropane	U		0.000228	0.00110	1	04/05/2018 06:27	WG1093771
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/05/2018 06:27	WG1093771
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/05/2018 06:27	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	04/05/2018 06:27	WG1093771
2,2-Dichloropropane	U		0.000308	0.00110	1	04/05/2018 06:27	WG1093771
Di-isopropyl ether	U		0.000274	0.00110	1	04/05/2018 06:27	WG1093771
Ethylbenzene	U		0.000328	0.00110	1	04/05/2018 06:27	WG1093771
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/05/2018 06:27	WG1093771
2-Hexanone	U		0.00151	0.0110	1	04/05/2018 06:27	WG1093771
n-Hexane	U		0.000320	0.0110	1	04/05/2018 06:27	WG1093771
Iodomethane	U		0.00279	0.0110	1	04/05/2018 06:27	WG1093771
Isopropylbenzene	U		0.000268	0.00110	1	04/05/2018 06:27	WG1093771
p-Isopropyltoluene	U		0.000225	0.00110	1	04/05/2018 06:27	WG1093771
2-Butanone (MEK)	U		0.00516	0.0110	1	04/05/2018 06:27	WG1093771
Methylene Chloride	U		0.00110	0.00552	1	04/05/2018 06:27	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/05/2018 06:27	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/05/2018 06:27	WG1093771
Naphthalene	U		0.00110	0.00552	1	04/05/2018 06:27	WG1093771
n-Propylbenzene	U		0.000227	0.00110	1	04/05/2018 06:27	WG1093771
Styrene	U		0.000258	0.00110	1	04/05/2018 06:27	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/05/2018 06:27	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/05/2018 06:27	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/05/2018 06:27	WG1093771
Tetrachloroethene	0.0231		0.000305	0.00110	1	04/05/2018 06:27	WG1093771
Toluene	U		0.000479	0.00552	1	04/05/2018 06:27	WG1093771
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/05/2018 06:27	WG1093771
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/05/2018 06:27	WG1093771
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/05/2018 06:27	WG1093771
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/05/2018 06:27	WG1093771
Trichloroethene	U		0.000308	0.00110	1	04/05/2018 06:27	WG1093771
Trichlorofluoromethane	U		0.000422	0.00552	1	04/05/2018 06:27	WG1093771
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/05/2018 06:27	WG1093771
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/05/2018 06:27	WG1093771
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/05/2018 06:27	WG1093771
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	04/05/2018 06:27	WG1093771
Vinyl acetate	U		0.00264	0.0110	1	04/05/2018 06:27	WG1093771
Vinyl chloride	U		0.000321	0.00110	1	04/05/2018 06:27	WG1093771
Xylenes, Total	U		0.000770	0.00331	1	04/05/2018 06:27	WG1093771
(S) Toluene-d8	*104*			*80.0-120*		*04/05/2018 06:27*	WG1093771
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/05/2018 06:27*	WG1093771
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/05/2018 06:27*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0551	1	04/05/2018 06:48	WG1093771
Acrylonitrile	U		0.00197	0.0110	1	04/05/2018 06:48	WG1093771
Benzene	0.000325	J	0.000298	0.00110	1	04/05/2018 06:48	WG1093771
Bromobenzene	U		0.000313	0.00110	1	04/05/2018 06:48	WG1093771
Bromodichloromethane	U		0.000280	0.00110	1	04/05/2018 06:48	WG1093771
Bromochloromethane	U		0.000430	0.00551	1	04/05/2018 06:48	WG1093771
Bromoform	U		0.000467	0.00110	1	04/05/2018 06:48	WG1093771
Bromomethane	U		0.00148	0.00551	1	04/05/2018 06:48	WG1093771
n-Butylbenzene	U		0.000284	0.00110	1	04/05/2018 06:48	WG1093771
sec-Butylbenzene	U		0.000222	0.00110	1	04/05/2018 06:48	WG1093771
tert-Butylbenzene	U		0.000227	0.00110	1	04/05/2018 06:48	WG1093771
Carbon disulfide	0.000576	J	0.000244	0.00110	1	04/05/2018 06:48	WG1093771
Carbon tetrachloride	U		0.000362	0.00110	1	04/05/2018 06:48	WG1093771
Chlorobenzene	U		0.000234	0.00110	1	04/05/2018 06:48	WG1093771
Chlorodibromomethane	U		0.000411	0.00110	1	04/05/2018 06:48	WG1093771
Chloroethane	U		0.00104	0.00551	1	04/05/2018 06:48	WG1093771
Chloroform	U		0.000252	0.00551	1	04/05/2018 06:48	WG1093771
Chloromethane	U		0.000413	0.00276	1	04/05/2018 06:48	WG1093771
2-Chlorotoluene	U		0.000332	0.00110	1	04/05/2018 06:48	WG1093771
4-Chlorotoluene	U		0.000265	0.00110	1	04/05/2018 06:48	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/05/2018 06:48	WG1093771
1,2-Dibromoethane	U		0.000378	0.00110	1	04/05/2018 06:48	WG1093771
Dibromomethane	U		0.000421	0.00110	1	04/05/2018 06:48	WG1093771
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/05/2018 06:48	WG1093771
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/05/2018 06:48	WG1093771
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/05/2018 06:48	WG1093771
Dichlorodifluoromethane	U		0.000786	0.00551	1	04/05/2018 06:48	WG1093771
1,1-Dichloroethane	U		0.000219	0.00110	1	04/05/2018 06:48	WG1093771
1,2-Dichloroethane	U		0.000292	0.00110	1	04/05/2018 06:48	WG1093771
1,1-Dichloroethene	U		0.000334	0.00110	1	04/05/2018 06:48	WG1093771
cis-1,2-Dichloroethene	0.0929		0.000259	0.00110	1	04/05/2018 06:48	WG1093771
trans-1,2-Dichloroethene	0.000635	J	0.000291	0.00110	1	04/05/2018 06:48	WG1093771
1,2-Dichloropropane	U		0.000395	0.00110	1	04/05/2018 06:48	WG1093771
1,1-Dichloropropene	U		0.000349	0.00110	1	04/05/2018 06:48	WG1093771
1,3-Dichloropropane	U		0.000228	0.00110	1	04/05/2018 06:48	WG1093771
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/05/2018 06:48	WG1093771
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/05/2018 06:48	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	04/05/2018 06:48	WG1093771
2,2-Dichloropropane	U		0.000308	0.00110	1	04/05/2018 06:48	WG1093771
Di-isopropyl ether	U		0.000273	0.00110	1	04/05/2018 06:48	WG1093771
Ethylbenzene	U		0.000327	0.00110	1	04/05/2018 06:48	WG1093771
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/05/2018 06:48	WG1093771
2-Hexanone	U		0.00151	0.0110	1	04/05/2018 06:48	WG1093771
n-Hexane	U		0.000320	0.0110	1	04/05/2018 06:48	WG1093771
Iodomethane	U		0.00279	0.0110	1	04/05/2018 06:48	WG1093771
Isopropylbenzene	U		0.000268	0.00110	1	04/05/2018 06:48	WG1093771
p-Isopropyltoluene	U		0.000225	0.00110	1	04/05/2018 06:48	WG1093771
2-Butanone (MEK)	U		0.00516	0.0110	1	04/05/2018 06:48	WG1093771
Methylene Chloride	U		0.00110	0.00551	1	04/05/2018 06:48	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/05/2018 06:48	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/05/2018 06:48	WG1093771
Naphthalene	U		0.00110	0.00551	1	04/05/2018 06:48	WG1093771
n-Propylbenzene	U		0.000227	0.00110	1	04/05/2018 06:48	WG1093771
Styrene	U		0.000258	0.00110	1	04/05/2018 06:48	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/05/2018 06:48	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/05/2018 06:48	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/05/2018 06:48	WG1093771
Tetrachloroethene	1.25		0.00761	0.0276	25	04/10/2018 11:35	WG1093771
Toluene	U		0.000478	0.00551	1	04/05/2018 06:48	WG1093771
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/05/2018 06:48	WG1093771
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/05/2018 06:48	WG1093771
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/05/2018 06:48	WG1093771
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/05/2018 06:48	WG1093771
Trichloroethene	0.0141		0.000308	0.00110	1	04/05/2018 06:48	WG1093771
Trichlorofluoromethane	U		0.000421	0.00551	1	04/05/2018 06:48	WG1093771
1,2,3-Trichloropropane	U		0.000817	0.00276	1	04/05/2018 06:48	WG1093771
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/05/2018 06:48	WG1093771
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/05/2018 06:48	WG1093771
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/05/2018 06:48	WG1093771
Vinyl acetate	U		0.00263	0.0110	1	04/05/2018 06:48	WG1093771
Vinyl chloride	0.0427		0.000321	0.00110	1	04/05/2018 06:48	WG1093771
Xylenes, Total	U		0.000770	0.00331	1	04/05/2018 06:48	WG1093771
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 06:48*	WG1093771
(S) Toluene-d8	*112*			*80.0-120*		*04/10/2018 11:35*	WG1093771
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*04/05/2018 06:48*	WG1093771
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*04/10/2018 11:35*	WG1093771
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*		*04/05/2018 06:48*	WG1093771
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*04/10/2018 11:35*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0574	1	04/05/2018 07:09	WG1093771
Acrylonitrile	U		0.00205	0.0115	1	04/05/2018 07:09	WG1093771
Benzene	U		0.000310	0.00115	1	04/05/2018 07:09	WG1093771
Bromobenzene	U		0.000326	0.00115	1	04/05/2018 07:09	WG1093771
Bromodichloromethane	U		0.000291	0.00115	1	04/05/2018 07:09	WG1093771
Bromochloromethane	U		0.000447	0.00574	1	04/05/2018 07:09	WG1093771
Bromoform	U		0.000486	0.00115	1	04/05/2018 07:09	WG1093771
Bromomethane	U		0.00154	0.00574	1	04/05/2018 07:09	WG1093771
n-Butylbenzene	U		0.000296	0.00115	1	04/05/2018 07:09	WG1093771
sec-Butylbenzene	U		0.000231	0.00115	1	04/05/2018 07:09	WG1093771
tert-Butylbenzene	U		0.000236	0.00115	1	04/05/2018 07:09	WG1093771
Carbon disulfide	U		0.000254	0.00115	1	04/05/2018 07:09	WG1093771
Carbon tetrachloride	U		0.000376	0.00115	1	04/05/2018 07:09	WG1093771
Chlorobenzene	U		0.000243	0.00115	1	04/05/2018 07:09	WG1093771
Chlorodibromomethane	U		0.000428	0.00115	1	04/05/2018 07:09	WG1093771
Chloroethane	U		0.00109	0.00574	1	04/05/2018 07:09	WG1093771
Chloroform	U		0.000263	0.00574	1	04/05/2018 07:09	WG1093771
Chloromethane	U		0.000430	0.00287	1	04/05/2018 07:09	WG1093771
2-Chlorotoluene	U		0.000345	0.00115	1	04/05/2018 07:09	WG1093771
4-Chlorotoluene	U		0.000275	0.00115	1	04/05/2018 07:09	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00574	1	04/05/2018 07:09	WG1093771
1,2-Dibromoethane	U		0.000394	0.00115	1	04/05/2018 07:09	WG1093771
Dibromomethane	U		0.000438	0.00115	1	04/05/2018 07:09	WG1093771
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/05/2018 07:09	WG1093771
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/05/2018 07:09	WG1093771
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/05/2018 07:09	WG1093771
Dichlorodifluoromethane	U		0.000818	0.00574	1	04/05/2018 07:09	WG1093771
1,1-Dichloroethane	U		0.000228	0.00115	1	04/05/2018 07:09	WG1093771
1,2-Dichloroethane	U		0.000304	0.00115	1	04/05/2018 07:09	WG1093771
1,1-Dichloroethene	0.000550	J	0.000348	0.00115	1	04/05/2018 07:09	WG1093771
cis-1,2-Dichloroethene	0.0785		0.000270	0.00115	1	04/05/2018 07:09	WG1093771
trans-1,2-Dichloroethene	0.000802	J	0.000303	0.00115	1	04/05/2018 07:09	WG1093771
1,2-Dichloropropane	U		0.000411	0.00115	1	04/05/2018 07:09	WG1093771
1,1-Dichloropropene	U		0.000364	0.00115	1	04/05/2018 07:09	WG1093771
1,3-Dichloropropane	U		0.000238	0.00115	1	04/05/2018 07:09	WG1093771
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/05/2018 07:09	WG1093771
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/05/2018 07:09	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	04/05/2018 07:09	WG1093771
2,2-Dichloropropane	U		0.000320	0.00115	1	04/05/2018 07:09	WG1093771
Di-isopropyl ether	U		0.000285	0.00115	1	04/05/2018 07:09	WG1093771
Ethylbenzene	U		0.000341	0.00115	1	04/05/2018 07:09	WG1093771
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/05/2018 07:09	WG1093771
2-Hexanone	U		0.00157	0.0115	1	04/05/2018 07:09	WG1093771
n-Hexane	U		0.000333	0.0115	1	04/05/2018 07:09	WG1093771
Iodomethane	U		0.00290	0.0115	1	04/05/2018 07:09	WG1093771
Isopropylbenzene	U		0.000279	0.00115	1	04/05/2018 07:09	WG1093771
p-Isopropyltoluene	U		0.000234	0.00115	1	04/05/2018 07:09	WG1093771
2-Butanone (MEK)	U		0.00537	0.0115	1	04/05/2018 07:09	WG1093771
Methylene Chloride	U		0.00115	0.00574	1	04/05/2018 07:09	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/05/2018 07:09	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/05/2018 07:09	WG1093771
Naphthalene	U		0.00115	0.00574	1	04/05/2018 07:09	WG1093771
n-Propylbenzene	U		0.000236	0.00115	1	04/05/2018 07:09	WG1093771
Styrene	U		0.000268	0.00115	1	04/05/2018 07:09	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/05/2018 07:09	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/05/2018 07:09	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/05/2018 07:09	WG1093771
Tetrachloroethene	53.7		1.58	5.74	5000	04/10/2018 14:19	WG1093771
Toluene	U		0.000498	0.00574	1	04/05/2018 07:09	WG1093771
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/05/2018 07:09	WG1093771
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	04/05/2018 07:09	WG1093771
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/05/2018 07:09	WG1093771
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/05/2018 07:09	WG1093771
Trichloroethene	0.118		0.000320	0.00115	1	04/05/2018 07:09	WG1093771
Trichlorofluoromethane	U		0.000438	0.00574	1	04/05/2018 07:09	WG1093771
1,2,3-Trichloropropane	U		0.000850	0.00287	1	04/05/2018 07:09	WG1093771
1,2,4-Trimethylbenzene	0.000382	J	0.000242	0.00115	1	04/05/2018 07:09	WG1093771
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/05/2018 07:09	WG1093771
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/05/2018 07:09	WG1093771
Vinyl acetate	U		0.00274	0.0115	1	04/05/2018 07:09	WG1093771
Vinyl chloride	0.00418		0.000334	0.00115	1	04/05/2018 07:09	WG1093771
Xylenes, Total	U		0.000801	0.00344	1	04/05/2018 07:09	WG1093771
(S) Toluene-d8	*110*			*80.0-120*		*04/10/2018 14:19*	WG1093771
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 07:09*	WG1093771
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*04/05/2018 07:09*	WG1093771
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/10/2018 14:19*	WG1093771
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*04/05/2018 07:09*	WG1093771
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/10/2018 14:19*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0116	0.0582	1	04/05/2018 07:30	WG1093771
Acrylonitrile	U		0.00208	0.0116	1	04/05/2018 07:30	WG1093771
Benzene	U		0.000314	0.00116	1	04/05/2018 07:30	WG1093771
Bromobenzene	U		0.000331	0.00116	1	04/05/2018 07:30	WG1093771
Bromodichloromethane	U		0.000296	0.00116	1	04/05/2018 07:30	WG1093771
Bromochloromethane	U		0.000454	0.00582	1	04/05/2018 07:30	WG1093771
Bromoform	U		0.000494	0.00116	1	04/05/2018 07:30	WG1093771
Bromomethane	U		0.00156	0.00582	1	04/05/2018 07:30	WG1093771
n-Butylbenzene	U		0.000300	0.00116	1	04/05/2018 07:30	WG1093771
sec-Butylbenzene	U		0.000234	0.00116	1	04/05/2018 07:30	WG1093771
tert-Butylbenzene	U		0.000240	0.00116	1	04/05/2018 07:30	WG1093771
Carbon disulfide	U		0.000257	0.00116	1	04/05/2018 07:30	WG1093771
Carbon tetrachloride	U		0.000382	0.00116	1	04/05/2018 07:30	WG1093771
Chlorobenzene	U		0.000247	0.00116	1	04/05/2018 07:30	WG1093771
Chlorodibromomethane	U		0.000434	0.00116	1	04/05/2018 07:30	WG1093771
Chloroethane	U		0.00110	0.00582	1	04/05/2018 07:30	WG1093771
Chloroform	U		0.000267	0.00582	1	04/05/2018 07:30	WG1093771
Chloromethane	U		0.000437	0.00291	1	04/05/2018 07:30	WG1093771
2-Chlorotoluene	U		0.000350	0.00116	1	04/05/2018 07:30	WG1093771
4-Chlorotoluene	U		0.000279	0.00116	1	04/05/2018 07:30	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	04/05/2018 07:30	WG1093771
1,2-Dibromoethane	U		0.000399	0.00116	1	04/05/2018 07:30	WG1093771
Dibromomethane	U		0.000445	0.00116	1	04/05/2018 07:30	WG1093771
1,2-Dichlorobenzene	U		0.000355	0.00116	1	04/05/2018 07:30	WG1093771
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/05/2018 07:30	WG1093771
1,4-Dichlorobenzene	U		0.000263	0.00116	1	04/05/2018 07:30	WG1093771
Dichlorodifluoromethane	U		0.000830	0.00582	1	04/05/2018 07:30	WG1093771
1,1-Dichloroethane	U		0.000232	0.00116	1	04/05/2018 07:30	WG1093771
1,2-Dichloroethane	U		0.000308	0.00116	1	04/05/2018 07:30	WG1093771
1,1-Dichloroethene	0.00112	J	0.000353	0.00116	1	04/05/2018 07:30	WG1093771
cis-1,2-Dichloroethene	0.142	V	0.000274	0.00116	1	04/05/2018 07:30	WG1093771
trans-1,2-Dichloroethene	0.000619	J	0.000307	0.00116	1	04/05/2018 07:30	WG1093771
1,2-Dichloropropane	U		0.000417	0.00116	1	04/05/2018 07:30	WG1093771
1,1-Dichloropropene	U		0.000369	0.00116	1	04/05/2018 07:30	WG1093771
1,3-Dichloropropane	U		0.000241	0.00116	1	04/05/2018 07:30	WG1093771
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	04/05/2018 07:30	WG1093771
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	04/05/2018 07:30	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	04/05/2018 07:30	WG1093771
2,2-Dichloropropane	U		0.000325	0.00116	1	04/05/2018 07:30	WG1093771
Di-isopropyl ether	U		0.000289	0.00116	1	04/05/2018 07:30	WG1093771
Ethylbenzene	U		0.000346	0.00116	1	04/05/2018 07:30	WG1093771
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	04/05/2018 07:30	WG1093771
2-Hexanone	U		0.00159	0.0116	1	04/05/2018 07:30	WG1093771
n-Hexane	U		0.000338	0.0116	1	04/05/2018 07:30	WG1093771
Iodomethane	U		0.00295	0.0116	1	04/05/2018 07:30	WG1093771
Isopropylbenzene	U		0.000283	0.00116	1	04/05/2018 07:30	WG1093771
p-Isopropyltoluene	U		0.000237	0.00116	1	04/05/2018 07:30	WG1093771
2-Butanone (MEK)	U		0.00545	0.0116	1	04/05/2018 07:30	WG1093771
Methylene Chloride	U		0.00116	0.00582	1	04/05/2018 07:30	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	04/05/2018 07:30	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	04/05/2018 07:30	WG1093771
Naphthalene	U		0.00116	0.00582	1	04/05/2018 07:30	WG1093771
n-Propylbenzene	U		0.000240	0.00116	1	04/05/2018 07:30	WG1093771
Styrene	U		0.000272	0.00116	1	04/05/2018 07:30	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/05/2018 07:30	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	04/05/2018 07:30	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	04/05/2018 07:30	WG1093771
Tetrachloroethene	6.75		0.0161	0.0582	50	04/10/2018 12:15	WG1093771
Toluene	U		0.000505	0.00582	1	04/05/2018 07:30	WG1093771
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	04/05/2018 07:30	WG1093771
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	04/05/2018 07:30	WG1093771
1,1,1-Trichloroethane	U		0.000333	0.00116	1	04/05/2018 07:30	WG1093771
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/05/2018 07:30	WG1093771
Trichloroethene	0.0715	J6	0.000325	0.00116	1	04/05/2018 07:30	WG1093771
Trichlorofluoromethane	U		0.000445	0.00582	1	04/05/2018 07:30	WG1093771
1,2,3-Trichloropropane	U		0.000863	0.00291	1	04/05/2018 07:30	WG1093771
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	04/05/2018 07:30	WG1093771
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	04/05/2018 07:30	WG1093771
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	04/05/2018 07:30	WG1093771
Vinyl acetate	U		0.00278	0.0116	1	04/05/2018 07:30	WG1093771
Vinyl chloride	0.0268		0.000339	0.00116	1	04/05/2018 07:30	WG1093771
Xylenes, Total	U		0.000813	0.00349	1	04/05/2018 07:30	WG1093771
(S) Toluene-d8	*113*			*80.0-120*		*04/10/2018 12:15*	WG1093771
(S) Toluene-d8	*103*			*80.0-120*		*04/05/2018 07:30*	WG1093771
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/10/2018 12:15*	WG1093771
(S) Dibromofluoromethane	*99.6*			*74.0-131*		*04/05/2018 07:30*	WG1093771
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/05/2018 07:30*	WG1093771
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/10/2018 12:15*	WG1093771

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.559	2.79	50	04/06/2018 19:19	WG1093369
Acrylonitrile	U		0.100	0.559	50	04/06/2018 19:19	WG1093369
Benzene	U		0.0151	0.0559	50	04/06/2018 19:19	WG1093369
Bromobenzene	U		0.0159	0.0559	50	04/06/2018 19:19	WG1093369
Bromodichloromethane	U		0.0142	0.0559	50	04/06/2018 19:19	WG1093369
Bromochloromethane	U		0.0218	0.279	50	04/06/2018 19:19	WG1093369
Bromoform	U		0.0237	0.0559	50	04/06/2018 19:19	WG1093369
Bromomethane	U		0.0748	0.279	50	04/06/2018 19:19	WG1093369
n-Butylbenzene	U		0.0144	0.0559	50	04/06/2018 19:19	WG1093369
sec-Butylbenzene	U		0.0112	0.0559	50	04/06/2018 19:19	WG1093369
tert-Butylbenzene	U		0.0115	0.0559	50	04/06/2018 19:19	WG1093369
Carbon disulfide	U		0.0123	0.0559	50	04/06/2018 19:19	WG1093369
Carbon tetrachloride	U		0.0183	0.0559	50	04/06/2018 19:19	WG1093369
Chlorobenzene	U		0.0118	0.0559	50	04/06/2018 19:19	WG1093369
Chlorodibromomethane	U		0.0208	0.0559	50	04/06/2018 19:19	WG1093369
Chloroethane	U		0.0528	0.279	50	04/06/2018 19:19	WG1093369
Chloroform	U		0.0127	0.279	50	04/06/2018 19:19	WG1093369
Chloromethane	U		0.0210	0.140	50	04/06/2018 19:19	WG1093369
2-Chlorotoluene	U		0.0168	0.0559	50	04/06/2018 19:19	WG1093369
4-Chlorotoluene	U		0.0134	0.0559	50	04/06/2018 19:19	WG1093369
1,2-Dibromo-3-Chloropropane	U		0.0586	0.279	50	04/06/2018 19:19	WG1093369
1,2-Dibromoethane	U		0.0192	0.0559	50	04/06/2018 19:19	WG1093369
Dibromomethane	U		0.0213	0.0559	50	04/06/2018 19:19	WG1093369
1,2-Dichlorobenzene	U		0.0170	0.0559	50	04/06/2018 19:19	WG1093369
1,3-Dichlorobenzene	U		0.0134	0.0559	50	04/06/2018 19:19	WG1093369
1,4-Dichlorobenzene	U		0.0126	0.0559	50	04/06/2018 19:19	WG1093369
Dichlorodifluoromethane	U		0.0398	0.279	50	04/06/2018 19:19	WG1093369
1,1-Dichloroethane	U		0.0111	0.0559	50	04/06/2018 19:19	WG1093369
1,2-Dichloroethane	U		0.0147	0.0559	50	04/06/2018 19:19	WG1093369
1,1-Dichloroethene	U		0.0170	0.0559	50	04/06/2018 19:19	WG1093369
cis-1,2-Dichloroethene	0.356		0.0132	0.0559	50	04/06/2018 19:19	WG1093369
trans-1,2-Dichloroethene	U		0.0147	0.0559	50	04/06/2018 19:19	WG1093369
1,2-Dichloropropane	U		0.0200	0.0559	50	04/06/2018 19:19	WG1093369
1,1-Dichloropropene	U		0.0177	0.0559	50	04/06/2018 19:19	WG1093369
1,3-Dichloropropane	U		0.0116	0.0559	50	04/06/2018 19:19	WG1093369
cis-1,3-Dichloropropene	U		0.0146	0.0559	50	04/06/2018 19:19	WG1093369
trans-1,3-Dichloropropene	U		0.0150	0.0559	50	04/06/2018 19:19	WG1093369
trans-1,4-Dichloro-2-butene	U		0.0435	0.140	50	04/06/2018 19:19	WG1093369
2,2-Dichloropropane	U		0.0156	0.0559	50	04/06/2018 19:19	WG1093369
Di-isopropyl ether	U		0.0139	0.0559	50	04/06/2018 19:19	WG1093369
Ethylbenzene	U		0.0165	0.0559	50	04/06/2018 19:19	WG1093369
Hexachloro-1,3-butadiene	U		0.0191	0.0559	50	04/06/2018 19:19	WG1093369
2-Hexanone	U		0.0765	0.559	50	04/06/2018 19:19	WG1093369
n-Hexane	U		0.0162	0.559	50	04/06/2018 19:19	WG1093369
Iodomethane	U		0.141	0.559	50	04/06/2018 19:19	WG1093369
Isopropylbenzene	U		0.0136	0.0559	50	04/06/2018 19:19	WG1093369
p-Isopropyltoluene	U		0.0114	0.0559	50	04/06/2018 19:19	WG1093369
2-Butanone (MEK)	U		0.261	0.559	50	04/06/2018 19:19	WG1093369
Methylene Chloride	U		0.0559	0.279	50	04/06/2018 19:19	WG1093369
4-Methyl-2-pentanone (MIBK)	U		0.105	0.559	50	04/06/2018 19:19	WG1093369

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0118	0.0559	50	04/06/2018 19:19	WG1093369
Naphthalene	U		0.0559	0.279	50	04/06/2018 19:19	WG1093369
n-Propylbenzene	U		0.0115	0.0559	50	04/06/2018 19:19	WG1093369
Styrene	U		0.0131	0.0559	50	04/06/2018 19:19	WG1093369
1,1,1,2-Tetrachloroethane	U		0.0147	0.0559	50	04/06/2018 19:19	WG1093369
1,1,2,2-Tetrachloroethane	U		0.0203	0.0559	50	04/06/2018 19:19	WG1093369
1,1,2-Trichlorotrifluoroethane	U		0.0203	0.0559	50	04/06/2018 19:19	WG1093369
Tetrachloroethene	5.18		0.0154	0.0559	50	04/06/2018 19:19	WG1093369
Toluene	U		0.0242	0.279	50	04/06/2018 19:19	WG1093369
1,2,3-Trichlorobenzene	U		0.0171	0.0559	50	04/06/2018 19:19	WG1093369
1,2,4-Trichlorobenzene	U		0.0217	0.0559	50	04/06/2018 19:19	WG1093369
1,1,1-Trichloroethane	U		0.0160	0.0559	50	04/06/2018 19:19	WG1093369
1,1,2-Trichloroethane	U		0.0154	0.0559	50	04/06/2018 19:19	WG1093369
Trichloroethene	0.214		0.0156	0.0559	50	04/06/2018 19:19	WG1093369
Trichlorofluoromethane	U		0.0213	0.279	50	04/06/2018 19:19	WG1093369
1,2,3-Trichloropropane	U		0.0413	0.140	50	04/06/2018 19:19	WG1093369
1,2,4-Trimethylbenzene	U		0.0118	0.0559	50	04/06/2018 19:19	WG1093369
1,2,3-Trimethylbenzene	U		0.0161	0.0559	50	04/06/2018 19:19	WG1093369
1,3,5-Trimethylbenzene	U		0.0149	0.0559	50	04/06/2018 19:19	WG1093369
Vinyl acetate	U		0.134	0.559	50	04/06/2018 19:19	WG1093369
Vinyl chloride	0.0421	J	0.0163	0.0559	50	04/06/2018 19:19	WG1093369
Xylenes, Total	U		0.0390	0.168	50	04/06/2018 19:19	WG1093369
(S) Toluene-d8	*110*			*80.0-120*		*04/06/2018 19:19*	WG1093369
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*04/06/2018 19:19*	WG1093369
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*04/06/2018 19:19*	WG1093369

Sample Narrative:

L982619-05 WG1093369: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0120	0.0602	1	04/05/2018 15:00	WG1093369
Acrylonitrile	U		0.00216	0.0120	1	04/05/2018 15:00	WG1093369
Benzene	U		0.000325	0.00120	1	04/05/2018 15:00	WG1093369
Bromobenzene	U		0.000342	0.00120	1	04/05/2018 15:00	WG1093369
Bromodichloromethane	U		0.000306	0.00120	1	04/05/2018 15:00	WG1093369
Bromochloromethane	U		0.000470	0.00602	1	04/05/2018 15:00	WG1093369
Bromoform	U	J0	0.000511	0.00120	1	04/05/2018 15:00	WG1093369
Bromomethane	U		0.00161	0.00602	1	04/05/2018 15:00	WG1093369
n-Butylbenzene	U		0.000311	0.00120	1	04/05/2018 15:00	WG1093369
sec-Butylbenzene	U		0.000242	0.00120	1	04/05/2018 15:00	WG1093369
tert-Butylbenzene	U		0.000248	0.00120	1	04/05/2018 15:00	WG1093369
Carbon disulfide	U		0.000266	0.00120	1	04/05/2018 15:00	WG1093369
Carbon tetrachloride	U		0.000395	0.00120	1	04/05/2018 15:00	WG1093369
Chlorobenzene	U		0.000255	0.00120	1	04/05/2018 15:00	WG1093369
Chlorodibromomethane	U		0.000449	0.00120	1	04/05/2018 15:00	WG1093369
Chloroethane	U		0.00114	0.00602	1	04/05/2018 15:00	WG1093369
Chloroform	U		0.000276	0.00602	1	04/05/2018 15:00	WG1093369
Chloromethane	U		0.000452	0.00301	1	04/05/2018 15:00	WG1093369
2-Chlorotoluene	U		0.000363	0.00120	1	04/05/2018 15:00	WG1093369
4-Chlorotoluene	U		0.000289	0.00120	1	04/05/2018 15:00	WG1093369
1,2-Dibromo-3-Chloropropane	U	J0	0.00126	0.00602	1	04/05/2018 15:00	WG1093369
1,2-Dibromoethane	U		0.000413	0.00120	1	04/05/2018 15:00	WG1093369
Dibromomethane	U		0.000460	0.00120	1	04/05/2018 15:00	WG1093369
1,2-Dichlorobenzene	U		0.000367	0.00120	1	04/05/2018 15:00	WG1093369
1,3-Dichlorobenzene	U		0.000288	0.00120	1	04/05/2018 15:00	WG1093369
1,4-Dichlorobenzene	U		0.000272	0.00120	1	04/05/2018 15:00	WG1093369
Dichlorodifluoromethane	U		0.000859	0.00602	1	04/05/2018 15:00	WG1093369
1,1-Dichloroethane	U		0.000240	0.00120	1	04/05/2018 15:00	WG1093369
1,2-Dichloroethane	U		0.000319	0.00120	1	04/05/2018 15:00	WG1093369
1,1-Dichloroethene	0.000805	J	0.000365	0.00120	1	04/05/2018 15:00	WG1093369
cis-1,2-Dichloroethene	0.578		0.00708	0.0301	25	04/06/2018 19:46	WG1093369
trans-1,2-Dichloroethene	0.00143		0.000318	0.00120	1	04/05/2018 15:00	WG1093369
1,2-Dichloropropane	U		0.000431	0.00120	1	04/05/2018 15:00	WG1093369
1,1-Dichloropropene	U		0.000382	0.00120	1	04/05/2018 15:00	WG1093369
1,3-Dichloropropane	U		0.000249	0.00120	1	04/05/2018 15:00	WG1093369
cis-1,3-Dichloropropene	U		0.000316	0.00120	1	04/05/2018 15:00	WG1093369
trans-1,3-Dichloropropene	U		0.000322	0.00120	1	04/05/2018 15:00	WG1093369
trans-1,4-Dichloro-2-butene	U		0.000937	0.00301	1	04/05/2018 15:00	WG1093369
2,2-Dichloropropane	U		0.000336	0.00120	1	04/05/2018 15:00	WG1093369
Di-isopropyl ether	U	J0	0.000299	0.00120	1	04/05/2018 15:00	WG1093369
Ethylbenzene	U		0.000358	0.00120	1	04/05/2018 15:00	WG1093369
Hexachloro-1,3-butadiene	U		0.000412	0.00120	1	04/05/2018 15:00	WG1093369
2-Hexanone	U		0.00165	0.0120	1	04/05/2018 15:00	WG1093369
n-Hexane	U		0.000349	0.0120	1	04/05/2018 15:00	WG1093369
Iodomethane	U		0.00305	0.0120	1	04/05/2018 15:00	WG1093369
Isopropylbenzene	U		0.000293	0.00120	1	04/05/2018 15:00	WG1093369
p-Isopropyltoluene	U		0.000246	0.00120	1	04/05/2018 15:00	WG1093369
2-Butanone (MEK)	U	J0	0.00564	0.0120	1	04/05/2018 15:00	WG1093369
Methylene Chloride	U		0.00120	0.00602	1	04/05/2018 15:00	WG1093369
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	04/05/2018 15:00	WG1093369

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	04/05/2018 15:00	WG1093369
Naphthalene	U		0.00120	0.00602	1	04/05/2018 15:00	WG1093369
n-Propylbenzene	U		0.000248	0.00120	1	04/05/2018 15:00	WG1093369
Styrene	U		0.000282	0.00120	1	04/05/2018 15:00	WG1093369
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	04/05/2018 15:00	WG1093369
1,1,2,2-Tetrachloroethane	U		0.000440	0.00120	1	04/05/2018 15:00	WG1093369
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00120	1	04/05/2018 15:00	WG1093369
Tetrachloroethene	5.51		0.0332	0.120	100	04/09/2018 16:32	WG1093369
Toluene	U		0.000523	0.00602	1	04/05/2018 15:00	WG1093369
1,2,3-Trichlorobenzene	U		0.000369	0.00120	1	04/05/2018 15:00	WG1093369
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	04/05/2018 15:00	WG1093369
1,1,1-Trichloroethane	U		0.000344	0.00120	1	04/05/2018 15:00	WG1093369
1,1,2-Trichloroethane	U		0.000334	0.00120	1	04/05/2018 15:00	WG1093369
Trichloroethene	0.352		0.00841	0.0301	25	04/06/2018 19:46	WG1093369
Trichlorofluoromethane	U		0.000460	0.00602	1	04/05/2018 15:00	WG1093369
1,2,3-Trichloropropane	U		0.000893	0.00301	1	04/05/2018 15:00	WG1093369
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	04/05/2018 15:00	WG1093369
1,2,3-Trimethylbenzene	U		0.000346	0.00120	1	04/05/2018 15:00	WG1093369
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	04/05/2018 15:00	WG1093369
Vinyl acetate	U		0.00288	0.0120	1	04/05/2018 15:00	WG1093369
Vinyl chloride	0.0480		0.000351	0.00120	1	04/05/2018 15:00	WG1093369
Xylenes, Total	U		0.000841	0.00361	1	04/05/2018 15:00	WG1093369
(S) Toluene-d8	*99.8*			*80.0-120*		*04/09/2018 16:32*	WG1093369
(S) Toluene-d8	*103*			*80.0-120*		*04/05/2018 15:00*	WG1093369
(S) Toluene-d8	*98.2*			*80.0-120*		*04/06/2018 19:46*	WG1093369
(S) Dibromofluoromethane	*107*			*74.0-131*		*04/09/2018 16:32*	WG1093369
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*04/06/2018 19:46*	WG1093369
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/05/2018 15:00*	WG1093369
(S) 4-Bromofluorobenzene	*97.6*			*64.0-132*		*04/06/2018 19:46*	WG1093369
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*		*04/05/2018 15:00*	WG1093369
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/09/2018 16:32*	WG1093369

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0120	0.0600	1	04/05/2018 15:20	WG1093369
Acrylonitrile	U		0.00215	0.0120	1	04/05/2018 15:20	WG1093369
Benzene	U		0.000324	0.00120	1	04/05/2018 15:20	WG1093369
Bromobenzene	U		0.000341	0.00120	1	04/05/2018 15:20	WG1093369
Bromodichloromethane	U		0.000305	0.00120	1	04/05/2018 15:20	WG1093369
Bromochloromethane	U		0.000468	0.00600	1	04/05/2018 15:20	WG1093369
Bromoform	U	J0	0.000509	0.00120	1	04/05/2018 15:20	WG1093369
Bromomethane	U		0.00161	0.00600	1	04/05/2018 15:20	WG1093369
n-Butylbenzene	U		0.000310	0.00120	1	04/05/2018 15:20	WG1093369
sec-Butylbenzene	U		0.000241	0.00120	1	04/05/2018 15:20	WG1093369
tert-Butylbenzene	U		0.000247	0.00120	1	04/05/2018 15:20	WG1093369
Carbon disulfide	U		0.000265	0.00120	1	04/05/2018 15:20	WG1093369
Carbon tetrachloride	U		0.000394	0.00120	1	04/05/2018 15:20	WG1093369
Chlorobenzene	U		0.000255	0.00120	1	04/05/2018 15:20	WG1093369
Chlorodibromomethane	U		0.000448	0.00120	1	04/05/2018 15:20	WG1093369
Chloroethane	U		0.00114	0.00600	1	04/05/2018 15:20	WG1093369
Chloroform	U		0.000275	0.00600	1	04/05/2018 15:20	WG1093369
Chloromethane	U		0.000450	0.00300	1	04/05/2018 15:20	WG1093369
2-Chlorotoluene	U		0.000361	0.00120	1	04/05/2018 15:20	WG1093369
4-Chlorotoluene	U		0.000288	0.00120	1	04/05/2018 15:20	WG1093369
1,2-Dibromo-3-Chloropropane	U	J0	0.00126	0.00600	1	04/05/2018 15:20	WG1093369
1,2-Dibromoethane	U		0.000412	0.00120	1	04/05/2018 15:20	WG1093369
Dibromomethane	U		0.000459	0.00120	1	04/05/2018 15:20	WG1093369
1,2-Dichlorobenzene	U		0.000366	0.00120	1	04/05/2018 15:20	WG1093369
1,3-Dichlorobenzene	U		0.000287	0.00120	1	04/05/2018 15:20	WG1093369
1,4-Dichlorobenzene	U		0.000271	0.00120	1	04/05/2018 15:20	WG1093369
Dichlorodifluoromethane	U		0.000856	0.00600	1	04/05/2018 15:20	WG1093369
1,1-Dichloroethane	U		0.000239	0.00120	1	04/05/2018 15:20	WG1093369
1,2-Dichloroethane	U		0.000318	0.00120	1	04/05/2018 15:20	WG1093369
1,1-Dichloroethene	0.000727	J	0.000364	0.00120	1	04/05/2018 15:20	WG1093369
cis-1,2-Dichloroethene	0.461		0.0142	0.0600	50	04/06/2018 20:08	WG1093369
trans-1,2-Dichloroethene	0.00131		0.000317	0.00120	1	04/05/2018 15:20	WG1093369
1,2-Dichloropropane	U		0.000430	0.00120	1	04/05/2018 15:20	WG1093369
1,1-Dichloropropene	U		0.000381	0.00120	1	04/05/2018 15:20	WG1093369
1,3-Dichloropropane	U		0.000249	0.00120	1	04/05/2018 15:20	WG1093369
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	04/05/2018 15:20	WG1093369
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	04/05/2018 15:20	WG1093369
trans-1,4-Dichloro-2-butene	U		0.000934	0.00300	1	04/05/2018 15:20	WG1093369
2,2-Dichloropropane	U		0.000335	0.00120	1	04/05/2018 15:20	WG1093369
Di-isopropyl ether	U	J0	0.000298	0.00120	1	04/05/2018 15:20	WG1093369
Ethylbenzene	U		0.000357	0.00120	1	04/05/2018 15:20	WG1093369
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	04/05/2018 15:20	WG1093369
2-Hexanone	U		0.00165	0.0120	1	04/05/2018 15:20	WG1093369
n-Hexane	0.00211	J	0.000348	0.0120	1	04/05/2018 15:20	WG1093369
Iodomethane	U		0.00304	0.0120	1	04/05/2018 15:20	WG1093369
Isopropylbenzene	U		0.000292	0.00120	1	04/05/2018 15:20	WG1093369
p-Isopropyltoluene	U		0.000245	0.00120	1	04/05/2018 15:20	WG1093369
2-Butanone (MEK)	U	J0	0.00562	0.0120	1	04/05/2018 15:20	WG1093369
Methylene Chloride	U		0.00120	0.00600	1	04/05/2018 15:20	WG1093369
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	04/05/2018 15:20	WG1093369

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	04/05/2018 15:20	WG1093369
Naphthalene	U		0.00120	0.00600	1	04/05/2018 15:20	WG1093369
n-Propylbenzene	U		0.000247	0.00120	1	04/05/2018 15:20	WG1093369
Styrene	U		0.000281	0.00120	1	04/05/2018 15:20	WG1093369
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	04/05/2018 15:20	WG1093369
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	04/05/2018 15:20	WG1093369
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1	04/05/2018 15:20	WG1093369
Tetrachloroethene	5.53		0.0166	0.0600	50	04/06/2018 20:08	WG1093369
Toluene	U		0.000521	0.00600	1	04/05/2018 15:20	WG1093369
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	04/05/2018 15:20	WG1093369
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	04/05/2018 15:20	WG1093369
1,1,1-Trichloroethane	U		0.000343	0.00120	1	04/05/2018 15:20	WG1093369
1,1,2-Trichloroethane	U		0.000333	0.00120	1	04/05/2018 15:20	WG1093369
Trichloroethene	0.290		0.0168	0.0600	50	04/06/2018 20:08	WG1093369
Trichlorofluoromethane	U		0.000459	0.00600	1	04/05/2018 15:20	WG1093369
1,2,3-Trichloropropane	U		0.000890	0.00300	1	04/05/2018 15:20	WG1093369
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	04/05/2018 15:20	WG1093369
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	04/05/2018 15:20	WG1093369
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	04/05/2018 15:20	WG1093369
Vinyl acetate	U		0.00287	0.0120	1	04/05/2018 15:20	WG1093369
Vinyl chloride	0.0447		0.000349	0.00120	1	04/05/2018 15:20	WG1093369
Xylenes, Total	U		0.000838	0.00360	1	04/05/2018 15:20	WG1093369
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2018 20:08*	WG1093369
(S) Toluene-d8	*105*			*80.0-120*		*04/05/2018 15:20*	WG1093369
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/05/2018 15:20*	WG1093369
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*04/06/2018 20:08*	WG1093369
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/06/2018 20:08*	WG1093369
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*04/05/2018 15:20*	WG1093369

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0108	0.0538	1	04/05/2018 15:40	WG1093369
Acrylonitrile	U		0.00193	0.0108	1	04/05/2018 15:40	WG1093369
Benzene	U		0.000291	0.00108	1	04/05/2018 15:40	WG1093369
Bromobenzene	U		0.000306	0.00108	1	04/05/2018 15:40	WG1093369
Bromodichloromethane	U		0.000273	0.00108	1	04/05/2018 15:40	WG1093369
Bromochloromethane	U		0.000420	0.00538	1	04/05/2018 15:40	WG1093369
Bromoform	U	J0	0.000456	0.00108	1	04/05/2018 15:40	WG1093369
Bromomethane	U		0.00144	0.00538	1	04/05/2018 15:40	WG1093369
n-Butylbenzene	U		0.000278	0.00108	1	04/05/2018 15:40	WG1093369
sec-Butylbenzene	U		0.000216	0.00108	1	04/05/2018 15:40	WG1093369
tert-Butylbenzene	U		0.000222	0.00108	1	04/05/2018 15:40	WG1093369
Carbon disulfide	U		0.000238	0.00108	1	04/05/2018 15:40	WG1093369
Carbon tetrachloride	U		0.000353	0.00108	1	04/05/2018 15:40	WG1093369
Chlorobenzene	U		0.000228	0.00108	1	04/05/2018 15:40	WG1093369
Chlorodibromomethane	U		0.000402	0.00108	1	04/05/2018 15:40	WG1093369
Chloroethane	U		0.00102	0.00538	1	04/05/2018 15:40	WG1093369
Chloroform	U		0.000247	0.00538	1	04/05/2018 15:40	WG1093369
Chloromethane	U		0.000404	0.00269	1	04/05/2018 15:40	WG1093369
2-Chlorotoluene	U		0.000324	0.00108	1	04/05/2018 15:40	WG1093369
4-Chlorotoluene	U		0.000258	0.00108	1	04/05/2018 15:40	WG1093369
1,2-Dibromo-3-Chloropropane	U	J0	0.00113	0.00538	1	04/05/2018 15:40	WG1093369
1,2-Dibromoethane	U		0.000369	0.00108	1	04/05/2018 15:40	WG1093369
Dibromomethane	U		0.000411	0.00108	1	04/05/2018 15:40	WG1093369
1,2-Dichlorobenzene	U		0.000328	0.00108	1	04/05/2018 15:40	WG1093369
1,3-Dichlorobenzene	U		0.000257	0.00108	1	04/05/2018 15:40	WG1093369
1,4-Dichlorobenzene	U		0.000243	0.00108	1	04/05/2018 15:40	WG1093369
Dichlorodifluoromethane	U		0.000768	0.00538	1	04/05/2018 15:40	WG1093369
1,1-Dichloroethane	U		0.000214	0.00108	1	04/05/2018 15:40	WG1093369
1,2-Dichloroethane	U		0.000285	0.00108	1	04/05/2018 15:40	WG1093369
1,1-Dichloroethene	U		0.000326	0.00108	1	04/05/2018 15:40	WG1093369
cis-1,2-Dichloroethene	0.00863	J	0.00633	0.0269	25	04/06/2018 20:29	WG1093369
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	04/05/2018 15:40	WG1093369
1,2-Dichloropropane	U		0.000385	0.00108	1	04/05/2018 15:40	WG1093369
1,1-Dichloropropene	U		0.000341	0.00108	1	04/05/2018 15:40	WG1093369
1,3-Dichloropropane	U		0.000223	0.00108	1	04/05/2018 15:40	WG1093369
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	04/05/2018 15:40	WG1093369
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	04/05/2018 15:40	WG1093369
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	04/05/2018 15:40	WG1093369
2,2-Dichloropropane	U		0.000300	0.00108	1	04/05/2018 15:40	WG1093369
Di-isopropyl ether	U	J0	0.000267	0.00108	1	04/05/2018 15:40	WG1093369
Ethylbenzene	U	J3	0.000320	0.00108	1	04/05/2018 15:40	WG1093369
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	04/05/2018 15:40	WG1093369
2-Hexanone	U	J3	0.00147	0.0108	1	04/05/2018 15:40	WG1093369
n-Hexane	U		0.000312	0.0108	1	04/05/2018 15:40	WG1093369
Iodomethane	U		0.00272	0.0108	1	04/05/2018 15:40	WG1093369
Isopropylbenzene	U		0.000262	0.00108	1	04/05/2018 15:40	WG1093369
p-Isopropyltoluene	U		0.000220	0.00108	1	04/05/2018 15:40	WG1093369
2-Butanone (MEK)	U	J0	0.00504	0.0108	1	04/05/2018 15:40	WG1093369
Methylene Chloride	U		0.00108	0.00538	1	04/05/2018 15:40	WG1093369
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	04/05/2018 15:40	WG1093369

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	04/05/2018 15:40	WG1093369
Naphthalene	U	J3	0.00108	0.00538	1	04/05/2018 15:40	WG1093369
n-Propylbenzene	U		0.000222	0.00108	1	04/05/2018 15:40	WG1093369
Styrene	U		0.000252	0.00108	1	04/05/2018 15:40	WG1093369
1,1,1,2-Tetrachloroethane	U	J3	0.000284	0.00108	1	04/05/2018 15:40	WG1093369
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	04/05/2018 15:40	WG1093369
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	04/05/2018 15:40	WG1093369
Tetrachloroethene	0.204		0.00743	0.0269	25	04/06/2018 20:29	WG1093369
Toluene	U		0.000467	0.00538	1	04/05/2018 15:40	WG1093369
1,2,3-Trichlorobenzene	U	J3	0.000329	0.00108	1	04/05/2018 15:40	WG1093369
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	04/05/2018 15:40	WG1093369
1,1,1-Trichloroethane	U		0.000308	0.00108	1	04/05/2018 15:40	WG1093369
1,1,2-Trichloroethane	U		0.000298	0.00108	1	04/05/2018 15:40	WG1093369
Trichloroethene	U		0.00751	0.0269	25	04/06/2018 20:29	WG1093369
Trichlorofluoromethane	U	J3	0.000411	0.00538	1	04/05/2018 15:40	WG1093369
1,2,3-Trichloropropane	U		0.000798	0.00269	1	04/05/2018 15:40	WG1093369
1,2,4-Trimethylbenzene	U	J3 J5	0.000227	0.00108	1	04/05/2018 15:40	WG1093369
1,2,3-Trimethylbenzene	U	J3 J5	0.000309	0.00108	1	04/05/2018 15:40	WG1093369
1,3,5-Trimethylbenzene	U	J3	0.000286	0.00108	1	04/05/2018 15:40	WG1093369
Vinyl acetate	U	J6	0.00257	0.0108	1	04/05/2018 15:40	WG1093369
Vinyl chloride	0.00225		0.000313	0.00108	1	04/05/2018 15:40	WG1093369
Xylenes, Total	U	J3	0.000751	0.00323	1	04/05/2018 15:40	WG1093369
(S) Toluene-d8	*102*			*80.0-120*		*04/05/2018 15:40*	WG1093369
(S) Toluene-d8	*110*			*80.0-120*		*04/06/2018 20:29*	WG1093369
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/05/2018 15:40*	WG1093369
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*04/06/2018 20:29*	WG1093369
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*04/05/2018 15:40*	WG1093369
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*04/06/2018 20:29*	WG1093369

Sample Narrative:

L982619-08 WG1093369: TCE is not reportable from the 1x due to possible carryover.

L982619-08 WG1093369: TCE cannot be reanalyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	04/05/2018 16:16	WG1094226

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0106	0.0530	1	04/06/2018 23:45	WG1094372
Acrylonitrile	U		0.00190	0.0106	1	04/06/2018 23:45	WG1094372
Benzene	U		0.000286	0.00106	1	04/06/2018 23:45	WG1094372
Bromobenzene	U		0.000301	0.00106	1	04/06/2018 23:45	WG1094372
Bromodichloromethane	U	J0	0.000269	0.00106	1	04/06/2018 23:45	WG1094372
Bromochloromethane	U		0.000414	0.00530	1	04/06/2018 23:45	WG1094372
Bromoform	U	J0	0.000450	0.00106	1	04/06/2018 23:45	WG1094372
Bromomethane	U		0.00142	0.00530	1	04/06/2018 23:45	WG1094372
n-Butylbenzene	U		0.000274	0.00106	1	04/06/2018 23:45	WG1094372
sec-Butylbenzene	U		0.000213	0.00106	1	04/06/2018 23:45	WG1094372
tert-Butylbenzene	U		0.000218	0.00106	1	04/06/2018 23:45	WG1094372
Carbon disulfide	U	J0	0.000234	0.00106	1	04/06/2018 23:45	WG1094372
Carbon tetrachloride	U		0.000348	0.00106	1	04/06/2018 23:45	WG1094372
Chlorobenzene	U		0.000225	0.00106	1	04/06/2018 23:45	WG1094372
Chlorodibromomethane	U		0.000396	0.00106	1	04/06/2018 23:45	WG1094372
Chloroethane	U		0.00100	0.00530	1	04/06/2018 23:45	WG1094372
Chloroform	U		0.000243	0.00530	1	04/06/2018 23:45	WG1094372
Chloromethane	U	J0	0.000398	0.00265	1	04/06/2018 23:45	WG1094372
2-Chlorotoluene	U		0.000319	0.00106	1	04/06/2018 23:45	WG1094372
4-Chlorotoluene	U		0.000254	0.00106	1	04/06/2018 23:45	WG1094372
1,2-Dibromo-3-Chloropropane	U	J0	0.00111	0.00530	1	04/06/2018 23:45	WG1094372
1,2-Dibromoethane	U		0.000364	0.00106	1	04/06/2018 23:45	WG1094372
Dibromomethane	U		0.000405	0.00106	1	04/06/2018 23:45	WG1094372
1,2-Dichlorobenzene	U		0.000323	0.00106	1	04/06/2018 23:45	WG1094372
1,3-Dichlorobenzene	U		0.000253	0.00106	1	04/06/2018 23:45	WG1094372
1,4-Dichlorobenzene	U		0.000240	0.00106	1	04/06/2018 23:45	WG1094372
Dichlorodifluoromethane	U		0.000756	0.00530	1	04/06/2018 23:45	WG1094372
1,1-Dichloroethane	U		0.000211	0.00106	1	04/06/2018 23:45	WG1094372
1,2-Dichloroethane	U		0.000281	0.00106	1	04/06/2018 23:45	WG1094372
1,1-Dichloroethene	U		0.000321	0.00106	1	04/06/2018 23:45	WG1094372
cis-1,2-Dichloroethene	0.000371	J	0.000249	0.00106	1	04/06/2018 23:45	WG1094372
trans-1,2-Dichloroethene	U		0.000280	0.00106	1	04/06/2018 23:45	WG1094372
1,2-Dichloropropane	U		0.000380	0.00106	1	04/06/2018 23:45	WG1094372
1,1-Dichloropropene	U		0.000336	0.00106	1	04/06/2018 23:45	WG1094372
1,3-Dichloropropane	U		0.000219	0.00106	1	04/06/2018 23:45	WG1094372
cis-1,3-Dichloropropene	U		0.000278	0.00106	1	04/06/2018 23:45	WG1094372
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	04/06/2018 23:45	WG1094372
trans-1,4-Dichloro-2-butene	U	J0	0.000825	0.00265	1	04/06/2018 23:45	WG1094372
2,2-Dichloropropane	U		0.000296	0.00106	1	04/06/2018 23:45	WG1094372
Di-isopropyl ether	U	J0	0.000263	0.00106	1	04/06/2018 23:45	WG1094372
Ethylbenzene	U		0.000315	0.00106	1	04/06/2018 23:45	WG1094372
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	04/06/2018 23:45	WG1094372
2-Hexanone	U		0.00145	0.0106	1	04/06/2018 23:45	WG1094372
n-Hexane	U	J0	0.000308	0.0106	1	04/06/2018 23:45	WG1094372
Iodomethane	U		0.00268	0.0106	1	04/06/2018 23:45	WG1094372
Isopropylbenzene	U		0.000258	0.00106	1	04/06/2018 23:45	WG1094372
p-Isopropyltoluene	U		0.000216	0.00106	1	04/06/2018 23:45	WG1094372
2-Butanone (MEK)	U	J0	0.00496	0.0106	1	04/06/2018 23:45	WG1094372
Methylene Chloride	U		0.00106	0.00530	1	04/06/2018 23:45	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	04/06/2018 23:45	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000225	0.00106	1	04/06/2018 23:45	WG1094372
Naphthalene	U		0.00106	0.00530	1	04/06/2018 23:45	WG1094372
n-Propylbenzene	U		0.000218	0.00106	1	04/06/2018 23:45	WG1094372
Styrene	U		0.000248	0.00106	1	04/06/2018 23:45	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	04/06/2018 23:45	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	04/06/2018 23:45	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	04/06/2018 23:45	WG1094372
Tetrachloroethene	0.00137		0.000293	0.00106	1	04/06/2018 23:45	WG1094372
Toluene	U		0.000460	0.00530	1	04/06/2018 23:45	WG1094372
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	04/06/2018 23:45	WG1094372
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	04/06/2018 23:45	WG1094372
1,1,1-Trichloroethane	U		0.000303	0.00106	1	04/06/2018 23:45	WG1094372
1,1,2-Trichloroethane	U		0.000294	0.00106	1	04/06/2018 23:45	WG1094372
Trichloroethene	U		0.000296	0.00106	1	04/06/2018 23:45	WG1094372
Trichlorofluoromethane	U		0.000405	0.00530	1	04/06/2018 23:45	WG1094372
1,2,3-Trichloropropane	U		0.000786	0.00265	1	04/06/2018 23:45	WG1094372
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	04/06/2018 23:45	WG1094372
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	04/06/2018 23:45	WG1094372
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	04/06/2018 23:45	WG1094372
Vinyl acetate	U	J0	0.00253	0.0106	1	04/06/2018 23:45	WG1094372
Vinyl chloride	U		0.000309	0.00106	1	04/06/2018 23:45	WG1094372
Xylenes, Total	U		0.000740	0.00318	1	04/06/2018 23:45	WG1094372
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2018 23:45*	WG1094372
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 23:45*	WG1094372
(S) 4-Bromofluorobenzene	*93.8*			*64.0-132*		*04/06/2018 23:45*	WG1094372

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	04/05/2018 16:16	WG1094226

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0113	0.0563	1	04/07/2018 00:04	WG1094372
Acrylonitrile	U		0.00202	0.0113	1	04/07/2018 00:04	WG1094372
Benzene	U		0.000304	0.00113	1	04/07/2018 00:04	WG1094372
Bromobenzene	U		0.000320	0.00113	1	04/07/2018 00:04	WG1094372
Bromodichloromethane	U	J0	0.000286	0.00113	1	04/07/2018 00:04	WG1094372
Bromochloromethane	U		0.000439	0.00563	1	04/07/2018 00:04	WG1094372
Bromoform	U	J0	0.000477	0.00113	1	04/07/2018 00:04	WG1094372
Bromomethane	U		0.00151	0.00563	1	04/07/2018 00:04	WG1094372
n-Butylbenzene	U		0.000291	0.00113	1	04/07/2018 00:04	WG1094372
sec-Butylbenzene	U		0.000226	0.00113	1	04/07/2018 00:04	WG1094372
tert-Butylbenzene	U		0.000232	0.00113	1	04/07/2018 00:04	WG1094372
Carbon disulfide	U	J0	0.000249	0.00113	1	04/07/2018 00:04	WG1094372
Carbon tetrachloride	U		0.000369	0.00113	1	04/07/2018 00:04	WG1094372
Chlorobenzene	U		0.000239	0.00113	1	04/07/2018 00:04	WG1094372
Chlorodibromomethane	U		0.000420	0.00113	1	04/07/2018 00:04	WG1094372
Chloroethane	U		0.00107	0.00563	1	04/07/2018 00:04	WG1094372
Chloroform	U		0.000258	0.00563	1	04/07/2018 00:04	WG1094372
Chloromethane	U	J0	0.000422	0.00282	1	04/07/2018 00:04	WG1094372
2-Chlorotoluene	U		0.000339	0.00113	1	04/07/2018 00:04	WG1094372
4-Chlorotoluene	U		0.000270	0.00113	1	04/07/2018 00:04	WG1094372
1,2-Dibromo-3-Chloropropane	U	J0	0.00118	0.00563	1	04/07/2018 00:04	WG1094372
1,2-Dibromoethane	U		0.000386	0.00113	1	04/07/2018 00:04	WG1094372
Dibromomethane	U		0.000430	0.00113	1	04/07/2018 00:04	WG1094372
1,2-Dichlorobenzene	U		0.000343	0.00113	1	04/07/2018 00:04	WG1094372
1,3-Dichlorobenzene	U		0.000269	0.00113	1	04/07/2018 00:04	WG1094372
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/07/2018 00:04	WG1094372
Dichlorodifluoromethane	U		0.000803	0.00563	1	04/07/2018 00:04	WG1094372
1,1-Dichloroethane	U		0.000224	0.00113	1	04/07/2018 00:04	WG1094372
1,2-Dichloroethane	U		0.000298	0.00113	1	04/07/2018 00:04	WG1094372
1,1-Dichloroethene	U		0.000341	0.00113	1	04/07/2018 00:04	WG1094372
cis-1,2-Dichloroethene	U		0.000265	0.00113	1	04/07/2018 00:04	WG1094372
trans-1,2-Dichloroethene	U		0.000297	0.00113	1	04/07/2018 00:04	WG1094372
1,2-Dichloropropane	U		0.000403	0.00113	1	04/07/2018 00:04	WG1094372
1,1-Dichloropropene	U		0.000357	0.00113	1	04/07/2018 00:04	WG1094372
1,3-Dichloropropane	U		0.000233	0.00113	1	04/07/2018 00:04	WG1094372
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	04/07/2018 00:04	WG1094372
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	04/07/2018 00:04	WG1094372
trans-1,4-Dichloro-2-butene	U	J0	0.000876	0.00282	1	04/07/2018 00:04	WG1094372
2,2-Dichloropropane	U		0.000314	0.00113	1	04/07/2018 00:04	WG1094372
Di-isopropyl ether	U	J0	0.000279	0.00113	1	04/07/2018 00:04	WG1094372
Ethylbenzene	U		0.000334	0.00113	1	04/07/2018 00:04	WG1094372
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	04/07/2018 00:04	WG1094372
2-Hexanone	U		0.00154	0.0113	1	04/07/2018 00:04	WG1094372
n-Hexane	U	J0	0.000327	0.0113	1	04/07/2018 00:04	WG1094372
Iodomethane	U		0.00285	0.0113	1	04/07/2018 00:04	WG1094372
Isopropylbenzene	U		0.000274	0.00113	1	04/07/2018 00:04	WG1094372
p-Isopropyltoluene	U		0.000230	0.00113	1	04/07/2018 00:04	WG1094372
2-Butanone (MEK)	U	J0	0.00527	0.0113	1	04/07/2018 00:04	WG1094372
Methylene Chloride	U		0.00113	0.00563	1	04/07/2018 00:04	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/07/2018 00:04	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/07/2018 00:04	WG1094372
Naphthalene	U		0.00113	0.00563	1	04/07/2018 00:04	WG1094372
n-Propylbenzene	U		0.000232	0.00113	1	04/07/2018 00:04	WG1094372
Styrene	U		0.000264	0.00113	1	04/07/2018 00:04	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	04/07/2018 00:04	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/07/2018 00:04	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/07/2018 00:04	WG1094372
Tetrachloroethene	U		0.000311	0.00113	1	04/07/2018 00:04	WG1094372
Toluene	U		0.000489	0.00563	1	04/07/2018 00:04	WG1094372
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	04/07/2018 00:04	WG1094372
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	04/07/2018 00:04	WG1094372
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/07/2018 00:04	WG1094372
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/07/2018 00:04	WG1094372
Trichloroethene	U		0.000314	0.00113	1	04/07/2018 00:04	WG1094372
Trichlorofluoromethane	U		0.000430	0.00563	1	04/07/2018 00:04	WG1094372
1,2,3-Trichloropropane	U		0.000834	0.00282	1	04/07/2018 00:04	WG1094372
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/07/2018 00:04	WG1094372
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/07/2018 00:04	WG1094372
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/07/2018 00:04	WG1094372
Vinyl acetate	U	J0	0.00269	0.0113	1	04/07/2018 00:04	WG1094372
Vinyl chloride	U		0.000328	0.00113	1	04/07/2018 00:04	WG1094372
Xylenes, Total	U		0.000786	0.00338	1	04/07/2018 00:04	WG1094372
(S) Toluene-d8	*102*			*80.0-120*		*04/07/2018 00:04*	WG1094372
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/07/2018 00:04*	WG1094372
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*04/07/2018 00:04*	WG1094372

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	04/05/2018 16:16	WG1094226

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.376		0.0393	0.116	1	04/05/2018 12:29	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*114*			*77.0-120*		*04/05/2018 12:29*	WG1093756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0116	0.0580	1	04/07/2018 00:24	WG1094372
Acrylonitrile	U		0.00208	0.0116	1	04/07/2018 00:24	WG1094372
Benzene	U		0.000313	0.00116	1	04/07/2018 00:24	WG1094372
Bromobenzene	U		0.000329	0.00116	1	04/07/2018 00:24	WG1094372
Bromodichloromethane	U	J0	0.000295	0.00116	1	04/07/2018 00:24	WG1094372
Bromochloromethane	U		0.000452	0.00580	1	04/07/2018 00:24	WG1094372
Bromoform	U	J0	0.000492	0.00116	1	04/07/2018 00:24	WG1094372
Bromomethane	U		0.00155	0.00580	1	04/07/2018 00:24	WG1094372
n-Butylbenzene	U		0.000299	0.00116	1	04/07/2018 00:24	WG1094372
sec-Butylbenzene	U		0.000233	0.00116	1	04/07/2018 00:24	WG1094372
tert-Butylbenzene	U		0.000239	0.00116	1	04/07/2018 00:24	WG1094372
Carbon disulfide	U	J0	0.000256	0.00116	1	04/07/2018 00:24	WG1094372
Carbon tetrachloride	U		0.000381	0.00116	1	04/07/2018 00:24	WG1094372
Chlorobenzene	U		0.000246	0.00116	1	04/07/2018 00:24	WG1094372
Chlorodibromomethane	U		0.000433	0.00116	1	04/07/2018 00:24	WG1094372
Chloroethane	U		0.00110	0.00580	1	04/07/2018 00:24	WG1094372
Chloroform	U		0.000266	0.00580	1	04/07/2018 00:24	WG1094372
Chloromethane	U	J0	0.000435	0.00290	1	04/07/2018 00:24	WG1094372
2-Chlorotoluene	U		0.000349	0.00116	1	04/07/2018 00:24	WG1094372
4-Chlorotoluene	U		0.000278	0.00116	1	04/07/2018 00:24	WG1094372
1,2-Dibromo-3-Chloropropane	U	J0	0.00122	0.00580	1	04/07/2018 00:24	WG1094372
1,2-Dibromoethane	U		0.000398	0.00116	1	04/07/2018 00:24	WG1094372
Dibromomethane	U		0.000443	0.00116	1	04/07/2018 00:24	WG1094372
1,2-Dichlorobenzene	U		0.000354	0.00116	1	04/07/2018 00:24	WG1094372
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/07/2018 00:24	WG1094372
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/07/2018 00:24	WG1094372
Dichlorodifluoromethane	U		0.000827	0.00580	1	04/07/2018 00:24	WG1094372
1,1-Dichloroethane	U		0.000231	0.00116	1	04/07/2018 00:24	WG1094372
1,2-Dichloroethane	U		0.000307	0.00116	1	04/07/2018 00:24	WG1094372
1,1-Dichloroethene	U		0.000351	0.00116	1	04/07/2018 00:24	WG1094372
cis-1,2-Dichloroethene	0.00231		0.000273	0.00116	1	04/07/2018 00:24	WG1094372
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	04/07/2018 00:24	WG1094372
1,2-Dichloropropane	U		0.000415	0.00116	1	04/07/2018 00:24	WG1094372
1,1-Dichloropropene	U		0.000368	0.00116	1	04/07/2018 00:24	WG1094372
1,3-Dichloropropane	U		0.000240	0.00116	1	04/07/2018 00:24	WG1094372
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/07/2018 00:24	WG1094372
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	04/07/2018 00:24	WG1094372
trans-1,4-Dichloro-2-butene	U	J0	0.000903	0.00290	1	04/07/2018 00:24	WG1094372
2,2-Dichloropropane	U		0.000324	0.00116	1	04/07/2018 00:24	WG1094372
Di-isopropyl ether	U	J0	0.000288	0.00116	1	04/07/2018 00:24	WG1094372
Ethylbenzene	U		0.000345	0.00116	1	04/07/2018 00:24	WG1094372
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	04/07/2018 00:24	WG1094372
2-Hexanone	U		0.00159	0.0116	1	04/07/2018 00:24	WG1094372
n-Hexane	0.000692	J J0	0.000336	0.0116	1	04/07/2018 00:24	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00293	0.0116	1	04/07/2018 00:24	WG1094372
Isopropylbenzene	U		0.000282	0.00116	1	04/07/2018 00:24	WG1094372
p-Isopropyltoluene	U		0.000237	0.00116	1	04/07/2018 00:24	WG1094372
2-Butanone (MEK)	U	J0	0.00543	0.0116	1	04/07/2018 00:24	WG1094372
Methylene Chloride	U		0.00116	0.00580	1	04/07/2018 00:24	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/07/2018 00:24	WG1094372
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/07/2018 00:24	WG1094372
Naphthalene	U		0.00116	0.00580	1	04/07/2018 00:24	WG1094372
n-Propylbenzene	U		0.000239	0.00116	1	04/07/2018 00:24	WG1094372
Styrene	U		0.000271	0.00116	1	04/07/2018 00:24	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/07/2018 00:24	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/07/2018 00:24	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/07/2018 00:24	WG1094372
Tetrachloroethene	0.0161		0.000320	0.00116	1	04/07/2018 00:24	WG1094372
Toluene	U		0.000503	0.00580	1	04/07/2018 00:24	WG1094372
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/07/2018 00:24	WG1094372
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/07/2018 00:24	WG1094372
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/07/2018 00:24	WG1094372
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/07/2018 00:24	WG1094372
Trichloroethene	0.000513	J	0.000324	0.00116	1	04/07/2018 00:24	WG1094372
Trichlorofluoromethane	U		0.000443	0.00580	1	04/07/2018 00:24	WG1094372
1,2,3-Trichloropropane	U		0.000860	0.00290	1	04/07/2018 00:24	WG1094372
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/07/2018 00:24	WG1094372
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/07/2018 00:24	WG1094372
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	04/07/2018 00:24	WG1094372
Vinyl acetate	U	J0	0.00277	0.0116	1	04/07/2018 00:24	WG1094372
Vinyl chloride	0.000654	J	0.000338	0.00116	1	04/07/2018 00:24	WG1094372
Xylenes, Total	U		0.000810	0.00348	1	04/07/2018 00:24	WG1094372
(S) Toluene-d8	*105*			*80.0-120*		*04/07/2018 00:24*	WG1094372
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*04/07/2018 00:24*	WG1094372
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*04/07/2018 00:24*	WG1094372

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	04/05/2018 12:36	WG1093989

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.124		0.0395	0.116	1	04/05/2018 12:53	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 12:53*	WG1093756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0116	0.0582	1	04/07/2018 00:44	WG1094372
Acrylonitrile	U		0.00208	0.0116	1	04/07/2018 00:44	WG1094372
Benzene	U		0.000314	0.00116	1	04/07/2018 00:44	WG1094372
Bromobenzene	U		0.000331	0.00116	1	04/07/2018 00:44	WG1094372
Bromodichloromethane	U	J0	0.000296	0.00116	1	04/07/2018 00:44	WG1094372
Bromochloromethane	U		0.000454	0.00582	1	04/07/2018 00:44	WG1094372
Bromoform	U	J0	0.000494	0.00116	1	04/07/2018 00:44	WG1094372
Bromomethane	U		0.00156	0.00582	1	04/07/2018 00:44	WG1094372
n-Butylbenzene	U		0.000300	0.00116	1	04/07/2018 00:44	WG1094372
sec-Butylbenzene	U		0.000234	0.00116	1	04/07/2018 00:44	WG1094372
tert-Butylbenzene	U		0.000240	0.00116	1	04/07/2018 00:44	WG1094372
Carbon disulfide	0.000291	J J0	0.000257	0.00116	1	04/07/2018 00:44	WG1094372
Carbon tetrachloride	U		0.000382	0.00116	1	04/07/2018 00:44	WG1094372
Chlorobenzene	U		0.000247	0.00116	1	04/07/2018 00:44	WG1094372
Chlorodibromomethane	U		0.000434	0.00116	1	04/07/2018 00:44	WG1094372
Chloroethane	U		0.00110	0.00582	1	04/07/2018 00:44	WG1094372
Chloroform	U		0.000267	0.00582	1	04/07/2018 00:44	WG1094372
Chloromethane	U	J0	0.000437	0.00291	1	04/07/2018 00:44	WG1094372
2-Chlorotoluene	U		0.000350	0.00116	1	04/07/2018 00:44	WG1094372
4-Chlorotoluene	U		0.000279	0.00116	1	04/07/2018 00:44	WG1094372
1,2-Dibromo-3-Chloropropane	U	J0	0.00122	0.00582	1	04/07/2018 00:44	WG1094372
1,2-Dibromoethane	U		0.000399	0.00116	1	04/07/2018 00:44	WG1094372
Dibromomethane	U		0.000445	0.00116	1	04/07/2018 00:44	WG1094372
1,2-Dichlorobenzene	U		0.000355	0.00116	1	04/07/2018 00:44	WG1094372
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/07/2018 00:44	WG1094372
1,4-Dichlorobenzene	U		0.000263	0.00116	1	04/07/2018 00:44	WG1094372
Dichlorodifluoromethane	U		0.000830	0.00582	1	04/07/2018 00:44	WG1094372
1,1-Dichloroethane	U		0.000232	0.00116	1	04/07/2018 00:44	WG1094372
1,2-Dichloroethane	U		0.000309	0.00116	1	04/07/2018 00:44	WG1094372
1,1-Dichloroethene	U		0.000353	0.00116	1	04/07/2018 00:44	WG1094372
cis-1,2-Dichloroethene	0.0157		0.000274	0.00116	1	04/07/2018 00:44	WG1094372
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	04/07/2018 00:44	WG1094372
1,2-Dichloropropane	U		0.000417	0.00116	1	04/07/2018 00:44	WG1094372
1,1-Dichloropropene	U		0.000369	0.00116	1	04/07/2018 00:44	WG1094372
1,3-Dichloropropane	U		0.000241	0.00116	1	04/07/2018 00:44	WG1094372
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	04/07/2018 00:44	WG1094372
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	04/07/2018 00:44	WG1094372
trans-1,4-Dichloro-2-butene	U	J0	0.000906	0.00291	1	04/07/2018 00:44	WG1094372
2,2-Dichloropropane	U		0.000325	0.00116	1	04/07/2018 00:44	WG1094372
Di-isopropyl ether	U	J0	0.000289	0.00116	1	04/07/2018 00:44	WG1094372
Ethylbenzene	U		0.000346	0.00116	1	04/07/2018 00:44	WG1094372
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	04/07/2018 00:44	WG1094372
2-Hexanone	U		0.00159	0.0116	1	04/07/2018 00:44	WG1094372
n-Hexane	0.00116	J J0	0.000338	0.0116	1	04/07/2018 00:44	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00295	0.0116	1	04/07/2018 00:44	WG1094372
Isopropylbenzene	U		0.000283	0.00116	1	04/07/2018 00:44	WG1094372
p-Isopropyltoluene	U		0.000237	0.00116	1	04/07/2018 00:44	WG1094372
2-Butanone (MEK)	U	J0	0.00545	0.0116	1	04/07/2018 00:44	WG1094372
Methylene Chloride	U		0.00116	0.00582	1	04/07/2018 00:44	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	04/07/2018 00:44	WG1094372
Methyl tert-butyl ether	U		0.000247	0.00116	1	04/07/2018 00:44	WG1094372
Naphthalene	U		0.00116	0.00582	1	04/07/2018 00:44	WG1094372
n-Propylbenzene	U		0.000240	0.00116	1	04/07/2018 00:44	WG1094372
Styrene	U		0.000272	0.00116	1	04/07/2018 00:44	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/07/2018 00:44	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	04/07/2018 00:44	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	04/07/2018 00:44	WG1094372
Tetrachloroethene	0.0323		0.000321	0.00116	1	04/07/2018 00:44	WG1094372
Toluene	U		0.000505	0.00582	1	04/07/2018 00:44	WG1094372
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	04/07/2018 00:44	WG1094372
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	04/07/2018 00:44	WG1094372
1,1,1-Trichloroethane	U		0.000333	0.00116	1	04/07/2018 00:44	WG1094372
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/07/2018 00:44	WG1094372
Trichloroethene	0.00223		0.000325	0.00116	1	04/07/2018 00:44	WG1094372
Trichlorofluoromethane	U		0.000445	0.00582	1	04/07/2018 00:44	WG1094372
1,2,3-Trichloropropane	U		0.000863	0.00291	1	04/07/2018 00:44	WG1094372
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	04/07/2018 00:44	WG1094372
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	04/07/2018 00:44	WG1094372
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	04/07/2018 00:44	WG1094372
Vinyl acetate	U	J0	0.00278	0.0116	1	04/07/2018 00:44	WG1094372
Vinyl chloride	0.00133		0.000339	0.00116	1	04/07/2018 00:44	WG1094372
Xylenes, Total	U		0.000813	0.00349	1	04/07/2018 00:44	WG1094372
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2018 00:44*	WG1094372
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/07/2018 00:44*	WG1094372
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*04/07/2018 00:44*	WG1094372

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	04/05/2018 12:36	WG1093989

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0368	0.108	1	04/05/2018 13:17	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 13:17*	WG1093756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0108	0.0542	1	04/07/2018 01:04	WG1094372
Acrylonitrile	U		0.00194	0.0108	1	04/07/2018 01:04	WG1094372
Benzene	U		0.000293	0.00108	1	04/07/2018 01:04	WG1094372
Bromobenzene	U		0.000308	0.00108	1	04/07/2018 01:04	WG1094372
Bromodichloromethane	U	J0	0.000275	0.00108	1	04/07/2018 01:04	WG1094372
Bromochloromethane	U		0.000423	0.00542	1	04/07/2018 01:04	WG1094372
Bromoform	U	J0	0.000460	0.00108	1	04/07/2018 01:04	WG1094372
Bromomethane	U		0.00145	0.00542	1	04/07/2018 01:04	WG1094372
n-Butylbenzene	U		0.000280	0.00108	1	04/07/2018 01:04	WG1094372
sec-Butylbenzene	U		0.000218	0.00108	1	04/07/2018 01:04	WG1094372
tert-Butylbenzene	U		0.000223	0.00108	1	04/07/2018 01:04	WG1094372
Carbon disulfide	U	J0	0.000240	0.00108	1	04/07/2018 01:04	WG1094372
Carbon tetrachloride	U		0.000356	0.00108	1	04/07/2018 01:04	WG1094372
Chlorobenzene	U		0.000230	0.00108	1	04/07/2018 01:04	WG1094372
Chlorodibromomethane	U		0.000404	0.00108	1	04/07/2018 01:04	WG1094372
Chloroethane	U		0.00103	0.00542	1	04/07/2018 01:04	WG1094372
Chloroform	U		0.000248	0.00542	1	04/07/2018 01:04	WG1094372
Chloromethane	U	J0	0.000407	0.00271	1	04/07/2018 01:04	WG1094372
2-Chlorotoluene	U		0.000326	0.00108	1	04/07/2018 01:04	WG1094372
4-Chlorotoluene	U		0.000260	0.00108	1	04/07/2018 01:04	WG1094372
1,2-Dibromo-3-Chloropropane	U	J0	0.00114	0.00542	1	04/07/2018 01:04	WG1094372
1,2-Dibromoethane	U		0.000372	0.00108	1	04/07/2018 01:04	WG1094372
Dibromomethane	U		0.000414	0.00108	1	04/07/2018 01:04	WG1094372
1,2-Dichlorobenzene	U		0.000331	0.00108	1	04/07/2018 01:04	WG1094372
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/07/2018 01:04	WG1094372
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/07/2018 01:04	WG1094372
Dichlorodifluoromethane	U		0.000773	0.00542	1	04/07/2018 01:04	WG1094372
1,1-Dichloroethane	U		0.000216	0.00108	1	04/07/2018 01:04	WG1094372
1,2-Dichloroethane	U		0.000287	0.00108	1	04/07/2018 01:04	WG1094372
1,1-Dichloroethene	U		0.000329	0.00108	1	04/07/2018 01:04	WG1094372
cis-1,2-Dichloroethene	0.00152		0.000255	0.00108	1	04/07/2018 01:04	WG1094372
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/07/2018 01:04	WG1094372
1,2-Dichloropropane	U		0.000388	0.00108	1	04/07/2018 01:04	WG1094372
1,1-Dichloropropene	U		0.000344	0.00108	1	04/07/2018 01:04	WG1094372
1,3-Dichloropropane	U		0.000224	0.00108	1	04/07/2018 01:04	WG1094372
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/07/2018 01:04	WG1094372
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/07/2018 01:04	WG1094372
trans-1,4-Dichloro-2-butene	U	J0	0.000844	0.00271	1	04/07/2018 01:04	WG1094372
2,2-Dichloropropane	U		0.000303	0.00108	1	04/07/2018 01:04	WG1094372
Di-isopropyl ether	U	J0	0.000269	0.00108	1	04/07/2018 01:04	WG1094372
Ethylbenzene	U		0.000322	0.00108	1	04/07/2018 01:04	WG1094372
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	04/07/2018 01:04	WG1094372
2-Hexanone	U		0.00149	0.0108	1	04/07/2018 01:04	WG1094372
n-Hexane	U	J0	0.000314	0.0108	1	04/07/2018 01:04	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00274	0.0108	1	04/07/2018 01:04	WG1094372
Isopropylbenzene	U		0.000263	0.00108	1	04/07/2018 01:04	WG1094372
p-Isopropyltoluene	U		0.000221	0.00108	1	04/07/2018 01:04	WG1094372
2-Butanone (MEK)	U	J0	0.00507	0.0108	1	04/07/2018 01:04	WG1094372
Methylene Chloride	U		0.00108	0.00542	1	04/07/2018 01:04	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/07/2018 01:04	WG1094372
Methyl tert-butyl ether	U		0.000230	0.00108	1	04/07/2018 01:04	WG1094372
Naphthalene	U		0.00108	0.00542	1	04/07/2018 01:04	WG1094372
n-Propylbenzene	U		0.000223	0.00108	1	04/07/2018 01:04	WG1094372
Styrene	U		0.000254	0.00108	1	04/07/2018 01:04	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/07/2018 01:04	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	04/07/2018 01:04	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	04/07/2018 01:04	WG1094372
Tetrachloroethene	0.0171		0.000299	0.00108	1	04/07/2018 01:04	WG1094372
Toluene	U		0.000471	0.00542	1	04/07/2018 01:04	WG1094372
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	04/07/2018 01:04	WG1094372
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	04/07/2018 01:04	WG1094372
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/07/2018 01:04	WG1094372
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/07/2018 01:04	WG1094372
Trichloroethene	0.000760	J	0.000303	0.00108	1	04/07/2018 01:04	WG1094372
Trichlorofluoromethane	U		0.000414	0.00542	1	04/07/2018 01:04	WG1094372
1,2,3-Trichloropropane	U		0.000803	0.00271	1	04/07/2018 01:04	WG1094372
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	04/07/2018 01:04	WG1094372
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/07/2018 01:04	WG1094372
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/07/2018 01:04	WG1094372
Vinyl acetate	U	J0	0.00259	0.0108	1	04/07/2018 01:04	WG1094372
Vinyl chloride	0.000410	J	0.000316	0.00108	1	04/07/2018 01:04	WG1094372
Xylenes, Total	U		0.000757	0.00325	1	04/07/2018 01:04	WG1094372
(S) Toluene-d8	*105*			*80.0-120*		*04/07/2018 01:04*	WG1094372
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/07/2018 01:04*	WG1094372
(S) 4-Bromofluorobenzene	*89.8*			*64.0-132*		*04/07/2018 01:04*	WG1094372

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	04/06/2018 11:25	WG1094356

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.0447	J	0.0392	0.116	1	04/05/2018 14:03	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 14:03*	WG1093756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0116	0.0578	1	04/07/2018 01:23	WG1094372
Acrylonitrile	U		0.00207	0.0116	1	04/07/2018 01:23	WG1094372
Benzene	U		0.000312	0.00116	1	04/07/2018 01:23	WG1094372
Bromobenzene	U		0.000329	0.00116	1	04/07/2018 01:23	WG1094372
Bromodichloromethane	U	J0	0.000294	0.00116	1	04/07/2018 01:23	WG1094372
Bromochloromethane	U		0.000451	0.00578	1	04/07/2018 01:23	WG1094372
Bromoform	U	J0	0.000491	0.00116	1	04/07/2018 01:23	WG1094372
Bromomethane	U		0.00155	0.00578	1	04/07/2018 01:23	WG1094372
n-Butylbenzene	U		0.000298	0.00116	1	04/07/2018 01:23	WG1094372
sec-Butylbenzene	U		0.000233	0.00116	1	04/07/2018 01:23	WG1094372
tert-Butylbenzene	U		0.000238	0.00116	1	04/07/2018 01:23	WG1094372
Carbon disulfide	U	J0	0.000256	0.00116	1	04/07/2018 01:23	WG1094372
Carbon tetrachloride	U		0.000379	0.00116	1	04/07/2018 01:23	WG1094372
Chlorobenzene	U		0.000245	0.00116	1	04/07/2018 01:23	WG1094372
Chlorodibromomethane	U		0.000432	0.00116	1	04/07/2018 01:23	WG1094372
Chloroethane	U		0.00109	0.00578	1	04/07/2018 01:23	WG1094372
Chloroform	U		0.000265	0.00578	1	04/07/2018 01:23	WG1094372
Chloromethane	U	J0	0.000434	0.00289	1	04/07/2018 01:23	WG1094372
2-Chlorotoluene	U		0.000348	0.00116	1	04/07/2018 01:23	WG1094372
4-Chlorotoluene	U		0.000278	0.00116	1	04/07/2018 01:23	WG1094372
1,2-Dibromo-3-Chloropropane	U	J0	0.00121	0.00578	1	04/07/2018 01:23	WG1094372
1,2-Dibromoethane	U		0.000397	0.00116	1	04/07/2018 01:23	WG1094372
Dibromomethane	U		0.000442	0.00116	1	04/07/2018 01:23	WG1094372
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/07/2018 01:23	WG1094372
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/07/2018 01:23	WG1094372
1,4-Dichlorobenzene	U		0.000261	0.00116	1	04/07/2018 01:23	WG1094372
Dichlorodifluoromethane	U		0.000825	0.00578	1	04/07/2018 01:23	WG1094372
1,1-Dichloroethane	U		0.000230	0.00116	1	04/07/2018 01:23	WG1094372
1,2-Dichloroethane	U		0.000307	0.00116	1	04/07/2018 01:23	WG1094372
1,1-Dichloroethene	U		0.000351	0.00116	1	04/07/2018 01:23	WG1094372
cis-1,2-Dichloroethene	0.0138		0.000272	0.00116	1	04/07/2018 01:23	WG1094372
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	04/07/2018 01:23	WG1094372
1,2-Dichloropropane	U		0.000414	0.00116	1	04/07/2018 01:23	WG1094372
1,1-Dichloropropene	U		0.000367	0.00116	1	04/07/2018 01:23	WG1094372
1,3-Dichloropropane	U		0.000239	0.00116	1	04/07/2018 01:23	WG1094372
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/07/2018 01:23	WG1094372
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/07/2018 01:23	WG1094372
trans-1,4-Dichloro-2-butene	U	J0	0.000900	0.00289	1	04/07/2018 01:23	WG1094372
2,2-Dichloropropane	U		0.000323	0.00116	1	04/07/2018 01:23	WG1094372
Di-isopropyl ether	U	J0	0.000287	0.00116	1	04/07/2018 01:23	WG1094372
Ethylbenzene	U		0.000344	0.00116	1	04/07/2018 01:23	WG1094372
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/07/2018 01:23	WG1094372
2-Hexanone	U		0.00158	0.0116	1	04/07/2018 01:23	WG1094372
n-Hexane	0.000860	J J0	0.000336	0.0116	1	04/07/2018 01:23	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00293	0.0116	1	04/07/2018 01:23	WG1094372
Isopropylbenzene	U		0.000281	0.00116	1	04/07/2018 01:23	WG1094372
p-Isopropyltoluene	U		0.000236	0.00116	1	04/07/2018 01:23	WG1094372
2-Butanone (MEK)	U	J0	0.00541	0.0116	1	04/07/2018 01:23	WG1094372
Methylene Chloride	U		0.00116	0.00578	1	04/07/2018 01:23	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	04/07/2018 01:23	WG1094372
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/07/2018 01:23	WG1094372
Naphthalene	U		0.00116	0.00578	1	04/07/2018 01:23	WG1094372
n-Propylbenzene	U		0.000238	0.00116	1	04/07/2018 01:23	WG1094372
Styrene	U		0.000271	0.00116	1	04/07/2018 01:23	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/07/2018 01:23	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/07/2018 01:23	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/07/2018 01:23	WG1094372
Tetrachloroethene	0.0621		0.000319	0.00116	1	04/07/2018 01:23	WG1094372
Toluene	U		0.000502	0.00578	1	04/07/2018 01:23	WG1094372
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/07/2018 01:23	WG1094372
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/07/2018 01:23	WG1094372
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/07/2018 01:23	WG1094372
1,1,2-Trichloroethane	U		0.000320	0.00116	1	04/07/2018 01:23	WG1094372
Trichloroethene	0.00454		0.000323	0.00116	1	04/07/2018 01:23	WG1094372
Trichlorofluoromethane	U		0.000442	0.00578	1	04/07/2018 01:23	WG1094372
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/07/2018 01:23	WG1094372
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/07/2018 01:23	WG1094372
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/07/2018 01:23	WG1094372
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/07/2018 01:23	WG1094372
Vinyl acetate	U	J0	0.00277	0.0116	1	04/07/2018 01:23	WG1094372
Vinyl chloride	0.00117		0.000337	0.00116	1	04/07/2018 01:23	WG1094372
Xylenes, Total	U		0.000808	0.00347	1	04/07/2018 01:23	WG1094372
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2018 01:23*	WG1094372
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/07/2018 01:23*	WG1094372
(S) 4-Bromofluorobenzene	*90.6*			*64.0-132*		*04/07/2018 01:23*	WG1094372

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	04/06/2018 11:25	WG1094356

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0372	0.110	1	04/05/2018 14:27	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 14:27*	WG1093756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0549	1	04/07/2018 01:43	WG1094372
Acrylonitrile	U		0.00197	0.0110	1	04/07/2018 01:43	WG1094372
Benzene	U		0.000297	0.00110	1	04/07/2018 01:43	WG1094372
Bromobenzene	U		0.000312	0.00110	1	04/07/2018 01:43	WG1094372
Bromodichloromethane	U	J0	0.000279	0.00110	1	04/07/2018 01:43	WG1094372
Bromochloromethane	U		0.000428	0.00549	1	04/07/2018 01:43	WG1094372
Bromoform	U	J0	0.000466	0.00110	1	04/07/2018 01:43	WG1094372
Bromomethane	U		0.00147	0.00549	1	04/07/2018 01:43	WG1094372
n-Butylbenzene	U		0.000283	0.00110	1	04/07/2018 01:43	WG1094372
sec-Butylbenzene	U		0.000221	0.00110	1	04/07/2018 01:43	WG1094372
tert-Butylbenzene	U		0.000226	0.00110	1	04/07/2018 01:43	WG1094372
Carbon disulfide	U	J0	0.000243	0.00110	1	04/07/2018 01:43	WG1094372
Carbon tetrachloride	U		0.000360	0.00110	1	04/07/2018 01:43	WG1094372
Chlorobenzene	U		0.000233	0.00110	1	04/07/2018 01:43	WG1094372
Chlorodibromomethane	U		0.000410	0.00110	1	04/07/2018 01:43	WG1094372
Chloroethane	U		0.00104	0.00549	1	04/07/2018 01:43	WG1094372
Chloroform	U		0.000251	0.00549	1	04/07/2018 01:43	WG1094372
Chloromethane	U	J0	0.000412	0.00275	1	04/07/2018 01:43	WG1094372
2-Chlorotoluene	U		0.000331	0.00110	1	04/07/2018 01:43	WG1094372
4-Chlorotoluene	U		0.000264	0.00110	1	04/07/2018 01:43	WG1094372
1,2-Dibromo-3-Chloropropane	U	J0	0.00115	0.00549	1	04/07/2018 01:43	WG1094372
1,2-Dibromoethane	U		0.000377	0.00110	1	04/07/2018 01:43	WG1094372
Dibromomethane	U		0.000420	0.00110	1	04/07/2018 01:43	WG1094372
1,2-Dichlorobenzene	U		0.000335	0.00110	1	04/07/2018 01:43	WG1094372
1,3-Dichlorobenzene	U		0.000262	0.00110	1	04/07/2018 01:43	WG1094372
1,4-Dichlorobenzene	U		0.000248	0.00110	1	04/07/2018 01:43	WG1094372
Dichlorodifluoromethane	U		0.000783	0.00549	1	04/07/2018 01:43	WG1094372
1,1-Dichloroethane	U		0.000219	0.00110	1	04/07/2018 01:43	WG1094372
1,2-Dichloroethane	U		0.000291	0.00110	1	04/07/2018 01:43	WG1094372
1,1-Dichloroethene	U		0.000333	0.00110	1	04/07/2018 01:43	WG1094372
cis-1,2-Dichloroethene	0.00612		0.000258	0.00110	1	04/07/2018 01:43	WG1094372
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	04/07/2018 01:43	WG1094372
1,2-Dichloropropane	U		0.000393	0.00110	1	04/07/2018 01:43	WG1094372
1,1-Dichloropropene	U		0.000348	0.00110	1	04/07/2018 01:43	WG1094372
1,3-Dichloropropane	U		0.000227	0.00110	1	04/07/2018 01:43	WG1094372
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/07/2018 01:43	WG1094372
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	04/07/2018 01:43	WG1094372
trans-1,4-Dichloro-2-butene	U	J0	0.000854	0.00275	1	04/07/2018 01:43	WG1094372
2,2-Dichloropropane	U		0.000306	0.00110	1	04/07/2018 01:43	WG1094372
Di-isopropyl ether	U	J0	0.000272	0.00110	1	04/07/2018 01:43	WG1094372
Ethylbenzene	U		0.000326	0.00110	1	04/07/2018 01:43	WG1094372
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	04/07/2018 01:43	WG1094372
2-Hexanone	U		0.00150	0.0110	1	04/07/2018 01:43	WG1094372
n-Hexane	U	J0	0.000318	0.0110	1	04/07/2018 01:43	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00278	0.0110	1	04/07/2018 01:43	WG1094372
Isopropylbenzene	U		0.000267	0.00110	1	04/07/2018 01:43	WG1094372
p-Isopropyltoluene	U		0.000224	0.00110	1	04/07/2018 01:43	WG1094372
2-Butanone (MEK)	U	J0	0.00514	0.0110	1	04/07/2018 01:43	WG1094372
Methylene Chloride	U		0.00110	0.00549	1	04/07/2018 01:43	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	04/07/2018 01:43	WG1094372
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/07/2018 01:43	WG1094372
Naphthalene	U		0.00110	0.00549	1	04/07/2018 01:43	WG1094372
n-Propylbenzene	U		0.000226	0.00110	1	04/07/2018 01:43	WG1094372
Styrene	U		0.000257	0.00110	1	04/07/2018 01:43	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/07/2018 01:43	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	04/07/2018 01:43	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	04/07/2018 01:43	WG1094372
Tetrachloroethene	0.00162		0.000303	0.00110	1	04/07/2018 01:43	WG1094372
Toluene	U		0.000477	0.00549	1	04/07/2018 01:43	WG1094372
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/07/2018 01:43	WG1094372
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/07/2018 01:43	WG1094372
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/07/2018 01:43	WG1094372
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/07/2018 01:43	WG1094372
Trichloroethene	0.000773	J	0.000306	0.00110	1	04/07/2018 01:43	WG1094372
Trichlorofluoromethane	U		0.000420	0.00549	1	04/07/2018 01:43	WG1094372
1,2,3-Trichloropropane	U		0.000814	0.00275	1	04/07/2018 01:43	WG1094372
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/07/2018 01:43	WG1094372
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/07/2018 01:43	WG1094372
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/07/2018 01:43	WG1094372
Vinyl acetate	U	J0	0.00262	0.0110	1	04/07/2018 01:43	WG1094372
Vinyl chloride	U		0.000320	0.00110	1	04/07/2018 01:43	WG1094372
Xylenes, Total	U		0.000767	0.00329	1	04/07/2018 01:43	WG1094372
(S) Toluene-d8	*106*			*80.0-120*		*04/07/2018 01:43*	WG1094372
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/07/2018 01:43*	WG1094372
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*		*04/07/2018 01:43*	WG1094372

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	04/06/2018 11:25	WG1094356

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0386	0.114	1	04/05/2018 15:07	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 15:07*	WG1093756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0114	0.0569	1	04/07/2018 02:03	WG1094372
Acrylonitrile	U		0.00204	0.0114	1	04/07/2018 02:03	WG1094372
Benzene	U		0.000307	0.00114	1	04/07/2018 02:03	WG1094372
Bromobenzene	U		0.000323	0.00114	1	04/07/2018 02:03	WG1094372
Bromodichloromethane	U	J0	0.000289	0.00114	1	04/07/2018 02:03	WG1094372
Bromochloromethane	U		0.000444	0.00569	1	04/07/2018 02:03	WG1094372
Bromoform	U	J0	0.000482	0.00114	1	04/07/2018 02:03	WG1094372
Bromomethane	U		0.00152	0.00569	1	04/07/2018 02:03	WG1094372
n-Butylbenzene	U		0.000293	0.00114	1	04/07/2018 02:03	WG1094372
sec-Butylbenzene	U		0.000229	0.00114	1	04/07/2018 02:03	WG1094372
tert-Butylbenzene	U		0.000234	0.00114	1	04/07/2018 02:03	WG1094372
Carbon disulfide	U	J0	0.000251	0.00114	1	04/07/2018 02:03	WG1094372
Carbon tetrachloride	U		0.000373	0.00114	1	04/07/2018 02:03	WG1094372
Chlorobenzene	U		0.000241	0.00114	1	04/07/2018 02:03	WG1094372
Chlorodibromomethane	U		0.000424	0.00114	1	04/07/2018 02:03	WG1094372
Chloroethane	U		0.00108	0.00569	1	04/07/2018 02:03	WG1094372
Chloroform	U		0.000260	0.00569	1	04/07/2018 02:03	WG1094372
Chloromethane	U	J0	0.000427	0.00284	1	04/07/2018 02:03	WG1094372
2-Chlorotoluene	U		0.000342	0.00114	1	04/07/2018 02:03	WG1094372
4-Chlorotoluene	U		0.000273	0.00114	1	04/07/2018 02:03	WG1094372
1,2-Dibromo-3-Chloropropane	U	J0	0.00119	0.00569	1	04/07/2018 02:03	WG1094372
1,2-Dibromoethane	U		0.000390	0.00114	1	04/07/2018 02:03	WG1094372
Dibromomethane	U		0.000435	0.00114	1	04/07/2018 02:03	WG1094372
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/07/2018 02:03	WG1094372
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/07/2018 02:03	WG1094372
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/07/2018 02:03	WG1094372
Dichlorodifluoromethane	U		0.000811	0.00569	1	04/07/2018 02:03	WG1094372
1,1-Dichloroethane	U		0.000226	0.00114	1	04/07/2018 02:03	WG1094372
1,2-Dichloroethane	U		0.000301	0.00114	1	04/07/2018 02:03	WG1094372
1,1-Dichloroethene	U		0.000345	0.00114	1	04/07/2018 02:03	WG1094372
cis-1,2-Dichloroethene	0.000662	J	0.000267	0.00114	1	04/07/2018 02:03	WG1094372
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	04/07/2018 02:03	WG1094372
1,2-Dichloropropane	U		0.000407	0.00114	1	04/07/2018 02:03	WG1094372
1,1-Dichloropropene	U		0.000361	0.00114	1	04/07/2018 02:03	WG1094372
1,3-Dichloropropane	U		0.000235	0.00114	1	04/07/2018 02:03	WG1094372
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/07/2018 02:03	WG1094372
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	04/07/2018 02:03	WG1094372
trans-1,4-Dichloro-2-butene	U	J0	0.000885	0.00284	1	04/07/2018 02:03	WG1094372
2,2-Dichloropropane	U		0.000317	0.00114	1	04/07/2018 02:03	WG1094372
Di-isopropyl ether	U	J0	0.000282	0.00114	1	04/07/2018 02:03	WG1094372
Ethylbenzene	U		0.000338	0.00114	1	04/07/2018 02:03	WG1094372
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	04/07/2018 02:03	WG1094372
2-Hexanone	U		0.00156	0.0114	1	04/07/2018 02:03	WG1094372
n-Hexane	U	J0	0.000330	0.0114	1	04/07/2018 02:03	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00288	0.0114	1	04/07/2018 02:03	WG1094372
Isopropylbenzene	U		0.000276	0.00114	1	04/07/2018 02:03	WG1094372
p-Isopropyltoluene	U		0.000232	0.00114	1	04/07/2018 02:03	WG1094372
2-Butanone (MEK)	U	J0	0.00532	0.0114	1	04/07/2018 02:03	WG1094372
Methylene Chloride	U		0.00114	0.00569	1	04/07/2018 02:03	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/07/2018 02:03	WG1094372
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/07/2018 02:03	WG1094372
Naphthalene	U		0.00114	0.00569	1	04/07/2018 02:03	WG1094372
n-Propylbenzene	U		0.000234	0.00114	1	04/07/2018 02:03	WG1094372
Styrene	U		0.000266	0.00114	1	04/07/2018 02:03	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/07/2018 02:03	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	04/07/2018 02:03	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	04/07/2018 02:03	WG1094372
Tetrachloroethene	0.000376	J	0.000314	0.00114	1	04/07/2018 02:03	WG1094372
Toluene	U		0.000494	0.00569	1	04/07/2018 02:03	WG1094372
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/07/2018 02:03	WG1094372
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	04/07/2018 02:03	WG1094372
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/07/2018 02:03	WG1094372
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/07/2018 02:03	WG1094372
Trichloroethene	U		0.000317	0.00114	1	04/07/2018 02:03	WG1094372
Trichlorofluoromethane	U		0.000435	0.00569	1	04/07/2018 02:03	WG1094372
1,2,3-Trichloropropane	U		0.000843	0.00284	1	04/07/2018 02:03	WG1094372
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/07/2018 02:03	WG1094372
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	04/07/2018 02:03	WG1094372
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	04/07/2018 02:03	WG1094372
Vinyl acetate	U	J0	0.00272	0.0114	1	04/07/2018 02:03	WG1094372
Vinyl chloride	U		0.000331	0.00114	1	04/07/2018 02:03	WG1094372
Xylenes, Total	U		0.000794	0.00341	1	04/07/2018 02:03	WG1094372
(S) Toluene-d8	*106*			*80.0-120*		*04/07/2018 02:03*	WG1094372
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/07/2018 02:03*	WG1094372
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*04/07/2018 02:03*	WG1094372

Method Blank (MB)

(MB) R3299542-1 04/05/18 12:36

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

L983131-12 Original Sample (OS) • Duplicate (DUP)

(OS) L983131-12 04/05/18 12:36 • (DUP) R3299542-3 04/05/18 12:36

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.8	82.1	1	0.868		5

Laboratory Control Sample (LCS)

(LCS) R3299542-2 04/05/18 12:36

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

Method Blank (MB)

(MB) R3299559-1 04/05/18 14:11

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

L982619-01 Original Sample (OS) • Duplicate (DUP)

(OS) L982619-01 04/05/18 14:11 • (DUP) R3299559-3 04/05/18 14:11

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.6	90.6	1	0.0757		5

Laboratory Control Sample (LCS)

(LCS) R3299559-2 04/05/18 14:11

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

Method Blank (MB)

(MB) R3299565-1 04/05/18 16:16

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

L982619-10 Original Sample (OS) • Duplicate (DUP)

(OS) L982619-10 04/05/18 16:16 • (DUP) R3299565-3 04/05/18 16:16

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.8	88.6	1	0.272		5

Laboratory Control Sample (LCS)

(LCS) R3299565-2 04/05/18 16:16

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

Method Blank (MB)

(MB) R3299563-1 04/05/18 15:42

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

L982989-01 Original Sample (OS) • Duplicate (DUP)

(OS) L982989-01 04/05/18 15:42 • (DUP) R3299563-3 04/05/18 15:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.9	84.7	1	2.08		5

Laboratory Control Sample (LCS)

(LCS) R3299563-2 04/05/18 15:42

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

Method Blank (MB)

(MB) R3299859-1 04/06/18 11:25

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

L982619-16 Original Sample (OS) • Duplicate (DUP)

(OS) L982619-16 04/06/18 11:25 • (DUP) R3299859-3 04/06/18 11:25

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.9	88.7	1	0.884		5

Laboratory Control Sample (LCS)

(LCS) R3299859-2 04/06/18 11:25

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

Method Blank (MB)

(MB) R3299975-3 04/04/18 22:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*113*			*77.0-120*

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

(LCS) R3299975-1 04/04/18 21:29 • (LCSD) R3299975-2 04/04/18 21:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	5.41	5.51	98.3	100	70.0-133			1.87	20
(S) a,a,a-Trifluorotoluene(FID)				*118*	*119*	*77.0-120*				

L982587-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L982587-08 04/05/18 17:42 • (MS) R3299975-4 04/05/18 18:48 • (MSD) R3299975-5 04/05/18 19:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	6.16	0.0619	2.50	2.50	39.6	39.5	1	10.0-146			0.156	30
(S) a,a,a-Trifluorotoluene(FID)					*111*	*110*		*77.0-120*				

Method Blank (MB)

(MB) R3299478-4 04/04/18 21:07

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

Method Blank (MB)

(MB) R3299478-4 04/04/18 21:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*95.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*

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

(LCS) R3299478-1 04/04/18 19:04 • (LCSD) R3299478-2 04/04/18 19:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0834	0.0780	66.8	62.4	11.0-160			6.75	23
Acrylonitrile	0.125	0.120	0.110	95.8	88.3	61.0-143			8.23	20
Benzene	0.0250	0.0247	0.0243	98.7	97.2	71.0-124			1.53	20
Bromobenzene	0.0250	0.0222	0.0225	88.8	89.8	78.0-120			1.15	20
Bromodichloromethane	0.0250	0.0221	0.0219	88.5	87.7	75.0-120			0.940	20
Bromochloromethane	0.0250	0.0279	0.0274	111	110	80.0-121			1.56	20
Bromoform	0.0250	0.0192	0.0192	76.8	76.7	65.0-133			0.134	20
Bromomethane	0.0250	0.0268	0.0259	107	104	26.0-160			3.45	20
n-Butylbenzene	0.0250	0.0240	0.0237	95.9	94.9	73.0-126			1.09	20
sec-Butylbenzene	0.0250	0.0258	0.0253	103	101	75.0-121			1.83	20
tert-Butylbenzene	0.0250	0.0261	0.0256	104	103	74.0-122			1.70	20
Carbon disulfide	0.0250	0.0229	0.0220	91.8	88.1	53.0-130			4.01	20
Carbon tetrachloride	0.0250	0.0238	0.0228	95.1	91.1	66.0-123			4.27	20
Chlorobenzene	0.0250	0.0282	0.0295	113	118	79.0-121			4.25	20
Chlorodibromomethane	0.0250	0.0240	0.0245	96.1	97.9	74.0-128			1.91	20
Chloroethane	0.0250	0.0244	0.0241	97.4	96.5	51.0-147			0.952	20
Chloroform	0.0250	0.0235	0.0231	94.1	92.3	73.0-123			1.86	20
Chloromethane	0.0250	0.0233	0.0224	93.3	89.8	51.0-138			3.83	20
2-Chlorotoluene	0.0250	0.0238	0.0237	95.3	94.7	72.0-124			0.648	20
4-Chlorotoluene	0.0250	0.0240	0.0238	96.0	95.3	78.0-120			0.744	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0227	0.0218	90.9	87.0	65.0-126			4.38	20
1,2-Dibromoethane	0.0250	0.0280	0.0287	112	115	78.0-122			2.55	20
Dibromomethane	0.0250	0.0248	0.0238	99.3	95.1	79.0-120			4.23	20
1,2-Dichlorobenzene	0.0250	0.0264	0.0254	106	102	80.0-120			3.71	20
1,3-Dichlorobenzene	0.0250	0.0264	0.0257	106	103	72.0-123			2.76	20
1,4-Dichlorobenzene	0.0250	0.0256	0.0249	102	99.7	77.0-120			2.79	20
trans-1,4-Dichloro-2-butene	0.0250	0.0229	0.0217	91.5	86.9	68.0-126			5.20	20
Dichlorodifluoromethane	0.0250	0.0326	0.0305	131	122	49.0-155			6.70	20
1,1-Dichloroethane	0.0250	0.0246	0.0241	98.4	96.4	70.0-128			2.05	20
1,2-Dichloroethane	0.0250	0.0242	0.0230	96.9	92.0	69.0-128			5.22	20
1,1-Dichloroethene	0.0250	0.0244	0.0237	97.7	94.8	63.0-131			2.97	20
cis-1,2-Dichloroethene	0.0250	0.0252	0.0244	101	97.7	74.0-123			3.18	20
trans-1,2-Dichloroethene	0.0250	0.0246	0.0231	98.5	92.3	72.0-122			6.49	20
1,2-Dichloropropane	0.0250	0.0245	0.0243	98.2	97.2	75.0-126			1.05	20
1,1-Dichloropropene	0.0250	0.0259	0.0250	103	100	72.0-130			3.42	20
1,3-Dichloropropane	0.0250	0.0276	0.0279	111	112	80.0-121			1.15	20
cis-1,3-Dichloropropene	0.0250	0.0266	0.0273	106	109	80.0-125			2.60	20
trans-1,3-Dichloropropene	0.0250	0.0254	0.0263	102	105	75.0-129			3.47	20
2,2-Dichloropropane	0.0250	0.0220	0.0210	87.9	84.0	60.0-129			4.60	20
Di-isopropyl ether	0.0250	0.0202	0.0195	80.8	78.0	62.0-133			3.59	20

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

(LCS) R3299478-1 04/04/18 19:04 • (LCSD) R3299478-2 04/04/18 19:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0269	0.0269	107	108	77.0-120			0.153	20
Hexachloro-1,3-butadiene	0.0250	0.0272	0.0267	109	107	68.0-128			1.72	20
2-Hexanone	0.125	0.138	0.137	110	109	61.0-143			0.656	20
n-Hexane	0.0250	0.0225	0.0220	90.0	88.0	57.0-125			2.21	20
Iodomethane	0.125	0.145	0.139	116	111	67.0-132			4.22	20
Isopropylbenzene	0.0250	0.0231	0.0228	92.6	91.4	75.0-120			1.29	20
p-Isopropyltoluene	0.0250	0.0252	0.0248	101	99.2	74.0-125			1.40	20
2-Butanone (MEK)	0.125	0.0923	0.0877	73.8	70.2	37.0-159			5.04	20
Methylene Chloride	0.0250	0.0244	0.0236	97.7	94.2	67.0-123			3.65	20
4-Methyl-2-pentanone (MIBK)	0.125	0.116	0.118	92.4	94.1	60.0-144			1.76	20
Methyl tert-butyl ether	0.0250	0.0246	0.0234	98.6	93.6	66.0-125			5.12	20
Naphthalene	0.0250	0.0264	0.0260	106	104	64.0-125			1.31	20
n-Propylbenzene	0.0250	0.0238	0.0234	95.3	93.6	78.0-120			1.83	20
Styrene	0.0250	0.0245	0.0240	98.0	96.1	78.0-124			1.88	20
1,1,1,2-Tetrachloroethane	0.0250	0.0255	0.0263	102	105	74.0-124			2.84	20
1,1,2,2-Tetrachloroethane	0.0250	0.0219	0.0212	87.4	84.7	73.0-120			3.13	20
Tetrachloroethene	0.0250	0.0285	0.0293	114	117	70.0-127			2.79	20
Toluene	0.0250	0.0262	0.0270	105	108	77.0-120			3.19	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0258	0.0243	103	97.0	64.0-135			6.07	20
1,2,3-Trichlorobenzene	0.0250	0.0298	0.0294	119	118	68.0-126			1.38	20
1,2,4-Trichlorobenzene	0.0250	0.0287	0.0288	115	115	70.0-127			0.428	20
1,1,1-Trichloroethane	0.0250	0.0222	0.0217	88.9	86.8	69.0-125			2.37	20
1,1,2-Trichloroethane	0.0250	0.0267	0.0276	107	110	78.0-120			3.07	20
Trichloroethene	0.0250	0.0288	0.0280	115	112	79.0-120			2.67	20
Trichlorofluoromethane	0.0250	0.0289	0.0286	115	114	59.0-136			0.898	20
1,2,3-Trichloropropane	0.0250	0.0228	0.0214	91.3	85.6	73.0-124			6.39	20
1,2,3-Trimethylbenzene	0.0250	0.0270	0.0265	108	106	76.0-120			1.66	20
1,2,4-Trimethylbenzene	0.0250	0.0242	0.0240	96.8	96.0	75.0-120			0.847	20
1,3,5-Trimethylbenzene	0.0250	0.0247	0.0240	98.8	96.1	75.0-120			2.75	20
Vinyl acetate	0.125	0.0854	0.0835	68.3	66.8	58.0-156			2.24	20
Vinyl chloride	0.0250	0.0273	0.0260	109	104	63.0-134			4.84	20
Xylenes, Total	0.0750	0.0818	0.0835	109	111	77.0-120			2.06	20
(S) Toluene-d8				*108*	*112*	*80.0-120*				
(S) Dibromofluoromethane				*97.1*	*96.3*	*74.0-131*				
(S) 4-Bromofluorobenzene				*89.7*	*89.8*	*64.0-132*				

L982619-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L982619-08 04/05/18 15:40 • (MS) R3299478-5 04/05/18 16:59 • (MSD) R3299478-6 04/05/18 17:19

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.135	U	0.0524	0.0534	41.9	42.7	1	10.0-160		J0	1.93	36
Acrylonitrile	0.135	U	0.0946	0.100	75.7	80.1	1	14.0-160			5.72	33
Benzene	0.0269	U	0.0180	0.0192	72.1	76.8	1	13.0-146			6.33	27
Bromobenzene	0.0269	U	0.00885	0.0111	35.4	44.2	1	10.0-149			22.1	33
Bromodichloromethane	0.0269	U	0.0146	0.0159	58.4	63.7	1	15.0-142			8.68	28
Bromochloromethane	0.0269	U	0.0201	0.0209	80.5	83.5	1	24.0-146			3.65	27
Bromoform	0.0269	U	0.0109	0.0122	43.5	48.8	1	10.0-147		J0	11.5	31
Bromomethane	0.0269	U	0.0199	0.0217	79.5	86.7	1	10.0-160			8.76	32
n-Butylbenzene	0.0269	U	0.00653	0.00714	26.1	28.6	1	10.0-154			8.97	37
sec-Butylbenzene	0.0269	U	0.0104	0.0114	41.8	45.7	1	10.0-151			8.92	36
tert-Butylbenzene	0.0269	U	0.0116	0.0142	46.3	56.8	1	10.0-152			20.5	35
Carbon disulfide	0.0269	U	0.0141	0.0153	56.3	61.4	1	10.0-141			8.67	30
Carbon tetrachloride	0.0269	U	0.0175	0.0188	69.8	75.3	1	13.0-140			7.59	30
Chlorobenzene	0.0269	U	0.0137	0.0106	54.9	42.5	1	10.0-149			25.4	31
Chlorodibromomethane	0.0269	U	0.0135	0.0137	54.1	54.7	1	12.0-147			1.08	29
Chloroethane	0.0269	U	0.0203	0.0217	81.4	86.7	1	10.0-159			6.30	33
Chloroform	0.0269	U	0.0176	0.0184	70.3	73.4	1	18.0-148			4.41	28
Chloromethane	0.0269	U	0.0200	0.0199	80.0	79.7	1	10.0-146			0.464	29
2-Chlorotoluene	0.0269	U	0.0122	0.0120	49.0	47.9	1	10.0-151			2.18	35
4-Chlorotoluene	0.0269	U	0.00759	0.00997	30.4	39.9	1	10.0-150			27.1	35
1,2-Dibromo-3-Chloropropane	0.0269	U	0.0136	0.0168	54.3	67.1	1	10.0-149		J0	21.1	34
1,2-Dibromoethane	0.0269	U	0.0159	0.0128	63.7	51.1	1	14.0-145			21.8	28
Dibromomethane	0.0269	U	0.0169	0.0183	67.7	73.2	1	18.0-144			7.88	27
1,2-Dichlorobenzene	0.0269	U	0.00734	0.00967	29.4	38.7	1	10.0-153			27.4	34
1,3-Dichlorobenzene	0.0269	U	0.00667	0.00877	26.7	35.1	1	10.0-150			27.2	35
1,4-Dichlorobenzene	0.0269	U	0.00619	0.00783	24.8	31.3	1	10.0-148			23.3	34
trans-1,4-Dichloro-2-butene	0.0269	U	0.00950	0.0111	38.0	44.5	1	10.0-160			15.8	40
Dichlorodifluoromethane	0.0269	U	0.0259	0.0254	103	102	1	10.0-160			1.69	30
1,1-Dichloroethane	0.0269	U	0.0190	0.0197	75.8	78.9	1	19.0-148			3.95	28
1,2-Dichloroethane	0.0269	U	0.0169	0.0184	67.7	73.5	1	17.0-147			8.24	27
1,1-Dichloroethene	0.0269	U	0.0189	0.0202	75.5	80.9	1	10.0-150			6.89	31
cis-1,2-Dichloroethene	0.0269		0.0224	0.0239	42.7	48.6	1	16.0-145			6.35	28
trans-1,2-Dichloroethene	0.0269	U	0.0160	0.0172	63.9	68.9	1	11.0-142			7.53	29
1,2-Dichloropropane	0.0269	U	0.0181	0.0190	72.2	75.8	1	17.0-148			4.85	28
1,1-Dichloropropene	0.0269	U	0.0163	0.0186	65.2	74.3	1	10.0-150			13.1	30
1,3-Dichloropropane	0.0269	U	0.0169	0.0154	67.5	61.5	1	16.0-148			9.30	27
cis-1,3-Dichloropropene	0.0269	U	0.0140	0.0156	55.9	62.6	1	13.0-150			11.3	28
trans-1,3-Dichloropropene	0.0269	U	0.0114	0.0140	45.8	55.9	1	10.0-152			20.0	29
2,2-Dichloropropane	0.0269	U	0.0166	0.0171	66.3	68.4	1	16.0-143			3.13	30
Di-isopropyl ether	0.0269	U	0.0146	0.0155	58.3	61.8	1	16.0-149		J0	5.87	28

L982619-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L982619-08 04/05/18 15:40 • (MS) R3299478-5 04/05/18 16:59 • (MSD) R3299478-6 04/05/18 17:19

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0269	U	0.0146	0.0103	58.5	41.1	1	10.0-147		J3	35.0	31
Hexachloro-1,3-butadiene	0.0269	U	0.00487	0.00645	19.5	25.8	1	10.0-154			27.9	40
2-Hexanone	0.135	U	0.0946	0.0685	75.7	54.8	1	12.0-158		J3	32.1	30
n-Hexane	0.0269	U	0.0116	0.0134	46.5	53.7	1	10.0-140			14.4	34
Iodomethane	0.135	U	0.106	0.112	84.5	89.7	1	10.0-157			5.97	34
Isopropylbenzene	0.0269	U	0.0124	0.0131	49.5	52.3	1	10.0-147			5.49	33
p-Isopropyltoluene	0.0269	U	0.00902	0.0111	36.1	44.3	1	10.0-156			20.5	37
2-Butanone (MEK)	0.135	U	0.0708	0.0764	56.7	61.1	1	10.0-160		J0	7.51	33
Methylene Chloride	0.0269	U	0.0191	0.0198	76.5	79.3	1	16.0-139			3.54	29
4-Methyl-2-pentanone (MIBK)	0.135	U	0.0975	0.109	78.0	87.3	1	12.0-160			11.3	32
Methyl tert-butyl ether	0.0269	U	0.0191	0.0205	76.2	82.1	1	21.0-145			7.45	29
Naphthalene	0.0269	U	0.0269	0.0122	108	48.6	1	10.0-153		J3	75.6	36
n-Propylbenzene	0.0269	U	0.0104	0.0116	41.5	46.3	1	10.0-151			11.0	34
Styrene	0.0269	U	0.00644	0.00844	25.7	33.8	1	10.0-155			26.9	34
1,1,1,2-Tetrachloroethane	0.0269	U	0.0155	0.0113	61.9	45.1	1	10.0-147		J3	31.4	30
1,1,2,2-Tetrachloroethane	0.0269	U	0.0154	0.0174	61.6	69.5	1	10.0-155			11.9	31
Tetrachloroethene	0.0269		0.120	0.104	0.000	0.000	1	10.0-144	V	V	14.9	32
Toluene	0.0269	U	0.0166	0.0179	66.2	71.5	1	10.0-144			7.70	28
1,1,2-Trichlorotrifluoroethane	0.0269	U	0.0197	0.0200	78.9	80.2	1	10.0-153			1.62	33
1,2,3-Trichlorobenzene	0.0269	U	0.00340	0.00523	13.6	20.9	1	10.0-153		J3	42.4	40
1,2,4-Trichlorobenzene	0.0269	U	0.00306	0.00425	12.2	17.0	1	10.0-156			32.7	40
1,1,1-Trichloroethane	0.0269	U	0.0172	0.0180	68.7	71.8	1	18.0-145			4.51	29
1,1,2-Trichloroethane	0.0269	U	0.0186	0.0189	74.5	75.5	1	12.0-151			1.26	28
Trichloroethene	0.0269		0.0208	0.0215	63.4	65.8	1	11.0-148			2.93	29
Trichlorofluoromethane	0.0269	U	0.0239	0.0112	95.6	44.7	1	10.0-157		J3	72.6	34
1,2,3-Trichloropropane	0.0269	U	0.0167	0.0185	66.6	73.8	1	10.0-154			10.3	32
1,2,3-Trimethylbenzene	0.0269	U	0.0420	0.0159	168	63.6	1	10.0-150	J5	J3	90.1	33
1,2,4-Trimethylbenzene	0.0269	U	0.0663	0.0176	265	70.4	1	10.0-151	J5	J3	116	34
1,3,5-Trimethylbenzene	0.0269	U	0.0329	0.0142	131	56.7	1	10.0-150		J3	79.4	33
Vinyl acetate	0.135	U	0.0102	0.00961	8.18	7.68	1	10.0-160	J6	J6	6.20	40
Vinyl chloride	0.0269	0.00209	0.0230	0.0243	83.7	89.0	1	10.0-150			5.56	29
Xylenes, Total	0.0807	U	0.0862	0.0336	115	44.8	1	10.0-150		J3	87.8	31
(S) Toluene-d8					*105*	*105*		*80.0-120*				
(S) Dibromofluoromethane					*98.5*	*99.2*		*74.0-131*				
(S) 4-Bromofluorobenzene					*90.0*	*87.6*		*64.0-132*				

Sample Narrative:

OS: TCE is not reportable from the 1x due to possible carryover.

Method Blank (MB)

(MB) R3300269-3 04/04/18 23:41

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

Method Blank (MB)

(MB) R3300269-3 04/04/18 23:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) Dibromofluoromethane	*94.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*

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

(LCS) R3300269-1 04/04/18 22:38 • (LCSD) R3300269-2 04/04/18 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.151	0.145	121	116	11.0-160			4.06	23
Acrylonitrile	0.125	0.135	0.127	108	101	61.0-143			6.16	20
Benzene	0.0250	0.0244	0.0248	97.7	99.4	71.0-124			1.67	20
Bromobenzene	0.0250	0.0238	0.0242	95.1	96.8	78.0-120			1.71	20
Bromodichloromethane	0.0250	0.0261	0.0261	105	104	75.0-120			0.342	20
Bromochloromethane	0.0250	0.0255	0.0258	102	103	80.0-121			1.04	20
Bromoform	0.0250	0.0266	0.0258	106	103	65.0-133			2.97	20
Bromomethane	0.0250	0.0237	0.0238	94.6	95.1	26.0-160			0.522	20
n-Butylbenzene	0.0250	0.0251	0.0256	100	102	73.0-126			1.90	20
sec-Butylbenzene	0.0250	0.0253	0.0259	101	104	75.0-121			2.20	20
tert-Butylbenzene	0.0250	0.0263	0.0263	105	105	74.0-122			0.183	20
Carbon disulfide	0.0250	0.0266	0.0269	106	107	53.0-130			0.971	20
Carbon tetrachloride	0.0250	0.0264	0.0244	106	97.8	66.0-123			7.84	20
Chlorobenzene	0.0250	0.0257	0.0263	103	105	79.0-121			2.26	20
Chlorodibromomethane	0.0250	0.0270	0.0267	108	107	74.0-128			1.18	20
Chloroethane	0.0250	0.0237	0.0236	95.0	94.4	51.0-147			0.601	20
Chloroform	0.0250	0.0249	0.0248	99.5	99.0	73.0-123			0.468	20
Chloromethane	0.0250	0.0261	0.0259	104	104	51.0-138			0.655	20
2-Chlorotoluene	0.0250	0.0243	0.0251	97.4	100	72.0-124			3.09	20
4-Chlorotoluene	0.0250	0.0239	0.0242	95.5	96.7	78.0-120			1.21	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0264	0.0251	106	100	65.0-126			5.03	20
1,2-Dibromoethane	0.0250	0.0260	0.0262	104	105	78.0-122			0.859	20
Dibromomethane	0.0250	0.0266	0.0260	106	104	79.0-120			2.41	20
1,2-Dichlorobenzene	0.0250	0.0256	0.0254	102	102	80.0-120			0.534	20
1,3-Dichlorobenzene	0.0250	0.0248	0.0252	99.3	101	72.0-123			1.56	20
1,4-Dichlorobenzene	0.0250	0.0237	0.0243	94.8	97.2	77.0-120			2.47	20
trans-1,4-Dichloro-2-butene	0.0250	0.0305	0.0288	122	115	68.0-126			5.65	20
Dichlorodifluoromethane	0.0250	0.0263	0.0272	105	109	49.0-155			3.35	20
1,1-Dichloroethane	0.0250	0.0257	0.0257	103	103	70.0-128			0.00931	20
1,2-Dichloroethane	0.0250	0.0247	0.0245	98.8	98.1	69.0-128			0.686	20
1,1-Dichloroethene	0.0250	0.0259	0.0257	104	103	63.0-131			0.809	20
cis-1,2-Dichloroethene	0.0250	0.0252	0.0250	101	100	74.0-123			0.773	20
trans-1,2-Dichloroethene	0.0250	0.0251	0.0260	101	104	72.0-122			3.45	20
1,2-Dichloropropane	0.0250	0.0262	0.0263	105	105	75.0-126			0.685	20
1,1-Dichloropropene	0.0250	0.0246	0.0250	98.3	99.9	72.0-130			1.56	20
1,3-Dichloropropane	0.0250	0.0258	0.0258	103	103	80.0-121			0.0161	20
cis-1,3-Dichloropropene	0.0250	0.0256	0.0261	102	104	80.0-125			2.06	20
trans-1,3-Dichloropropene	0.0250	0.0258	0.0259	103	103	75.0-129			0.108	20
2,2-Dichloropropane	0.0250	0.0247	0.0242	98.9	96.6	60.0-129			2.29	20
Di-isopropyl ether	0.0250	0.0258	0.0250	103	100	62.0-133			3.09	20

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

(LCS) R3300269-1 04/04/18 22:38 • (LCSD) R3300269-2 04/04/18 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0265	0.0270	106	108	77.0-120			1.75	20
Hexachloro-1,3-butadiene	0.0250	0.0281	0.0288	112	115	68.0-128			2.38	20
2-Hexanone	0.125	0.153	0.147	123	118	61.0-143			3.78	20
n-Hexane	0.0250	0.0259	0.0271	104	109	57.0-125			4.76	20
Iodomethane	0.125	0.132	0.133	105	107	67.0-132			1.12	20
Isopropylbenzene	0.0250	0.0255	0.0258	102	103	75.0-120			1.14	20
p-Isopropyltoluene	0.0250	0.0253	0.0259	101	103	74.0-125			2.25	20
2-Butanone (MEK)	0.125	0.150	0.142	120	113	37.0-159			5.39	20
Methylene Chloride	0.0250	0.0254	0.0250	102	100	67.0-123			1.59	20
4-Methyl-2-pentanone (MIBK)	0.125	0.143	0.137	115	110	60.0-144			4.36	20
Methyl tert-butyl ether	0.0250	0.0262	0.0253	105	101	66.0-125			3.54	20
Naphthalene	0.0250	0.0260	0.0257	104	103	64.0-125			1.19	20
n-Propylbenzene	0.0250	0.0248	0.0250	99.0	99.9	78.0-120			0.829	20
Styrene	0.0250	0.0269	0.0272	108	109	78.0-124			1.06	20
1,1,1,2-Tetrachloroethane	0.0250	0.0269	0.0273	108	109	74.0-124			1.48	20
1,1,2,2-Tetrachloroethane	0.0250	0.0240	0.0239	95.9	95.6	73.0-120			0.383	20
Tetrachloroethene	0.0250	0.0262	0.0272	105	109	70.0-127			3.92	20
Toluene	0.0250	0.0249	0.0258	99.5	103	77.0-120			3.60	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0259	0.0259	104	104	64.0-135			0.0447	20
1,2,3-Trichlorobenzene	0.0250	0.0262	0.0266	105	106	68.0-126			1.48	20
1,2,4-Trichlorobenzene	0.0250	0.0249	0.0253	99.8	101	70.0-127			1.48	20
1,1,1-Trichloroethane	0.0250	0.0256	0.0255	102	102	69.0-125			0.400	20
1,1,2-Trichloroethane	0.0250	0.0262	0.0251	105	100	78.0-120			4.11	20
Trichloroethene	0.0250	0.0265	0.0269	106	108	79.0-120			1.54	20
Trichlorofluoromethane	0.0250	0.0261	0.0264	104	105	59.0-136			1.17	20
1,2,3-Trichloropropane	0.0250	0.0245	0.0241	98.2	96.5	73.0-124			1.73	20
1,2,3-Trimethylbenzene	0.0250	0.0250	0.0253	100	101	76.0-120			0.910	20
1,2,4-Trimethylbenzene	0.0250	0.0249	0.0255	99.5	102	75.0-120			2.65	20
1,3,5-Trimethylbenzene	0.0250	0.0250	0.0258	100	103	75.0-120			2.92	20
Vinyl acetate	0.125	0.123	0.120	98.2	96.1	58.0-156			2.13	20
Vinyl chloride	0.0250	0.0280	0.0280	112	112	63.0-134			0.128	20
Xylenes, Total	0.0750	0.0800	0.0820	107	109	77.0-120			2.47	20
(S) Toluene-d8				*107*	*110*	*80.0-120*				
(S) Dibromofluoromethane				*95.1*	*93.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*92.3*	*91.8*	*64.0-132*				

L982619-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L982619-04 04/05/18 07:30 • (MS) R3300269-4 04/05/18 07:51 • (MSD) R3300269-5 04/05/18 08:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.146	U	0.0915	0.0916	73.2	73.3	1	10.0-160			0.0535	36
Acrylonitrile	0.146	U	0.125	0.123	100	98.7	1	14.0-160			1.41	33
Benzene	0.0291	U	0.0211	0.0213	84.4	85.4	1	13.0-146			1.15	27
Bromobenzene	0.0291	U	0.0165	0.0169	66.1	67.7	1	10.0-149			2.39	33
Bromodichloromethane	0.0291	U	0.0216	0.0218	86.3	87.4	1	15.0-142			1.23	28
Bromochloromethane	0.0291	U	0.0214	0.0215	85.8	86.2	1	24.0-146			0.495	27
Bromoform	0.0291	U	0.0217	0.0212	86.6	84.9	1	10.0-147			2.04	31
Bromomethane	0.0291	U	0.0208	0.0203	83.4	81.1	1	10.0-160			2.77	32
n-Butylbenzene	0.0291	U	0.0144	0.0148	57.6	59.3	1	10.0-154			2.83	37
sec-Butylbenzene	0.0291	U	0.0167	0.0174	66.7	69.6	1	10.0-151			4.30	36
tert-Butylbenzene	0.0291	U	0.0185	0.0187	74.0	75.0	1	10.0-152			1.25	35
Carbon disulfide	0.0291	U	0.0218	0.0214	87.0	85.6	1	10.0-141			1.69	30
Carbon tetrachloride	0.0291	U	0.0225	0.0224	90.1	89.7	1	13.0-140			0.457	30
Chlorobenzene	0.0291	U	0.0186	0.0191	74.5	76.4	1	10.0-149			2.45	31
Chlorodibromomethane	0.0291	U	0.0213	0.0223	85.4	89.0	1	12.0-147			4.18	29
Chloroethane	0.0291	U	0.0217	0.0209	86.9	83.5	1	10.0-159			3.99	33
Chloroform	0.0291	U	0.0213	0.0213	85.0	85.0	1	18.0-148			0.00339	28
Chloromethane	0.0291	U	0.0237	0.0228	95.0	91.0	1	10.0-146			4.24	29
2-Chlorotoluene	0.0291	U	0.0166	0.0174	66.6	69.5	1	10.0-151			4.28	35
4-Chlorotoluene	0.0291	U	0.0151	0.0159	60.4	63.5	1	10.0-150			5.01	35
1,2-Dibromo-3-Chloropropane	0.0291	U	0.0220	0.0230	88.0	91.9	1	10.0-149			4.44	34
1,2-Dibromoethane	0.0291	U	0.0217	0.0215	86.8	86.2	1	14.0-145			0.781	28
Dibromomethane	0.0291	U	0.0222	0.0229	88.9	91.6	1	18.0-144			2.97	27
1,2-Dichlorobenzene	0.0291	U	0.0148	0.0156	59.4	62.5	1	10.0-153			5.19	34
1,3-Dichlorobenzene	0.0291	U	0.0145	0.0152	58.1	61.0	1	10.0-150			4.83	35
1,4-Dichlorobenzene	0.0291	U	0.0136	0.0145	54.4	57.9	1	10.0-148			6.20	34
trans-1,4-Dichloro-2-butene	0.0291	U	0.0250	0.0246	99.9	98.3	1	10.0-160			1.60	40
Dichlorodifluoromethane	0.0291	U	0.0252	0.0239	101	95.4	1	10.0-160			5.60	30
1,1-Dichloroethane	0.0291	U	0.0226	0.0218	90.2	87.4	1	19.0-148			3.18	28
1,2-Dichloroethane	0.0291	U	0.0219	0.0216	87.4	86.3	1	17.0-147			1.32	27
1,1-Dichloroethene	0.0291	0.000964	0.0222	0.0217	84.8	82.9	1	10.0-150			2.13	31
cis-1,2-Dichloroethene	0.0291	0.122	0.0577	0.0478	0.000	0.000	1	16.0-145	V	V	18.8	28
trans-1,2-Dichloroethene	0.0291	0.000532	0.0219	0.0212	85.4	82.7	1	11.0-142			3.14	29
1,2-Dichloropropane	0.0291	U	0.0215	0.0222	86.1	88.8	1	17.0-148			3.04	28
1,1-Dichloropropene	0.0291	U	0.0208	0.0209	83.3	83.5	1	10.0-150			0.302	30
1,3-Dichloropropane	0.0291	U	0.0210	0.0212	83.8	84.7	1	16.0-148			1.10	27
cis-1,3-Dichloropropene	0.0291	U	0.0192	0.0198	76.6	79.2	1	13.0-150			3.32	28
trans-1,3-Dichloropropene	0.0291	U	0.0228	0.0218	91.2	87.2	1	10.0-152			4.49	29
2,2-Dichloropropane	0.0291	U	0.0209	0.0200	83.8	80.2	1	16.0-143			4.41	30
Di-isopropyl ether	0.0291	U	0.0218	0.0221	87.2	88.4	1	16.0-149			1.36	28

L982619-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L982619-04 04/05/18 07:30 • (MS) R3300269-4 04/05/18 07:51 • (MSD) R3300269-5 04/05/18 08:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0291	U	0.0192	0.0199	76.7	79.6	1	10.0-147			3.79	31
Hexachloro-1,3-butadiene	0.0291	U	0.0146	0.0148	58.3	59.4	1	10.0-154			1.84	40
2-Hexanone	0.146	U	0.127	0.126	102	101	1	12.0-158			0.586	30
n-Hexane	0.0291	U	0.0204	0.0197	81.5	78.7	1	10.0-140			3.51	34
Iodomethane	0.146	U	0.110	0.110	88.2	87.7	1	10.0-157			0.624	34
Isopropylbenzene	0.0291	U	0.0185	0.0190	73.8	75.8	1	10.0-147			2.68	33
p-Isopropyltoluene	0.0291	U	0.0162	0.0167	64.9	66.8	1	10.0-156			2.97	37
2-Butanone (MEK)	0.146	U	0.126	0.122	101	97.5	1	10.0-160			3.56	33
Methylene Chloride	0.0291	U	0.0212	0.0215	84.7	85.9	1	16.0-139			1.41	29
4-Methyl-2-pentanone (MIBK)	0.146	U	0.137	0.139	110	111	1	12.0-160			1.32	32
Methyl tert-butyl ether	0.0291	U	0.0235	0.0234	94.0	93.6	1	21.0-145			0.448	29
Naphthalene	0.0291	U	0.0131	0.0148	52.4	59.3	1	10.0-153			12.3	36
n-Propylbenzene	0.0291	U	0.0169	0.0173	67.5	69.1	1	10.0-151			2.38	34
Styrene	0.0291	U	0.0174	0.0181	69.7	72.3	1	10.0-155			3.66	34
1,1,1,2-Tetrachloroethane	0.0291	U	0.0207	0.0210	82.7	84.2	1	10.0-147			1.76	30
1,1,2,2-Tetrachloroethane	0.0291	U	0.0216	0.0216	86.5	86.5	1	10.0-155			0.00245	31
Tetrachloroethene	0.0291		1.23	0.763	0.000	0.000	1	10.0-144	E V	E J3 V	46.8	32
Toluene	0.0291	U	0.0192	0.0196	76.7	78.2	1	10.0-144			1.99	28
1,1,2-Trichlorotrifluoroethane	0.0291	U	0.0226	0.0219	90.4	87.7	1	10.0-153			2.96	33
1,2,3-Trichlorobenzene	0.0291	U	0.00978	0.0114	39.1	45.5	1	10.0-153			15.0	40
1,2,4-Trichlorobenzene	0.0291	U	0.00917	0.0105	36.7	42.0	1	10.0-156			13.5	40
1,1,1-Trichloroethane	0.0291	U	0.0226	0.0221	90.2	88.4	1	18.0-145			2.04	29
1,1,2-Trichloroethane	0.0291	U	0.0207	0.0213	82.9	85.2	1	12.0-151			2.75	28
Trichloroethene	0.0291	0.0614	0.0457	0.0387	0.000	0.000	1	11.0-148	J6	J6	16.7	29
Trichlorofluoromethane	0.0291	U	0.0231	0.0227	92.5	90.7	1	10.0-157			1.94	34
1,2,3-Trichloropropane	0.0291	U	0.0220	0.0220	87.9	88.1	1	10.0-154			0.211	32
1,2,3-Trimethylbenzene	0.0291	U	0.0165	0.0174	66.1	69.7	1	10.0-150			5.40	33
1,2,4-Trimethylbenzene	0.0291	U	0.0161	0.0168	64.4	67.3	1	10.0-151			4.34	34
1,3,5-Trimethylbenzene	0.0291	U	0.0168	0.0176	67.2	70.5	1	10.0-150			4.84	33
Vinyl acetate	0.146	U	0.0629	0.0587	50.3	47.0	1	10.0-160			6.78	40
Vinyl chloride	0.0291	0.0230	0.0314	0.0285	33.4	21.9	1	10.0-150			9.57	29
Xylenes, Total	0.0873	U	0.0571	0.0596	76.1	79.5	1	10.0-150			4.28	31
(S) Toluene-d8					*102*	*103*		*80.0-120*				
(S) Dibromofluoromethane					*101*	*99.0*		*74.0-131*				
(S) 4-Bromofluorobenzene					*93.2*	*90.7*		*64.0-132*				

Method Blank (MB)

(MB) R3300261-3 04/06/18 22:19

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

Method Blank (MB)

(MB) R3300261-3 04/06/18 22:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	0.000310	J	0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*95.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*

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

(LCS) R3300261-1 04/06/18 21:20 • (LCSD) R3300261-2 04/06/18 21:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0516	0.0536	41.2	42.9	11.0-160			3.86	23
Acrylonitrile	0.125	0.0985	0.105	78.8	84.0	61.0-143			6.45	20
Benzene	0.0250	0.0224	0.0230	89.8	92.1	71.0-124			2.50	20
Bromobenzene	0.0250	0.0206	0.0211	82.4	84.4	78.0-120			2.47	20
Bromodichloromethane	0.0250	0.0197	0.0203	78.7	81.1	75.0-120			3.08	20
Bromochloromethane	0.0250	0.0257	0.0260	103	104	80.0-121			1.38	20
Bromoform	0.0250	0.0175	0.0181	70.0	72.6	65.0-133			3.58	20
Bromomethane	0.0250	0.0238	0.0242	95.1	96.8	26.0-160			1.74	20
n-Butylbenzene	0.0250	0.0225	0.0228	89.9	91.1	73.0-126			1.34	20
sec-Butylbenzene	0.0250	0.0241	0.0236	96.3	94.5	75.0-121			1.90	20
tert-Butylbenzene	0.0250	0.0235	0.0240	94.2	95.9	74.0-122			1.85	20
Carbon disulfide	0.0250	0.0183	0.0188	73.2	75.2	53.0-130			2.74	20
Carbon tetrachloride	0.0250	0.0218	0.0221	87.1	88.6	66.0-123			1.71	20
Chlorobenzene	0.0250	0.0269	0.0270	108	108	79.0-121			0.381	20
Chlorodibromomethane	0.0250	0.0221	0.0224	88.3	89.7	74.0-128			1.60	20
Chloroethane	0.0250	0.0219	0.0226	87.4	90.5	51.0-147			3.46	20
Chloroform	0.0250	0.0217	0.0222	86.7	89.0	73.0-123			2.59	20
Chloromethane	0.0250	0.0182	0.0183	72.7	73.3	51.0-138			0.762	20
2-Chlorotoluene	0.0250	0.0223	0.0225	89.1	89.9	72.0-124			0.982	20
4-Chlorotoluene	0.0250	0.0226	0.0225	90.2	90.0	78.0-120			0.220	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0199	0.0209	79.6	83.7	65.0-126			5.01	20
1,2-Dibromoethane	0.0250	0.0251	0.0255	101	102	78.0-122			1.56	20
Dibromomethane	0.0250	0.0215	0.0230	85.9	91.8	79.0-120			6.61	20
1,2-Dichlorobenzene	0.0250	0.0245	0.0248	98.0	99.1	80.0-120			1.13	20
1,3-Dichlorobenzene	0.0250	0.0247	0.0250	98.7	100	72.0-123			1.27	20
1,4-Dichlorobenzene	0.0250	0.0240	0.0243	96.0	97.1	77.0-120			1.18	20
trans-1,4-Dichloro-2-butene	0.0250	0.0180	0.0187	72.1	74.8	68.0-126			3.68	20
Dichlorodifluoromethane	0.0250	0.0231	0.0229	92.5	91.5	49.0-155			0.992	20
1,1-Dichloroethane	0.0250	0.0230	0.0232	91.8	92.6	70.0-128			0.840	20
1,2-Dichloroethane	0.0250	0.0222	0.0228	88.6	91.1	69.0-128			2.74	20
1,1-Dichloroethene	0.0250	0.0218	0.0223	87.2	89.3	63.0-131			2.41	20
cis-1,2-Dichloroethene	0.0250	0.0227	0.0233	90.8	93.3	74.0-123			2.73	20
trans-1,2-Dichloroethene	0.0250	0.0217	0.0221	86.9	88.3	72.0-122			1.53	20
1,2-Dichloropropane	0.0250	0.0219	0.0230	87.8	92.1	75.0-126			4.79	20
1,1-Dichloropropene	0.0250	0.0237	0.0239	95.0	95.4	72.0-130			0.479	20
1,3-Dichloropropane	0.0250	0.0247	0.0254	98.9	101	80.0-121			2.55	20
cis-1,3-Dichloropropene	0.0250	0.0242	0.0248	96.9	99.2	80.0-125			2.43	20
trans-1,3-Dichloropropene	0.0250	0.0238	0.0245	95.2	97.9	75.0-129			2.87	20
2,2-Dichloropropane	0.0250	0.0212	0.0213	84.8	85.2	60.0-129			0.486	20
Di-isopropyl ether	0.0250	0.0183	0.0188	73.1	75.2	62.0-133			2.85	20

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

(LCS) R3300261-1 04/06/18 21:20 • (LCSD) R3300261-2 04/06/18 21:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0250	0.0244	99.9	97.5	77.0-120			2.35	20
Hexachloro-1,3-butadiene	0.0250	0.0255	0.0255	102	102	68.0-128			0.211	20
2-Hexanone	0.125	0.105	0.110	84.2	88.2	61.0-143			4.63	20
n-Hexane	0.0250	0.0182	0.0184	73.0	73.6	57.0-125			0.830	20
Iodomethane	0.125	0.129	0.130	103	104	67.0-132			1.21	20
Isopropylbenzene	0.0250	0.0215	0.0213	85.9	85.0	75.0-120			1.00	20
p-Isopropyltoluene	0.0250	0.0244	0.0241	97.4	96.4	74.0-125			1.09	20
2-Butanone (MEK)	0.125	0.0663	0.0697	53.0	55.7	37.0-159			4.96	20
Methylene Chloride	0.0250	0.0220	0.0226	88.2	90.4	67.0-123			2.56	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0984	0.102	78.7	81.7	60.0-144			3.74	20
Methyl tert-butyl ether	0.0250	0.0218	0.0226	87.4	90.4	66.0-125			3.40	20
Naphthalene	0.0250	0.0236	0.0244	94.5	97.7	64.0-125			3.29	20
n-Propylbenzene	0.0250	0.0225	0.0224	89.9	89.7	78.0-120			0.215	20
Styrene	0.0250	0.0209	0.0207	83.5	82.8	78.0-124			0.816	20
1,1,1,2-Tetrachloroethane	0.0250	0.0238	0.0240	95.3	95.9	74.0-124			0.586	20
1,1,2,2-Tetrachloroethane	0.0250	0.0197	0.0207	78.7	82.6	73.0-120			4.81	20
Tetrachloroethene	0.0250	0.0267	0.0264	107	106	70.0-127			1.10	20
Toluene	0.0250	0.0243	0.0242	97.2	96.9	77.0-120			0.224	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0231	0.0237	92.3	94.8	64.0-135			2.66	20
1,2,3-Trichlorobenzene	0.0250	0.0275	0.0281	110	112	68.0-126			1.88	20
1,2,4-Trichlorobenzene	0.0250	0.0272	0.0272	109	109	70.0-127			0.0243	20
1,1,1-Trichloroethane	0.0250	0.0208	0.0209	83.3	83.6	69.0-125			0.397	20
1,1,2-Trichloroethane	0.0250	0.0243	0.0248	97.1	99.1	78.0-120			2.01	20
Trichloroethene	0.0250	0.0257	0.0268	103	107	79.0-120			4.18	20
Trichlorofluoromethane	0.0250	0.0246	0.0246	98.6	98.5	59.0-136			0.0844	20
1,2,3-Trichloropropane	0.0250	0.0200	0.0213	80.0	85.1	73.0-124			6.18	20
1,2,3-Trimethylbenzene	0.0250	0.0245	0.0248	97.8	99.0	76.0-120			1.21	20
1,2,4-Trimethylbenzene	0.0250	0.0223	0.0226	89.4	90.3	75.0-120			0.962	20
1,3,5-Trimethylbenzene	0.0250	0.0226	0.0226	90.4	90.2	75.0-120			0.232	20
Vinyl acetate	0.125	0.0778	0.0766	62.2	61.2	58.0-156			1.57	20
Vinyl chloride	0.0250	0.0223	0.0218	89.2	87.3	63.0-134			2.16	20
Xylenes, Total	0.0750	0.0744	0.0743	99.2	99.1	77.0-120			0.135	20
(S) Toluene-d8				*109*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*96.0*	*97.3*	*74.0-131*				
(S) 4-Bromofluorobenzene				*89.6*	*88.6*	*64.0-132*				

L983211-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983211-02 04/07/18 19:03 • (MS) R3300261-4 04/07/18 20:02 • (MSD) R3300261-5 04/07/18 20:21

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	U	0.445	0.653	14.2	20.9	25	10.0-160		J3	38.0	36
Acrylonitrile	0.125	U	1.37	1.35	43.9	43.3	25	14.0-160			1.37	33
Benzene	0.0250	U	0.274	0.265	43.8	42.5	25	13.0-146			3.14	27
Bromobenzene	0.0250	U	0.253	0.250	40.4	40.0	25	10.0-149			0.919	33
Bromodichloromethane	0.0250	U	0.240	0.237	38.4	37.9	25	15.0-142			1.21	28
Bromochloromethane	0.0250	U	0.306	0.298	49.0	47.6	25	24.0-146			2.92	27
Bromoform	0.0250	U	0.199	0.204	31.8	32.6	25	10.0-147			2.55	31
Bromomethane	0.0250	U	0.154	0.146	24.6	23.4	25	10.0-160			4.81	32
n-Butylbenzene	0.0250	U	0.262	0.257	41.8	41.2	25	10.0-154			1.66	37
sec-Butylbenzene	0.0250	U	0.292	0.285	46.7	45.6	25	10.0-151			2.32	36
tert-Butylbenzene	0.0250	U	0.291	0.290	46.5	46.3	25	10.0-152			0.393	35
Carbon disulfide	0.0250	U	0.176	0.175	28.1	27.9	25	10.0-141			0.691	30
Carbon tetrachloride	0.0250	U	0.260	0.249	41.6	39.8	25	13.0-140			4.36	30
Chlorobenzene	0.0250	U	0.310	0.299	49.7	47.9	25	10.0-149			3.62	31
Chlorodibromomethane	0.0250	U	0.254	0.239	40.6	38.2	25	12.0-147			6.07	29
Chloroethane	0.0250	U	0.0569	0.0523	9.11	8.36	25	10.0-159	J6	J6	8.54	33
Chloroform	0.0250	U	0.267	0.259	42.7	41.5	25	18.0-148			2.80	28
Chloromethane	0.0250	U	0.247	0.242	39.5	38.7	25	10.0-146			1.99	29
2-Chlorotoluene	0.0250	U	0.264	0.263	42.3	42.1	25	10.0-151			0.488	35
4-Chlorotoluene	0.0250	U	0.261	0.260	41.7	41.6	25	10.0-150			0.387	35
1,2-Dibromo-3-Chloropropane	0.0250	U	0.232	0.249	37.1	39.9	25	10.0-149			7.09	34
1,2-Dibromoethane	0.0250	U	0.298	0.290	47.8	46.3	25	14.0-145			3.00	28
Dibromomethane	0.0250	U	0.272	0.266	43.5	42.5	25	18.0-144			2.26	27
1,2-Dichlorobenzene	0.0250	U	0.293	0.294	46.8	47.1	25	10.0-153			0.561	34
1,3-Dichlorobenzene	0.0250	U	0.288	0.286	46.1	45.7	25	10.0-150			0.791	35
1,4-Dichlorobenzene	0.0250	U	0.277	0.277	44.4	44.3	25	10.0-148			0.236	34
trans-1,4-Dichloro-2-butene	0.0250	U	0.237	0.236	37.9	37.8	25	10.0-160			0.325	40
Dichlorodifluoromethane	0.0250	U	0.312	0.313	49.9	50.1	25	10.0-160			0.408	30
1,1-Dichloroethane	0.0250	U	0.278	0.267	44.6	42.7	25	19.0-148			4.20	28
1,2-Dichloroethane	0.0250	U	0.274	0.266	43.8	42.5	25	17.0-147			3.00	27
1,1-Dichloroethene	0.0250	U	0.236	0.226	37.8	36.2	25	10.0-150			4.23	31
cis-1,2-Dichloroethene	0.0250	0.185	0.466	0.447	44.9	41.9	25	16.0-145			4.07	28
trans-1,2-Dichloroethene	0.0250	U	0.247	0.241	39.5	38.6	25	11.0-142			2.32	29
1,2-Dichloropropane	0.0250	U	0.290	0.275	46.4	44.0	25	17.0-148			5.28	28
1,1-Dichloropropene	0.0250	U	0.275	0.270	43.9	43.2	25	10.0-150			1.75	30
1,3-Dichloropropane	0.0250	U	0.308	0.296	49.2	47.4	25	16.0-148			3.73	27
cis-1,3-Dichloropropene	0.0250	U	0.281	0.264	45.0	42.3	25	13.0-150			6.19	28
trans-1,3-Dichloropropene	0.0250	U	0.268	0.262	42.8	41.9	25	10.0-152			2.15	29
2,2-Dichloropropane	0.0250	U	0.219	0.216	35.0	34.6	25	16.0-143			1.20	30
Di-isopropyl ether	0.0250	U	0.229	0.225	36.7	36.1	25	16.0-149			1.69	28

L983211-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983211-02 04/07/18 19:03 • (MS) R3300261-4 04/07/18 20:02 • (MSD) R3300261-5 04/07/18 20:21

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	U	0.294	0.284	47.0	45.5	25	10.0-147			3.23	31
Hexachloro-1,3-butadiene	0.0250	U	0.296	0.291	47.4	46.5	25	10.0-154			1.77	40
2-Hexanone	0.125	U	1.30	1.39	41.4	44.6	25	12.0-158			7.28	30
n-Hexane	0.0250	U	0.227	0.214	36.4	34.3	25	10.0-140			5.97	34
Iodomethane	0.125	U	1.44	1.42	46.0	45.5	25	10.0-157			1.19	34
Isopropylbenzene	0.0250	U	0.257	0.255	41.1	40.8	25	10.0-147			0.762	33
p-Isopropyltoluene	0.0250	U	0.281	0.275	44.9	44.0	25	10.0-156			2.07	37
2-Butanone (MEK)	0.125	U	0.850	0.992	27.2	31.7	25	10.0-160			15.4	33
Methylene Chloride	0.0250	U	0.277	0.268	44.3	42.9	25	16.0-139			3.18	29
4-Methyl-2-pentanone (MIBK)	0.125	U	1.28	1.25	40.8	40.0	25	12.0-160			2.16	32
Methyl tert-butyl ether	0.0250	U	0.279	0.277	44.7	44.3	25	21.0-145			0.898	29
Naphthalene	0.0250	U	0.281	0.294	45.0	47.0	25	10.0-153			4.33	36
n-Propylbenzene	0.0250	U	0.265	0.261	42.3	41.8	25	10.0-151			1.32	34
Styrene	0.0250	U	0.261	0.258	41.8	41.3	25	10.0-155			1.22	34
1,1,1,2-Tetrachloroethane	0.0250	U	0.277	0.274	44.4	43.8	25	10.0-147			1.33	30
1,1,2,2-Tetrachloroethane	0.0250	U	0.207	0.205	33.1	32.8	25	10.0-155			0.786	31
Tetrachloroethene	0.0250	0.187	0.491	0.474	48.5	45.8	25	10.0-144			3.55	32
Toluene	0.0250	1.98	2.32	2.19	54.6	34.5	25	10.0-144			5.59	28
1,1,2-Trichlorotrifluoroethane	0.0250	U	0.263	0.245	42.1	39.3	25	10.0-153			7.01	33
1,2,3-Trichlorobenzene	0.0250	U	0.320	0.322	51.1	51.5	25	10.0-153			0.782	40
1,2,4-Trichlorobenzene	0.0250	U	0.305	0.303	48.9	48.4	25	10.0-156			0.968	40
1,1,1-Trichloroethane	0.0250	U	0.245	0.239	39.2	38.3	25	18.0-145			2.43	29
1,1,2-Trichloroethane	0.0250	U	0.301	0.286	48.2	45.8	25	12.0-151			5.17	28
Trichloroethene	0.0250	0.0184	0.365	0.355	55.4	53.9	25	11.0-148			2.57	29
Trichlorofluoromethane	0.0250	U	0.0887	0.0788	14.2	12.6	25	10.0-157			11.9	34
1,2,3-Trichloropropane	0.0250	U	0.258	0.255	41.3	40.8	25	10.0-154			1.25	32
1,2,3-Trimethylbenzene	0.0250	U	0.301	0.301	48.2	48.1	25	10.0-150			0.191	33
1,2,4-Trimethylbenzene	0.0250	U	0.268	0.269	42.9	43.1	25	10.0-151			0.398	34
1,3,5-Trimethylbenzene	0.0250	U	0.269	0.269	43.1	43.1	25	10.0-150			0.103	33
Vinyl acetate	0.125	U	0.0983	0.0623	3.15	1.99	25	10.0-160	J6	J3 J6	44.8	40
Vinyl chloride	0.0250	0.00945	0.289	0.280	44.7	43.4	25	10.0-150			3.01	29
Xylenes, Total	0.0750	0.0311	0.913	0.875	47.0	45.0	25	10.0-150			4.25	31
(S) Toluene-d8					*107*	*104*		*80.0-120*				
(S) Dibromofluoromethane					*94.7*	*96.6*		*74.0-131*				
(S) 4-Bromofluorobenzene					*88.1*	*89.9*		*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

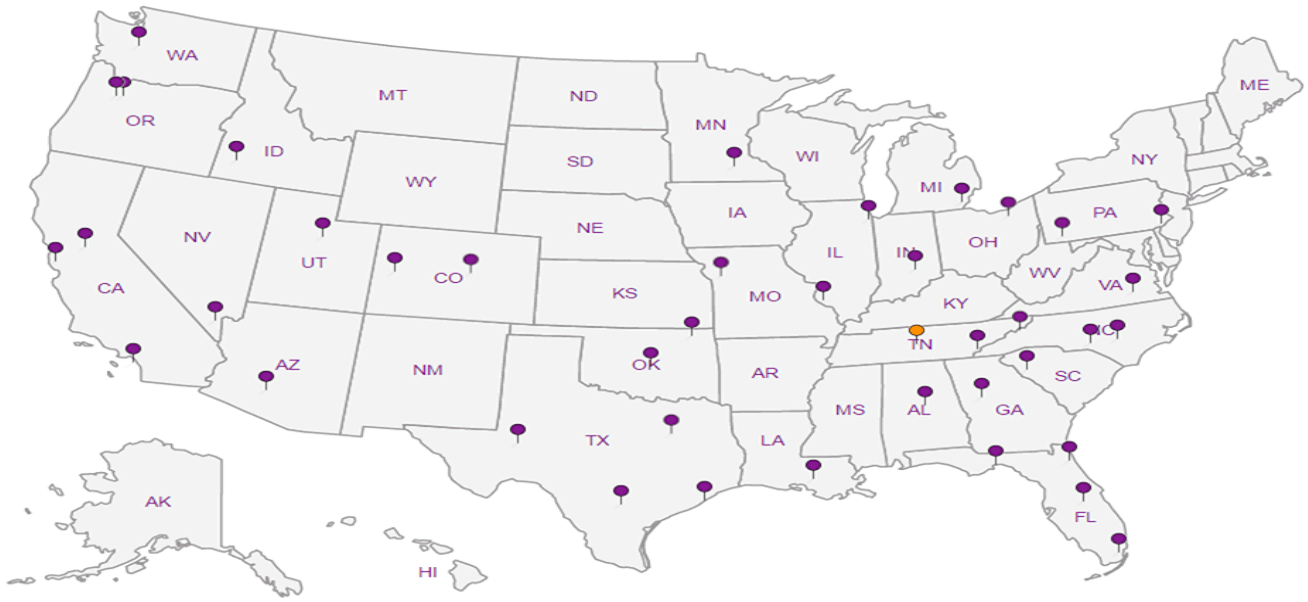
Third Party Federal Accreditations

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

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

Our Locations

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



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1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Kim Johnson

Immediately Packed on Ice N ___ Y ___

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

Date Results Needed

Quote #

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOCs V8260C 40ml/NaHS04/Syr/MeOH	dry wt, voc screen 2ozClr-NoPres	Remarks	Sample ID (lab only)
B-240-5	Grab	SS	5	4-2-18	0928	5	X	X	X		-01
B-240-10		SS	10		0936						-02
B-240-15		SS	15		0941						-03
B-240-20		SS	20		0948						-04
B-240-25		SS	25		0957						-05
B-240-30		SS	30		1004						-06
B-240-35		SS	35		1011						-07
B-240-42		SS	42		~~1017~~ 1028						-08
B-240-45		SS	45		1034						-09
B-240-50	X	SS	50	X	1125	X	X	X	X		-10

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
a subsidiary of Pace Analytical

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

L# 982616 982619

Table #

Acctnum: PESENVSWA
Template: T134189
Prelogin: P645236
TSR: 110 - Brian Ford
PB: 3-22-18

Shipped Via: FedEX Ground

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

Remarks:

Signee RM

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
R McLaughlin	4-2-18	1600		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.6 °C Bottles Received: 10 5
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Kathryn Coon	Date: 4/3/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
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12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
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Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: Seattle WA

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

Client Project #: 1413.001.05.601

Lab Project #: PESENVSWA-ALP

L# 982676 982619

Table #

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Acctnum: PESENVSWA
Template: T134189
Prelogin: P645236
TSR: 110 - Brian Ford
PB: 3-22-18
Shipped Via: FedEX Ground

Collected by (signature): Dan Johnson

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

Quote #

Date Results Needed

Immediately Packed on Ice N X Y ___

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOCs V8260C 40ml/NaHS04/Syr/MeOH	dry wt, voc screen 2ozClr-NoPres								Remarks	Sample # (lab only)
B-240-55	Grab	SS	55	4-2-18	1143	5	X	X										-21 -11
B-240-60	↓	SS	60	↓	1151	↓	↓	↓										-22 -12
B-240-65	↓	SS	65	↓	1205	↓	↓	↓										-23 -13
B-240-70	↓	SS	70	↓	1213	↓	↓	↓										-24 -14
B-240-75	↓	SS	75	↓	1222	↓	↓	↓										-25 -15
B-240-80	X	SS	80	X	1231	X	X	X										-26 -16
		SS																
		SS																
		SS																
		SS																

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

Remarks:

pH ______ Temp ______
Flow ______ Other ______

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

Tracking #

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

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
R.T. McLaughlin	4-2-18	1600			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.6 °C Bottles Received: 108	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Kathrine Cason	Date: 4/3/18 Time: 0845	Hold: Condition: NCF / OK

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	04/05/2018 14:11	WG1093997

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0552	1	04/05/2018 06:27	WG1093771
Acrylonitrile	U		0.00198	0.0110	1	04/05/2018 06:27	WG1093771
Benzene	U		0.000298	0.00110	1	04/05/2018 06:27	WG1093771
Bromobenzene	U		0.000313	0.00110	1	04/05/2018 06:27	WG1093771
Bromodichloromethane	U		0.000280	0.00110	1	04/05/2018 06:27	WG1093771
Bromochloromethane	U		0.000430	0.00552	1	04/05/2018 06:27	WG1093771
Bromoform	U		0.000468	0.00110	1	04/05/2018 06:27	WG1093771
Bromomethane	U		0.00148	0.00552	1	04/05/2018 06:27	WG1093771
n-Butylbenzene	U		0.000285	0.00110	1	04/05/2018 06:27	WG1093771
sec-Butylbenzene	U		0.000222	0.00110	1	04/05/2018 06:27	WG1093771
tert-Butylbenzene	U		0.000227	0.00110	1	04/05/2018 06:27	WG1093771
Carbon disulfide	0.000247	J J	0.000244	0.00110	1	04/05/2018 06:27	WG1093771
Carbon tetrachloride	U		0.000362	0.00110	1	04/05/2018 06:27	WG1093771
Chlorobenzene	U		0.000234	0.00110	1	04/05/2018 06:27	WG1093771
Chlorodibromomethane	U		0.000412	0.00110	1	04/05/2018 06:27	WG1093771
Chloroethane	U		0.00104	0.00552	1	04/05/2018 06:27	WG1093771
Chloroform	U		0.000253	0.00552	1	04/05/2018 06:27	WG1093771
Chloromethane	U		0.000414	0.00276	1	04/05/2018 06:27	WG1093771
2-Chlorotoluene	U		0.000332	0.00110	1	04/05/2018 06:27	WG1093771
4-Chlorotoluene	U		0.000265	0.00110	1	04/05/2018 06:27	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/05/2018 06:27	WG1093771
1,2-Dibromoethane	U		0.000378	0.00110	1	04/05/2018 06:27	WG1093771
Dibromomethane	U		0.000422	0.00110	1	04/05/2018 06:27	WG1093771
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/05/2018 06:27	WG1093771
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/05/2018 06:27	WG1093771
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/05/2018 06:27	WG1093771
Dichlorodifluoromethane	U		0.000787	0.00552	1	04/05/2018 06:27	WG1093771
1,1-Dichloroethane	U		0.000220	0.00110	1	04/05/2018 06:27	WG1093771
1,2-Dichloroethane	U		0.000292	0.00110	1	04/05/2018 06:27	WG1093771
1,1-Dichloroethene	U		0.000334	0.00110	1	04/05/2018 06:27	WG1093771
cis-1,2-Dichloroethene	0.00274		0.000259	0.00110	1	04/05/2018 06:27	WG1093771
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/05/2018 06:27	WG1093771
1,2-Dichloropropane	U		0.000395	0.00110	1	04/05/2018 06:27	WG1093771
1,1-Dichloropropene	U		0.000350	0.00110	1	04/05/2018 06:27	WG1093771
1,3-Dichloropropane	U		0.000228	0.00110	1	04/05/2018 06:27	WG1093771
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/05/2018 06:27	WG1093771
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/05/2018 06:27	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	04/05/2018 06:27	WG1093771
2,2-Dichloropropane	U		0.000308	0.00110	1	04/05/2018 06:27	WG1093771
Di-isopropyl ether	U		0.000274	0.00110	1	04/05/2018 06:27	WG1093771
Ethylbenzene	U		0.000328	0.00110	1	04/05/2018 06:27	WG1093771
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/05/2018 06:27	WG1093771
2-Hexanone	U		0.00151	0.0110	1	04/05/2018 06:27	WG1093771
n-Hexane	U		0.000320	0.0110	1	04/05/2018 06:27	WG1093771
Iodomethane	U		0.00279	0.0110	1	04/05/2018 06:27	WG1093771
Isopropylbenzene	U		0.000268	0.00110	1	04/05/2018 06:27	WG1093771
p-Isopropyltoluene	U		0.000225	0.00110	1	04/05/2018 06:27	WG1093771
2-Butanone (MEK)	U		0.00516	0.0110	1	04/05/2018 06:27	WG1093771
Methylene Chloride	U		0.00110	0.00552	1	04/05/2018 06:27	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/05/2018 06:27	WG1093771

JC 4/25/18

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/05/2018 06:27	WG1093771
Naphthalene	U		0.00110	0.00552	1	04/05/2018 06:27	WG1093771
n-Propylbenzene	U		0.000227	0.00110	1	04/05/2018 06:27	WG1093771
Styrene	U		0.000258	0.00110	1	04/05/2018 06:27	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/05/2018 06:27	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/05/2018 06:27	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/05/2018 06:27	WG1093771
Tetrachloroethene	0.0231		0.000305	0.00110	1	04/05/2018 06:27	WG1093771
Toluene	U		0.000479	0.00552	1	04/05/2018 06:27	WG1093771
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/05/2018 06:27	WG1093771
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/05/2018 06:27	WG1093771
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/05/2018 06:27	WG1093771
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/05/2018 06:27	WG1093771
Trichloroethene	U		0.000308	0.00110	1	04/05/2018 06:27	WG1093771
Trichlorofluoromethane	U		0.000422	0.00552	1	04/05/2018 06:27	WG1093771
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/05/2018 06:27	WG1093771
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/05/2018 06:27	WG1093771
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/05/2018 06:27	WG1093771
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	04/05/2018 06:27	WG1093771
Vinyl acetate	U		0.00264	0.0110	1	04/05/2018 06:27	WG1093771
Vinyl chloride	U		0.000321	0.00110	1	04/05/2018 06:27	WG1093771
Xylenes, Total	U		0.000770	0.00331	1	04/05/2018 06:27	WG1093771
(S) Toluene-d8	*104*			*80.0-120*		*04/05/2018 06:27*	WG1093771
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/05/2018 06:27*	WG1093771
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/05/2018 06:27*	WG1093771

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0551	1	04/05/2018 06:48	WG1093771
Acrylonitrile	U		0.00197	0.0110	1	04/05/2018 06:48	WG1093771
Benzene	0.000325	J J	0.000298	0.00110	1	04/05/2018 06:48	WG1093771
Bromobenzene	U		0.000313	0.00110	1	04/05/2018 06:48	WG1093771
Bromodichloromethane	U		0.000280	0.00110	1	04/05/2018 06:48	WG1093771
Bromochloromethane	U		0.000430	0.00551	1	04/05/2018 06:48	WG1093771
Bromoform	U		0.000467	0.00110	1	04/05/2018 06:48	WG1093771
Bromomethane	U		0.00148	0.00551	1	04/05/2018 06:48	WG1093771
n-Butylbenzene	U		0.000284	0.00110	1	04/05/2018 06:48	WG1093771
sec-Butylbenzene	U		0.000222	0.00110	1	04/05/2018 06:48	WG1093771
tert-Butylbenzene	U		0.000227	0.00110	1	04/05/2018 06:48	WG1093771
Carbon disulfide	0.000576	J J	0.000244	0.00110	1	04/05/2018 06:48	WG1093771
Carbon tetrachloride	U		0.000362	0.00110	1	04/05/2018 06:48	WG1093771
Chlorobenzene	U		0.000234	0.00110	1	04/05/2018 06:48	WG1093771
Chlorodibromomethane	U		0.000411	0.00110	1	04/05/2018 06:48	WG1093771
Chloroethane	U		0.00104	0.00551	1	04/05/2018 06:48	WG1093771
Chloroform	U		0.000252	0.00551	1	04/05/2018 06:48	WG1093771
Chloromethane	U		0.000413	0.00276	1	04/05/2018 06:48	WG1093771
2-Chlorotoluene	U		0.000332	0.00110	1	04/05/2018 06:48	WG1093771
4-Chlorotoluene	U		0.000265	0.00110	1	04/05/2018 06:48	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/05/2018 06:48	WG1093771
1,2-Dibromoethane	U		0.000378	0.00110	1	04/05/2018 06:48	WG1093771
Dibromomethane	U		0.000421	0.00110	1	04/05/2018 06:48	WG1093771
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/05/2018 06:48	WG1093771
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/05/2018 06:48	WG1093771
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/05/2018 06:48	WG1093771
Dichlorodifluoromethane	U		0.000786	0.00551	1	04/05/2018 06:48	WG1093771
1,1-Dichloroethane	U		0.000219	0.00110	1	04/05/2018 06:48	WG1093771
1,2-Dichloroethane	U		0.000292	0.00110	1	04/05/2018 06:48	WG1093771
1,1-Dichloroethene	U		0.000334	0.00110	1	04/05/2018 06:48	WG1093771
cis-1,2-Dichloroethene	0.0929		0.000259	0.00110	1	04/05/2018 06:48	WG1093771
trans-1,2-Dichloroethene	0.000635	J J	0.000291	0.00110	1	04/05/2018 06:48	WG1093771
1,2-Dichloropropane	U		0.000395	0.00110	1	04/05/2018 06:48	WG1093771
1,1-Dichloropropene	U		0.000349	0.00110	1	04/05/2018 06:48	WG1093771
1,3-Dichloropropane	U		0.000228	0.00110	1	04/05/2018 06:48	WG1093771
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/05/2018 06:48	WG1093771
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/05/2018 06:48	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	04/05/2018 06:48	WG1093771
2,2-Dichloropropane	U		0.000308	0.00110	1	04/05/2018 06:48	WG1093771
Di-isopropyl ether	U		0.000273	0.00110	1	04/05/2018 06:48	WG1093771
Ethylbenzene	U		0.000327	0.00110	1	04/05/2018 06:48	WG1093771
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/05/2018 06:48	WG1093771
2-Hexanone	U		0.00151	0.0110	1	04/05/2018 06:48	WG1093771
n-Hexane	U		0.000320	0.0110	1	04/05/2018 06:48	WG1093771
Iodomethane	U		0.00279	0.0110	1	04/05/2018 06:48	WG1093771
Isopropylbenzene	U		0.000268	0.00110	1	04/05/2018 06:48	WG1093771
p-Isopropyltoluene	U		0.000225	0.00110	1	04/05/2018 06:48	WG1093771
2-Butanone (MEK)	U		0.00516	0.0110	1	04/05/2018 06:48	WG1093771
Methylene Chloride	U		0.00110	0.00551	1	04/05/2018 06:48	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/05/2018 06:48	WG1093771

JC 4/25/18

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/05/2018 06:48	WG1093771
Naphthalene	U		0.00110	0.00551	1	04/05/2018 06:48	WG1093771
n-Propylbenzene	U		0.000227	0.00110	1	04/05/2018 06:48	WG1093771
Styrene	U		0.000258	0.00110	1	04/05/2018 06:48	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/05/2018 06:48	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/05/2018 06:48	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/05/2018 06:48	WG1093771
Tetrachloroethene	1.25		0.00761	0.0276	25	04/10/2018 11:35	WG1093771
Toluene	U		0.000478	0.00551	1	04/05/2018 06:48	WG1093771
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/05/2018 06:48	WG1093771
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/05/2018 06:48	WG1093771
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/05/2018 06:48	WG1093771
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/05/2018 06:48	WG1093771
Trichloroethene	0.0141		0.000308	0.00110	1	04/05/2018 06:48	WG1093771
Trichlorofluoromethane	U		0.000421	0.00551	1	04/05/2018 06:48	WG1093771
1,2,3-Trichloropropane	U		0.000817	0.00276	1	04/05/2018 06:48	WG1093771
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/05/2018 06:48	WG1093771
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/05/2018 06:48	WG1093771
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/05/2018 06:48	WG1093771
Vinyl acetate	U		0.00263	0.0110	1	04/05/2018 06:48	WG1093771
Vinyl chloride	0.0427		0.000321	0.00110	1	04/05/2018 06:48	WG1093771
Xylenes, Total	U		0.000770	0.00331	1	04/05/2018 06:48	WG1093771
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 06:48*	WG1093771
(S) Toluene-d8	*112*			*80.0-120*		*04/10/2018 11:35*	WG1093771
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*04/05/2018 06:48*	WG1093771
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*04/10/2018 11:35*	WG1093771
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*		*04/05/2018 06:48*	WG1093771
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*04/10/2018 11:35*	WG1093771

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0574	1	04/05/2018 07:09	WG1093771
Acrylonitrile	U		0.00205	0.0115	1	04/05/2018 07:09	WG1093771
Benzene	U		0.000310	0.00115	1	04/05/2018 07:09	WG1093771
Bromobenzene	U		0.000326	0.00115	1	04/05/2018 07:09	WG1093771
Bromodichloromethane	U		0.000291	0.00115	1	04/05/2018 07:09	WG1093771
Bromochloromethane	U		0.000447	0.00574	1	04/05/2018 07:09	WG1093771
Bromoform	U		0.000486	0.00115	1	04/05/2018 07:09	WG1093771
Bromomethane	U		0.00154	0.00574	1	04/05/2018 07:09	WG1093771
n-Butylbenzene	U		0.000296	0.00115	1	04/05/2018 07:09	WG1093771
sec-Butylbenzene	U		0.000231	0.00115	1	04/05/2018 07:09	WG1093771
tert-Butylbenzene	U		0.000236	0.00115	1	04/05/2018 07:09	WG1093771
Carbon disulfide	U		0.000254	0.00115	1	04/05/2018 07:09	WG1093771
Carbon tetrachloride	U		0.000376	0.00115	1	04/05/2018 07:09	WG1093771
Chlorobenzene	U		0.000243	0.00115	1	04/05/2018 07:09	WG1093771
Chlorodibromomethane	U		0.000428	0.00115	1	04/05/2018 07:09	WG1093771
Chloroethane	U		0.00109	0.00574	1	04/05/2018 07:09	WG1093771
Chloroform	U		0.000263	0.00574	1	04/05/2018 07:09	WG1093771
Chloromethane	U		0.000430	0.00287	1	04/05/2018 07:09	WG1093771
2-Chlorotoluene	U		0.000345	0.00115	1	04/05/2018 07:09	WG1093771
4-Chlorotoluene	U		0.000275	0.00115	1	04/05/2018 07:09	WG1093771
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00574	1	04/05/2018 07:09	WG1093771
1,2-Dibromoethane	U		0.000394	0.00115	1	04/05/2018 07:09	WG1093771
Dibromomethane	U		0.000438	0.00115	1	04/05/2018 07:09	WG1093771
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/05/2018 07:09	WG1093771
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/05/2018 07:09	WG1093771
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/05/2018 07:09	WG1093771
Dichlorodifluoromethane	U		0.000818	0.00574	1	04/05/2018 07:09	WG1093771
1,1-Dichloroethane	U		0.000228	0.00115	1	04/05/2018 07:09	WG1093771
1,2-Dichloroethane	U		0.000304	0.00115	1	04/05/2018 07:09	WG1093771
1,1-Dichloroethene	0.000550	J J	0.000348	0.00115	1	04/05/2018 07:09	WG1093771
cis-1,2-Dichloroethene	0.0785		0.000270	0.00115	1	04/05/2018 07:09	WG1093771
trans-1,2-Dichloroethene	0.000802	J J	0.000303	0.00115	1	04/05/2018 07:09	WG1093771
1,2-Dichloropropane	U		0.000411	0.00115	1	04/05/2018 07:09	WG1093771
1,1-Dichloropropene	U		0.000364	0.00115	1	04/05/2018 07:09	WG1093771
1,3-Dichloropropane	U		0.000238	0.00115	1	04/05/2018 07:09	WG1093771
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/05/2018 07:09	WG1093771
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/05/2018 07:09	WG1093771
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	04/05/2018 07:09	WG1093771
2,2-Dichloropropane	U		0.000320	0.00115	1	04/05/2018 07:09	WG1093771
Di-isopropyl ether	U		0.000285	0.00115	1	04/05/2018 07:09	WG1093771
Ethylbenzene	U		0.000341	0.00115	1	04/05/2018 07:09	WG1093771
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/05/2018 07:09	WG1093771
2-Hexanone	U		0.00157	0.0115	1	04/05/2018 07:09	WG1093771
n-Hexane	U		0.000333	0.0115	1	04/05/2018 07:09	WG1093771
Iodomethane	U		0.00290	0.0115	1	04/05/2018 07:09	WG1093771
Isopropylbenzene	U		0.000279	0.00115	1	04/05/2018 07:09	WG1093771
p-Isopropyltoluene	U		0.000234	0.00115	1	04/05/2018 07:09	WG1093771
2-Butanone (MEK)	U		0.00537	0.0115	1	04/05/2018 07:09	WG1093771
Methylene Chloride	U		0.00115	0.00574	1	04/05/2018 07:09	WG1093771
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/05/2018 07:09	WG1093771

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/05/2018 07:09	WG1093771
Naphthalene	U		0.00115	0.00574	1	04/05/2018 07:09	WG1093771
n-Propylbenzene	U		0.000236	0.00115	1	04/05/2018 07:09	WG1093771
Styrene	U		0.000268	0.00115	1	04/05/2018 07:09	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/05/2018 07:09	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/05/2018 07:09	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/05/2018 07:09	WG1093771
Tetrachloroethene	53.7		1.58	5.74	5000	04/10/2018 14:19	WG1093771
Toluene	U		0.000498	0.00574	1	04/05/2018 07:09	WG1093771
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/05/2018 07:09	WG1093771
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	04/05/2018 07:09	WG1093771
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/05/2018 07:09	WG1093771
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/05/2018 07:09	WG1093771
Trichloroethene	0.118		0.000320	0.00115	1	04/05/2018 07:09	WG1093771
Trichlorofluoromethane	U		0.000438	0.00574	1	04/05/2018 07:09	WG1093771
1,2,3-Trichloropropane	U		0.000850	0.00287	1	04/05/2018 07:09	WG1093771
1,2,4-Trimethylbenzene	0.000382	J J	0.000242	0.00115	1	04/05/2018 07:09	WG1093771
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/05/2018 07:09	WG1093771
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/05/2018 07:09	WG1093771
Vinyl acetate	U		0.00274	0.0115	1	04/05/2018 07:09	WG1093771
Vinyl chloride	0.00418		0.000334	0.00115	1	04/05/2018 07:09	WG1093771
Xylenes, Total	U		0.000801	0.00344	1	04/05/2018 07:09	WG1093771
(S) Toluene-d8	*110*			*80.0-120*		*04/10/2018 14:19*	WG1093771
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 07:09*	WG1093771
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*04/05/2018 07:09*	WG1093771
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/10/2018 14:19*	WG1093771
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*04/05/2018 07:09*	WG1093771
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/10/2018 14:19*	WG1093771

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0116	0.0582	1	04/05/2018 07:30	WG1093771	
Acrylonitrile	U		0.00208	0.0116	1	04/05/2018 07:30	WG1093771	
Benzene	U		0.000314	0.00116	1	04/05/2018 07:30	WG1093771	
Bromobenzene	U		0.000331	0.00116	1	04/05/2018 07:30	WG1093771	
Bromodichloromethane	U		0.000296	0.00116	1	04/05/2018 07:30	WG1093771	
Bromochloromethane	U		0.000454	0.00582	1	04/05/2018 07:30	WG1093771	
Bromoform	U		0.000494	0.00116	1	04/05/2018 07:30	WG1093771	
Bromomethane	U		0.00156	0.00582	1	04/05/2018 07:30	WG1093771	
n-Butylbenzene	U		0.000300	0.00116	1	04/05/2018 07:30	WG1093771	
sec-Butylbenzene	U		0.000234	0.00116	1	04/05/2018 07:30	WG1093771	
tert-Butylbenzene	U		0.000240	0.00116	1	04/05/2018 07:30	WG1093771	
Carbon disulfide	U		0.000257	0.00116	1	04/05/2018 07:30	WG1093771	
Carbon tetrachloride	U		0.000382	0.00116	1	04/05/2018 07:30	WG1093771	
Chlorobenzene	U		0.000247	0.00116	1	04/05/2018 07:30	WG1093771	
Chlorodibromomethane	U		0.000434	0.00116	1	04/05/2018 07:30	WG1093771	
Chloroethane	U		0.00110	0.00582	1	04/05/2018 07:30	WG1093771	
Chloroform	U		0.000267	0.00582	1	04/05/2018 07:30	WG1093771	
Chloromethane	U		0.000437	0.00291	1	04/05/2018 07:30	WG1093771	
2-Chlorotoluene	U		0.000350	0.00116	1	04/05/2018 07:30	WG1093771	
4-Chlorotoluene	U		0.000279	0.00116	1	04/05/2018 07:30	WG1093771	
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	04/05/2018 07:30	WG1093771	
1,2-Dibromoethane	U		0.000399	0.00116	1	04/05/2018 07:30	WG1093771	
Dibromomethane	U		0.000445	0.00116	1	04/05/2018 07:30	WG1093771	
1,2-Dichlorobenzene	U		0.000355	0.00116	1	04/05/2018 07:30	WG1093771	
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/05/2018 07:30	WG1093771	
1,4-Dichlorobenzene	U		0.000263	0.00116	1	04/05/2018 07:30	WG1093771	
Dichlorodifluoromethane	U		0.000830	0.00582	1	04/05/2018 07:30	WG1093771	
1,1-Dichloroethane	U		0.000232	0.00116	1	04/05/2018 07:30	WG1093771	
1,2-Dichloroethane	U		0.000308	0.00116	1	04/05/2018 07:30	WG1093771	
1,1-Dichloroethene	0.00112 J	J	0.000353	0.00116	1	04/05/2018 07:30	WG1093771	
cis-1,2-Dichloroethene	0.142	V	0.000274	0.00116	1	04/05/2018 07:30	WG1093771	
trans-1,2-Dichloroethene	0.000619 J	J	0.000307	0.00116	1	04/05/2018 07:30	WG1093771	
1,2-Dichloropropane	U		0.000417	0.00116	1	04/05/2018 07:30	WG1093771	
1,1-Dichloropropene	U		0.000369	0.00116	1	04/05/2018 07:30	WG1093771	
1,3-Dichloropropane	U		0.000241	0.00116	1	04/05/2018 07:30	WG1093771	
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	04/05/2018 07:30	WG1093771	
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	04/05/2018 07:30	WG1093771	
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	04/05/2018 07:30	WG1093771	
2,2-Dichloropropane	U		0.000325	0.00116	1	04/05/2018 07:30	WG1093771	
Di-isopropyl ether	U		0.000289	0.00116	1	04/05/2018 07:30	WG1093771	
Ethylbenzene	U		0.000346	0.00116	1	04/05/2018 07:30	WG1093771	
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	04/05/2018 07:30	WG1093771	JC 4/25/18
2-Hexanone	U		0.00159	0.0116	1	04/05/2018 07:30	WG1093771	
n-Hexane	U		0.000338	0.0116	1	04/05/2018 07:30	WG1093771	
Iodomethane	U		0.00295	0.0116	1	04/05/2018 07:30	WG1093771	
Isopropylbenzene	U		0.000283	0.00116	1	04/05/2018 07:30	WG1093771	
p-Isopropyltoluene	U		0.000237	0.00116	1	04/05/2018 07:30	WG1093771	
2-Butanone (MEK)	U		0.00545	0.0116	1	04/05/2018 07:30	WG1093771	
Methylene Chloride	U		0.00116	0.00582	1	04/05/2018 07:30	WG1093771	
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	04/05/2018 07:30	WG1093771	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	04/05/2018 07:30	WG1093771
Naphthalene	U		0.00116	0.00582	1	04/05/2018 07:30	WG1093771
n-Propylbenzene	U		0.000240	0.00116	1	04/05/2018 07:30	WG1093771
Styrene	U		0.000272	0.00116	1	04/05/2018 07:30	WG1093771
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/05/2018 07:30	WG1093771
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	04/05/2018 07:30	WG1093771
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	04/05/2018 07:30	WG1093771
Tetrachloroethene	6.75		0.0161	0.0582	50	04/10/2018 12:15	WG1093771
Toluene	U		0.000505	0.00582	1	04/05/2018 07:30	WG1093771
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	04/05/2018 07:30	WG1093771
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	04/05/2018 07:30	WG1093771
1,1,1-Trichloroethane	U		0.000333	0.00116	1	04/05/2018 07:30	WG1093771
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/05/2018 07:30	WG1093771
Trichloroethene	0.0715 J	J6	0.000325	0.00116	1	04/05/2018 07:30	WG1093771
Trichlorofluoromethane	U		0.000445	0.00582	1	04/05/2018 07:30	WG1093771
1,2,3-Trichloropropane	U		0.000863	0.00291	1	04/05/2018 07:30	WG1093771
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	04/05/2018 07:30	WG1093771
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	04/05/2018 07:30	WG1093771
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	04/05/2018 07:30	WG1093771
Vinyl acetate	U		0.00278	0.0116	1	04/05/2018 07:30	WG1093771
Vinyl chloride	0.0268		0.000339	0.00116	1	04/05/2018 07:30	WG1093771
Xylenes, Total	U		0.000813	0.00349	1	04/05/2018 07:30	WG1093771
(S) Toluene-d8	*113*			*80.0-120*		*04/10/2018 12:15*	WG1093771
(S) Toluene-d8	*103*			*80.0-120*		*04/05/2018 07:30*	WG1093771
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/10/2018 12:15*	WG1093771
(S) Dibromofluoromethane	*99.6*			*74.0-131*		*04/05/2018 07:30*	WG1093771
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/05/2018 07:30*	WG1093771
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/10/2018 12:15*	WG1093771

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.559	2.79	50	04/06/2018 19:19	WG1093369
Acrylonitrile	U		0.100	0.559	50	04/06/2018 19:19	WG1093369
Benzene	U		0.0151	0.0559	50	04/06/2018 19:19	WG1093369
Bromobenzene	U		0.0159	0.0559	50	04/06/2018 19:19	WG1093369
Bromodichloromethane	U		0.0142	0.0559	50	04/06/2018 19:19	WG1093369
Bromochloromethane	U		0.0218	0.279	50	04/06/2018 19:19	WG1093369
Bromoform	U		0.0237	0.0559	50	04/06/2018 19:19	WG1093369
Bromomethane	U		0.0748	0.279	50	04/06/2018 19:19	WG1093369
n-Butylbenzene	U		0.0144	0.0559	50	04/06/2018 19:19	WG1093369
sec-Butylbenzene	U		0.0112	0.0559	50	04/06/2018 19:19	WG1093369
tert-Butylbenzene	U		0.0115	0.0559	50	04/06/2018 19:19	WG1093369
Carbon disulfide	U		0.0123	0.0559	50	04/06/2018 19:19	WG1093369
Carbon tetrachloride	U		0.0183	0.0559	50	04/06/2018 19:19	WG1093369
Chlorobenzene	U		0.0118	0.0559	50	04/06/2018 19:19	WG1093369
Chlorodibromomethane	U		0.0208	0.0559	50	04/06/2018 19:19	WG1093369
Chloroethane	U		0.0528	0.279	50	04/06/2018 19:19	WG1093369
Chloroform	U		0.0127	0.279	50	04/06/2018 19:19	WG1093369
Chloromethane	U		0.0210	0.140	50	04/06/2018 19:19	WG1093369
2-Chlorotoluene	U		0.0168	0.0559	50	04/06/2018 19:19	WG1093369
4-Chlorotoluene	U		0.0134	0.0559	50	04/06/2018 19:19	WG1093369
1,2-Dibromo-3-Chloropropane	U		0.0586	0.279	50	04/06/2018 19:19	WG1093369
1,2-Dibromoethane	U		0.0192	0.0559	50	04/06/2018 19:19	WG1093369
Dibromomethane	U		0.0213	0.0559	50	04/06/2018 19:19	WG1093369
1,2-Dichlorobenzene	U		0.0170	0.0559	50	04/06/2018 19:19	WG1093369
1,3-Dichlorobenzene	U		0.0134	0.0559	50	04/06/2018 19:19	WG1093369
1,4-Dichlorobenzene	U		0.0126	0.0559	50	04/06/2018 19:19	WG1093369
Dichlorodifluoromethane	U		0.0398	0.279	50	04/06/2018 19:19	WG1093369
1,1-Dichloroethane	U		0.0111	0.0559	50	04/06/2018 19:19	WG1093369
1,2-Dichloroethane	U		0.0147	0.0559	50	04/06/2018 19:19	WG1093369
1,1-Dichloroethene	U		0.0170	0.0559	50	04/06/2018 19:19	WG1093369
cis-1,2-Dichloroethene	0.356		0.0132	0.0559	50	04/06/2018 19:19	WG1093369
trans-1,2-Dichloroethene	U		0.0147	0.0559	50	04/06/2018 19:19	WG1093369
1,2-Dichloropropane	U		0.0200	0.0559	50	04/06/2018 19:19	WG1093369
1,1-Dichloropropene	U		0.0177	0.0559	50	04/06/2018 19:19	WG1093369
1,3-Dichloropropane	U		0.0116	0.0559	50	04/06/2018 19:19	WG1093369
cis-1,3-Dichloropropene	U		0.0146	0.0559	50	04/06/2018 19:19	WG1093369
trans-1,3-Dichloropropene	U		0.0150	0.0559	50	04/06/2018 19:19	WG1093369
trans-1,4-Dichloro-2-butene	U		0.0435	0.140	50	04/06/2018 19:19	WG1093369
2,2-Dichloropropane	U		0.0156	0.0559	50	04/06/2018 19:19	WG1093369
Di-isopropyl ether	U		0.0139	0.0559	50	04/06/2018 19:19	WG1093369
Ethylbenzene	U		0.0165	0.0559	50	04/06/2018 19:19	WG1093369
Hexachloro-1,3-butadiene	U		0.0191	0.0559	50	04/06/2018 19:19	WG1093369
2-Hexanone	U		0.0765	0.559	50	04/06/2018 19:19	WG1093369
n-Hexane	U		0.0162	0.559	50	04/06/2018 19:19	WG1093369
Iodomethane	U		0.141	0.559	50	04/06/2018 19:19	WG1093369
Isopropylbenzene	U		0.0136	0.0559	50	04/06/2018 19:19	WG1093369
p-Isopropyltoluene	U		0.0114	0.0559	50	04/06/2018 19:19	WG1093369
2-Butanone (MEK)	U		0.261	0.559	50	04/06/2018 19:19	WG1093369
Methylene Chloride	U		0.0559	0.279	50	04/06/2018 19:19	WG1093369
4-Methyl-2-pentanone (MIBK)	U		0.105	0.559	50	04/06/2018 19:19	WG1093369

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0118	0.0559	50	04/06/2018 19:19	WG1093369
Naphthalene	U		0.0559	0.279	50	04/06/2018 19:19	WG1093369
n-Propylbenzene	U		0.0115	0.0559	50	04/06/2018 19:19	WG1093369
Styrene	U		0.0131	0.0559	50	04/06/2018 19:19	WG1093369
1,1,1,2-Tetrachloroethane	U		0.0147	0.0559	50	04/06/2018 19:19	WG1093369
1,1,2,2-Tetrachloroethane	U		0.0203	0.0559	50	04/06/2018 19:19	WG1093369
1,1,2-Trichlorotrifluoroethane	U		0.0203	0.0559	50	04/06/2018 19:19	WG1093369
Tetrachloroethene	5.18		0.0154	0.0559	50	04/06/2018 19:19	WG1093369
Toluene	U		0.0242	0.279	50	04/06/2018 19:19	WG1093369
1,2,3-Trichlorobenzene	U		0.0171	0.0559	50	04/06/2018 19:19	WG1093369
1,2,4-Trichlorobenzene	U		0.0217	0.0559	50	04/06/2018 19:19	WG1093369
1,1,1-Trichloroethane	U		0.0160	0.0559	50	04/06/2018 19:19	WG1093369
1,1,2-Trichloroethane	U		0.0154	0.0559	50	04/06/2018 19:19	WG1093369
Trichloroethene	0.214		0.0156	0.0559	50	04/06/2018 19:19	WG1093369
Trichlorofluoromethane	U		0.0213	0.279	50	04/06/2018 19:19	WG1093369
1,2,3-Trichloropropane	U		0.0413	0.140	50	04/06/2018 19:19	WG1093369
1,2,4-Trimethylbenzene	U		0.0118	0.0559	50	04/06/2018 19:19	WG1093369
1,2,3-Trimethylbenzene	U		0.0161	0.0559	50	04/06/2018 19:19	WG1093369
1,3,5-Trimethylbenzene	U		0.0149	0.0559	50	04/06/2018 19:19	WG1093369
Vinyl acetate	U		0.134	0.559	50	04/06/2018 19:19	WG1093369
Vinyl chloride	0.0421	J J	0.0163	0.0559	50	04/06/2018 19:19	WG1093369
Xylenes, Total	U		0.0390	0.168	50	04/06/2018 19:19	WG1093369
(S) Toluene-d8	*110*			*80.0-120*		*04/06/2018 19:19*	WG1093369
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*04/06/2018 19:19*	WG1093369
(S) 4-Bromofluorobenzene	*97.4*			*64.0-132*		*04/06/2018 19:19*	WG1093369

Sample Narrative:

L982619-05 WG1093369: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0120	0.0602	1	04/05/2018 15:00	WG1093369
Acrylonitrile	U		0.00216	0.0120	1	04/05/2018 15:00	WG1093369
Benzene	U		0.000325	0.00120	1	04/05/2018 15:00	WG1093369
Bromobenzene	U		0.000342	0.00120	1	04/05/2018 15:00	WG1093369
Bromodichloromethane	U		0.000306	0.00120	1	04/05/2018 15:00	WG1093369
Bromochloromethane	U		0.000470	0.00602	1	04/05/2018 15:00	WG1093369
Bromoform	U UJ	J0	0.000511	0.00120	1	04/05/2018 15:00	WG1093369
Bromomethane	U		0.00161	0.00602	1	04/05/2018 15:00	WG1093369
n-Butylbenzene	U		0.000311	0.00120	1	04/05/2018 15:00	WG1093369
sec-Butylbenzene	U		0.000242	0.00120	1	04/05/2018 15:00	WG1093369
tert-Butylbenzene	U		0.000248	0.00120	1	04/05/2018 15:00	WG1093369
Carbon disulfide	U		0.000266	0.00120	1	04/05/2018 15:00	WG1093369
Carbon tetrachloride	U		0.000395	0.00120	1	04/05/2018 15:00	WG1093369
Chlorobenzene	U		0.000255	0.00120	1	04/05/2018 15:00	WG1093369
Chlorodibromomethane	U		0.000449	0.00120	1	04/05/2018 15:00	WG1093369
Chloroethane	U		0.00114	0.00602	1	04/05/2018 15:00	WG1093369
Chloroform	U		0.000276	0.00602	1	04/05/2018 15:00	WG1093369
Chloromethane	U		0.000452	0.00301	1	04/05/2018 15:00	WG1093369
2-Chlorotoluene	U		0.000363	0.00120	1	04/05/2018 15:00	WG1093369
4-Chlorotoluene	U		0.000289	0.00120	1	04/05/2018 15:00	WG1093369
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00126	0.00602	1	04/05/2018 15:00	WG1093369
1,2-Dibromoethane	U		0.000413	0.00120	1	04/05/2018 15:00	WG1093369
Dibromomethane	U		0.000460	0.00120	1	04/05/2018 15:00	WG1093369
1,2-Dichlorobenzene	U		0.000367	0.00120	1	04/05/2018 15:00	WG1093369
1,3-Dichlorobenzene	U		0.000288	0.00120	1	04/05/2018 15:00	WG1093369
1,4-Dichlorobenzene	U		0.000272	0.00120	1	04/05/2018 15:00	WG1093369
Dichlorodifluoromethane	U		0.000859	0.00602	1	04/05/2018 15:00	WG1093369
1,1-Dichloroethane	U		0.000240	0.00120	1	04/05/2018 15:00	WG1093369
1,2-Dichloroethane	U		0.000319	0.00120	1	04/05/2018 15:00	WG1093369
1,1-Dichloroethene	0.000805 J	J	0.000365	0.00120	1	04/05/2018 15:00	WG1093369
cis-1,2-Dichloroethene	0.578		0.00708	0.0301	25	04/06/2018 19:46	WG1093369
trans-1,2-Dichloroethene	0.00143		0.000318	0.00120	1	04/05/2018 15:00	WG1093369
1,2-Dichloropropane	U		0.000431	0.00120	1	04/05/2018 15:00	WG1093369
1,1-Dichloropropene	U		0.000382	0.00120	1	04/05/2018 15:00	WG1093369
1,3-Dichloropropane	U		0.000249	0.00120	1	04/05/2018 15:00	WG1093369
cis-1,3-Dichloropropene	U		0.000316	0.00120	1	04/05/2018 15:00	WG1093369
trans-1,3-Dichloropropene	U		0.000322	0.00120	1	04/05/2018 15:00	WG1093369
trans-1,4-Dichloro-2-butene	U		0.000937	0.00301	1	04/05/2018 15:00	WG1093369
2,2-Dichloropropane	U		0.000336	0.00120	1	04/05/2018 15:00	WG1093369
Di-isopropyl ether	U UJ	J0	0.000299	0.00120	1	04/05/2018 15:00	WG1093369
Ethylbenzene	U		0.000358	0.00120	1	04/05/2018 15:00	WG1093369
Hexachloro-1,3-butadiene	U		0.000412	0.00120	1	04/05/2018 15:00	WG1093369
2-Hexanone	U		0.00165	0.0120	1	04/05/2018 15:00	WG1093369
n-Hexane	U		0.000349	0.0120	1	04/05/2018 15:00	WG1093369
Iodomethane	U		0.00305	0.0120	1	04/05/2018 15:00	WG1093369
Isopropylbenzene	U		0.000293	0.00120	1	04/05/2018 15:00	WG1093369
p-Isopropyltoluene	U		0.000246	0.00120	1	04/05/2018 15:00	WG1093369
2-Butanone (MEK)	U UJ	J0	0.00564	0.0120	1	04/05/2018 15:00	WG1093369
Methylene Chloride	U		0.00120	0.00602	1	04/05/2018 15:00	WG1093369
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	04/05/2018 15:00	WG1093369

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	04/05/2018 15:00	WG1093369
Naphthalene	U		0.00120	0.00602	1	04/05/2018 15:00	WG1093369
n-Propylbenzene	U		0.000248	0.00120	1	04/05/2018 15:00	WG1093369
Styrene	U		0.000282	0.00120	1	04/05/2018 15:00	WG1093369
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	04/05/2018 15:00	WG1093369
1,1,2,2-Tetrachloroethane	U		0.000440	0.00120	1	04/05/2018 15:00	WG1093369
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00120	1	04/05/2018 15:00	WG1093369
Tetrachloroethene	5.51		0.0332	0.120	100	04/09/2018 16:32	WG1093369
Toluene	U		0.000523	0.00602	1	04/05/2018 15:00	WG1093369
1,2,3-Trichlorobenzene	U		0.000369	0.00120	1	04/05/2018 15:00	WG1093369
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	04/05/2018 15:00	WG1093369
1,1,1-Trichloroethane	U		0.000344	0.00120	1	04/05/2018 15:00	WG1093369
1,1,2-Trichloroethane	U		0.000334	0.00120	1	04/05/2018 15:00	WG1093369
Trichloroethene	0.352		0.00841	0.0301	25	04/06/2018 19:46	WG1093369
Trichlorofluoromethane	U		0.000460	0.00602	1	04/05/2018 15:00	WG1093369
1,2,3-Trichloropropane	U		0.000893	0.00301	1	04/05/2018 15:00	WG1093369
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	04/05/2018 15:00	WG1093369
1,2,3-Trimethylbenzene	U		0.000346	0.00120	1	04/05/2018 15:00	WG1093369
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	04/05/2018 15:00	WG1093369
Vinyl acetate	U		0.00288	0.0120	1	04/05/2018 15:00	WG1093369
Vinyl chloride	0.0480		0.000351	0.00120	1	04/05/2018 15:00	WG1093369
Xylenes, Total	U		0.000841	0.00361	1	04/05/2018 15:00	WG1093369
(S) Toluene-d8	*99.8*			*80.0-120*		*04/09/2018 16:32*	WG1093369
(S) Toluene-d8	*103*			*80.0-120*		*04/05/2018 15:00*	WG1093369
(S) Toluene-d8	*98.2*			*80.0-120*		*04/06/2018 19:46*	WG1093369
(S) Dibromofluoromethane	*107*			*74.0-131*		*04/09/2018 16:32*	WG1093369
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*04/06/2018 19:46*	WG1093369
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/05/2018 15:00*	WG1093369
(S) 4-Bromofluorobenzene	*97.6*			*64.0-132*		*04/06/2018 19:46*	WG1093369
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*		*04/05/2018 15:00*	WG1093369
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/09/2018 16:32*	WG1093369

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)		Qualifier		MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg				mg/kg	mg/kg		date / time		
Acetone	U	UJ		J0	0.0120	0.0600	1	04/05/2018 15:20	WG1093369	
Acrylonitrile	U				0.00215	0.0120	1	04/05/2018 15:20	WG1093369	
Benzene	U				0.000324	0.00120	1	04/05/2018 15:20	WG1093369	
Bromobenzene	U				0.000341	0.00120	1	04/05/2018 15:20	WG1093369	
Bromodichloromethane	U				0.000305	0.00120	1	04/05/2018 15:20	WG1093369	
Bromochloromethane	U				0.000468	0.00600	1	04/05/2018 15:20	WG1093369	
Bromoform	U	UJ		J0	0.000509	0.00120	1	04/05/2018 15:20	WG1093369	
Bromomethane	U				0.00161	0.00600	1	04/05/2018 15:20	WG1093369	
n-Butylbenzene	U				0.000310	0.00120	1	04/05/2018 15:20	WG1093369	
sec-Butylbenzene	U				0.000241	0.00120	1	04/05/2018 15:20	WG1093369	
tert-Butylbenzene	U				0.000247	0.00120	1	04/05/2018 15:20	WG1093369	
Carbon disulfide	U				0.000265	0.00120	1	04/05/2018 15:20	WG1093369	
Carbon tetrachloride	U				0.000394	0.00120	1	04/05/2018 15:20	WG1093369	
Chlorobenzene	U				0.000255	0.00120	1	04/05/2018 15:20	WG1093369	
Chlorodibromomethane	U				0.000448	0.00120	1	04/05/2018 15:20	WG1093369	
Chloroethane	U				0.00114	0.00600	1	04/05/2018 15:20	WG1093369	
Chloroform	U				0.000275	0.00600	1	04/05/2018 15:20	WG1093369	
Chloromethane	U				0.000450	0.00300	1	04/05/2018 15:20	WG1093369	
2-Chlorotoluene	U				0.000361	0.00120	1	04/05/2018 15:20	WG1093369	
4-Chlorotoluene	U				0.000288	0.00120	1	04/05/2018 15:20	WG1093369	
1,2-Dibromo-3-Chloropropane	U	UJ		J0	0.00126	0.00600	1	04/05/2018 15:20	WG1093369	
1,2-Dibromoethane	U				0.000412	0.00120	1	04/05/2018 15:20	WG1093369	
Dibromomethane	U				0.000459	0.00120	1	04/05/2018 15:20	WG1093369	
1,2-Dichlorobenzene	U				0.000366	0.00120	1	04/05/2018 15:20	WG1093369	
1,3-Dichlorobenzene	U				0.000287	0.00120	1	04/05/2018 15:20	WG1093369	
1,4-Dichlorobenzene	U				0.000271	0.00120	1	04/05/2018 15:20	WG1093369	
Dichlorodifluoromethane	U				0.000856	0.00600	1	04/05/2018 15:20	WG1093369	
1,1-Dichloroethane	U				0.000239	0.00120	1	04/05/2018 15:20	WG1093369	
1,2-Dichloroethane	U				0.000318	0.00120	1	04/05/2018 15:20	WG1093369	
1,1-Dichloroethene	0.000727	J		J	0.000364	0.00120	1	04/05/2018 15:20	WG1093369	JC 4/25/18
cis-1,2-Dichloroethene	0.461				0.0142	0.0600	50	04/06/2018 20:08	WG1093369	
trans-1,2-Dichloroethene	0.00131				0.000317	0.00120	1	04/05/2018 15:20	WG1093369	
1,2-Dichloropropane	U				0.000430	0.00120	1	04/05/2018 15:20	WG1093369	
1,1-Dichloropropene	U				0.000381	0.00120	1	04/05/2018 15:20	WG1093369	
1,3-Dichloropropane	U				0.000249	0.00120	1	04/05/2018 15:20	WG1093369	
cis-1,3-Dichloropropene	U				0.000315	0.00120	1	04/05/2018 15:20	WG1093369	
trans-1,3-Dichloropropene	U				0.000321	0.00120	1	04/05/2018 15:20	WG1093369	
trans-1,4-Dichloro-2-butene	U				0.000934	0.00300	1	04/05/2018 15:20	WG1093369	
2,2-Dichloropropane	U				0.000335	0.00120	1	04/05/2018 15:20	WG1093369	
Di-isopropyl ether	U	UJ		J0	0.000298	0.00120	1	04/05/2018 15:20	WG1093369	
Ethylbenzene	U				0.000357	0.00120	1	04/05/2018 15:20	WG1093369	
Hexachloro-1,3-butadiene	U				0.000411	0.00120	1	04/05/2018 15:20	WG1093369	
2-Hexanone	U				0.00165	0.0120	1	04/05/2018 15:20	WG1093369	
n-Hexane	0.00211	J		J	0.000348	0.0120	1	04/05/2018 15:20	WG1093369	
Iodomethane	U				0.00304	0.0120	1	04/05/2018 15:20	WG1093369	
Isopropylbenzene	U				0.000292	0.00120	1	04/05/2018 15:20	WG1093369	
p-Isopropyltoluene	U				0.000245	0.00120	1	04/05/2018 15:20	WG1093369	
2-Butanone (MEK)	U	UJ		J0	0.00562	0.0120	1	04/05/2018 15:20	WG1093369	
Methylene Chloride	U				0.00120	0.00600	1	04/05/2018 15:20	WG1093369	
4-Methyl-2-pentanone (MIBK)	U				0.00226	0.0120	1	04/05/2018 15:20	WG1093369	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	04/05/2018 15:20	WG1093369
Naphthalene	U		0.00120	0.00600	1	04/05/2018 15:20	WG1093369
n-Propylbenzene	U		0.000247	0.00120	1	04/05/2018 15:20	WG1093369
Styrene	U		0.000281	0.00120	1	04/05/2018 15:20	WG1093369
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	04/05/2018 15:20	WG1093369
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	04/05/2018 15:20	WG1093369
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1	04/05/2018 15:20	WG1093369
Tetrachloroethene	5.53		0.0166	0.0600	50	04/06/2018 20:08	WG1093369
Toluene	U		0.000521	0.00600	1	04/05/2018 15:20	WG1093369
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	04/05/2018 15:20	WG1093369
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	04/05/2018 15:20	WG1093369
1,1,1-Trichloroethane	U		0.000343	0.00120	1	04/05/2018 15:20	WG1093369
1,1,2-Trichloroethane	U		0.000333	0.00120	1	04/05/2018 15:20	WG1093369
Trichloroethene	0.290		0.0168	0.0600	50	04/06/2018 20:08	WG1093369
Trichlorofluoromethane	U		0.000459	0.00600	1	04/05/2018 15:20	WG1093369
1,2,3-Trichloropropane	U		0.000890	0.00300	1	04/05/2018 15:20	WG1093369
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	04/05/2018 15:20	WG1093369
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	04/05/2018 15:20	WG1093369
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	04/05/2018 15:20	WG1093369
Vinyl acetate	U		0.00287	0.0120	1	04/05/2018 15:20	WG1093369
Vinyl chloride	0.0447		0.000349	0.00120	1	04/05/2018 15:20	WG1093369
Xylenes, Total	U		0.000838	0.00360	1	04/05/2018 15:20	WG1093369
(S) Toluene-d8	*109*			*80.0-120*		*04/06/2018 20:08*	WG1093369
(S) Toluene-d8	*105*			*80.0-120*		*04/05/2018 15:20*	WG1093369
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/05/2018 15:20*	WG1093369
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*04/06/2018 20:08*	WG1093369
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/06/2018 20:08*	WG1093369
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*04/05/2018 15:20*	WG1093369

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	04/05/2018 15:42	WG1094228

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0108	0.0538	1	04/05/2018 15:40	WG1093369	
Acrylonitrile	U			0.00193	0.0108	1	04/05/2018 15:40	WG1093369	
Benzene	U			0.000291	0.00108	1	04/05/2018 15:40	WG1093369	
Bromobenzene	U			0.000306	0.00108	1	04/05/2018 15:40	WG1093369	
Bromodichloromethane	U			0.000273	0.00108	1	04/05/2018 15:40	WG1093369	
Bromochloromethane	U			0.000420	0.00538	1	04/05/2018 15:40	WG1093369	
Bromoform	U	UJ	J0	0.000456	0.00108	1	04/05/2018 15:40	WG1093369	
Bromomethane	U			0.00144	0.00538	1	04/05/2018 15:40	WG1093369	
n-Butylbenzene	U			0.000278	0.00108	1	04/05/2018 15:40	WG1093369	
sec-Butylbenzene	U			0.000216	0.00108	1	04/05/2018 15:40	WG1093369	
tert-Butylbenzene	U			0.000222	0.00108	1	04/05/2018 15:40	WG1093369	
Carbon disulfide	U			0.000238	0.00108	1	04/05/2018 15:40	WG1093369	
Carbon tetrachloride	U			0.000353	0.00108	1	04/05/2018 15:40	WG1093369	
Chlorobenzene	U			0.000228	0.00108	1	04/05/2018 15:40	WG1093369	
Chlorodibromomethane	U			0.000402	0.00108	1	04/05/2018 15:40	WG1093369	
Chloroethane	U			0.00102	0.00538	1	04/05/2018 15:40	WG1093369	
Chloroform	U			0.000247	0.00538	1	04/05/2018 15:40	WG1093369	
Chloromethane	U			0.000404	0.00269	1	04/05/2018 15:40	WG1093369	
2-Chlorotoluene	U			0.000324	0.00108	1	04/05/2018 15:40	WG1093369	
4-Chlorotoluene	U			0.000258	0.00108	1	04/05/2018 15:40	WG1093369	
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00113	0.00538	1	04/05/2018 15:40	WG1093369	
1,2-Dibromoethane	U			0.000369	0.00108	1	04/05/2018 15:40	WG1093369	
Dibromomethane	U			0.000411	0.00108	1	04/05/2018 15:40	WG1093369	
1,2-Dichlorobenzene	U			0.000328	0.00108	1	04/05/2018 15:40	WG1093369	
1,3-Dichlorobenzene	U			0.000257	0.00108	1	04/05/2018 15:40	WG1093369	
1,4-Dichlorobenzene	U			0.000243	0.00108	1	04/05/2018 15:40	WG1093369	
Dichlorodifluoromethane	U			0.000768	0.00538	1	04/05/2018 15:40	WG1093369	
1,1-Dichloroethane	U			0.000214	0.00108	1	04/05/2018 15:40	WG1093369	
1,2-Dichloroethane	U			0.000285	0.00108	1	04/05/2018 15:40	WG1093369	
1,1-Dichloroethene	U			0.000326	0.00108	1	04/05/2018 15:40	WG1093369	
cis-1,2-Dichloroethene	0.00863	J	J	0.00633	0.0269	25	04/06/2018 20:29	WG1093369	
trans-1,2-Dichloroethene	U			0.000284	0.00108	1	04/05/2018 15:40	WG1093369	
1,2-Dichloropropane	U			0.000385	0.00108	1	04/05/2018 15:40	WG1093369	
1,1-Dichloropropene	U			0.000341	0.00108	1	04/05/2018 15:40	WG1093369	
1,3-Dichloropropane	U			0.000223	0.00108	1	04/05/2018 15:40	WG1093369	
cis-1,3-Dichloropropene	U			0.000282	0.00108	1	04/05/2018 15:40	WG1093369	
trans-1,3-Dichloropropene	U			0.000287	0.00108	1	04/05/2018 15:40	WG1093369	
trans-1,4-Dichloro-2-butene	U			0.000838	0.00269	1	04/05/2018 15:40	WG1093369	
2,2-Dichloropropane	U			0.000300	0.00108	1	04/05/2018 15:40	WG1093369	
Di-isopropyl ether	U	UJ	J0	0.000267	0.00108	1	04/05/2018 15:40	WG1093369	
Ethylbenzene	U		J3	0.000320	0.00108	1	04/05/2018 15:40	WG1093369	
Hexachloro-1,3-butadiene	U			0.000368	0.00108	1	04/05/2018 15:40	WG1093369	
2-Hexanone	U		J3	0.00147	0.0108	1	04/05/2018 15:40	WG1093369	
n-Hexane	U			0.000312	0.0108	1	04/05/2018 15:40	WG1093369	
Iodomethane	U			0.00272	0.0108	1	04/05/2018 15:40	WG1093369	
Isopropylbenzene	U			0.000262	0.00108	1	04/05/2018 15:40	WG1093369	
p-Isopropyltoluene	U			0.000220	0.00108	1	04/05/2018 15:40	WG1093369	
2-Butanone (MEK)	U	UJ	J0	0.00504	0.0108	1	04/05/2018 15:40	WG1093369	JC 4/25/18
Methylene Chloride	U			0.00108	0.00538	1	04/05/2018 15:40	WG1093369	
4-Methyl-2-pentanone (MIBK)	U			0.00202	0.0108	1	04/05/2018 15:40	WG1093369	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	04/05/2018 15:40	WG1093369
Naphthalene	U	J3	0.00108	0.00538	1	04/05/2018 15:40	WG1093369
n-Propylbenzene	U		0.000222	0.00108	1	04/05/2018 15:40	WG1093369
Styrene	U		0.000252	0.00108	1	04/05/2018 15:40	WG1093369
1,1,1,2-Tetrachloroethane	U	J3	0.000284	0.00108	1	04/05/2018 15:40	WG1093369
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	04/05/2018 15:40	WG1093369
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	04/05/2018 15:40	WG1093369
Tetrachloroethene	0.204		0.00743	0.0269	25	04/06/2018 20:29	WG1093369
Toluene	U		0.000467	0.00538	1	04/05/2018 15:40	WG1093369
1,2,3-Trichlorobenzene	U	J3	0.000329	0.00108	1	04/05/2018 15:40	WG1093369
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	04/05/2018 15:40	WG1093369
1,1,1-Trichloroethane	U		0.000308	0.00108	1	04/05/2018 15:40	WG1093369
1,1,2-Trichloroethane	U		0.000298	0.00108	1	04/05/2018 15:40	WG1093369
Trichloroethene	U UJ		0.00751	0.0269	25	04/06/2018 20:29	WG1093369
Trichlorofluoromethane	U	J3	0.000411	0.00538	1	04/05/2018 15:40	WG1093369
1,2,3-Trichloropropane	U		0.000798	0.00269	1	04/05/2018 15:40	WG1093369
1,2,4-Trimethylbenzene	U	J3 J5	0.000227	0.00108	1	04/05/2018 15:40	WG1093369
1,2,3-Trimethylbenzene	U	J3 J5	0.000309	0.00108	1	04/05/2018 15:40	WG1093369
1,3,5-Trimethylbenzene	U	J3	0.000286	0.00108	1	04/05/2018 15:40	WG1093369
Vinyl acetate	U R	J6	0.00257	0.0108	1	04/05/2018 15:40	WG1093369
Vinyl chloride	0.00225		0.000313	0.00108	1	04/05/2018 15:40	WG1093369
Xylenes, Total	U	J3	0.000751	0.00323	1	04/05/2018 15:40	WG1093369
(S) Toluene-d8	*102*			*80.0-120*		*04/05/2018 15:40*	WG1093369
(S) Toluene-d8	*110*			*80.0-120*		*04/06/2018 20:29*	WG1093369
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/05/2018 15:40*	WG1093369
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*04/06/2018 20:29*	WG1093369
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*04/05/2018 15:40*	WG1093369
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*04/06/2018 20:29*	WG1093369

Sample Narrative:

L982619-08 WG1093369: TCE is not reportable from the 1x due to possible carryover.

L982619-08 WG1093369: TCE cannot be reanalyzed at a lower dilution due to high levels of target analytes.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	04/05/2018 16:16	WG1094226

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0106	0.0530	1	04/06/2018 23:45	WG1094372	
Acrylonitrile	U			0.00190	0.0106	1	04/06/2018 23:45	WG1094372	
Benzene	U			0.000286	0.00106	1	04/06/2018 23:45	WG1094372	
Bromobenzene	U			0.000301	0.00106	1	04/06/2018 23:45	WG1094372	
Bromodichloromethane	U	UJ	J0	0.000269	0.00106	1	04/06/2018 23:45	WG1094372	
Bromochloromethane	U			0.000414	0.00530	1	04/06/2018 23:45	WG1094372	
Bromoform	U	UJ	J0	0.000450	0.00106	1	04/06/2018 23:45	WG1094372	
Bromomethane	U			0.00142	0.00530	1	04/06/2018 23:45	WG1094372	
n-Butylbenzene	U			0.000274	0.00106	1	04/06/2018 23:45	WG1094372	
sec-Butylbenzene	U			0.000213	0.00106	1	04/06/2018 23:45	WG1094372	
tert-Butylbenzene	U			0.000218	0.00106	1	04/06/2018 23:45	WG1094372	
Carbon disulfide	U	UJ	J0	0.000234	0.00106	1	04/06/2018 23:45	WG1094372	
Carbon tetrachloride	U			0.000348	0.00106	1	04/06/2018 23:45	WG1094372	
Chlorobenzene	U			0.000225	0.00106	1	04/06/2018 23:45	WG1094372	
Chlorodibromomethane	U			0.000396	0.00106	1	04/06/2018 23:45	WG1094372	
Chloroethane	U			0.00100	0.00530	1	04/06/2018 23:45	WG1094372	
Chloroform	U			0.000243	0.00530	1	04/06/2018 23:45	WG1094372	
Chloromethane	U	UJ	J0	0.000398	0.00265	1	04/06/2018 23:45	WG1094372	
2-Chlorotoluene	U			0.000319	0.00106	1	04/06/2018 23:45	WG1094372	
4-Chlorotoluene	U			0.000254	0.00106	1	04/06/2018 23:45	WG1094372	
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00111	0.00530	1	04/06/2018 23:45	WG1094372	
1,2-Dibromoethane	U			0.000364	0.00106	1	04/06/2018 23:45	WG1094372	
Dibromomethane	U			0.000405	0.00106	1	04/06/2018 23:45	WG1094372	
1,2-Dichlorobenzene	U			0.000323	0.00106	1	04/06/2018 23:45	WG1094372	
1,3-Dichlorobenzene	U			0.000253	0.00106	1	04/06/2018 23:45	WG1094372	
1,4-Dichlorobenzene	U			0.000240	0.00106	1	04/06/2018 23:45	WG1094372	
Dichlorodifluoromethane	U			0.000756	0.00530	1	04/06/2018 23:45	WG1094372	
1,1-Dichloroethane	U			0.000211	0.00106	1	04/06/2018 23:45	WG1094372	
1,2-Dichloroethane	U			0.000281	0.00106	1	04/06/2018 23:45	WG1094372	
1,1-Dichloroethene	U			0.000321	0.00106	1	04/06/2018 23:45	WG1094372	
cis-1,2-Dichloroethene	0.000371	J	J	0.000249	0.00106	1	04/06/2018 23:45	WG1094372	
trans-1,2-Dichloroethene	U			0.000280	0.00106	1	04/06/2018 23:45	WG1094372	
1,2-Dichloropropane	U			0.000380	0.00106	1	04/06/2018 23:45	WG1094372	
1,1-Dichloropropene	U			0.000336	0.00106	1	04/06/2018 23:45	WG1094372	
1,3-Dichloropropane	U			0.000219	0.00106	1	04/06/2018 23:45	WG1094372	
cis-1,3-Dichloropropene	U			0.000278	0.00106	1	04/06/2018 23:45	WG1094372	
trans-1,3-Dichloropropene	U			0.000283	0.00106	1	04/06/2018 23:45	WG1094372	
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000825	0.00265	1	04/06/2018 23:45	WG1094372	JC 4/25/18
2,2-Dichloropropane	U			0.000296	0.00106	1	04/06/2018 23:45	WG1094372	
Di-isopropyl ether	U	UJ	J0	0.000263	0.00106	1	04/06/2018 23:45	WG1094372	
Ethylbenzene	U			0.000315	0.00106	1	04/06/2018 23:45	WG1094372	
Hexachloro-1,3-butadiene	U			0.000363	0.00106	1	04/06/2018 23:45	WG1094372	
2-Hexanone	U			0.00145	0.0106	1	04/06/2018 23:45	WG1094372	
n-Hexane	U	UJ	J0	0.000308	0.0106	1	04/06/2018 23:45	WG1094372	
Iodomethane	U			0.00268	0.0106	1	04/06/2018 23:45	WG1094372	
Isopropylbenzene	U			0.000258	0.00106	1	04/06/2018 23:45	WG1094372	
p-Isopropyltoluene	U			0.000216	0.00106	1	04/06/2018 23:45	WG1094372	
2-Butanone (MEK)	U	UJ	J0	0.00496	0.0106	1	04/06/2018 23:45	WG1094372	
Methylene Chloride	U			0.00106	0.00530	1	04/06/2018 23:45	WG1094372	
4-Methyl-2-pentanone (MIBK)	U			0.00199	0.0106	1	04/06/2018 23:45	WG1094372	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000225	0.00106	1	04/06/2018 23:45	WG1094372
Naphthalene	U		0.00106	0.00530	1	04/06/2018 23:45	WG1094372
n-Propylbenzene	U		0.000218	0.00106	1	04/06/2018 23:45	WG1094372
Styrene	U		0.000248	0.00106	1	04/06/2018 23:45	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	04/06/2018 23:45	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	04/06/2018 23:45	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	04/06/2018 23:45	WG1094372
Tetrachloroethene	0.00137		0.000293	0.00106	1	04/06/2018 23:45	WG1094372
Toluene	U		0.000460	0.00530	1	04/06/2018 23:45	WG1094372
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	04/06/2018 23:45	WG1094372
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	04/06/2018 23:45	WG1094372
1,1,1-Trichloroethane	U		0.000303	0.00106	1	04/06/2018 23:45	WG1094372
1,1,2-Trichloroethane	U		0.000294	0.00106	1	04/06/2018 23:45	WG1094372
Trichloroethene	U		0.000296	0.00106	1	04/06/2018 23:45	WG1094372
Trichlorofluoromethane	U		0.000405	0.00530	1	04/06/2018 23:45	WG1094372
1,2,3-Trichloropropane	U		0.000786	0.00265	1	04/06/2018 23:45	WG1094372
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	04/06/2018 23:45	WG1094372
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	04/06/2018 23:45	WG1094372
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	04/06/2018 23:45	WG1094372
Vinyl acetate	U	UJ J0	0.00253	0.0106	1	04/06/2018 23:45	WG1094372
Vinyl chloride	U		0.000309	0.00106	1	04/06/2018 23:45	WG1094372
Xylenes, Total	U		0.000740	0.00318	1	04/06/2018 23:45	WG1094372
(S) Toluene-d8	*105*			*80.0-120*		*04/06/2018 23:45*	WG1094372
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 23:45*	WG1094372
(S) 4-Bromofluorobenzene	*93.8*			*64.0-132*		*04/06/2018 23:45*	WG1094372

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	04/05/2018 16:16	WG1094226

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0113	0.0563	1	04/07/2018 00:04	WG1094372
Acrylonitrile	U			0.00202	0.0113	1	04/07/2018 00:04	WG1094372
Benzene	U			0.000304	0.00113	1	04/07/2018 00:04	WG1094372
Bromobenzene	U			0.000320	0.00113	1	04/07/2018 00:04	WG1094372
Bromodichloromethane	U	UJ	J0	0.000286	0.00113	1	04/07/2018 00:04	WG1094372
Bromochloromethane	U			0.000439	0.00563	1	04/07/2018 00:04	WG1094372
Bromoform	U	UJ	J0	0.000477	0.00113	1	04/07/2018 00:04	WG1094372
Bromomethane	U			0.00151	0.00563	1	04/07/2018 00:04	WG1094372
n-Butylbenzene	U			0.000291	0.00113	1	04/07/2018 00:04	WG1094372
sec-Butylbenzene	U			0.000226	0.00113	1	04/07/2018 00:04	WG1094372
tert-Butylbenzene	U			0.000232	0.00113	1	04/07/2018 00:04	WG1094372
Carbon disulfide	U	UJ	J0	0.000249	0.00113	1	04/07/2018 00:04	WG1094372
Carbon tetrachloride	U			0.000369	0.00113	1	04/07/2018 00:04	WG1094372
Chlorobenzene	U			0.000239	0.00113	1	04/07/2018 00:04	WG1094372
Chlorodibromomethane	U			0.000420	0.00113	1	04/07/2018 00:04	WG1094372
Chloroethane	U			0.00107	0.00563	1	04/07/2018 00:04	WG1094372
Chloroform	U			0.000258	0.00563	1	04/07/2018 00:04	WG1094372
Chloromethane	U	UJ	J0	0.000422	0.00282	1	04/07/2018 00:04	WG1094372
2-Chlorotoluene	U			0.000339	0.00113	1	04/07/2018 00:04	WG1094372
4-Chlorotoluene	U			0.000270	0.00113	1	04/07/2018 00:04	WG1094372
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00118	0.00563	1	04/07/2018 00:04	WG1094372
1,2-Dibromoethane	U			0.000386	0.00113	1	04/07/2018 00:04	WG1094372
Dibromomethane	U			0.000430	0.00113	1	04/07/2018 00:04	WG1094372
1,2-Dichlorobenzene	U			0.000343	0.00113	1	04/07/2018 00:04	WG1094372
1,3-Dichlorobenzene	U			0.000269	0.00113	1	04/07/2018 00:04	WG1094372
1,4-Dichlorobenzene	U			0.000255	0.00113	1	04/07/2018 00:04	WG1094372
Dichlorodifluoromethane	U			0.000803	0.00563	1	04/07/2018 00:04	WG1094372
1,1-Dichloroethane	U			0.000224	0.00113	1	04/07/2018 00:04	WG1094372
1,2-Dichloroethane	U			0.000298	0.00113	1	04/07/2018 00:04	WG1094372
1,1-Dichloroethene	U			0.000341	0.00113	1	04/07/2018 00:04	WG1094372
cis-1,2-Dichloroethene	U			0.000265	0.00113	1	04/07/2018 00:04	WG1094372
trans-1,2-Dichloroethene	U			0.000297	0.00113	1	04/07/2018 00:04	WG1094372
1,2-Dichloropropane	U			0.000403	0.00113	1	04/07/2018 00:04	WG1094372
1,1-Dichloropropene	U			0.000357	0.00113	1	04/07/2018 00:04	WG1094372
1,3-Dichloropropane	U			0.000233	0.00113	1	04/07/2018 00:04	WG1094372
cis-1,3-Dichloropropene	U			0.000295	0.00113	1	04/07/2018 00:04	WG1094372
trans-1,3-Dichloropropene	U			0.000301	0.00113	1	04/07/2018 00:04	WG1094372
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000876	0.00282	1	04/07/2018 00:04	WG1094372
2,2-Dichloropropane	U			0.000314	0.00113	1	04/07/2018 00:04	WG1094372
Di-isopropyl ether	U	UJ	J0	0.000279	0.00113	1	04/07/2018 00:04	WG1094372
Ethylbenzene	U			0.000334	0.00113	1	04/07/2018 00:04	WG1094372
Hexachloro-1,3-butadiene	U			0.000385	0.00113	1	04/07/2018 00:04	WG1094372
2-Hexanone	U			0.00154	0.0113	1	04/07/2018 00:04	WG1094372
n-Hexane	U	UJ	J0	0.000327	0.0113	1	04/07/2018 00:04	WG1094372
Iodomethane	U			0.00285	0.0113	1	04/07/2018 00:04	WG1094372
Isopropylbenzene	U			0.000274	0.00113	1	04/07/2018 00:04	WG1094372
p-Isopropyltoluene	U			0.000230	0.00113	1	04/07/2018 00:04	WG1094372
2-Butanone (MEK)	U	UJ	J0	0.00527	0.0113	1	04/07/2018 00:04	WG1094372
Methylene Chloride	U			0.00113	0.00563	1	04/07/2018 00:04	WG1094372
4-Methyl-2-pentanone (MIBK)	U			0.00212	0.0113	1	04/07/2018 00:04	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/07/2018 00:04	WG1094372
Naphthalene	U		0.00113	0.00563	1	04/07/2018 00:04	WG1094372
n-Propylbenzene	U		0.000232	0.00113	1	04/07/2018 00:04	WG1094372
Styrene	U		0.000264	0.00113	1	04/07/2018 00:04	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	04/07/2018 00:04	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/07/2018 00:04	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/07/2018 00:04	WG1094372
Tetrachloroethene	U		0.000311	0.00113	1	04/07/2018 00:04	WG1094372
Toluene	U		0.000489	0.00563	1	04/07/2018 00:04	WG1094372
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	04/07/2018 00:04	WG1094372
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	04/07/2018 00:04	WG1094372
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/07/2018 00:04	WG1094372
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/07/2018 00:04	WG1094372
Trichloroethene	U		0.000314	0.00113	1	04/07/2018 00:04	WG1094372
Trichlorofluoromethane	U		0.000430	0.00563	1	04/07/2018 00:04	WG1094372
1,2,3-Trichloropropane	U		0.000834	0.00282	1	04/07/2018 00:04	WG1094372
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/07/2018 00:04	WG1094372
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/07/2018 00:04	WG1094372
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/07/2018 00:04	WG1094372
Vinyl acetate	U	UJ J0	0.00269	0.0113	1	04/07/2018 00:04	WG1094372
Vinyl chloride	U		0.000328	0.00113	1	04/07/2018 00:04	WG1094372
Xylenes, Total	U		0.000786	0.00338	1	04/07/2018 00:04	WG1094372
(S) Toluene-d8	*102*			*80.0-120*		*04/07/2018 00:04*	WG1094372
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/07/2018 00:04*	WG1094372
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*04/07/2018 00:04*	WG1094372

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	04/05/2018 16:16	WG1094226

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.376		0.0393	0.116	1	04/05/2018 12:29	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*114*			*77.0-120*		*04/05/2018 12:29*	WG1093756

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0116	0.0580	1	04/07/2018 00:24	WG1094372	
Acrylonitrile	U			0.00208	0.0116	1	04/07/2018 00:24	WG1094372	
Benzene	U			0.000313	0.00116	1	04/07/2018 00:24	WG1094372	
Bromobenzene	U			0.000329	0.00116	1	04/07/2018 00:24	WG1094372	
Bromodichloromethane	U	UJ	J0	0.000295	0.00116	1	04/07/2018 00:24	WG1094372	
Bromochloromethane	U			0.000452	0.00580	1	04/07/2018 00:24	WG1094372	
Bromoform	U		J0	0.000492	0.00116	1	04/07/2018 00:24	WG1094372	
Bromomethane	U			0.00155	0.00580	1	04/07/2018 00:24	WG1094372	
n-Butylbenzene	U			0.000299	0.00116	1	04/07/2018 00:24	WG1094372	
sec-Butylbenzene	U			0.000233	0.00116	1	04/07/2018 00:24	WG1094372	
tert-Butylbenzene	U			0.000239	0.00116	1	04/07/2018 00:24	WG1094372	
Carbon disulfide	U	UJ	J0	0.000256	0.00116	1	04/07/2018 00:24	WG1094372	
Carbon tetrachloride	U			0.000381	0.00116	1	04/07/2018 00:24	WG1094372	
Chlorobenzene	U			0.000246	0.00116	1	04/07/2018 00:24	WG1094372	
Chlorodibromomethane	U			0.000433	0.00116	1	04/07/2018 00:24	WG1094372	
Chloroethane	U			0.00110	0.00580	1	04/07/2018 00:24	WG1094372	
Chloroform	U			0.000266	0.00580	1	04/07/2018 00:24	WG1094372	
Chloromethane	U	UJ	J0	0.000435	0.00290	1	04/07/2018 00:24	WG1094372	
2-Chlorotoluene	U			0.000349	0.00116	1	04/07/2018 00:24	WG1094372	
4-Chlorotoluene	U			0.000278	0.00116	1	04/07/2018 00:24	WG1094372	
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00122	0.00580	1	04/07/2018 00:24	WG1094372	
1,2-Dibromoethane	U			0.000398	0.00116	1	04/07/2018 00:24	WG1094372	
Dibromomethane	U			0.000443	0.00116	1	04/07/2018 00:24	WG1094372	
1,2-Dichlorobenzene	U			0.000354	0.00116	1	04/07/2018 00:24	WG1094372	
1,3-Dichlorobenzene	U			0.000277	0.00116	1	04/07/2018 00:24	WG1094372	
1,4-Dichlorobenzene	U			0.000262	0.00116	1	04/07/2018 00:24	WG1094372	
Dichlorodifluoromethane	U			0.000827	0.00580	1	04/07/2018 00:24	WG1094372	
1,1-Dichloroethane	U			0.000231	0.00116	1	04/07/2018 00:24	WG1094372	
1,2-Dichloroethane	U			0.000307	0.00116	1	04/07/2018 00:24	WG1094372	
1,1-Dichloroethene	U			0.000351	0.00116	1	04/07/2018 00:24	WG1094372	
cis-1,2-Dichloroethene	0.00231			0.000273	0.00116	1	04/07/2018 00:24	WG1094372	
trans-1,2-Dichloroethene	U			0.000306	0.00116	1	04/07/2018 00:24	WG1094372	
1,2-Dichloropropane	U			0.000415	0.00116	1	04/07/2018 00:24	WG1094372	JC 4/25/18
1,1-Dichloropropene	U			0.000368	0.00116	1	04/07/2018 00:24	WG1094372	
1,3-Dichloropropane	U			0.000240	0.00116	1	04/07/2018 00:24	WG1094372	
cis-1,3-Dichloropropene	U			0.000304	0.00116	1	04/07/2018 00:24	WG1094372	
trans-1,3-Dichloropropene	U			0.000310	0.00116	1	04/07/2018 00:24	WG1094372	
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000903	0.00290	1	04/07/2018 00:24	WG1094372	
2,2-Dichloropropane	U			0.000324	0.00116	1	04/07/2018 00:24	WG1094372	
Di-isopropyl ether	U	UJ	J0	0.000288	0.00116	1	04/07/2018 00:24	WG1094372	
Ethylbenzene	U			0.000345	0.00116	1	04/07/2018 00:24	WG1094372	
Hexachloro-1,3-butadiene	U			0.000397	0.00116	1	04/07/2018 00:24	WG1094372	
2-Hexanone	U			0.00159	0.0116	1	04/07/2018 00:24	WG1094372	
n-Hexane	0.000692	J	J J0	0.000336	0.0116	1	04/07/2018 00:24	WG1094372	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00293	0.0116	1	04/07/2018 00:24	WG1094372
Isopropylbenzene	U		0.000282	0.00116	1	04/07/2018 00:24	WG1094372
p-Isopropyltoluene	U		0.000237	0.00116	1	04/07/2018 00:24	WG1094372
2-Butanone (MEK)	U	UJ J0	0.00543	0.0116	1	04/07/2018 00:24	WG1094372
Methylene Chloride	U		0.00116	0.00580	1	04/07/2018 00:24	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/07/2018 00:24	WG1094372
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/07/2018 00:24	WG1094372
Naphthalene	U		0.00116	0.00580	1	04/07/2018 00:24	WG1094372
n-Propylbenzene	U		0.000239	0.00116	1	04/07/2018 00:24	WG1094372
Styrene	U		0.000271	0.00116	1	04/07/2018 00:24	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/07/2018 00:24	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/07/2018 00:24	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/07/2018 00:24	WG1094372
Tetrachloroethene	0.0161		0.000320	0.00116	1	04/07/2018 00:24	WG1094372
Toluene	U		0.000503	0.00580	1	04/07/2018 00:24	WG1094372
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/07/2018 00:24	WG1094372
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/07/2018 00:24	WG1094372
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/07/2018 00:24	WG1094372
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/07/2018 00:24	WG1094372
Trichloroethene	0.000513	J J	0.000324	0.00116	1	04/07/2018 00:24	WG1094372
Trichlorofluoromethane	U		0.000443	0.00580	1	04/07/2018 00:24	WG1094372
1,2,3-Trichloropropane	U		0.000860	0.00290	1	04/07/2018 00:24	WG1094372
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/07/2018 00:24	WG1094372
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/07/2018 00:24	WG1094372
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	04/07/2018 00:24	WG1094372
Vinyl acetate	U	UJ J0	0.00277	0.0116	1	04/07/2018 00:24	WG1094372
Vinyl chloride	0.000654	J J	0.000338	0.00116	1	04/07/2018 00:24	WG1094372
Xylenes, Total	U		0.000810	0.00348	1	04/07/2018 00:24	WG1094372
(S) Toluene-d8	*105*			*80.0-120*		*04/07/2018 00:24*	WG1094372
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*04/07/2018 00:24*	WG1094372
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*04/07/2018 00:24*	WG1094372

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	04/05/2018 12:36	WG1093989

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.124		0.0395	0.116	1	04/05/2018 12:53	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 12:53*	WG1093756

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	JO	0.0116	0.0582	1	04/07/2018 00:44	WG1094372
Acrylonitrile	U			0.00208	0.0116	1	04/07/2018 00:44	WG1094372
Benzene	U			0.000314	0.00116	1	04/07/2018 00:44	WG1094372
Bromobenzene	U			0.000331	0.00116	1	04/07/2018 00:44	WG1094372
Bromodichloromethane	U	UJ	JO	0.000296	0.00116	1	04/07/2018 00:44	WG1094372
Bromochloromethane	U			0.000454	0.00582	1	04/07/2018 00:44	WG1094372
Bromoform	U		JO	0.000494	0.00116	1	04/07/2018 00:44	WG1094372
Bromomethane	U			0.00156	0.00582	1	04/07/2018 00:44	WG1094372
n-Butylbenzene	U			0.000300	0.00116	1	04/07/2018 00:44	WG1094372
sec-Butylbenzene	U			0.000234	0.00116	1	04/07/2018 00:44	WG1094372
tert-Butylbenzene	U			0.000240	0.00116	1	04/07/2018 00:44	WG1094372
Carbon disulfide	0.000291	J	J JO	0.000257	0.00116	1	04/07/2018 00:44	WG1094372
Carbon tetrachloride	U			0.000382	0.00116	1	04/07/2018 00:44	WG1094372
Chlorobenzene	U			0.000247	0.00116	1	04/07/2018 00:44	WG1094372
Chlorodibromomethane	U			0.000434	0.00116	1	04/07/2018 00:44	WG1094372
Chloroethane	U			0.00110	0.00582	1	04/07/2018 00:44	WG1094372
Chloroform	U			0.000267	0.00582	1	04/07/2018 00:44	WG1094372
Chloromethane	U	UJ	JO	0.000437	0.00291	1	04/07/2018 00:44	WG1094372
2-Chlorotoluene	U			0.000350	0.00116	1	04/07/2018 00:44	WG1094372
4-Chlorotoluene	U			0.000279	0.00116	1	04/07/2018 00:44	WG1094372
1,2-Dibromo-3-Chloropropane	U	UJ	JO	0.00122	0.00582	1	04/07/2018 00:44	WG1094372
1,2-Dibromoethane	U			0.000399	0.00116	1	04/07/2018 00:44	WG1094372
Dibromomethane	U			0.000445	0.00116	1	04/07/2018 00:44	WG1094372
1,2-Dichlorobenzene	U			0.000355	0.00116	1	04/07/2018 00:44	WG1094372
1,3-Dichlorobenzene	U			0.000278	0.00116	1	04/07/2018 00:44	WG1094372
1,4-Dichlorobenzene	U			0.000263	0.00116	1	04/07/2018 00:44	WG1094372
Dichlorodifluoromethane	U			0.000830	0.00582	1	04/07/2018 00:44	WG1094372
1,1-Dichloroethane	U			0.000232	0.00116	1	04/07/2018 00:44	WG1094372
1,2-Dichloroethane	U			0.000309	0.00116	1	04/07/2018 00:44	WG1094372
1,1-Dichloroethene	U			0.000353	0.00116	1	04/07/2018 00:44	WG1094372
cis-1,2-Dichloroethene	0.0157			0.000274	0.00116	1	04/07/2018 00:44	WG1094372
trans-1,2-Dichloroethene	U			0.000307	0.00116	1	04/07/2018 00:44	WG1094372
1,2-Dichloropropane	U			0.000417	0.00116	1	04/07/2018 00:44	WG1094372
1,1-Dichloropropene	U			0.000369	0.00116	1	04/07/2018 00:44	WG1094372
1,3-Dichloropropane	U			0.000241	0.00116	1	04/07/2018 00:44	WG1094372
cis-1,3-Dichloropropene	U			0.000305	0.00116	1	04/07/2018 00:44	WG1094372
trans-1,3-Dichloropropene	U			0.000311	0.00116	1	04/07/2018 00:44	WG1094372
trans-1,4-Dichloro-2-butene	U	UJ	JO	0.000906	0.00291	1	04/07/2018 00:44	WG1094372
2,2-Dichloropropane	U			0.000325	0.00116	1	04/07/2018 00:44	WG1094372
Di-isopropyl ether	U	UJ	JO	0.000289	0.00116	1	04/07/2018 00:44	WG1094372
Ethylbenzene	U			0.000346	0.00116	1	04/07/2018 00:44	WG1094372
Hexachloro-1,3-butadiene	U			0.000398	0.00116	1	04/07/2018 00:44	WG1094372
2-Hexanone	U			0.00159	0.0116	1	04/07/2018 00:44	WG1094372
n-Hexane	0.00116	J	J JO	0.000338	0.0116	1	04/07/2018 00:44	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00295	0.0116	1	04/07/2018 00:44	WG1094372
Isopropylbenzene	U		0.000283	0.00116	1	04/07/2018 00:44	WG1094372
p-Isopropyltoluene	U		0.000237	0.00116	1	04/07/2018 00:44	WG1094372
2-Butanone (MEK)	U	UJ J0	0.00545	0.0116	1	04/07/2018 00:44	WG1094372
Methylene Chloride	U		0.00116	0.00582	1	04/07/2018 00:44	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	04/07/2018 00:44	WG1094372
Methyl tert-butyl ether	U		0.000247	0.00116	1	04/07/2018 00:44	WG1094372
Naphthalene	U		0.00116	0.00582	1	04/07/2018 00:44	WG1094372
n-Propylbenzene	U		0.000240	0.00116	1	04/07/2018 00:44	WG1094372
Styrene	U		0.000272	0.00116	1	04/07/2018 00:44	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/07/2018 00:44	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	04/07/2018 00:44	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	04/07/2018 00:44	WG1094372
Tetrachloroethene	0.0323		0.000321	0.00116	1	04/07/2018 00:44	WG1094372
Toluene	U		0.000505	0.00582	1	04/07/2018 00:44	WG1094372
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	04/07/2018 00:44	WG1094372
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	04/07/2018 00:44	WG1094372
1,1,1-Trichloroethane	U		0.000333	0.00116	1	04/07/2018 00:44	WG1094372
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/07/2018 00:44	WG1094372
Trichloroethene	0.00223		0.000325	0.00116	1	04/07/2018 00:44	WG1094372
Trichlorofluoromethane	U		0.000445	0.00582	1	04/07/2018 00:44	WG1094372
1,2,3-Trichloropropane	U		0.000863	0.00291	1	04/07/2018 00:44	WG1094372
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	04/07/2018 00:44	WG1094372
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	04/07/2018 00:44	WG1094372
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	04/07/2018 00:44	WG1094372
Vinyl acetate	U	UJ J0	0.00278	0.0116	1	04/07/2018 00:44	WG1094372
Vinyl chloride	0.00133		0.000339	0.00116	1	04/07/2018 00:44	WG1094372
Xylenes, Total	U		0.000813	0.00349	1	04/07/2018 00:44	WG1094372
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2018 00:44*	WG1094372
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/07/2018 00:44*	WG1094372
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*04/07/2018 00:44*	WG1094372

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	04/05/2018 12:36	WG1093989

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0368	0.108	1	04/05/2018 13:17	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 13:17*	WG1093756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0108	0.0542	1	04/07/2018 01:04	WG1094372
Acrylonitrile	U		0.00194	0.0108	1	04/07/2018 01:04	WG1094372
Benzene	U		0.000293	0.00108	1	04/07/2018 01:04	WG1094372
Bromobenzene	U		0.000308	0.00108	1	04/07/2018 01:04	WG1094372
Bromodichloromethane	U UJ	J0	0.000275	0.00108	1	04/07/2018 01:04	WG1094372
Bromochloromethane	U		0.000423	0.00542	1	04/07/2018 01:04	WG1094372
Bromoform	U UJ	J0	0.000460	0.00108	1	04/07/2018 01:04	WG1094372
Bromomethane	U		0.00145	0.00542	1	04/07/2018 01:04	WG1094372
n-Butylbenzene	U		0.000280	0.00108	1	04/07/2018 01:04	WG1094372
sec-Butylbenzene	U		0.000218	0.00108	1	04/07/2018 01:04	WG1094372
tert-Butylbenzene	U		0.000223	0.00108	1	04/07/2018 01:04	WG1094372
Carbon disulfide	U UJ	J0	0.000240	0.00108	1	04/07/2018 01:04	WG1094372
Carbon tetrachloride	U		0.000356	0.00108	1	04/07/2018 01:04	WG1094372
Chlorobenzene	U		0.000230	0.00108	1	04/07/2018 01:04	WG1094372
Chlorodibromomethane	U		0.000404	0.00108	1	04/07/2018 01:04	WG1094372
Chloroethane	U		0.00103	0.00542	1	04/07/2018 01:04	WG1094372
Chloroform	U		0.000248	0.00542	1	04/07/2018 01:04	WG1094372
Chloromethane	U UJ	J0	0.000407	0.00271	1	04/07/2018 01:04	WG1094372
2-Chlorotoluene	U		0.000326	0.00108	1	04/07/2018 01:04	WG1094372
4-Chlorotoluene	U		0.000260	0.00108	1	04/07/2018 01:04	WG1094372
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00114	0.00542	1	04/07/2018 01:04	WG1094372
1,2-Dibromoethane	U		0.000372	0.00108	1	04/07/2018 01:04	WG1094372
Dibromomethane	U		0.000414	0.00108	1	04/07/2018 01:04	WG1094372
1,2-Dichlorobenzene	U		0.000331	0.00108	1	04/07/2018 01:04	WG1094372
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/07/2018 01:04	WG1094372
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/07/2018 01:04	WG1094372
Dichlorodifluoromethane	U		0.000773	0.00542	1	04/07/2018 01:04	WG1094372
1,1-Dichloroethane	U		0.000216	0.00108	1	04/07/2018 01:04	WG1094372
1,2-Dichloroethane	U		0.000287	0.00108	1	04/07/2018 01:04	WG1094372
1,1-Dichloroethene	U		0.000329	0.00108	1	04/07/2018 01:04	WG1094372
cis-1,2-Dichloroethene	0.00152		0.000255	0.00108	1	04/07/2018 01:04	WG1094372
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/07/2018 01:04	WG1094372
1,2-Dichloropropane	U		0.000388	0.00108	1	04/07/2018 01:04	WG1094372
1,1-Dichloropropene	U		0.000344	0.00108	1	04/07/2018 01:04	WG1094372
1,3-Dichloropropane	U		0.000224	0.00108	1	04/07/2018 01:04	WG1094372
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/07/2018 01:04	WG1094372
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/07/2018 01:04	WG1094372
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000844	0.00271	1	04/07/2018 01:04	WG1094372
2,2-Dichloropropane	U		0.000303	0.00108	1	04/07/2018 01:04	WG1094372
Di-isopropyl ether	U UJ	J0	0.000269	0.00108	1	04/07/2018 01:04	WG1094372
Ethylbenzene	U		0.000322	0.00108	1	04/07/2018 01:04	WG1094372
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	04/07/2018 01:04	WG1094372
2-Hexanone	U		0.00149	0.0108	1	04/07/2018 01:04	WG1094372
n-Hexane	U UJ	J0	0.000314	0.0108	1	04/07/2018 01:04	WG1094372

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

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U			0.00274	0.0108	1	04/07/2018 01:04	WG1094372
Isopropylbenzene	U			0.000263	0.00108	1	04/07/2018 01:04	WG1094372
p-Isopropyltoluene	U			0.000221	0.00108	1	04/07/2018 01:04	WG1094372
2-Butanone (MEK)	U	UJ	J0	0.00507	0.0108	1	04/07/2018 01:04	WG1094372
Methylene Chloride	U			0.00108	0.00542	1	04/07/2018 01:04	WG1094372
4-Methyl-2-pentanone (MIBK)	U			0.00204	0.0108	1	04/07/2018 01:04	WG1094372
Methyl tert-butyl ether	U			0.000230	0.00108	1	04/07/2018 01:04	WG1094372
Naphthalene	U			0.00108	0.00542	1	04/07/2018 01:04	WG1094372
n-Propylbenzene	U			0.000223	0.00108	1	04/07/2018 01:04	WG1094372
Styrene	U			0.000254	0.00108	1	04/07/2018 01:04	WG1094372
1,1,1,2-Tetrachloroethane	U			0.000286	0.00108	1	04/07/2018 01:04	WG1094372
1,1,2,2-Tetrachloroethane	U			0.000396	0.00108	1	04/07/2018 01:04	WG1094372
1,1,2-Trichlorotrifluoroethane	U			0.000396	0.00108	1	04/07/2018 01:04	WG1094372
Tetrachloroethene	0.0171			0.000299	0.00108	1	04/07/2018 01:04	WG1094372
Toluene	U			0.000471	0.00542	1	04/07/2018 01:04	WG1094372
1,2,3-Trichlorobenzene	U			0.000332	0.00108	1	04/07/2018 01:04	WG1094372
1,2,4-Trichlorobenzene	U			0.000421	0.00108	1	04/07/2018 01:04	WG1094372
1,1,1-Trichloroethane	U			0.000310	0.00108	1	04/07/2018 01:04	WG1094372
1,1,2-Trichloroethane	U			0.000300	0.00108	1	04/07/2018 01:04	WG1094372
Trichloroethene	0.000760	J	J	0.000303	0.00108	1	04/07/2018 01:04	WG1094372
Trichlorofluoromethane	U			0.000414	0.00542	1	04/07/2018 01:04	WG1094372
1,2,3-Trichloropropane	U			0.000803	0.00271	1	04/07/2018 01:04	WG1094372
1,2,4-Trimethylbenzene	U			0.000229	0.00108	1	04/07/2018 01:04	WG1094372
1,2,3-Trimethylbenzene	U			0.000311	0.00108	1	04/07/2018 01:04	WG1094372
1,3,5-Trimethylbenzene	U			0.000288	0.00108	1	04/07/2018 01:04	WG1094372
Vinyl acetate	U	UJ	J0	0.00259	0.0108	1	04/07/2018 01:04	WG1094372
Vinyl chloride	0.000410	J	J	0.000316	0.00108	1	04/07/2018 01:04	WG1094372
Xylenes, Total	U			0.000757	0.00325	1	04/07/2018 01:04	WG1094372
(S) Toluene-d8	*105*				*80.0-120*		*04/07/2018 01:04*	WG1094372
(S) Dibromofluoromethane	*101*				*74.0-131*		*04/07/2018 01:04*	WG1094372
(S) 4-Bromofluorobenzene	*89.8*				*64.0-132*		*04/07/2018 01:04*	WG1094372

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	04/06/2018 11:25	WG1094356

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.0447 J	J	0.0392	0.116	1	04/05/2018 14:03	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 14:03*	WG1093756

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0116	0.0578	1	04/07/2018 01:23	WG1094372
Acrylonitrile	U		0.00207	0.0116	1	04/07/2018 01:23	WG1094372
Benzene	U		0.000312	0.00116	1	04/07/2018 01:23	WG1094372
Bromobenzene	U		0.000329	0.00116	1	04/07/2018 01:23	WG1094372
Bromodichloromethane	U UJ	J0	0.000294	0.00116	1	04/07/2018 01:23	WG1094372
Bromochloromethane	U		0.000451	0.00578	1	04/07/2018 01:23	WG1094372
Bromoform	U UJ	J0	0.000491	0.00116	1	04/07/2018 01:23	WG1094372
Bromomethane	U		0.00155	0.00578	1	04/07/2018 01:23	WG1094372
n-Butylbenzene	U		0.000298	0.00116	1	04/07/2018 01:23	WG1094372
sec-Butylbenzene	U		0.000233	0.00116	1	04/07/2018 01:23	WG1094372
tert-Butylbenzene	U		0.000238	0.00116	1	04/07/2018 01:23	WG1094372
Carbon disulfide	U UJ	J0	0.000256	0.00116	1	04/07/2018 01:23	WG1094372
Carbon tetrachloride	U		0.000379	0.00116	1	04/07/2018 01:23	WG1094372
Chlorobenzene	U		0.000245	0.00116	1	04/07/2018 01:23	WG1094372
Chlorodibromomethane	U		0.000432	0.00116	1	04/07/2018 01:23	WG1094372
Chloroethane	U		0.00109	0.00578	1	04/07/2018 01:23	WG1094372
Chloroform	U		0.000265	0.00578	1	04/07/2018 01:23	WG1094372
Chloromethane	U UJ	J0	0.000434	0.00289	1	04/07/2018 01:23	WG1094372
2-Chlorotoluene	U		0.000348	0.00116	1	04/07/2018 01:23	WG1094372
4-Chlorotoluene	U		0.000278	0.00116	1	04/07/2018 01:23	WG1094372
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00121	0.00578	1	04/07/2018 01:23	WG1094372
1,2-Dibromoethane	U		0.000397	0.00116	1	04/07/2018 01:23	WG1094372
Dibromomethane	U		0.000442	0.00116	1	04/07/2018 01:23	WG1094372
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/07/2018 01:23	WG1094372
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/07/2018 01:23	WG1094372
1,4-Dichlorobenzene	U		0.000261	0.00116	1	04/07/2018 01:23	WG1094372
Dichlorodifluoromethane	U		0.000825	0.00578	1	04/07/2018 01:23	WG1094372
1,1-Dichloroethane	U		0.000230	0.00116	1	04/07/2018 01:23	WG1094372
1,2-Dichloroethane	U		0.000307	0.00116	1	04/07/2018 01:23	WG1094372
1,1-Dichloroethene	U		0.000351	0.00116	1	04/07/2018 01:23	WG1094372
cis-1,2-Dichloroethene	0.0138		0.000272	0.00116	1	04/07/2018 01:23	WG1094372
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	04/07/2018 01:23	WG1094372
1,2-Dichloropropane	U		0.000414	0.00116	1	04/07/2018 01:23	WG1094372
1,1-Dichloropropene	U		0.000367	0.00116	1	04/07/2018 01:23	WG1094372
1,3-Dichloropropane	U		0.000239	0.00116	1	04/07/2018 01:23	WG1094372
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/07/2018 01:23	WG1094372
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/07/2018 01:23	WG1094372
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000900	0.00289	1	04/07/2018 01:23	WG1094372
2,2-Dichloropropane	U		0.000323	0.00116	1	04/07/2018 01:23	WG1094372
Di-isopropyl ether	U UJ	J0	0.000287	0.00116	1	04/07/2018 01:23	WG1094372
Ethylbenzene	U		0.000344	0.00116	1	04/07/2018 01:23	WG1094372
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/07/2018 01:23	WG1094372
2-Hexanone	U		0.00158	0.0116	1	04/07/2018 01:23	WG1094372
n-Hexane	0.000860 J	J J0	0.000336	0.0116	1	04/07/2018 01:23	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00293	0.0116	1	04/07/2018 01:23	WG1094372
Isopropylbenzene	U		0.000281	0.00116	1	04/07/2018 01:23	WG1094372
p-Isopropyltoluene	U		0.000236	0.00116	1	04/07/2018 01:23	WG1094372
2-Butanone (MEK)	U	UJ J0	0.00541	0.0116	1	04/07/2018 01:23	WG1094372
Methylene Chloride	U		0.00116	0.00578	1	04/07/2018 01:23	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	04/07/2018 01:23	WG1094372
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/07/2018 01:23	WG1094372
Naphthalene	U		0.00116	0.00578	1	04/07/2018 01:23	WG1094372
n-Propylbenzene	U		0.000238	0.00116	1	04/07/2018 01:23	WG1094372
Styrene	U		0.000271	0.00116	1	04/07/2018 01:23	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/07/2018 01:23	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/07/2018 01:23	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/07/2018 01:23	WG1094372
Tetrachloroethene	0.0621		0.000319	0.00116	1	04/07/2018 01:23	WG1094372
Toluene	U		0.000502	0.00578	1	04/07/2018 01:23	WG1094372
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/07/2018 01:23	WG1094372
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/07/2018 01:23	WG1094372
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/07/2018 01:23	WG1094372
1,1,2-Trichloroethane	U		0.000320	0.00116	1	04/07/2018 01:23	WG1094372
Trichloroethene	0.00454		0.000323	0.00116	1	04/07/2018 01:23	WG1094372
Trichlorofluoromethane	U		0.000442	0.00578	1	04/07/2018 01:23	WG1094372
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/07/2018 01:23	WG1094372
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/07/2018 01:23	WG1094372
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/07/2018 01:23	WG1094372
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/07/2018 01:23	WG1094372
Vinyl acetate	U	UJ J0	0.00277	0.0116	1	04/07/2018 01:23	WG1094372
Vinyl chloride	0.00117		0.000337	0.00116	1	04/07/2018 01:23	WG1094372
Xylenes, Total	U		0.000808	0.00347	1	04/07/2018 01:23	WG1094372
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2018 01:23*	WG1094372
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/07/2018 01:23*	WG1094372
(S) 4-Bromofluorobenzene	*90.6*			*64.0-132*		*04/07/2018 01:23*	WG1094372

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	04/06/2018 11:25	WG1094356

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0372	0.110	1	04/05/2018 14:27	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 14:27*	WG1093756

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0110	0.0549	1	04/07/2018 01:43	WG1094372	
Acrylonitrile	U			0.00197	0.0110	1	04/07/2018 01:43	WG1094372	
Benzene	U			0.000297	0.00110	1	04/07/2018 01:43	WG1094372	
Bromobenzene	U			0.000312	0.00110	1	04/07/2018 01:43	WG1094372	
Bromodichloromethane	U	UJ	J0	0.000279	0.00110	1	04/07/2018 01:43	WG1094372	
Bromochloromethane	U			0.000428	0.00549	1	04/07/2018 01:43	WG1094372	
Bromoform	U	UJ	J0	0.000466	0.00110	1	04/07/2018 01:43	WG1094372	
Bromomethane	U			0.00147	0.00549	1	04/07/2018 01:43	WG1094372	
n-Butylbenzene	U			0.000283	0.00110	1	04/07/2018 01:43	WG1094372	
sec-Butylbenzene	U			0.000221	0.00110	1	04/07/2018 01:43	WG1094372	
tert-Butylbenzene	U			0.000226	0.00110	1	04/07/2018 01:43	WG1094372	
Carbon disulfide	U	UJ	J0	0.000243	0.00110	1	04/07/2018 01:43	WG1094372	
Carbon tetrachloride	U			0.000360	0.00110	1	04/07/2018 01:43	WG1094372	
Chlorobenzene	U			0.000233	0.00110	1	04/07/2018 01:43	WG1094372	
Chlorodibromomethane	U			0.000410	0.00110	1	04/07/2018 01:43	WG1094372	
Chloroethane	U			0.00104	0.00549	1	04/07/2018 01:43	WG1094372	
Chloroform	U			0.000251	0.00549	1	04/07/2018 01:43	WG1094372	
Chloromethane	U	UJ	J0	0.000412	0.00275	1	04/07/2018 01:43	WG1094372	
2-Chlorotoluene	U			0.000331	0.00110	1	04/07/2018 01:43	WG1094372	
4-Chlorotoluene	U			0.000264	0.00110	1	04/07/2018 01:43	WG1094372	
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00115	0.00549	1	04/07/2018 01:43	WG1094372	
1,2-Dibromoethane	U			0.000377	0.00110	1	04/07/2018 01:43	WG1094372	
Dibromomethane	U			0.000420	0.00110	1	04/07/2018 01:43	WG1094372	
1,2-Dichlorobenzene	U			0.000335	0.00110	1	04/07/2018 01:43	WG1094372	
1,3-Dichlorobenzene	U			0.000262	0.00110	1	04/07/2018 01:43	WG1094372	
1,4-Dichlorobenzene	U			0.000248	0.00110	1	04/07/2018 01:43	WG1094372	
Dichlorodifluoromethane	U			0.000783	0.00549	1	04/07/2018 01:43	WG1094372	
1,1-Dichloroethane	U			0.000219	0.00110	1	04/07/2018 01:43	WG1094372	
1,2-Dichloroethane	U			0.000291	0.00110	1	04/07/2018 01:43	WG1094372	
1,1-Dichloroethene	U			0.000333	0.00110	1	04/07/2018 01:43	WG1094372	
cis-1,2-Dichloroethene	0.00612			0.000258	0.00110	1	04/07/2018 01:43	WG1094372	
trans-1,2-Dichloroethene	U			0.000290	0.00110	1	04/07/2018 01:43	WG1094372	
1,2-Dichloropropane	U			0.000393	0.00110	1	04/07/2018 01:43	WG1094372	
1,1-Dichloropropene	U			0.000348	0.00110	1	04/07/2018 01:43	WG1094372	
1,3-Dichloropropane	U			0.000227	0.00110	1	04/07/2018 01:43	WG1094372	
cis-1,3-Dichloropropene	U			0.000288	0.00110	1	04/07/2018 01:43	WG1094372	
trans-1,3-Dichloropropene	U			0.000293	0.00110	1	04/07/2018 01:43	WG1094372	JC 4/25/18
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000854	0.00275	1	04/07/2018 01:43	WG1094372	
2,2-Dichloropropane	U			0.000306	0.00110	1	04/07/2018 01:43	WG1094372	
Di-isopropyl ether	U	UJ	J0	0.000272	0.00110	1	04/07/2018 01:43	WG1094372	
Ethylbenzene	U			0.000326	0.00110	1	04/07/2018 01:43	WG1094372	
Hexachloro-1,3-butadiene	U			0.000376	0.00110	1	04/07/2018 01:43	WG1094372	
2-Hexanone	U			0.00150	0.0110	1	04/07/2018 01:43	WG1094372	
n-Hexane	U	UJ	J0	0.000318	0.0110	1	04/07/2018 01:43	WG1094372	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00278	0.0110	1	04/07/2018 01:43	WG1094372
Isopropylbenzene	U		0.000267	0.00110	1	04/07/2018 01:43	WG1094372
p-Isopropyltoluene	U		0.000224	0.00110	1	04/07/2018 01:43	WG1094372
2-Butanone (MEK)	U	UJ J0	0.00514	0.0110	1	04/07/2018 01:43	WG1094372
Methylene Chloride	U		0.00110	0.00549	1	04/07/2018 01:43	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	04/07/2018 01:43	WG1094372
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/07/2018 01:43	WG1094372
Naphthalene	U		0.00110	0.00549	1	04/07/2018 01:43	WG1094372
n-Propylbenzene	U		0.000226	0.00110	1	04/07/2018 01:43	WG1094372
Styrene	U		0.000257	0.00110	1	04/07/2018 01:43	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/07/2018 01:43	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	04/07/2018 01:43	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	04/07/2018 01:43	WG1094372
Tetrachloroethene	0.00162		0.000303	0.00110	1	04/07/2018 01:43	WG1094372
Toluene	U		0.000477	0.00549	1	04/07/2018 01:43	WG1094372
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/07/2018 01:43	WG1094372
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/07/2018 01:43	WG1094372
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/07/2018 01:43	WG1094372
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/07/2018 01:43	WG1094372
Trichloroethene	0.000773	J J	0.000306	0.00110	1	04/07/2018 01:43	WG1094372
Trichlorofluoromethane	U		0.000420	0.00549	1	04/07/2018 01:43	WG1094372
1,2,3-Trichloropropane	U		0.000814	0.00275	1	04/07/2018 01:43	WG1094372
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/07/2018 01:43	WG1094372
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/07/2018 01:43	WG1094372
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/07/2018 01:43	WG1094372
Vinyl acetate	U	UJ J0	0.00262	0.0110	1	04/07/2018 01:43	WG1094372
Vinyl chloride	U		0.000320	0.00110	1	04/07/2018 01:43	WG1094372
Xylenes, Total	U		0.000767	0.00329	1	04/07/2018 01:43	WG1094372
(S) Toluene-d8	*106*			*80.0-120*		*04/07/2018 01:43*	WG1094372
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/07/2018 01:43*	WG1094372
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*		*04/07/2018 01:43*	WG1094372

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	04/06/2018 11:25	WG1094356

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0386	0.114	1	04/05/2018 15:07	WG1093756
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*04/05/2018 15:07*	WG1093756

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0114	0.0569	1	04/07/2018 02:03	WG1094372
Acrylonitrile	U			0.00204	0.0114	1	04/07/2018 02:03	WG1094372
Benzene	U			0.000307	0.00114	1	04/07/2018 02:03	WG1094372
Bromobenzene	U			0.000323	0.00114	1	04/07/2018 02:03	WG1094372
Bromodichloromethane	U	UJ	J0	0.000289	0.00114	1	04/07/2018 02:03	WG1094372
Bromochloromethane	U			0.000444	0.00569	1	04/07/2018 02:03	WG1094372
Bromoform	U	UJ	J0	0.000482	0.00114	1	04/07/2018 02:03	WG1094372
Bromomethane	U			0.00152	0.00569	1	04/07/2018 02:03	WG1094372
n-Butylbenzene	U			0.000293	0.00114	1	04/07/2018 02:03	WG1094372
sec-Butylbenzene	U			0.000229	0.00114	1	04/07/2018 02:03	WG1094372
tert-Butylbenzene	U			0.000234	0.00114	1	04/07/2018 02:03	WG1094372
Carbon disulfide	U	UJ	J0	0.000251	0.00114	1	04/07/2018 02:03	WG1094372
Carbon tetrachloride	U			0.000373	0.00114	1	04/07/2018 02:03	WG1094372
Chlorobenzene	U			0.000241	0.00114	1	04/07/2018 02:03	WG1094372
Chlorodibromomethane	U			0.000424	0.00114	1	04/07/2018 02:03	WG1094372
Chloroethane	U			0.00108	0.00569	1	04/07/2018 02:03	WG1094372
Chloroform	U			0.000260	0.00569	1	04/07/2018 02:03	WG1094372
Chloromethane	U	UJ	J0	0.000427	0.00284	1	04/07/2018 02:03	WG1094372
2-Chlorotoluene	U			0.000342	0.00114	1	04/07/2018 02:03	WG1094372
4-Chlorotoluene	U			0.000273	0.00114	1	04/07/2018 02:03	WG1094372
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00119	0.00569	1	04/07/2018 02:03	WG1094372
1,2-Dibromoethane	U			0.000390	0.00114	1	04/07/2018 02:03	WG1094372
Dibromomethane	U			0.000435	0.00114	1	04/07/2018 02:03	WG1094372
1,2-Dichlorobenzene	U			0.000347	0.00114	1	04/07/2018 02:03	WG1094372
1,3-Dichlorobenzene	U			0.000272	0.00114	1	04/07/2018 02:03	WG1094372
1,4-Dichlorobenzene	U			0.000257	0.00114	1	04/07/2018 02:03	WG1094372
Dichlorodifluoromethane	U			0.000811	0.00569	1	04/07/2018 02:03	WG1094372
1,1-Dichloroethane	U			0.000226	0.00114	1	04/07/2018 02:03	WG1094372
1,2-Dichloroethane	U			0.000301	0.00114	1	04/07/2018 02:03	WG1094372
1,1-Dichloroethene	U			0.000345	0.00114	1	04/07/2018 02:03	WG1094372
cis-1,2-Dichloroethene	0.000662	J	J	0.000267	0.00114	1	04/07/2018 02:03	WG1094372
trans-1,2-Dichloroethene	U			0.000300	0.00114	1	04/07/2018 02:03	WG1094372
1,2-Dichloropropane	U			0.000407	0.00114	1	04/07/2018 02:03	WG1094372
1,1-Dichloropropene	U			0.000361	0.00114	1	04/07/2018 02:03	WG1094372
1,3-Dichloropropane	U			0.000235	0.00114	1	04/07/2018 02:03	WG1094372
cis-1,3-Dichloropropene	U			0.000298	0.00114	1	04/07/2018 02:03	WG1094372
trans-1,3-Dichloropropene	U			0.000304	0.00114	1	04/07/2018 02:03	WG1094372
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000885	0.00284	1	04/07/2018 02:03	WG1094372
2,2-Dichloropropane	U			0.000317	0.00114	1	04/07/2018 02:03	WG1094372
Di-isopropyl ether	U	UJ	J0	0.000282	0.00114	1	04/07/2018 02:03	WG1094372
Ethylbenzene	U			0.000338	0.00114	1	04/07/2018 02:03	WG1094372
Hexachloro-1,3-butadiene	U			0.000389	0.00114	1	04/07/2018 02:03	WG1094372
2-Hexanone	U			0.00156	0.0114	1	04/07/2018 02:03	WG1094372
n-Hexane	U	UJ	J0	0.000330	0.0114	1	04/07/2018 02:03	WG1094372

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00288	0.0114	1	04/07/2018 02:03	WG1094372
Isopropylbenzene	U		0.000276	0.00114	1	04/07/2018 02:03	WG1094372
p-Isopropyltoluene	U		0.000232	0.00114	1	04/07/2018 02:03	WG1094372
2-Butanone (MEK)	U	UJ J0	0.00532	0.0114	1	04/07/2018 02:03	WG1094372
Methylene Chloride	U		0.00114	0.00569	1	04/07/2018 02:03	WG1094372
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/07/2018 02:03	WG1094372
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/07/2018 02:03	WG1094372
Naphthalene	U		0.00114	0.00569	1	04/07/2018 02:03	WG1094372
n-Propylbenzene	U		0.000234	0.00114	1	04/07/2018 02:03	WG1094372
Styrene	U		0.000266	0.00114	1	04/07/2018 02:03	WG1094372
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/07/2018 02:03	WG1094372
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	04/07/2018 02:03	WG1094372
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	04/07/2018 02:03	WG1094372
Tetrachloroethene	0.000376 J	J	0.000314	0.00114	1	04/07/2018 02:03	WG1094372
Toluene	U		0.000494	0.00569	1	04/07/2018 02:03	WG1094372
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/07/2018 02:03	WG1094372
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	04/07/2018 02:03	WG1094372
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/07/2018 02:03	WG1094372
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/07/2018 02:03	WG1094372
Trichloroethene	U		0.000317	0.00114	1	04/07/2018 02:03	WG1094372
Trichlorofluoromethane	U		0.000435	0.00569	1	04/07/2018 02:03	WG1094372
1,2,3-Trichloropropane	U		0.000843	0.00284	1	04/07/2018 02:03	WG1094372
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/07/2018 02:03	WG1094372
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	04/07/2018 02:03	WG1094372
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	04/07/2018 02:03	WG1094372
Vinyl acetate	U	UJ J0	0.00272	0.0114	1	04/07/2018 02:03	WG1094372
Vinyl chloride	U		0.000331	0.00114	1	04/07/2018 02:03	WG1094372
Xylenes, Total	U		0.000794	0.00341	1	04/07/2018 02:03	WG1094372
(S) Toluene-d8	*106*			*80.0-120*		*04/07/2018 02:03*	WG1094372
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/07/2018 02:03*	WG1094372
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*04/07/2018 02:03*	WG1094372

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ANALYTICAL REPORT

April 12, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L983275
Samples Received:	04/05/2018
Project Number:	1413.001.05.601
Description:	

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

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

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B-241-5 L983275-01 Solid

Collected by: R. McLaughlin | Collected date/time: 04/04/18 11:20 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095614	1	04/09/18 14:20	04/09/18 14:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 11:20	04/08/18 14:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	50	04/04/18 11:20	04/09/18 16:53	DWR

B-241-10 L983275-02 Solid

Collected by: R. McLaughlin | Collected date/time: 04/04/18 11:30 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095614	1	04/09/18 14:20	04/09/18 14:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 11:30	04/08/18 14:39	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 11:30	04/09/18 14:46	DWR

B-241-15 L983275-03 Solid

Collected by: R. McLaughlin | Collected date/time: 04/04/18 11:37 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095614	1	04/09/18 14:20	04/09/18 14:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 11:37	04/08/18 15:00	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 11:37	04/09/18 15:07	DWR

B-241-20 L983275-04 Solid

Collected by: R. McLaughlin | Collected date/time: 04/04/18 11:45 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095614	1	04/09/18 14:20	04/09/18 14:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 11:45	04/08/18 15:21	ACG

B-241-25 L983275-05 Solid

Collected by: R. McLaughlin | Collected date/time: 04/04/18 11:55 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095614	1	04/09/18 14:20	04/09/18 14:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 11:55	04/08/18 15:42	ACG

B-241-50 L983275-06 Solid

Collected by: R. McLaughlin | Collected date/time: 04/04/18 13:31 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095614	1	04/09/18 14:20	04/09/18 14:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 13:31	04/08/18 16:03	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	200	04/04/18 13:31	04/09/18 17:14	DWR

B-241-55 L983275-07 Solid

Collected by: R. McLaughlin | Collected date/time: 04/04/18 13:59 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095614	1	04/09/18 14:20	04/09/18 14:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 13:59	04/08/18 16:23	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	50	04/04/18 13:59	04/09/18 17:35	DWR

B-241-80 L983275-08 Solid

Collected by	Collected date/time	Received date/time
R. McLaughlin	04/04/18 15:07	04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095614	1	04/09/18 14:20	04/09/18 14:30	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 15:07	04/08/18 16:44	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/04/18 15:07	04/09/18 15:29	DWR

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

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0108	0.0542	1	04/08/2018 14:18	WG1094657
Acrylonitrile	U		0.00194	0.0108	1	04/08/2018 14:18	WG1094657
Benzene	0.00118		0.000293	0.00108	1	04/08/2018 14:18	WG1094657
Bromobenzene	U		0.000308	0.00108	1	04/08/2018 14:18	WG1094657
Bromodichloromethane	U		0.000275	0.00108	1	04/08/2018 14:18	WG1094657
Bromochloromethane	U		0.000423	0.00542	1	04/08/2018 14:18	WG1094657
Bromoform	U		0.000460	0.00108	1	04/08/2018 14:18	WG1094657
Bromomethane	U		0.00145	0.00542	1	04/08/2018 14:18	WG1094657
n-Butylbenzene	0.0102		0.000280	0.00108	1	04/08/2018 14:18	WG1094657
sec-Butylbenzene	0.00470		0.000218	0.00108	1	04/08/2018 14:18	WG1094657
tert-Butylbenzene	U		0.000223	0.00108	1	04/08/2018 14:18	WG1094657
Carbon disulfide	0.00263		0.000240	0.00108	1	04/08/2018 14:18	WG1094657
Carbon tetrachloride	U		0.000356	0.00108	1	04/08/2018 14:18	WG1094657
Chlorobenzene	U		0.000230	0.00108	1	04/08/2018 14:18	WG1094657
Chlorodibromomethane	U		0.000405	0.00108	1	04/08/2018 14:18	WG1094657
Chloroethane	U		0.00103	0.00542	1	04/08/2018 14:18	WG1094657
Chloroform	U		0.000248	0.00542	1	04/08/2018 14:18	WG1094657
Chloromethane	U		0.000407	0.00271	1	04/08/2018 14:18	WG1094657
2-Chlorotoluene	U		0.000326	0.00108	1	04/08/2018 14:18	WG1094657
4-Chlorotoluene	U		0.000260	0.00108	1	04/08/2018 14:18	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	04/08/2018 14:18	WG1094657
1,2-Dibromoethane	U		0.000372	0.00108	1	04/08/2018 14:18	WG1094657
Dibromomethane	U		0.000414	0.00108	1	04/08/2018 14:18	WG1094657
1,2-Dichlorobenzene	U		0.000331	0.00108	1	04/08/2018 14:18	WG1094657
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/08/2018 14:18	WG1094657
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/08/2018 14:18	WG1094657
Dichlorodifluoromethane	U		0.000773	0.00542	1	04/08/2018 14:18	WG1094657
1,1-Dichloroethane	U		0.000216	0.00108	1	04/08/2018 14:18	WG1094657
1,2-Dichloroethane	U		0.000287	0.00108	1	04/08/2018 14:18	WG1094657
1,1-Dichloroethene	U		0.000329	0.00108	1	04/08/2018 14:18	WG1094657
cis-1,2-Dichloroethene	0.00554		0.000255	0.00108	1	04/08/2018 14:18	WG1094657
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/08/2018 14:18	WG1094657
1,2-Dichloropropane	U		0.000388	0.00108	1	04/08/2018 14:18	WG1094657
1,1-Dichloropropene	U		0.000344	0.00108	1	04/08/2018 14:18	WG1094657
1,3-Dichloropropane	U		0.000225	0.00108	1	04/08/2018 14:18	WG1094657
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/08/2018 14:18	WG1094657
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	04/08/2018 14:18	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	04/08/2018 14:18	WG1094657
2,2-Dichloropropane	U		0.000303	0.00108	1	04/08/2018 14:18	WG1094657
Di-isopropyl ether	U		0.000269	0.00108	1	04/08/2018 14:18	WG1094657
Ethylbenzene	0.210		0.000322	0.00108	1	04/08/2018 14:18	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000371	0.00108	1	04/08/2018 14:18	WG1094657
2-Hexanone	U		0.00149	0.0108	1	04/08/2018 14:18	WG1094657
n-Hexane	0.0739		0.000315	0.0108	1	04/08/2018 14:18	WG1094657
Iodomethane	U		0.00274	0.0108	1	04/08/2018 14:18	WG1094657
Isopropylbenzene	0.0169		0.000264	0.00108	1	04/08/2018 14:18	WG1094657
p-Isopropyltoluene	0.00284		0.000221	0.00108	1	04/08/2018 14:18	WG1094657
2-Butanone (MEK)	U		0.00508	0.0108	1	04/08/2018 14:18	WG1094657
Methylene Chloride	U		0.00108	0.00542	1	04/08/2018 14:18	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/08/2018 14:18	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	04/08/2018 14:18	WG1094657
Naphthalene	0.0651		0.00108	0.00542	1	04/08/2018 14:18	WG1094657
n-Propylbenzene	0.0615		0.000223	0.00108	1	04/08/2018 14:18	WG1094657
Styrene	U		0.000254	0.00108	1	04/08/2018 14:18	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/08/2018 14:18	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	04/08/2018 14:18	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	04/08/2018 14:18	WG1094657
Tetrachloroethene	0.0428		0.000299	0.00108	1	04/08/2018 14:18	WG1094657
Toluene	0.0139		0.000471	0.00542	1	04/08/2018 14:18	WG1094657
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	04/08/2018 14:18	WG1094657
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	04/08/2018 14:18	WG1094657
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/08/2018 14:18	WG1094657
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/08/2018 14:18	WG1094657
Trichloroethene	0.00500		0.000303	0.00108	1	04/08/2018 14:18	WG1094657
Trichlorofluoromethane	U		0.000414	0.00542	1	04/08/2018 14:18	WG1094657
1,2,3-Trichloropropane	U		0.000804	0.00271	1	04/08/2018 14:18	WG1094657
1,2,4-Trimethylbenzene	3.64		0.0115	0.0542	50	04/09/2018 16:53	WG1094657
1,2,3-Trimethylbenzene	0.0961		0.000311	0.00108	1	04/08/2018 14:18	WG1094657
1,3,5-Trimethylbenzene	0.119		0.000289	0.00108	1	04/08/2018 14:18	WG1094657
Vinyl acetate	U		0.00259	0.0108	1	04/08/2018 14:18	WG1094657
Vinyl chloride	U		0.000316	0.00108	1	04/08/2018 14:18	WG1094657
Xylenes, Total	4.11		0.0379	0.163	50	04/09/2018 16:53	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 14:18*	WG1094657
(S) Toluene-d8	*93.1*			*80.0-120*		*04/09/2018 16:53*	WG1094657
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*04/08/2018 14:18*	WG1094657
(S) Dibromofluoromethane	*87.7*			*74.0-131*		*04/09/2018 16:53*	WG1094657
(S) 4-Bromofluorobenzene	*96.3*			*64.0-132*		*04/08/2018 14:18*	WG1094657
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*04/09/2018 16:53*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0567	1	04/08/2018 14:39	WG1094657
Acrylonitrile	U		0.00203	0.0113	1	04/08/2018 14:39	WG1094657
Benzene	U		0.000306	0.00113	1	04/08/2018 14:39	WG1094657
Bromobenzene	U		0.000322	0.00113	1	04/08/2018 14:39	WG1094657
Bromodichloromethane	U		0.000288	0.00113	1	04/08/2018 14:39	WG1094657
Bromochloromethane	U		0.000442	0.00567	1	04/08/2018 14:39	WG1094657
Bromoform	U		0.000481	0.00113	1	04/08/2018 14:39	WG1094657
Bromomethane	U		0.00152	0.00567	1	04/08/2018 14:39	WG1094657
n-Butylbenzene	U		0.000293	0.00113	1	04/08/2018 14:39	WG1094657
sec-Butylbenzene	U		0.000228	0.00113	1	04/08/2018 14:39	WG1094657
tert-Butylbenzene	U		0.000234	0.00113	1	04/08/2018 14:39	WG1094657
Carbon disulfide	U		0.000251	0.00113	1	04/08/2018 14:39	WG1094657
Carbon tetrachloride	U		0.000372	0.00113	1	04/08/2018 14:39	WG1094657
Chlorobenzene	U		0.000240	0.00113	1	04/08/2018 14:39	WG1094657
Chlorodibromomethane	U		0.000423	0.00113	1	04/08/2018 14:39	WG1094657
Chloroethane	U		0.00107	0.00567	1	04/08/2018 14:39	WG1094657
Chloroform	U		0.000260	0.00567	1	04/08/2018 14:39	WG1094657
Chloromethane	U		0.000425	0.00283	1	04/08/2018 14:39	WG1094657
2-Chlorotoluene	U		0.000341	0.00113	1	04/08/2018 14:39	WG1094657
4-Chlorotoluene	U		0.000272	0.00113	1	04/08/2018 14:39	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/08/2018 14:39	WG1094657
1,2-Dibromoethane	U		0.000389	0.00113	1	04/08/2018 14:39	WG1094657
Dibromomethane	U		0.000433	0.00113	1	04/08/2018 14:39	WG1094657
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/08/2018 14:39	WG1094657
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/08/2018 14:39	WG1094657
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/08/2018 14:39	WG1094657
Dichlorodifluoromethane	U		0.000808	0.00567	1	04/08/2018 14:39	WG1094657
1,1-Dichloroethane	U		0.000226	0.00113	1	04/08/2018 14:39	WG1094657
1,2-Dichloroethane	U		0.000300	0.00113	1	04/08/2018 14:39	WG1094657
1,1-Dichloroethene	U		0.000344	0.00113	1	04/08/2018 14:39	WG1094657
cis-1,2-Dichloroethene	0.0503		0.000266	0.00113	1	04/08/2018 14:39	WG1094657
trans-1,2-Dichloroethene	0.000357	J	0.000299	0.00113	1	04/08/2018 14:39	WG1094657
1,2-Dichloropropane	U		0.000406	0.00113	1	04/08/2018 14:39	WG1094657
1,1-Dichloropropene	U		0.000359	0.00113	1	04/08/2018 14:39	WG1094657
1,3-Dichloropropane	U		0.000235	0.00113	1	04/08/2018 14:39	WG1094657
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/08/2018 14:39	WG1094657
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/08/2018 14:39	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	04/08/2018 14:39	WG1094657
2,2-Dichloropropane	U		0.000316	0.00113	1	04/08/2018 14:39	WG1094657
Di-isopropyl ether	U		0.000281	0.00113	1	04/08/2018 14:39	WG1094657
Ethylbenzene	0.000337	J	0.000337	0.00113	1	04/08/2018 14:39	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000388	0.00113	1	04/08/2018 14:39	WG1094657
2-Hexanone	U		0.00155	0.0113	1	04/08/2018 14:39	WG1094657
n-Hexane	0.000331	J	0.000329	0.0113	1	04/08/2018 14:39	WG1094657
Iodomethane	U		0.00287	0.0113	1	04/08/2018 14:39	WG1094657
Isopropylbenzene	U		0.000276	0.00113	1	04/08/2018 14:39	WG1094657
p-Isopropyltoluene	U		0.000231	0.00113	1	04/08/2018 14:39	WG1094657
2-Butanone (MEK)	U		0.00531	0.0113	1	04/08/2018 14:39	WG1094657
Methylene Chloride	U		0.00113	0.00567	1	04/08/2018 14:39	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/08/2018 14:39	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/08/2018 14:39	WG1094657
Naphthalene	0.00187	J	0.00113	0.00567	1	04/08/2018 14:39	WG1094657
n-Propylbenzene	U		0.000234	0.00113	1	04/08/2018 14:39	WG1094657
Styrene	U		0.000265	0.00113	1	04/08/2018 14:39	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/08/2018 14:39	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/08/2018 14:39	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/08/2018 14:39	WG1094657
Tetrachloroethene	0.00116		0.000313	0.00113	1	04/08/2018 14:39	WG1094657
Toluene	U		0.000492	0.00567	1	04/08/2018 14:39	WG1094657
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/08/2018 14:39	WG1094657
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/08/2018 14:39	WG1094657
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/08/2018 14:39	WG1094657
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/08/2018 14:39	WG1094657
Trichloroethene	0.000459	J	0.000316	0.00113	1	04/08/2018 14:39	WG1094657
Trichlorofluoromethane	U		0.000433	0.00567	1	04/08/2018 14:39	WG1094657
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/08/2018 14:39	WG1094657
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/09/2018 14:46	WG1094657
1,2,3-Trimethylbenzene	0.000540	J	0.000325	0.00113	1	04/08/2018 14:39	WG1094657
1,3,5-Trimethylbenzene	0.000440	J	0.000302	0.00113	1	04/08/2018 14:39	WG1094657
Vinyl acetate	U		0.00271	0.0113	1	04/08/2018 14:39	WG1094657
Vinyl chloride	0.00320		0.000330	0.00113	1	04/08/2018 14:39	WG1094657
Xylenes, Total	U		0.000791	0.00340	1	04/09/2018 14:46	WG1094657
(S) Toluene-d8	*100*			*80.0-120*		*04/08/2018 14:39*	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 14:46*	WG1094657
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/09/2018 14:46*	WG1094657
(S) Dibromofluoromethane	*95.6*			*74.0-131*		*04/08/2018 14:39*	WG1094657
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*04/09/2018 14:46*	WG1094657
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/08/2018 14:39*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0558	1	04/08/2018 15:00	WG1094657
Acrylonitrile	U		0.00200	0.0112	1	04/08/2018 15:00	WG1094657
Benzene	U		0.000301	0.00112	1	04/08/2018 15:00	WG1094657
Bromobenzene	U		0.000317	0.00112	1	04/08/2018 15:00	WG1094657
Bromodichloromethane	U		0.000284	0.00112	1	04/08/2018 15:00	WG1094657
Bromochloromethane	U		0.000435	0.00558	1	04/08/2018 15:00	WG1094657
Bromoform	U		0.000473	0.00112	1	04/08/2018 15:00	WG1094657
Bromomethane	U		0.00150	0.00558	1	04/08/2018 15:00	WG1094657
n-Butylbenzene	U		0.000288	0.00112	1	04/08/2018 15:00	WG1094657
sec-Butylbenzene	U		0.000224	0.00112	1	04/08/2018 15:00	WG1094657
tert-Butylbenzene	U		0.000230	0.00112	1	04/08/2018 15:00	WG1094657
Carbon disulfide	U		0.000247	0.00112	1	04/08/2018 15:00	WG1094657
Carbon tetrachloride	U		0.000366	0.00112	1	04/08/2018 15:00	WG1094657
Chlorobenzene	U		0.000237	0.00112	1	04/08/2018 15:00	WG1094657
Chlorodibromomethane	U		0.000416	0.00112	1	04/08/2018 15:00	WG1094657
Chloroethane	0.00120	J	0.00106	0.00558	1	04/08/2018 15:00	WG1094657
Chloroform	U		0.000256	0.00558	1	04/08/2018 15:00	WG1094657
Chloromethane	U		0.000419	0.00279	1	04/08/2018 15:00	WG1094657
2-Chlorotoluene	U		0.000336	0.00112	1	04/08/2018 15:00	WG1094657
4-Chlorotoluene	U		0.000268	0.00112	1	04/08/2018 15:00	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/08/2018 15:00	WG1094657
1,2-Dibromoethane	U		0.000383	0.00112	1	04/08/2018 15:00	WG1094657
Dibromomethane	U		0.000426	0.00112	1	04/08/2018 15:00	WG1094657
1,2-Dichlorobenzene	U		0.000340	0.00112	1	04/08/2018 15:00	WG1094657
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/08/2018 15:00	WG1094657
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/08/2018 15:00	WG1094657
Dichlorodifluoromethane	U		0.000796	0.00558	1	04/08/2018 15:00	WG1094657
1,1-Dichloroethane	U		0.000222	0.00112	1	04/08/2018 15:00	WG1094657
1,2-Dichloroethane	U		0.000296	0.00112	1	04/08/2018 15:00	WG1094657
1,1-Dichloroethene	U		0.000338	0.00112	1	04/08/2018 15:00	WG1094657
cis-1,2-Dichloroethene	0.000701	J	0.000262	0.00112	1	04/08/2018 15:00	WG1094657
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/08/2018 15:00	WG1094657
1,2-Dichloropropane	U		0.000400	0.00112	1	04/08/2018 15:00	WG1094657
1,1-Dichloropropene	U		0.000354	0.00112	1	04/08/2018 15:00	WG1094657
1,3-Dichloropropane	U		0.000231	0.00112	1	04/08/2018 15:00	WG1094657
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	04/08/2018 15:00	WG1094657
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/08/2018 15:00	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000868	0.00279	1	04/08/2018 15:00	WG1094657
2,2-Dichloropropane	U		0.000311	0.00112	1	04/08/2018 15:00	WG1094657
Di-isopropyl ether	U		0.000277	0.00112	1	04/08/2018 15:00	WG1094657
Ethylbenzene	U		0.000332	0.00112	1	04/08/2018 15:00	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000382	0.00112	1	04/08/2018 15:00	WG1094657
2-Hexanone	U		0.00153	0.0112	1	04/08/2018 15:00	WG1094657
n-Hexane	U		0.000324	0.0112	1	04/08/2018 15:00	WG1094657
Iodomethane	U		0.00282	0.0112	1	04/08/2018 15:00	WG1094657
Isopropylbenzene	U		0.000271	0.00112	1	04/08/2018 15:00	WG1094657
p-Isopropyltoluene	U		0.000228	0.00112	1	04/08/2018 15:00	WG1094657
2-Butanone (MEK)	U		0.00522	0.0112	1	04/08/2018 15:00	WG1094657
Methylene Chloride	U		0.00112	0.00558	1	04/08/2018 15:00	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/08/2018 15:00	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/08/2018 15:00	WG1094657
Naphthalene	U		0.00112	0.00558	1	04/08/2018 15:00	WG1094657
n-Propylbenzene	U		0.000230	0.00112	1	04/08/2018 15:00	WG1094657
Styrene	U		0.000261	0.00112	1	04/08/2018 15:00	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/08/2018 15:00	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	04/08/2018 15:00	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	04/08/2018 15:00	WG1094657
Tetrachloroethene	0.00106	J	0.000308	0.00112	1	04/08/2018 15:00	WG1094657
Toluene	U		0.000484	0.00558	1	04/08/2018 15:00	WG1094657
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/08/2018 15:00	WG1094657
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/08/2018 15:00	WG1094657
1,1,1-Trichloroethane	U		0.000319	0.00112	1	04/08/2018 15:00	WG1094657
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/08/2018 15:00	WG1094657
Trichloroethene	0.000424	J	0.000311	0.00112	1	04/08/2018 15:00	WG1094657
Trichlorofluoromethane	U		0.000426	0.00558	1	04/08/2018 15:00	WG1094657
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/08/2018 15:00	WG1094657
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/09/2018 15:07	WG1094657
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/08/2018 15:00	WG1094657
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/08/2018 15:00	WG1094657
Vinyl acetate	U		0.00267	0.0112	1	04/08/2018 15:00	WG1094657
Vinyl chloride	0.00335		0.000325	0.00112	1	04/08/2018 15:00	WG1094657
Xylenes, Total	U		0.000779	0.00335	1	04/08/2018 15:00	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/08/2018 15:00*	WG1094657
(S) Toluene-d8	*99.9*			*80.0-120*		*04/09/2018 15:07*	WG1094657
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*04/08/2018 15:00*	WG1094657
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/09/2018 15:07*	WG1094657
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*04/09/2018 15:07*	WG1094657
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*04/08/2018 15:00*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0122	0.0609	1	04/08/2018 15:21	WG1094657
Acrylonitrile	U		0.00218	0.0122	1	04/08/2018 15:21	WG1094657
Benzene	U		0.000329	0.00122	1	04/08/2018 15:21	WG1094657
Bromobenzene	U		0.000346	0.00122	1	04/08/2018 15:21	WG1094657
Bromodichloromethane	U		0.000309	0.00122	1	04/08/2018 15:21	WG1094657
Bromochloromethane	U		0.000475	0.00609	1	04/08/2018 15:21	WG1094657
Bromoform	U		0.000516	0.00122	1	04/08/2018 15:21	WG1094657
Bromomethane	U		0.00163	0.00609	1	04/08/2018 15:21	WG1094657
n-Butylbenzene	U		0.000314	0.00122	1	04/08/2018 15:21	WG1094657
sec-Butylbenzene	U		0.000245	0.00122	1	04/08/2018 15:21	WG1094657
tert-Butylbenzene	U		0.000251	0.00122	1	04/08/2018 15:21	WG1094657
Carbon disulfide	U		0.000269	0.00122	1	04/08/2018 15:21	WG1094657
Carbon tetrachloride	U		0.000399	0.00122	1	04/08/2018 15:21	WG1094657
Chlorobenzene	U		0.000258	0.00122	1	04/08/2018 15:21	WG1094657
Chlorodibromomethane	U		0.000454	0.00122	1	04/08/2018 15:21	WG1094657
Chloroethane	0.00488	J	0.00115	0.00609	1	04/08/2018 15:21	WG1094657
Chloroform	U		0.000279	0.00609	1	04/08/2018 15:21	WG1094657
Chloromethane	U		0.000456	0.00304	1	04/08/2018 15:21	WG1094657
2-Chlorotoluene	U		0.000366	0.00122	1	04/08/2018 15:21	WG1094657
4-Chlorotoluene	U		0.000292	0.00122	1	04/08/2018 15:21	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00609	1	04/08/2018 15:21	WG1094657
1,2-Dibromoethane	U		0.000417	0.00122	1	04/08/2018 15:21	WG1094657
Dibromomethane	U		0.000465	0.00122	1	04/08/2018 15:21	WG1094657
1,2-Dichlorobenzene	U		0.000371	0.00122	1	04/08/2018 15:21	WG1094657
1,3-Dichlorobenzene	U		0.000291	0.00122	1	04/08/2018 15:21	WG1094657
1,4-Dichlorobenzene	U		0.000275	0.00122	1	04/08/2018 15:21	WG1094657
Dichlorodifluoromethane	U		0.000868	0.00609	1	04/08/2018 15:21	WG1094657
1,1-Dichloroethane	U		0.000242	0.00122	1	04/08/2018 15:21	WG1094657
1,2-Dichloroethane	U		0.000323	0.00122	1	04/08/2018 15:21	WG1094657
1,1-Dichloroethene	0.00159		0.000369	0.00122	1	04/08/2018 15:21	WG1094657
cis-1,2-Dichloroethene	0.172		0.000286	0.00122	1	04/08/2018 15:21	WG1094657
trans-1,2-Dichloroethene	0.00274		0.000321	0.00122	1	04/08/2018 15:21	WG1094657
1,2-Dichloropropane	U		0.000436	0.00122	1	04/08/2018 15:21	WG1094657
1,1-Dichloropropene	U		0.000386	0.00122	1	04/08/2018 15:21	WG1094657
1,3-Dichloropropane	U		0.000252	0.00122	1	04/08/2018 15:21	WG1094657
cis-1,3-Dichloropropene	U		0.000319	0.00122	1	04/08/2018 15:21	WG1094657
trans-1,3-Dichloropropene	U		0.000325	0.00122	1	04/08/2018 15:21	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000947	0.00304	1	04/08/2018 15:21	WG1094657
2,2-Dichloropropane	U		0.000340	0.00122	1	04/08/2018 15:21	WG1094657
Di-isopropyl ether	U		0.000302	0.00122	1	04/08/2018 15:21	WG1094657
Ethylbenzene	U		0.000361	0.00122	1	04/08/2018 15:21	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000416	0.00122	1	04/08/2018 15:21	WG1094657
2-Hexanone	U		0.00167	0.0122	1	04/08/2018 15:21	WG1094657
n-Hexane	U		0.000353	0.0122	1	04/08/2018 15:21	WG1094657
Iodomethane	U		0.00308	0.0122	1	04/08/2018 15:21	WG1094657
Isopropylbenzene	U		0.000296	0.00122	1	04/08/2018 15:21	WG1094657
p-Isopropyltoluene	U		0.000248	0.00122	1	04/08/2018 15:21	WG1094657
2-Butanone (MEK)	U		0.00570	0.0122	1	04/08/2018 15:21	WG1094657
Methylene Chloride	U		0.00122	0.00609	1	04/08/2018 15:21	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	04/08/2018 15:21	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000258	0.00122	1	04/08/2018 15:21	WG1094657
Naphthalene	U		0.00122	0.00609	1	04/08/2018 15:21	WG1094657
n-Propylbenzene	U		0.000251	0.00122	1	04/08/2018 15:21	WG1094657
Styrene	U		0.000285	0.00122	1	04/08/2018 15:21	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000321	0.00122	1	04/08/2018 15:21	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000444	0.00122	1	04/08/2018 15:21	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000444	0.00122	1	04/08/2018 15:21	WG1094657
Tetrachloroethene	0.0273		0.000336	0.00122	1	04/08/2018 15:21	WG1094657
Toluene	U		0.000528	0.00609	1	04/08/2018 15:21	WG1094657
1,2,3-Trichlorobenzene	U		0.000372	0.00122	1	04/08/2018 15:21	WG1094657
1,2,4-Trichlorobenzene	U		0.000472	0.00122	1	04/08/2018 15:21	WG1094657
1,1,1-Trichloroethane	U		0.000348	0.00122	1	04/08/2018 15:21	WG1094657
1,1,2-Trichloroethane	U		0.000337	0.00122	1	04/08/2018 15:21	WG1094657
Trichloroethene	0.0525		0.000340	0.00122	1	04/08/2018 15:21	WG1094657
Trichlorofluoromethane	U		0.000465	0.00609	1	04/08/2018 15:21	WG1094657
1,2,3-Trichloropropane	U		0.000902	0.00304	1	04/08/2018 15:21	WG1094657
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	04/08/2018 15:21	WG1094657
1,2,3-Trimethylbenzene	U		0.000349	0.00122	1	04/08/2018 15:21	WG1094657
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	04/08/2018 15:21	WG1094657
Vinyl acetate	U		0.00291	0.0122	1	04/08/2018 15:21	WG1094657
Vinyl chloride	0.0648		0.000354	0.00122	1	04/08/2018 15:21	WG1094657
Xylenes, Total	U		0.000849	0.00365	1	04/08/2018 15:21	WG1094657
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 15:21*	WG1094657
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*04/08/2018 15:21*	WG1094657
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/08/2018 15:21*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0254	J	0.0113	0.0565	1	04/08/2018 15:42	WG1094657
Acrylonitrile	U		0.00202	0.0113	1	04/08/2018 15:42	WG1094657
Benzene	U		0.000305	0.00113	1	04/08/2018 15:42	WG1094657
Bromobenzene	U		0.000321	0.00113	1	04/08/2018 15:42	WG1094657
Bromodichloromethane	U		0.000287	0.00113	1	04/08/2018 15:42	WG1094657
Bromochloromethane	U		0.000441	0.00565	1	04/08/2018 15:42	WG1094657
Bromoform	U		0.000479	0.00113	1	04/08/2018 15:42	WG1094657
Bromomethane	U		0.00151	0.00565	1	04/08/2018 15:42	WG1094657
n-Butylbenzene	U		0.000292	0.00113	1	04/08/2018 15:42	WG1094657
sec-Butylbenzene	U		0.000227	0.00113	1	04/08/2018 15:42	WG1094657
tert-Butylbenzene	U		0.000233	0.00113	1	04/08/2018 15:42	WG1094657
Carbon disulfide	0.000732	J	0.000250	0.00113	1	04/08/2018 15:42	WG1094657
Carbon tetrachloride	U		0.000371	0.00113	1	04/08/2018 15:42	WG1094657
Chlorobenzene	U		0.000240	0.00113	1	04/08/2018 15:42	WG1094657
Chlorodibromomethane	U		0.000422	0.00113	1	04/08/2018 15:42	WG1094657
Chloroethane	U		0.00107	0.00565	1	04/08/2018 15:42	WG1094657
Chloroform	U		0.000259	0.00565	1	04/08/2018 15:42	WG1094657
Chloromethane	0.000674	J	0.000424	0.00283	1	04/08/2018 15:42	WG1094657
2-Chlorotoluene	U		0.000340	0.00113	1	04/08/2018 15:42	WG1094657
4-Chlorotoluene	U		0.000271	0.00113	1	04/08/2018 15:42	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	04/08/2018 15:42	WG1094657
1,2-Dibromoethane	U		0.000388	0.00113	1	04/08/2018 15:42	WG1094657
Dibromomethane	U		0.000432	0.00113	1	04/08/2018 15:42	WG1094657
1,2-Dichlorobenzene	U		0.000345	0.00113	1	04/08/2018 15:42	WG1094657
1,3-Dichlorobenzene	U		0.000270	0.00113	1	04/08/2018 15:42	WG1094657
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/08/2018 15:42	WG1094657
Dichlorodifluoromethane	U		0.000806	0.00565	1	04/08/2018 15:42	WG1094657
1,1-Dichloroethane	U		0.000225	0.00113	1	04/08/2018 15:42	WG1094657
1,2-Dichloroethane	U		0.000300	0.00113	1	04/08/2018 15:42	WG1094657
1,1-Dichloroethene	U		0.000342	0.00113	1	04/08/2018 15:42	WG1094657
cis-1,2-Dichloroethene	0.0177		0.000266	0.00113	1	04/08/2018 15:42	WG1094657
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	04/08/2018 15:42	WG1094657
1,2-Dichloropropane	U		0.000405	0.00113	1	04/08/2018 15:42	WG1094657
1,1-Dichloropropene	U		0.000358	0.00113	1	04/08/2018 15:42	WG1094657
1,3-Dichloropropane	U		0.000234	0.00113	1	04/08/2018 15:42	WG1094657
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	04/08/2018 15:42	WG1094657
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	04/08/2018 15:42	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000879	0.00283	1	04/08/2018 15:42	WG1094657
2,2-Dichloropropane	U		0.000315	0.00113	1	04/08/2018 15:42	WG1094657
Di-isopropyl ether	U		0.000280	0.00113	1	04/08/2018 15:42	WG1094657
Ethylbenzene	U		0.000336	0.00113	1	04/08/2018 15:42	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000387	0.00113	1	04/08/2018 15:42	WG1094657
2-Hexanone	U		0.00155	0.0113	1	04/08/2018 15:42	WG1094657
n-Hexane	U		0.000328	0.0113	1	04/08/2018 15:42	WG1094657
Iodomethane	U		0.00286	0.0113	1	04/08/2018 15:42	WG1094657
Isopropylbenzene	U		0.000275	0.00113	1	04/08/2018 15:42	WG1094657
p-Isopropyltoluene	U		0.000231	0.00113	1	04/08/2018 15:42	WG1094657
2-Butanone (MEK)	0.0137		0.00529	0.0113	1	04/08/2018 15:42	WG1094657
Methylene Chloride	U		0.00113	0.00565	1	04/08/2018 15:42	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/08/2018 15:42	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/08/2018 15:42	WG1094657
Naphthalene	U		0.00113	0.00565	1	04/08/2018 15:42	WG1094657
n-Propylbenzene	U		0.000233	0.00113	1	04/08/2018 15:42	WG1094657
Styrene	U		0.000264	0.00113	1	04/08/2018 15:42	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/08/2018 15:42	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	04/08/2018 15:42	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	04/08/2018 15:42	WG1094657
Tetrachloroethene	0.0148		0.000312	0.00113	1	04/08/2018 15:42	WG1094657
Toluene	U		0.000491	0.00565	1	04/08/2018 15:42	WG1094657
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	04/08/2018 15:42	WG1094657
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	04/08/2018 15:42	WG1094657
1,1,1-Trichloroethane	U		0.000323	0.00113	1	04/08/2018 15:42	WG1094657
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/08/2018 15:42	WG1094657
Trichloroethene	0.00615		0.000315	0.00113	1	04/08/2018 15:42	WG1094657
Trichlorofluoromethane	U		0.000432	0.00565	1	04/08/2018 15:42	WG1094657
1,2,3-Trichloropropane	U		0.000838	0.00283	1	04/08/2018 15:42	WG1094657
1,2,4-Trimethylbenzene	0.000427	B J	0.000238	0.00113	1	04/08/2018 15:42	WG1094657
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	04/08/2018 15:42	WG1094657
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/08/2018 15:42	WG1094657
Vinyl acetate	U		0.00270	0.0113	1	04/08/2018 15:42	WG1094657
Vinyl chloride	0.00779		0.000329	0.00113	1	04/08/2018 15:42	WG1094657
Xylenes, Total	U		0.000789	0.00339	1	04/08/2018 15:42	WG1094657
(S) Toluene-d8	*106*			*80.0-120*		*04/08/2018 15:42*	WG1094657
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*04/08/2018 15:42*	WG1094657
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/08/2018 15:42*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.7		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0563	1	04/08/2018 16:03	WG1094657
Acrylonitrile	U		0.00202	0.0113	1	04/08/2018 16:03	WG1094657
Benzene	U		0.000304	0.00113	1	04/08/2018 16:03	WG1094657
Bromobenzene	U		0.000320	0.00113	1	04/08/2018 16:03	WG1094657
Bromodichloromethane	U		0.000286	0.00113	1	04/08/2018 16:03	WG1094657
Bromochloromethane	U		0.000439	0.00563	1	04/08/2018 16:03	WG1094657
Bromoform	U		0.000478	0.00113	1	04/08/2018 16:03	WG1094657
Bromomethane	U		0.00151	0.00563	1	04/08/2018 16:03	WG1094657
n-Butylbenzene	U		0.000291	0.00113	1	04/08/2018 16:03	WG1094657
sec-Butylbenzene	U		0.000227	0.00113	1	04/08/2018 16:03	WG1094657
tert-Butylbenzene	U		0.000232	0.00113	1	04/08/2018 16:03	WG1094657
Carbon disulfide	0.00197		0.000249	0.00113	1	04/08/2018 16:03	WG1094657
Carbon tetrachloride	U		0.000370	0.00113	1	04/08/2018 16:03	WG1094657
Chlorobenzene	U		0.000239	0.00113	1	04/08/2018 16:03	WG1094657
Chlorodibromomethane	U		0.000420	0.00113	1	04/08/2018 16:03	WG1094657
Chloroethane	U		0.00107	0.00563	1	04/08/2018 16:03	WG1094657
Chloroform	U		0.000258	0.00563	1	04/08/2018 16:03	WG1094657
Chloromethane	U		0.000423	0.00282	1	04/08/2018 16:03	WG1094657
2-Chlorotoluene	U		0.000339	0.00113	1	04/08/2018 16:03	WG1094657
4-Chlorotoluene	U		0.000270	0.00113	1	04/08/2018 16:03	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	04/08/2018 16:03	WG1094657
1,2-Dibromoethane	U		0.000387	0.00113	1	04/08/2018 16:03	WG1094657
Dibromomethane	U		0.000430	0.00113	1	04/08/2018 16:03	WG1094657
1,2-Dichlorobenzene	U		0.000344	0.00113	1	04/08/2018 16:03	WG1094657
1,3-Dichlorobenzene	U		0.000269	0.00113	1	04/08/2018 16:03	WG1094657
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/08/2018 16:03	WG1094657
Dichlorodifluoromethane	U		0.000803	0.00563	1	04/08/2018 16:03	WG1094657
1,1-Dichloroethane	U		0.000224	0.00113	1	04/08/2018 16:03	WG1094657
1,2-Dichloroethane	U		0.000299	0.00113	1	04/08/2018 16:03	WG1094657
1,1-Dichloroethene	0.0243		0.000341	0.00113	1	04/08/2018 16:03	WG1094657
cis-1,2-Dichloroethene	7.44		0.0530	0.225	200	04/09/2018 17:14	WG1094657
trans-1,2-Dichloroethene	0.0330		0.000297	0.00113	1	04/08/2018 16:03	WG1094657
1,2-Dichloropropane	U		0.000403	0.00113	1	04/08/2018 16:03	WG1094657
1,1-Dichloropropene	U		0.000357	0.00113	1	04/08/2018 16:03	WG1094657
1,3-Dichloropropane	U		0.000233	0.00113	1	04/08/2018 16:03	WG1094657
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	04/08/2018 16:03	WG1094657
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	04/08/2018 16:03	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000877	0.00282	1	04/08/2018 16:03	WG1094657
2,2-Dichloropropane	U		0.000314	0.00113	1	04/08/2018 16:03	WG1094657
Di-isopropyl ether	U		0.000279	0.00113	1	04/08/2018 16:03	WG1094657
Ethylbenzene	U		0.000335	0.00113	1	04/08/2018 16:03	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000385	0.00113	1	04/08/2018 16:03	WG1094657
2-Hexanone	U		0.00154	0.0113	1	04/08/2018 16:03	WG1094657
n-Hexane	0.000927	J	0.000327	0.0113	1	04/08/2018 16:03	WG1094657
Iodomethane	U		0.00285	0.0113	1	04/08/2018 16:03	WG1094657
Isopropylbenzene	U		0.000274	0.00113	1	04/08/2018 16:03	WG1094657
p-Isopropyltoluene	U		0.000230	0.00113	1	04/08/2018 16:03	WG1094657
2-Butanone (MEK)	U		0.00527	0.0113	1	04/08/2018 16:03	WG1094657
Methylene Chloride	U		0.00113	0.00563	1	04/08/2018 16:03	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/08/2018 16:03	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/08/2018 16:03	WG1094657
Naphthalene	U		0.00113	0.00563	1	04/08/2018 16:03	WG1094657
n-Propylbenzene	U		0.000232	0.00113	1	04/08/2018 16:03	WG1094657
Styrene	U		0.000264	0.00113	1	04/08/2018 16:03	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	04/08/2018 16:03	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/08/2018 16:03	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/08/2018 16:03	WG1094657
Tetrachloroethene	28.3		0.0622	0.225	200	04/09/2018 17:14	WG1094657
Toluene	U		0.000489	0.00563	1	04/08/2018 16:03	WG1094657
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	04/08/2018 16:03	WG1094657
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	04/08/2018 16:03	WG1094657
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/08/2018 16:03	WG1094657
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/08/2018 16:03	WG1094657
Trichloroethene	4.69		0.0629	0.225	200	04/09/2018 17:14	WG1094657
Trichlorofluoromethane	U		0.000430	0.00563	1	04/08/2018 16:03	WG1094657
1,2,3-Trichloropropane	U		0.000835	0.00282	1	04/08/2018 16:03	WG1094657
1,2,4-Trimethylbenzene	0.000499	B J	0.000238	0.00113	1	04/08/2018 16:03	WG1094657
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/08/2018 16:03	WG1094657
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/08/2018 16:03	WG1094657
Vinyl acetate	U		0.00269	0.0113	1	04/08/2018 16:03	WG1094657
Vinyl chloride	0.488		0.0656	0.225	200	04/09/2018 17:14	WG1094657
Xylenes, Total	U		0.000787	0.00338	1	04/08/2018 16:03	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/08/2018 16:03*	WG1094657
(S) Toluene-d8	*108*			*80.0-120*		*04/09/2018 17:14*	WG1094657
(S) Dibromofluoromethane	*97.3*			*74.0-131*		*04/08/2018 16:03*	WG1094657
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*04/09/2018 17:14*	WG1094657
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/08/2018 16:03*	WG1094657
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/09/2018 17:14*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0116	0.0582	1	04/08/2018 16:23	WG1094657
Acrylonitrile	U		0.00208	0.0116	1	04/08/2018 16:23	WG1094657
Benzene	U		0.000314	0.00116	1	04/08/2018 16:23	WG1094657
Bromobenzene	U		0.000331	0.00116	1	04/08/2018 16:23	WG1094657
Bromodichloromethane	U		0.000296	0.00116	1	04/08/2018 16:23	WG1094657
Bromochloromethane	U		0.000454	0.00582	1	04/08/2018 16:23	WG1094657
Bromoform	U		0.000494	0.00116	1	04/08/2018 16:23	WG1094657
Bromomethane	U		0.00156	0.00582	1	04/08/2018 16:23	WG1094657
n-Butylbenzene	U		0.000300	0.00116	1	04/08/2018 16:23	WG1094657
sec-Butylbenzene	U		0.000234	0.00116	1	04/08/2018 16:23	WG1094657
tert-Butylbenzene	U		0.000240	0.00116	1	04/08/2018 16:23	WG1094657
Carbon disulfide	0.000986	J	0.000257	0.00116	1	04/08/2018 16:23	WG1094657
Carbon tetrachloride	U		0.000382	0.00116	1	04/08/2018 16:23	WG1094657
Chlorobenzene	U		0.000247	0.00116	1	04/08/2018 16:23	WG1094657
Chlorodibromomethane	U		0.000434	0.00116	1	04/08/2018 16:23	WG1094657
Chloroethane	U		0.00110	0.00582	1	04/08/2018 16:23	WG1094657
Chloroform	U		0.000267	0.00582	1	04/08/2018 16:23	WG1094657
Chloromethane	U		0.000437	0.00291	1	04/08/2018 16:23	WG1094657
2-Chlorotoluene	U		0.000350	0.00116	1	04/08/2018 16:23	WG1094657
4-Chlorotoluene	U		0.000279	0.00116	1	04/08/2018 16:23	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	04/08/2018 16:23	WG1094657
1,2-Dibromoethane	U		0.000399	0.00116	1	04/08/2018 16:23	WG1094657
Dibromomethane	U		0.000445	0.00116	1	04/08/2018 16:23	WG1094657
1,2-Dichlorobenzene	U		0.000355	0.00116	1	04/08/2018 16:23	WG1094657
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/08/2018 16:23	WG1094657
1,4-Dichlorobenzene	U		0.000263	0.00116	1	04/08/2018 16:23	WG1094657
Dichlorodifluoromethane	U		0.000830	0.00582	1	04/08/2018 16:23	WG1094657
1,1-Dichloroethane	U		0.000232	0.00116	1	04/08/2018 16:23	WG1094657
1,2-Dichloroethane	U		0.000309	0.00116	1	04/08/2018 16:23	WG1094657
1,1-Dichloroethene	0.0129		0.000353	0.00116	1	04/08/2018 16:23	WG1094657
cis-1,2-Dichloroethene	2.01		0.0137	0.0582	50	04/09/2018 17:35	WG1094657
trans-1,2-Dichloroethene	0.00119		0.000307	0.00116	1	04/08/2018 16:23	WG1094657
1,2-Dichloropropane	U		0.000417	0.00116	1	04/08/2018 16:23	WG1094657
1,1-Dichloropropene	U		0.000369	0.00116	1	04/08/2018 16:23	WG1094657
1,3-Dichloropropane	U		0.000241	0.00116	1	04/08/2018 16:23	WG1094657
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	04/08/2018 16:23	WG1094657
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	04/08/2018 16:23	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	04/08/2018 16:23	WG1094657
2,2-Dichloropropane	U		0.000325	0.00116	1	04/08/2018 16:23	WG1094657
Di-isopropyl ether	U		0.000289	0.00116	1	04/08/2018 16:23	WG1094657
Ethylbenzene	U		0.000346	0.00116	1	04/08/2018 16:23	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000398	0.00116	1	04/08/2018 16:23	WG1094657
2-Hexanone	U		0.00160	0.0116	1	04/08/2018 16:23	WG1094657
n-Hexane	U		0.000338	0.0116	1	04/08/2018 16:23	WG1094657
Iodomethane	U		0.00295	0.0116	1	04/08/2018 16:23	WG1094657
Isopropylbenzene	U		0.000283	0.00116	1	04/08/2018 16:23	WG1094657
p-Isopropyltoluene	U		0.000238	0.00116	1	04/08/2018 16:23	WG1094657
2-Butanone (MEK)	U		0.00545	0.0116	1	04/08/2018 16:23	WG1094657
Methylene Chloride	U		0.00116	0.00582	1	04/08/2018 16:23	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	04/08/2018 16:23	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	04/08/2018 16:23	WG1094657
Naphthalene	U		0.00116	0.00582	1	04/08/2018 16:23	WG1094657
n-Propylbenzene	U		0.000240	0.00116	1	04/08/2018 16:23	WG1094657
Styrene	U		0.000272	0.00116	1	04/08/2018 16:23	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/08/2018 16:23	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	04/08/2018 16:23	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	04/08/2018 16:23	WG1094657
Tetrachloroethene	7.75		0.0161	0.0582	50	04/09/2018 17:35	WG1094657
Toluene	U		0.000505	0.00582	1	04/08/2018 16:23	WG1094657
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	04/08/2018 16:23	WG1094657
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	04/08/2018 16:23	WG1094657
1,1,1-Trichloroethane	U		0.000333	0.00116	1	04/08/2018 16:23	WG1094657
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/08/2018 16:23	WG1094657
Trichloroethene	2.11		0.0163	0.0582	50	04/09/2018 17:35	WG1094657
Trichlorofluoromethane	U		0.000445	0.00582	1	04/08/2018 16:23	WG1094657
1,2,3-Trichloropropane	U		0.000863	0.00291	1	04/08/2018 16:23	WG1094657
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	04/08/2018 16:23	WG1094657
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	04/08/2018 16:23	WG1094657
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	04/08/2018 16:23	WG1094657
Vinyl acetate	U		0.00278	0.0116	1	04/08/2018 16:23	WG1094657
Vinyl chloride	0.0575		0.000339	0.00116	1	04/08/2018 16:23	WG1094657
Xylenes, Total	U		0.000813	0.00349	1	04/08/2018 16:23	WG1094657
(S) Toluene-d8	*107*			*80.0-120*		*04/09/2018 17:35*	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 16:23*	WG1094657
(S) Dibromofluoromethane	*89.5*			*74.0-131*		*04/09/2018 17:35*	WG1094657
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*04/08/2018 16:23*	WG1094657
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*04/09/2018 17:35*	WG1094657
(S) 4-Bromofluorobenzene	*97.6*			*64.0-132*		*04/08/2018 16:23*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0575	1	04/08/2018 16:44	WG1094657
Acrylonitrile	U		0.00206	0.0115	1	04/08/2018 16:44	WG1094657
Benzene	U		0.000310	0.00115	1	04/08/2018 16:44	WG1094657
Bromobenzene	U		0.000326	0.00115	1	04/08/2018 16:44	WG1094657
Bromodichloromethane	U		0.000292	0.00115	1	04/08/2018 16:44	WG1094657
Bromochloromethane	U		0.000448	0.00575	1	04/08/2018 16:44	WG1094657
Bromoform	U		0.000487	0.00115	1	04/08/2018 16:44	WG1094657
Bromomethane	U		0.00154	0.00575	1	04/08/2018 16:44	WG1094657
n-Butylbenzene	U		0.000296	0.00115	1	04/08/2018 16:44	WG1094657
sec-Butylbenzene	U		0.000231	0.00115	1	04/08/2018 16:44	WG1094657
tert-Butylbenzene	U		0.000237	0.00115	1	04/08/2018 16:44	WG1094657
Carbon disulfide	U		0.000254	0.00115	1	04/08/2018 16:44	WG1094657
Carbon tetrachloride	U		0.000377	0.00115	1	04/08/2018 16:44	WG1094657
Chlorobenzene	U		0.000244	0.00115	1	04/08/2018 16:44	WG1094657
Chlorodibromomethane	U		0.000429	0.00115	1	04/08/2018 16:44	WG1094657
Chloroethane	U		0.00109	0.00575	1	04/08/2018 16:44	WG1094657
Chloroform	U		0.000263	0.00575	1	04/08/2018 16:44	WG1094657
Chloromethane	U		0.000431	0.00287	1	04/08/2018 16:44	WG1094657
2-Chlorotoluene	U		0.000346	0.00115	1	04/08/2018 16:44	WG1094657
4-Chlorotoluene	U		0.000276	0.00115	1	04/08/2018 16:44	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	04/08/2018 16:44	WG1094657
1,2-Dibromoethane	U		0.000394	0.00115	1	04/08/2018 16:44	WG1094657
Dibromomethane	U		0.000439	0.00115	1	04/08/2018 16:44	WG1094657
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/08/2018 16:44	WG1094657
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/08/2018 16:44	WG1094657
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/08/2018 16:44	WG1094657
Dichlorodifluoromethane	U		0.000819	0.00575	1	04/08/2018 16:44	WG1094657
1,1-Dichloroethane	U		0.000229	0.00115	1	04/08/2018 16:44	WG1094657
1,2-Dichloroethane	U		0.000305	0.00115	1	04/08/2018 16:44	WG1094657
1,1-Dichloroethene	U		0.000348	0.00115	1	04/08/2018 16:44	WG1094657
cis-1,2-Dichloroethene	0.0508		0.000270	0.00115	1	04/09/2018 15:29	WG1094657
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/08/2018 16:44	WG1094657
1,2-Dichloropropane	U		0.000411	0.00115	1	04/08/2018 16:44	WG1094657
1,1-Dichloropropene	U		0.000364	0.00115	1	04/08/2018 16:44	WG1094657
1,3-Dichloropropane	U		0.000238	0.00115	1	04/08/2018 16:44	WG1094657
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/08/2018 16:44	WG1094657
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/08/2018 16:44	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	04/08/2018 16:44	WG1094657
2,2-Dichloropropane	U		0.000321	0.00115	1	04/08/2018 16:44	WG1094657
Di-isopropyl ether	U		0.000285	0.00115	1	04/08/2018 16:44	WG1094657
Ethylbenzene	U		0.000341	0.00115	1	04/08/2018 16:44	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000393	0.00115	1	04/08/2018 16:44	WG1094657
2-Hexanone	U		0.00157	0.0115	1	04/08/2018 16:44	WG1094657
n-Hexane	U		0.000333	0.0115	1	04/08/2018 16:44	WG1094657
Iodomethane	U		0.00291	0.0115	1	04/08/2018 16:44	WG1094657
Isopropylbenzene	U		0.000279	0.00115	1	04/08/2018 16:44	WG1094657
p-Isopropyltoluene	U		0.000234	0.00115	1	04/08/2018 16:44	WG1094657
2-Butanone (MEK)	U		0.00538	0.0115	1	04/08/2018 16:44	WG1094657
Methylene Chloride	U		0.00115	0.00575	1	04/08/2018 16:44	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/08/2018 16:44	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/08/2018 16:44	WG1094657
Naphthalene	U		0.00115	0.00575	1	04/08/2018 16:44	WG1094657
n-Propylbenzene	U		0.000237	0.00115	1	04/08/2018 16:44	WG1094657
Styrene	U		0.000269	0.00115	1	04/08/2018 16:44	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/08/2018 16:44	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/08/2018 16:44	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/08/2018 16:44	WG1094657
Tetrachloroethene	0.0295		0.000317	0.00115	1	04/09/2018 15:29	WG1094657
Toluene	U		0.000499	0.00575	1	04/08/2018 16:44	WG1094657
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/08/2018 16:44	WG1094657
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	04/08/2018 16:44	WG1094657
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/08/2018 16:44	WG1094657
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/08/2018 16:44	WG1094657
Trichloroethene	0.00759		0.000321	0.00115	1	04/09/2018 15:29	WG1094657
Trichlorofluoromethane	U		0.000439	0.00575	1	04/08/2018 16:44	WG1094657
1,2,3-Trichloropropane	U		0.000852	0.00287	1	04/08/2018 16:44	WG1094657
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/08/2018 16:44	WG1094657
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/08/2018 16:44	WG1094657
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/08/2018 16:44	WG1094657
Vinyl acetate	U		0.00275	0.0115	1	04/08/2018 16:44	WG1094657
Vinyl chloride	0.00387		0.000334	0.00115	1	04/08/2018 16:44	WG1094657
Xylenes, Total	U		0.000802	0.00345	1	04/08/2018 16:44	WG1094657
(S) Toluene-d8	*99.0*			*80.0-120*		*04/09/2018 15:29*	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 16:44*	WG1094657
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/09/2018 15:29*	WG1094657
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/08/2018 16:44*	WG1094657
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*04/08/2018 16:44*	WG1094657
(S) 4-Bromofluorobenzene	*98.3*			*64.0-132*		*04/09/2018 15:29*	WG1094657

Method Blank (MB)

(MB) R3300377-1 04/09/18 14:30

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

L983275-06 Original Sample (OS) • Duplicate (DUP)

(OS) L983275-06 04/09/18 14:30 • (DUP) R3300377-3 04/09/18 14:30

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.7	89.4	1	0.703		5

Laboratory Control Sample (LCS)

(LCS) R3300377-2 04/09/18 14:30

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

Method Blank (MB)

(MB) R3300096-3 04/08/18 11:04

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

Method Blank (MB)

(MB) R3300096-3 04/08/18 11:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	0.000215	J	0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*93.3*			*74.0-131*
(S) 4-Bromofluorobenzene	*94.9*			*64.0-132*

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

(LCS) R3300096-1 04/08/18 10:02 • (LCSD) R3300096-2 04/08/18 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.102	0.118	81.3	94.3	11.0-160			14.8	23
Acrylonitrile	0.125	0.124	0.138	99.6	110	61.0-143			10.3	20
Benzene	0.0250	0.0261	0.0264	105	106	71.0-124			1.00	20
Bromobenzene	0.0250	0.0257	0.0260	103	104	78.0-120			0.823	20
Bromodichloromethane	0.0250	0.0267	0.0268	107	107	75.0-120			0.200	20
Bromochloromethane	0.0250	0.0264	0.0275	105	110	80.0-121			4.18	20
Bromoform	0.0250	0.0255	0.0266	102	107	65.0-133			4.42	20
Bromomethane	0.0250	0.0251	0.0254	100	102	26.0-160			1.44	20
n-Butylbenzene	0.0250	0.0283	0.0282	113	113	73.0-126			0.596	20
sec-Butylbenzene	0.0250	0.0274	0.0271	110	108	75.0-121			1.28	20
tert-Butylbenzene	0.0250	0.0280	0.0280	112	112	74.0-122			0.0235	20
Carbon disulfide	0.0250	0.0278	0.0280	111	112	53.0-130			0.753	20
Carbon tetrachloride	0.0250	0.0286	0.0258	114	103	66.0-123			10.4	20
Chlorobenzene	0.0250	0.0286	0.0285	114	114	79.0-121			0.378	20
Chlorodibromomethane	0.0250	0.0277	0.0279	111	112	74.0-128			0.608	20
Chloroethane	0.0250	0.0251	0.0248	101	99.3	51.0-147			1.28	20
Chloroform	0.0250	0.0266	0.0269	106	107	73.0-123			1.12	20
Chloromethane	0.0250	0.0261	0.0260	104	104	51.0-138			0.155	20
2-Chlorotoluene	0.0250	0.0274	0.0274	110	109	72.0-124			0.0484	20
4-Chlorotoluene	0.0250	0.0262	0.0264	105	106	78.0-120			0.932	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0245	0.0271	97.9	108	65.0-126			10.1	20
1,2-Dibromoethane	0.0250	0.0260	0.0279	104	112	78.0-122			7.02	20
Dibromomethane	0.0250	0.0258	0.0281	103	113	79.0-120			8.73	20
1,2-Dichlorobenzene	0.0250	0.0274	0.0283	110	113	80.0-120			2.94	20
1,3-Dichlorobenzene	0.0250	0.0276	0.0277	110	111	72.0-123			0.453	20
1,4-Dichlorobenzene	0.0250	0.0263	0.0262	105	105	77.0-120			0.320	20
trans-1,4-Dichloro-2-butene	0.0250	0.0262	0.0285	105	114	68.0-126			8.61	20
Dichlorodifluoromethane	0.0250	0.0272	0.0276	109	110	49.0-155			1.29	20
1,1-Dichloroethane	0.0250	0.0278	0.0277	111	111	70.0-128			0.241	20
1,2-Dichloroethane	0.0250	0.0249	0.0268	99.4	107	69.0-128			7.55	20
1,1-Dichloroethene	0.0250	0.0288	0.0286	115	114	63.0-131			0.821	20
cis-1,2-Dichloroethene	0.0250	0.0269	0.0271	108	108	74.0-123			0.609	20
trans-1,2-Dichloroethene	0.0250	0.0281	0.0276	113	111	72.0-122			1.73	20
1,2-Dichloropropane	0.0250	0.0278	0.0280	111	112	75.0-126			0.494	20
1,1-Dichloropropene	0.0250	0.0268	0.0264	107	106	72.0-130			1.59	20
1,3-Dichloropropane	0.0250	0.0261	0.0280	104	112	80.0-121			7.21	20
cis-1,3-Dichloropropene	0.0250	0.0276	0.0280	110	112	80.0-125			1.48	20
trans-1,3-Dichloropropene	0.0250	0.0271	0.0283	109	113	75.0-129			4.20	20
2,2-Dichloropropane	0.0250	0.0279	0.0291	111	117	60.0-129			4.45	20
Di-isopropyl ether	0.0250	0.0272	0.0280	109	112	62.0-133			2.86	20

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

(LCS) R3300096-1 04/08/18 10:02 • (LCSD) R3300096-2 04/08/18 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0291	0.0285	116	114	77.0-120			1.91	20
Hexachloro-1,3-butadiene	0.0250	0.0318	0.0328	127	131	68.0-128		J4	3.09	20
2-Hexanone	0.125	0.131	0.138	104	110	61.0-143			5.31	20
n-Hexane	0.0250	0.0262	0.0260	105	104	57.0-125			0.816	20
Iodomethane	0.125	0.146	0.145	117	116	67.0-132			0.416	20
Isopropylbenzene	0.0250	0.0273	0.0273	109	109	75.0-120			0.116	20
p-Isopropyltoluene	0.0250	0.0287	0.0287	115	115	74.0-125			0.247	20
2-Butanone (MEK)	0.125	0.112	0.127	89.6	102	37.0-159			12.6	20
Methylene Chloride	0.0250	0.0260	0.0278	104	111	67.0-123			6.75	20
4-Methyl-2-pentanone (MIBK)	0.125	0.131	0.141	105	113	60.0-144			6.96	20
Methyl tert-butyl ether	0.0250	0.0259	0.0278	104	111	66.0-125			7.28	20
Naphthalene	0.0250	0.0261	0.0277	104	111	64.0-125			5.97	20
n-Propylbenzene	0.0250	0.0274	0.0271	110	108	78.0-120			1.22	20
Styrene	0.0250	0.0262	0.0261	105	104	78.0-124			0.371	20
1,1,1,2-Tetrachloroethane	0.0250	0.0297	0.0293	119	117	74.0-124			1.42	20
1,1,2,2-Tetrachloroethane	0.0250	0.0239	0.0254	95.5	102	73.0-120			6.13	20
Tetrachloroethene	0.0250	0.0300	0.0292	120	117	70.0-127			2.62	20
Toluene	0.0250	0.0275	0.0273	110	109	77.0-120			0.743	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0293	0.0294	117	118	64.0-135			0.446	20
1,2,3-Trichlorobenzene	0.0250	0.0287	0.0304	115	122	68.0-126			5.77	20
1,2,4-Trichlorobenzene	0.0250	0.0287	0.0293	115	117	70.0-127			2.21	20
1,1,1-Trichloroethane	0.0250	0.0277	0.0277	111	111	69.0-125			0.00101	20
1,1,2-Trichloroethane	0.0250	0.0258	0.0273	103	109	78.0-120			5.48	20
Trichloroethene	0.0250	0.0296	0.0288	118	115	79.0-120			2.76	20
Trichlorofluoromethane	0.0250	0.0270	0.0269	108	108	59.0-136			0.406	20
1,2,3-Trichloropropane	0.0250	0.0237	0.0254	94.9	102	73.0-124			6.93	20
1,2,3-Trimethylbenzene	0.0250	0.0267	0.0268	107	107	76.0-120			0.696	20
1,2,4-Trimethylbenzene	0.0250	0.0280	0.0278	112	111	75.0-120			0.702	20
1,3,5-Trimethylbenzene	0.0250	0.0278	0.0276	111	110	75.0-120			0.675	20
Vinyl acetate	0.125	0.118	0.126	94.0	101	58.0-156			6.66	20
Vinyl chloride	0.0250	0.0274	0.0282	109	113	63.0-134			2.85	20
Xylenes, Total	0.0750	0.0899	0.0877	120	117	77.0-120			2.48	20
(S) Toluene-d8				*109*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*91.9*	*92.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*92.5*	*93.6*	*64.0-132*				

L983078-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983078-01 04/08/18 13:16 • (MS) R3300096-4 04/08/18 20:13 • (MSD) R3300096-5 04/08/18 20:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.133	U	3.92	6.02	112	172	28	10.0-160		J3 J5	42.2	36
Acrylonitrile	0.133	U	3.09	4.53	88.3	129	28	14.0-160		J3	37.7	33
Benzene	0.0266	U	0.562	0.683	80.3	97.6	28	13.0-146			19.5	27
Bromobenzene	0.0266	U	0.577	0.681	82.5	97.3	28	10.0-149			16.5	33
Bromodichloromethane	0.0266	U	0.628	0.770	89.7	110	28	15.0-142			20.4	28
Bromochloromethane	0.0266		0.585	0.729	83.6	104	28	24.0-146			21.9	27
Bromoform	0.0266	U	0.571	0.736	81.6	105	28	10.0-147			25.1	31
Bromomethane	0.0266	U	0.317	0.381	45.3	54.4	28	10.0-160			18.3	32
n-Butylbenzene	0.0266	U	0.584	0.671	83.4	95.8	28	10.0-154			13.8	37
sec-Butylbenzene	0.0266	U	0.662	0.749	94.6	107	28	10.0-151			12.3	36
tert-Butylbenzene	0.0266	U	0.641	0.744	91.6	106	28	10.0-152			14.9	35
Carbon disulfide	0.0266		0.337	0.417	48.1	59.6	28	10.0-141			21.4	30
Carbon tetrachloride	0.0266	U	0.594	0.671	84.9	95.9	28	13.0-140			12.2	30
Chlorobenzene	0.0266	U	0.612	0.731	87.4	104	28	10.0-149			17.7	31
Chlorodibromomethane	0.0266	U	0.613	0.770	87.6	110	28	12.0-147			22.8	29
Chloroethane	0.0266	U	0.154	0.146	22.0	20.9	28	10.0-159			5.14	33
Chloroform	0.0266	U	0.600	0.738	85.7	105	28	18.0-148			20.7	28
Chloromethane	0.0266	U	0.421	0.524	60.1	74.8	28	10.0-146			21.9	29
2-Chlorotoluene	0.0266	U	0.599	0.709	85.6	101	28	10.0-151			16.8	35
4-Chlorotoluene	0.0266	U	0.575	0.679	82.1	96.9	28	10.0-150			16.5	35
1,2-Dibromo-3-Chloropropane	0.0266	U	0.532	0.790	76.0	113	28	10.0-149		J3	39.0	34
1,2-Dibromoethane	0.0266	U	0.593	0.752	84.7	107	28	14.0-145			23.6	28
Dibromomethane	0.0266	U	0.591	0.761	84.4	109	28	18.0-144			25.2	27
1,2-Dichlorobenzene	0.0266	U	0.599	0.729	85.6	104	28	10.0-153			19.5	34
1,3-Dichlorobenzene	0.0266	U	0.589	0.700	84.2	100	28	10.0-150			17.1	35
1,4-Dichlorobenzene	0.0266	U	0.569	0.669	81.3	95.6	28	10.0-148			16.2	34
trans-1,4-Dichloro-2-butene	0.0266		0.611	0.862	87.2	123	28	10.0-160			34.1	40
Dichlorodifluoromethane	0.0266	U	0.503	0.635	71.9	90.7	28	10.0-160			23.2	30
1,1-Dichloroethane	0.0266	U	0.598	0.740	85.4	106	28	19.0-148			21.3	28
1,2-Dichloroethane	0.0266	U	0.589	0.737	84.1	105	28	17.0-147			22.3	27
1,1-Dichloroethene	0.0266	U	0.533	0.679	76.1	97.0	28	10.0-150			24.1	31
cis-1,2-Dichloroethene	0.0266	U	0.582	0.731	83.1	104	28	16.0-145			22.7	28
trans-1,2-Dichloroethene	0.0266	U	0.533	0.653	76.1	93.2	28	11.0-142			20.2	29
1,2-Dichloropropane	0.0266	U	0.630	0.778	90.0	111	28	17.0-148			21.0	28
1,1-Dichloropropene	0.0266	U	0.527	0.651	75.3	93.0	28	10.0-150			21.1	30
1,3-Dichloropropane	0.0266	U	0.601	0.763	85.9	109	28	16.0-148			23.7	27
cis-1,3-Dichloropropene	0.0266	U	0.605	0.734	86.4	105	28	13.0-150			19.2	28
trans-1,3-Dichloropropene	0.0266	U	0.598	0.752	85.4	107	28	10.0-152			22.9	29
2,2-Dichloropropane	0.0266	U	0.559	0.678	79.9	96.9	28	16.0-143			19.3	30
Di-isopropyl ether	0.0266	U	0.621	0.782	88.8	112	28	16.0-149			22.9	28

L983078-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983078-01 04/08/18 13:16 • (MS) R3300096-4 04/08/18 20:13 • (MSD) R3300096-5 04/08/18 20:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0266	U	0.617	0.739	88.2	106	28	10.0-147			18.0	31
Hexachloro-1,3-butadiene	0.0266	U	0.561	0.585	80.1	83.5	28	10.0-154			4.17	40
2-Hexanone	0.133		3.61	5.33	103	152	28	12.0-158		J3	38.6	30
n-Hexane	0.0266		0.424	0.533	60.5	76.2	28	10.0-140			22.9	34
Iodomethane	0.133		2.67	3.30	76.4	94.4	28	10.0-157			21.1	34
Isopropylbenzene	0.0266	U	0.620	0.720	88.6	103	28	10.0-147			14.9	33
p-Isopropyltoluene	0.0266	0.204	0.799	0.908	85.0	101	28	10.0-156			12.8	37
2-Butanone (MEK)	0.133	U	3.84	5.79	110	165	28	10.0-160		J3 J5	40.5	33
Methylene Chloride	0.0266	U	0.560	0.689	80.1	98.5	28	16.0-139			20.7	29
4-Methyl-2-pentanone (MIBK)	0.133	U	3.14	4.53	89.6	129	28	12.0-160		J3	36.3	32
Methyl tert-butyl ether	0.0266	U	0.613	0.846	87.6	121	28	21.0-145		J3	31.9	29
Naphthalene	0.0266	U	0.561	0.743	80.1	106	28	10.0-153			27.9	36
n-Propylbenzene	0.0266	U	0.589	0.694	84.1	99.2	28	10.0-151			16.5	34
Styrene	0.0266	U	0.636	0.766	90.8	109	28	10.0-155			18.5	34
1,1,1,2-Tetrachloroethane	0.0266	U	0.656	0.785	93.7	112	28	10.0-147			17.9	30
1,1,2,2-Tetrachloroethane	0.0266	U	0.529	0.699	75.6	99.9	28	10.0-155			27.6	31
Tetrachloroethene	0.0266	U	0.589	0.689	84.1	98.4	28	10.0-144			15.6	32
Toluene	0.0266	U	0.573	0.688	81.8	98.3	28	10.0-144			18.3	28
1,1,2-Trichlorotrifluoroethane	0.0266	U	0.609	0.750	86.9	107	28	10.0-153			20.8	33
1,2,3-Trichlorobenzene	0.0266	U	0.568	0.686	81.1	97.9	28	10.0-153			18.8	40
1,2,4-Trichlorobenzene	0.0266	U	0.544	0.648	77.7	92.6	28	10.0-156			17.5	40
1,1,1-Trichloroethane	0.0266	U	0.609	0.748	87.0	107	28	18.0-145			20.6	29
1,1,2-Trichloroethane	0.0266	U	0.604	0.758	86.2	108	28	12.0-151			22.7	28
Trichloroethene	0.0266	U	0.651	0.785	93.0	112	28	11.0-148			18.6	29
Trichlorofluoromethane	0.0266	U	0.244	0.264	34.9	37.8	28	10.0-157			7.97	34
1,2,3-Trichloropropane	0.0266	U	0.569	0.761	81.3	109	28	10.0-154			29.0	32
1,2,3-Trimethylbenzene	0.0266	U	0.614	0.720	87.7	103	28	10.0-150			15.9	33
1,2,4-Trimethylbenzene	0.0266	0.0144	0.613	0.720	85.6	101	28	10.0-151			16.0	34
1,3,5-Trimethylbenzene	0.0266	U	0.615	0.711	87.9	102	28	10.0-150			14.5	33
Vinyl acetate	0.133		0.369	0.383	10.6	10.9	28	10.0-160			3.52	40
Vinyl chloride	0.0266	U	0.460	0.561	65.7	80.1	28	10.0-150			19.7	29
Xylenes, Total	0.0798	U	1.88	2.23	89.3	106	28	10.0-150			17.3	31
(S) Toluene-d8					*105*	*104*		*80.0-120*				
(S) Dibromofluoromethane					*90.7*	*93.1*		*74.0-131*				
(S) 4-Bromofluorobenzene					*91.1*	*90.6*		*64.0-132*				

Sample Narrative:

OS: Dilution due to matrix

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

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

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

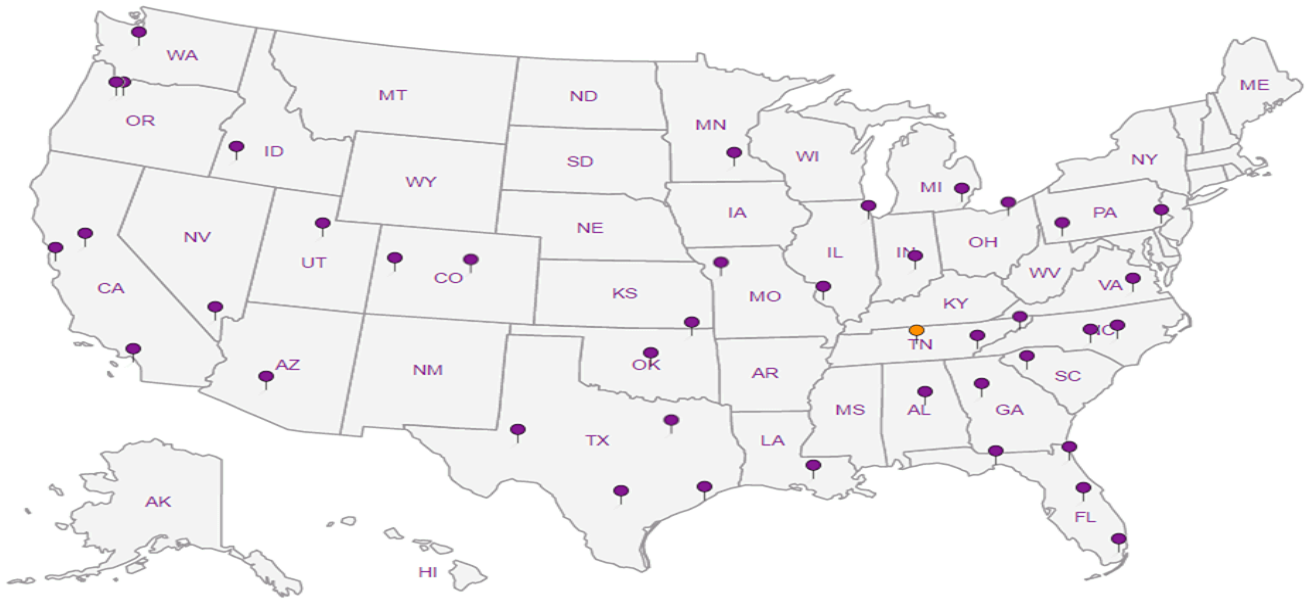
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: Seattle WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): R. McLaughlin 3

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson R.T. McLaugh

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
B-241-5	Grab	SS	5	4-4-18	1120	5	X	X										-01
B-241-10		SS	10		1130													-02
B-241-15		SS	15		1137													-03
B-241-20		SS	20		1145													-04
B-241-25		SS	25		1155													-05
B-241-50		SS	50		1331													-06
B-241-55	X	SS	55	X	1359													-07
B-241-80	X	SS	80	X	1507	X	X	X										-08
		SS																
		SS																

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LABORATORIES
a subsidiary of Accutest
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 983275

H092

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEX Ground

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 4269 9216 3059

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes (No) HCL / MeoH TBR	
R.T. McLaugh	4-4-18	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.5 °C Bottles Received: 40	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Kathryn Cason	Date: 4/5/18 Time: 0845	Hold: Condition: NCF / OK

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0108	0.0542	1	04/08/2018 14:18	WG1094657	
Acrylonitrile	U		0.00194	0.0108	1	04/08/2018 14:18	WG1094657	
Benzene	0.00118		0.000293	0.00108	1	04/08/2018 14:18	WG1094657	
Bromobenzene	U		0.000308	0.00108	1	04/08/2018 14:18	WG1094657	
Bromodichloromethane	U		0.000275	0.00108	1	04/08/2018 14:18	WG1094657	
Bromochloromethane	U		0.000423	0.00542	1	04/08/2018 14:18	WG1094657	
Bromoform	U		0.000460	0.00108	1	04/08/2018 14:18	WG1094657	
Bromomethane	U		0.00145	0.00542	1	04/08/2018 14:18	WG1094657	
n-Butylbenzene	0.0102		0.000280	0.00108	1	04/08/2018 14:18	WG1094657	
sec-Butylbenzene	0.00470		0.000218	0.00108	1	04/08/2018 14:18	WG1094657	
tert-Butylbenzene	U		0.000223	0.00108	1	04/08/2018 14:18	WG1094657	
Carbon disulfide	0.00263		0.000240	0.00108	1	04/08/2018 14:18	WG1094657	
Carbon tetrachloride	U		0.000356	0.00108	1	04/08/2018 14:18	WG1094657	
Chlorobenzene	U		0.000230	0.00108	1	04/08/2018 14:18	WG1094657	
Chlorodibromomethane	U		0.000405	0.00108	1	04/08/2018 14:18	WG1094657	
Chloroethane	U		0.00103	0.00542	1	04/08/2018 14:18	WG1094657	
Chloroform	U		0.000248	0.00542	1	04/08/2018 14:18	WG1094657	
Chloromethane	U		0.000407	0.00271	1	04/08/2018 14:18	WG1094657	
2-Chlorotoluene	U		0.000326	0.00108	1	04/08/2018 14:18	WG1094657	
4-Chlorotoluene	U		0.000260	0.00108	1	04/08/2018 14:18	WG1094657	
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	04/08/2018 14:18	WG1094657	
1,2-Dibromoethane	U		0.000372	0.00108	1	04/08/2018 14:18	WG1094657	
Dibromomethane	U		0.000414	0.00108	1	04/08/2018 14:18	WG1094657	
1,2-Dichlorobenzene	U		0.000331	0.00108	1	04/08/2018 14:18	WG1094657	
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/08/2018 14:18	WG1094657	
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/08/2018 14:18	WG1094657	
Dichlorodifluoromethane	U		0.000773	0.00542	1	04/08/2018 14:18	WG1094657	
1,1-Dichloroethane	U		0.000216	0.00108	1	04/08/2018 14:18	WG1094657	
1,2-Dichloroethane	U		0.000287	0.00108	1	04/08/2018 14:18	WG1094657	
1,1-Dichloroethene	U		0.000329	0.00108	1	04/08/2018 14:18	WG1094657	
cis-1,2-Dichloroethene	0.00554		0.000255	0.00108	1	04/08/2018 14:18	WG1094657	
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/08/2018 14:18	WG1094657	
1,2-Dichloropropane	U		0.000388	0.00108	1	04/08/2018 14:18	WG1094657	
1,1-Dichloropropene	U		0.000344	0.00108	1	04/08/2018 14:18	WG1094657	
1,3-Dichloropropane	U		0.000225	0.00108	1	04/08/2018 14:18	WG1094657	
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/08/2018 14:18	WG1094657	
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	04/08/2018 14:18	WG1094657	
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	04/08/2018 14:18	WG1094657	
2,2-Dichloropropane	U		0.000303	0.00108	1	04/08/2018 14:18	WG1094657	
Di-isopropyl ether	U		0.000269	0.00108	1	04/08/2018 14:18	WG1094657	
Ethylbenzene	0.210		0.000322	0.00108	1	04/08/2018 14:18	WG1094657	
Hexachloro-1,3-butadiene	U	J4	0.000371	0.00108	1	04/08/2018 14:18	WG1094657	JC 4/25/18
2-Hexanone	U		0.00149	0.0108	1	04/08/2018 14:18	WG1094657	
n-Hexane	0.0739		0.000315	0.0108	1	04/08/2018 14:18	WG1094657	
Iodomethane	U		0.00274	0.0108	1	04/08/2018 14:18	WG1094657	
Isopropylbenzene	0.0169		0.000264	0.00108	1	04/08/2018 14:18	WG1094657	
p-Isopropyltoluene	0.00284		0.000221	0.00108	1	04/08/2018 14:18	WG1094657	
2-Butanone (MEK)	U		0.00508	0.0108	1	04/08/2018 14:18	WG1094657	
Methylene Chloride	U		0.00108	0.00542	1	04/08/2018 14:18	WG1094657	
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/08/2018 14:18	WG1094657	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	04/08/2018 14:18	WG1094657
Naphthalene	0.0651		0.00108	0.00542	1	04/08/2018 14:18	WG1094657
n-Propylbenzene	0.0615		0.000223	0.00108	1	04/08/2018 14:18	WG1094657
Styrene	U		0.000254	0.00108	1	04/08/2018 14:18	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/08/2018 14:18	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	04/08/2018 14:18	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	04/08/2018 14:18	WG1094657
Tetrachloroethene	0.0428		0.000299	0.00108	1	04/08/2018 14:18	WG1094657
Toluene	0.0139		0.000471	0.00542	1	04/08/2018 14:18	WG1094657
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	04/08/2018 14:18	WG1094657
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	04/08/2018 14:18	WG1094657
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/08/2018 14:18	WG1094657
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/08/2018 14:18	WG1094657
Trichloroethene	0.00500		0.000303	0.00108	1	04/08/2018 14:18	WG1094657
Trichlorofluoromethane	U		0.000414	0.00542	1	04/08/2018 14:18	WG1094657
1,2,3-Trichloropropane	U		0.000804	0.00271	1	04/08/2018 14:18	WG1094657
1,2,4-Trimethylbenzene	3.64		0.0115	0.0542	50	04/09/2018 16:53	WG1094657
1,2,3-Trimethylbenzene	0.0961		0.000311	0.00108	1	04/08/2018 14:18	WG1094657
1,3,5-Trimethylbenzene	0.119		0.000289	0.00108	1	04/08/2018 14:18	WG1094657
Vinyl acetate	U		0.00259	0.0108	1	04/08/2018 14:18	WG1094657
Vinyl chloride	U		0.000316	0.00108	1	04/08/2018 14:18	WG1094657
Xylenes, Total	4.11		0.0379	0.163	50	04/09/2018 16:53	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 14:18*	WG1094657
(S) Toluene-d8	*93.1*			*80.0-120*		*04/09/2018 16:53*	WG1094657
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*04/08/2018 14:18*	WG1094657
(S) Dibromofluoromethane	*87.7*			*74.0-131*		*04/09/2018 16:53*	WG1094657
(S) 4-Bromofluorobenzene	*96.3*			*64.0-132*		*04/08/2018 14:18*	WG1094657
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*04/09/2018 16:53*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0567	1	04/08/2018 14:39	WG1094657
Acrylonitrile	U		0.00203	0.0113	1	04/08/2018 14:39	WG1094657
Benzene	U		0.000306	0.00113	1	04/08/2018 14:39	WG1094657
Bromobenzene	U		0.000322	0.00113	1	04/08/2018 14:39	WG1094657
Bromodichloromethane	U		0.000288	0.00113	1	04/08/2018 14:39	WG1094657
Bromochloromethane	U		0.000442	0.00567	1	04/08/2018 14:39	WG1094657
Bromoform	U		0.000481	0.00113	1	04/08/2018 14:39	WG1094657
Bromomethane	U		0.00152	0.00567	1	04/08/2018 14:39	WG1094657
n-Butylbenzene	U		0.000293	0.00113	1	04/08/2018 14:39	WG1094657
sec-Butylbenzene	U		0.000228	0.00113	1	04/08/2018 14:39	WG1094657
tert-Butylbenzene	U		0.000234	0.00113	1	04/08/2018 14:39	WG1094657
Carbon disulfide	U		0.000251	0.00113	1	04/08/2018 14:39	WG1094657
Carbon tetrachloride	U		0.000372	0.00113	1	04/08/2018 14:39	WG1094657
Chlorobenzene	U		0.000240	0.00113	1	04/08/2018 14:39	WG1094657
Chlorodibromomethane	U		0.000423	0.00113	1	04/08/2018 14:39	WG1094657
Chloroethane	U		0.00107	0.00567	1	04/08/2018 14:39	WG1094657
Chloroform	U		0.000260	0.00567	1	04/08/2018 14:39	WG1094657
Chloromethane	U		0.000425	0.00283	1	04/08/2018 14:39	WG1094657
2-Chlorotoluene	U		0.000341	0.00113	1	04/08/2018 14:39	WG1094657
4-Chlorotoluene	U		0.000272	0.00113	1	04/08/2018 14:39	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/08/2018 14:39	WG1094657
1,2-Dibromoethane	U		0.000389	0.00113	1	04/08/2018 14:39	WG1094657
Dibromomethane	U		0.000433	0.00113	1	04/08/2018 14:39	WG1094657
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/08/2018 14:39	WG1094657
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/08/2018 14:39	WG1094657
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/08/2018 14:39	WG1094657
Dichlorodifluoromethane	U		0.000808	0.00567	1	04/08/2018 14:39	WG1094657
1,1-Dichloroethane	U		0.000226	0.00113	1	04/08/2018 14:39	WG1094657
1,2-Dichloroethane	U		0.000300	0.00113	1	04/08/2018 14:39	WG1094657
1,1-Dichloroethene	U		0.000344	0.00113	1	04/08/2018 14:39	WG1094657
cis-1,2-Dichloroethene	0.0503		0.000266	0.00113	1	04/08/2018 14:39	WG1094657
trans-1,2-Dichloroethene	0.000357 J	J	0.000299	0.00113	1	04/08/2018 14:39	WG1094657
1,2-Dichloropropane	U		0.000406	0.00113	1	04/08/2018 14:39	WG1094657
1,1-Dichloropropene	U		0.000359	0.00113	1	04/08/2018 14:39	WG1094657
1,3-Dichloropropane	U		0.000235	0.00113	1	04/08/2018 14:39	WG1094657
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/08/2018 14:39	WG1094657
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/08/2018 14:39	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	04/08/2018 14:39	WG1094657
2,2-Dichloropropane	U		0.000316	0.00113	1	04/08/2018 14:39	WG1094657
Di-isopropyl ether	U		0.000281	0.00113	1	04/08/2018 14:39	WG1094657
Ethylbenzene	0.000337 J	J	0.000337	0.00113	1	04/08/2018 14:39	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000388	0.00113	1	04/08/2018 14:39	WG1094657
2-Hexanone	U		0.00155	0.0113	1	04/08/2018 14:39	WG1094657
n-Hexane	0.000331 J	J	0.000329	0.0113	1	04/08/2018 14:39	WG1094657
Iodomethane	U		0.00287	0.0113	1	04/08/2018 14:39	WG1094657
Isopropylbenzene	U		0.000276	0.00113	1	04/08/2018 14:39	WG1094657
p-Isopropyltoluene	U		0.000231	0.00113	1	04/08/2018 14:39	WG1094657
2-Butanone (MEK)	U		0.00531	0.0113	1	04/08/2018 14:39	WG1094657 JC 4/25/18
Methylene Chloride	U		0.00113	0.00567	1	04/08/2018 14:39	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/08/2018 14:39	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/08/2018 14:39	WG1094657
Naphthalene	0.00187	J J	0.00113	0.00567	1	04/08/2018 14:39	WG1094657
n-Propylbenzene	U		0.000234	0.00113	1	04/08/2018 14:39	WG1094657
Styrene	U		0.000265	0.00113	1	04/08/2018 14:39	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/08/2018 14:39	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/08/2018 14:39	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/08/2018 14:39	WG1094657
Tetrachloroethene	0.00116		0.000313	0.00113	1	04/08/2018 14:39	WG1094657
Toluene	U		0.000492	0.00567	1	04/08/2018 14:39	WG1094657
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/08/2018 14:39	WG1094657
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/08/2018 14:39	WG1094657
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/08/2018 14:39	WG1094657
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/08/2018 14:39	WG1094657
Trichloroethene	0.000459	J J	0.000316	0.00113	1	04/08/2018 14:39	WG1094657
Trichlorofluoromethane	U		0.000433	0.00567	1	04/08/2018 14:39	WG1094657
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/08/2018 14:39	WG1094657
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/09/2018 14:46	WG1094657
1,2,3-Trimethylbenzene	0.000540	J J	0.000325	0.00113	1	04/08/2018 14:39	WG1094657
1,3,5-Trimethylbenzene	0.000440	J J	0.000302	0.00113	1	04/08/2018 14:39	WG1094657
Vinyl acetate	U		0.00271	0.0113	1	04/08/2018 14:39	WG1094657
Vinyl chloride	0.00320		0.000330	0.00113	1	04/08/2018 14:39	WG1094657
Xylenes, Total	U		0.000791	0.00340	1	04/09/2018 14:46	WG1094657
(S) Toluene-d8	*100*			*80.0-120*		*04/08/2018 14:39*	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 14:46*	WG1094657
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/09/2018 14:46*	WG1094657
(S) Dibromofluoromethane	*95.6*			*74.0-131*		*04/08/2018 14:39*	WG1094657
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*04/09/2018 14:46*	WG1094657
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/08/2018 14:39*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0112	0.0558	1	04/08/2018 15:00	WG1094657	
Acrylonitrile	U		0.00200	0.0112	1	04/08/2018 15:00	WG1094657	
Benzene	U		0.000301	0.00112	1	04/08/2018 15:00	WG1094657	
Bromobenzene	U		0.000317	0.00112	1	04/08/2018 15:00	WG1094657	
Bromodichloromethane	U		0.000284	0.00112	1	04/08/2018 15:00	WG1094657	
Bromochloromethane	U		0.000435	0.00558	1	04/08/2018 15:00	WG1094657	
Bromoform	U		0.000473	0.00112	1	04/08/2018 15:00	WG1094657	
Bromomethane	U		0.00150	0.00558	1	04/08/2018 15:00	WG1094657	
n-Butylbenzene	U		0.000288	0.00112	1	04/08/2018 15:00	WG1094657	
sec-Butylbenzene	U		0.000224	0.00112	1	04/08/2018 15:00	WG1094657	
tert-Butylbenzene	U		0.000230	0.00112	1	04/08/2018 15:00	WG1094657	
Carbon disulfide	U		0.000247	0.00112	1	04/08/2018 15:00	WG1094657	
Carbon tetrachloride	U		0.000366	0.00112	1	04/08/2018 15:00	WG1094657	
Chlorobenzene	U		0.000237	0.00112	1	04/08/2018 15:00	WG1094657	
Chlorodibromomethane	U		0.000416	0.00112	1	04/08/2018 15:00	WG1094657	
Chloroethane	0.00120	J	0.00106	0.00558	1	04/08/2018 15:00	WG1094657	
Chloroform	U		0.000256	0.00558	1	04/08/2018 15:00	WG1094657	
Chloromethane	U		0.000419	0.00279	1	04/08/2018 15:00	WG1094657	
2-Chlorotoluene	U		0.000336	0.00112	1	04/08/2018 15:00	WG1094657	
4-Chlorotoluene	U		0.000268	0.00112	1	04/08/2018 15:00	WG1094657	
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/08/2018 15:00	WG1094657	
1,2-Dibromoethane	U		0.000383	0.00112	1	04/08/2018 15:00	WG1094657	
Dibromomethane	U		0.000426	0.00112	1	04/08/2018 15:00	WG1094657	
1,2-Dichlorobenzene	U		0.000340	0.00112	1	04/08/2018 15:00	WG1094657	
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/08/2018 15:00	WG1094657	
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/08/2018 15:00	WG1094657	
Dichlorodifluoromethane	U		0.000796	0.00558	1	04/08/2018 15:00	WG1094657	
1,1-Dichloroethane	U		0.000222	0.00112	1	04/08/2018 15:00	WG1094657	
1,2-Dichloroethane	U		0.000296	0.00112	1	04/08/2018 15:00	WG1094657	
1,1-Dichloroethene	U		0.000338	0.00112	1	04/08/2018 15:00	WG1094657	
cis-1,2-Dichloroethene	0.000701	J	0.000262	0.00112	1	04/08/2018 15:00	WG1094657	
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/08/2018 15:00	WG1094657	
1,2-Dichloropropane	U		0.000400	0.00112	1	04/08/2018 15:00	WG1094657	
1,1-Dichloropropene	U		0.000354	0.00112	1	04/08/2018 15:00	WG1094657	
1,3-Dichloropropane	U		0.000231	0.00112	1	04/08/2018 15:00	WG1094657	
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	04/08/2018 15:00	WG1094657	
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/08/2018 15:00	WG1094657	
trans-1,4-Dichloro-2-butene	U		0.000868	0.00279	1	04/08/2018 15:00	WG1094657	
2,2-Dichloropropane	U		0.000311	0.00112	1	04/08/2018 15:00	WG1094657	
Di-isopropyl ether	U		0.000277	0.00112	1	04/08/2018 15:00	WG1094657	
Ethylbenzene	U		0.000332	0.00112	1	04/08/2018 15:00	WG1094657	
Hexachloro-1,3-butadiene	U	J4	0.000382	0.00112	1	04/08/2018 15:00	WG1094657	JC 4/25/18
2-Hexanone	U		0.00153	0.0112	1	04/08/2018 15:00	WG1094657	
n-Hexane	U		0.000324	0.0112	1	04/08/2018 15:00	WG1094657	
Iodomethane	U		0.00282	0.0112	1	04/08/2018 15:00	WG1094657	
Isopropylbenzene	U		0.000271	0.00112	1	04/08/2018 15:00	WG1094657	
p-Isopropyltoluene	U		0.000228	0.00112	1	04/08/2018 15:00	WG1094657	
2-Butanone (MEK)	U		0.00522	0.0112	1	04/08/2018 15:00	WG1094657	
Methylene Chloride	U		0.00112	0.00558	1	04/08/2018 15:00	WG1094657	
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/08/2018 15:00	WG1094657	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/08/2018 15:00	WG1094657
Naphthalene	U		0.00112	0.00558	1	04/08/2018 15:00	WG1094657
n-Propylbenzene	U		0.000230	0.00112	1	04/08/2018 15:00	WG1094657
Styrene	U		0.000261	0.00112	1	04/08/2018 15:00	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/08/2018 15:00	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	04/08/2018 15:00	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	04/08/2018 15:00	WG1094657
Tetrachloroethene	0.00106	J J	0.000308	0.00112	1	04/08/2018 15:00	WG1094657
Toluene	U		0.000484	0.00558	1	04/08/2018 15:00	WG1094657
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/08/2018 15:00	WG1094657
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/08/2018 15:00	WG1094657
1,1,1-Trichloroethane	U		0.000319	0.00112	1	04/08/2018 15:00	WG1094657
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/08/2018 15:00	WG1094657
Trichloroethene	0.000424	J J	0.000311	0.00112	1	04/08/2018 15:00	WG1094657
Trichlorofluoromethane	U		0.000426	0.00558	1	04/08/2018 15:00	WG1094657
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/08/2018 15:00	WG1094657
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/09/2018 15:07	WG1094657
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/08/2018 15:00	WG1094657
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/08/2018 15:00	WG1094657
Vinyl acetate	U		0.00267	0.0112	1	04/08/2018 15:00	WG1094657
Vinyl chloride	0.00335		0.000325	0.00112	1	04/08/2018 15:00	WG1094657
Xylenes, Total	U		0.000779	0.00335	1	04/08/2018 15:00	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/08/2018 15:00*	WG1094657
(S) Toluene-d8	*99.9*			*80.0-120*		*04/09/2018 15:07*	WG1094657
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*04/08/2018 15:00*	WG1094657
(S) Dibromofluoromethane	*105*			*74.0-131*		*04/09/2018 15:07*	WG1094657
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*04/09/2018 15:07*	WG1094657
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*04/08/2018 15:00*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0122	0.0609	1	04/08/2018 15:21	WG1094657
Acrylonitrile	U		0.00218	0.0122	1	04/08/2018 15:21	WG1094657
Benzene	U		0.000329	0.00122	1	04/08/2018 15:21	WG1094657
Bromobenzene	U		0.000346	0.00122	1	04/08/2018 15:21	WG1094657
Bromodichloromethane	U		0.000309	0.00122	1	04/08/2018 15:21	WG1094657
Bromochloromethane	U		0.000475	0.00609	1	04/08/2018 15:21	WG1094657
Bromoform	U		0.000516	0.00122	1	04/08/2018 15:21	WG1094657
Bromomethane	U		0.00163	0.00609	1	04/08/2018 15:21	WG1094657
n-Butylbenzene	U		0.000314	0.00122	1	04/08/2018 15:21	WG1094657
sec-Butylbenzene	U		0.000245	0.00122	1	04/08/2018 15:21	WG1094657
tert-Butylbenzene	U		0.000251	0.00122	1	04/08/2018 15:21	WG1094657
Carbon disulfide	U		0.000269	0.00122	1	04/08/2018 15:21	WG1094657
Carbon tetrachloride	U		0.000399	0.00122	1	04/08/2018 15:21	WG1094657
Chlorobenzene	U		0.000258	0.00122	1	04/08/2018 15:21	WG1094657
Chlorodibromomethane	U		0.000454	0.00122	1	04/08/2018 15:21	WG1094657
Chloroethane	0.00488	J	0.00115	0.00609	1	04/08/2018 15:21	WG1094657
Chloroform	U		0.000279	0.00609	1	04/08/2018 15:21	WG1094657
Chloromethane	U		0.000456	0.00304	1	04/08/2018 15:21	WG1094657
2-Chlorotoluene	U		0.000366	0.00122	1	04/08/2018 15:21	WG1094657
4-Chlorotoluene	U		0.000292	0.00122	1	04/08/2018 15:21	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00609	1	04/08/2018 15:21	WG1094657
1,2-Dibromoethane	U		0.000417	0.00122	1	04/08/2018 15:21	WG1094657
Dibromomethane	U		0.000465	0.00122	1	04/08/2018 15:21	WG1094657
1,2-Dichlorobenzene	U		0.000371	0.00122	1	04/08/2018 15:21	WG1094657
1,3-Dichlorobenzene	U		0.000291	0.00122	1	04/08/2018 15:21	WG1094657
1,4-Dichlorobenzene	U		0.000275	0.00122	1	04/08/2018 15:21	WG1094657
Dichlorodifluoromethane	U		0.000868	0.00609	1	04/08/2018 15:21	WG1094657
1,1-Dichloroethane	U		0.000242	0.00122	1	04/08/2018 15:21	WG1094657
1,2-Dichloroethane	U		0.000323	0.00122	1	04/08/2018 15:21	WG1094657
1,1-Dichloroethene	0.00159		0.000369	0.00122	1	04/08/2018 15:21	WG1094657
cis-1,2-Dichloroethene	0.172		0.000286	0.00122	1	04/08/2018 15:21	WG1094657
trans-1,2-Dichloroethene	0.00274		0.000321	0.00122	1	04/08/2018 15:21	WG1094657
1,2-Dichloropropane	U		0.000436	0.00122	1	04/08/2018 15:21	WG1094657
1,1-Dichloropropene	U		0.000386	0.00122	1	04/08/2018 15:21	WG1094657
1,3-Dichloropropane	U		0.000252	0.00122	1	04/08/2018 15:21	WG1094657
cis-1,3-Dichloropropene	U		0.000319	0.00122	1	04/08/2018 15:21	WG1094657
trans-1,3-Dichloropropene	U		0.000325	0.00122	1	04/08/2018 15:21	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000947	0.00304	1	04/08/2018 15:21	WG1094657
2,2-Dichloropropane	U		0.000340	0.00122	1	04/08/2018 15:21	WG1094657
Di-isopropyl ether	U		0.000302	0.00122	1	04/08/2018 15:21	WG1094657
Ethylbenzene	U		0.000361	0.00122	1	04/08/2018 15:21	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000416	0.00122	1	04/08/2018 15:21	WG1094657
2-Hexanone	U		0.00167	0.0122	1	04/08/2018 15:21	WG1094657
n-Hexane	U		0.000353	0.0122	1	04/08/2018 15:21	WG1094657
Iodomethane	U		0.00308	0.0122	1	04/08/2018 15:21	WG1094657
Isopropylbenzene	U		0.000296	0.00122	1	04/08/2018 15:21	WG1094657
p-Isopropyltoluene	U		0.000248	0.00122	1	04/08/2018 15:21	WG1094657
2-Butanone (MEK)	U		0.00570	0.0122	1	04/08/2018 15:21	WG1094657
Methylene Chloride	U		0.00122	0.00609	1	04/08/2018 15:21	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	04/08/2018 15:21	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000258	0.00122	1	04/08/2018 15:21	WG1094657
Naphthalene	U		0.00122	0.00609	1	04/08/2018 15:21	WG1094657
n-Propylbenzene	U		0.000251	0.00122	1	04/08/2018 15:21	WG1094657
Styrene	U		0.000285	0.00122	1	04/08/2018 15:21	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000321	0.00122	1	04/08/2018 15:21	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000444	0.00122	1	04/08/2018 15:21	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000444	0.00122	1	04/08/2018 15:21	WG1094657
Tetrachloroethene	0.0273		0.000336	0.00122	1	04/08/2018 15:21	WG1094657
Toluene	U		0.000528	0.00609	1	04/08/2018 15:21	WG1094657
1,2,3-Trichlorobenzene	U		0.000372	0.00122	1	04/08/2018 15:21	WG1094657
1,2,4-Trichlorobenzene	U		0.000472	0.00122	1	04/08/2018 15:21	WG1094657
1,1,1-Trichloroethane	U		0.000348	0.00122	1	04/08/2018 15:21	WG1094657
1,1,2-Trichloroethane	U		0.000337	0.00122	1	04/08/2018 15:21	WG1094657
Trichloroethene	0.0525		0.000340	0.00122	1	04/08/2018 15:21	WG1094657
Trichlorofluoromethane	U		0.000465	0.00609	1	04/08/2018 15:21	WG1094657
1,2,3-Trichloropropane	U		0.000902	0.00304	1	04/08/2018 15:21	WG1094657
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	04/08/2018 15:21	WG1094657
1,2,3-Trimethylbenzene	U		0.000349	0.00122	1	04/08/2018 15:21	WG1094657
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	04/08/2018 15:21	WG1094657
Vinyl acetate	U		0.00291	0.0122	1	04/08/2018 15:21	WG1094657
Vinyl chloride	0.0648		0.000354	0.00122	1	04/08/2018 15:21	WG1094657
Xylenes, Total	U		0.000849	0.00365	1	04/08/2018 15:21	WG1094657
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 15:21*	WG1094657
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*04/08/2018 15:21*	WG1094657
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/08/2018 15:21*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0254 J	J	0.0113	0.0565	1	04/08/2018 15:42	WG1094657	
Acrylonitrile	U		0.00202	0.0113	1	04/08/2018 15:42	WG1094657	
Benzene	U		0.000305	0.00113	1	04/08/2018 15:42	WG1094657	
Bromobenzene	U		0.000321	0.00113	1	04/08/2018 15:42	WG1094657	
Bromodichloromethane	U		0.000287	0.00113	1	04/08/2018 15:42	WG1094657	
Bromochloromethane	U		0.000441	0.00565	1	04/08/2018 15:42	WG1094657	
Bromoform	U		0.000479	0.00113	1	04/08/2018 15:42	WG1094657	
Bromomethane	U		0.00151	0.00565	1	04/08/2018 15:42	WG1094657	
n-Butylbenzene	U		0.000292	0.00113	1	04/08/2018 15:42	WG1094657	
sec-Butylbenzene	U		0.000227	0.00113	1	04/08/2018 15:42	WG1094657	
tert-Butylbenzene	U		0.000233	0.00113	1	04/08/2018 15:42	WG1094657	
Carbon disulfide	0.000732 J	J	0.000250	0.00113	1	04/08/2018 15:42	WG1094657	
Carbon tetrachloride	U		0.000371	0.00113	1	04/08/2018 15:42	WG1094657	
Chlorobenzene	U		0.000240	0.00113	1	04/08/2018 15:42	WG1094657	
Chlorodibromomethane	U		0.000422	0.00113	1	04/08/2018 15:42	WG1094657	
Chloroethane	U		0.00107	0.00565	1	04/08/2018 15:42	WG1094657	
Chloroform	U		0.000259	0.00565	1	04/08/2018 15:42	WG1094657	
Chloromethane	0.000674 J	J	0.000424	0.00283	1	04/08/2018 15:42	WG1094657	
2-Chlorotoluene	U		0.000340	0.00113	1	04/08/2018 15:42	WG1094657	
4-Chlorotoluene	U		0.000271	0.00113	1	04/08/2018 15:42	WG1094657	
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	04/08/2018 15:42	WG1094657	
1,2-Dibromoethane	U		0.000388	0.00113	1	04/08/2018 15:42	WG1094657	
Dibromomethane	U		0.000432	0.00113	1	04/08/2018 15:42	WG1094657	
1,2-Dichlorobenzene	U		0.000345	0.00113	1	04/08/2018 15:42	WG1094657	
1,3-Dichlorobenzene	U		0.000270	0.00113	1	04/08/2018 15:42	WG1094657	
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/08/2018 15:42	WG1094657	
Dichlorodifluoromethane	U		0.000806	0.00565	1	04/08/2018 15:42	WG1094657	
1,1-Dichloroethane	U		0.000225	0.00113	1	04/08/2018 15:42	WG1094657	
1,2-Dichloroethane	U		0.000300	0.00113	1	04/08/2018 15:42	WG1094657	
1,1-Dichloroethene	U		0.000342	0.00113	1	04/08/2018 15:42	WG1094657	
cis-1,2-Dichloroethene	0.0177		0.000266	0.00113	1	04/08/2018 15:42	WG1094657	
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	04/08/2018 15:42	WG1094657	
1,2-Dichloropropane	U		0.000405	0.00113	1	04/08/2018 15:42	WG1094657	
1,1-Dichloropropene	U		0.000358	0.00113	1	04/08/2018 15:42	WG1094657	JC 4/25/18
1,3-Dichloropropane	U		0.000234	0.00113	1	04/08/2018 15:42	WG1094657	
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	04/08/2018 15:42	WG1094657	
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	04/08/2018 15:42	WG1094657	
trans-1,4-Dichloro-2-butene	U		0.000879	0.00283	1	04/08/2018 15:42	WG1094657	
2,2-Dichloropropane	U		0.000315	0.00113	1	04/08/2018 15:42	WG1094657	
Di-isopropyl ether	U		0.000280	0.00113	1	04/08/2018 15:42	WG1094657	
Ethylbenzene	U		0.000336	0.00113	1	04/08/2018 15:42	WG1094657	
Hexachloro-1,3-butadiene	U	J4	0.000387	0.00113	1	04/08/2018 15:42	WG1094657	
2-Hexanone	U		0.00155	0.0113	1	04/08/2018 15:42	WG1094657	
n-Hexane	U		0.000328	0.0113	1	04/08/2018 15:42	WG1094657	
Iodomethane	U		0.00286	0.0113	1	04/08/2018 15:42	WG1094657	
Isopropylbenzene	U		0.000275	0.00113	1	04/08/2018 15:42	WG1094657	
p-Isopropyltoluene	U		0.000231	0.00113	1	04/08/2018 15:42	WG1094657	
2-Butanone (MEK)	0.0137		0.00529	0.0113	1	04/08/2018 15:42	WG1094657	
Methylene Chloride	U		0.00113	0.00565	1	04/08/2018 15:42	WG1094657	
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/08/2018 15:42	WG1094657	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/08/2018 15:42	WG1094657
Naphthalene	U		0.00113	0.00565	1	04/08/2018 15:42	WG1094657
n-Propylbenzene	U		0.000233	0.00113	1	04/08/2018 15:42	WG1094657
Styrene	U		0.000264	0.00113	1	04/08/2018 15:42	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/08/2018 15:42	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	04/08/2018 15:42	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	04/08/2018 15:42	WG1094657
Tetrachloroethene	0.0148		0.000312	0.00113	1	04/08/2018 15:42	WG1094657
Toluene	U		0.000491	0.00565	1	04/08/2018 15:42	WG1094657
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	04/08/2018 15:42	WG1094657
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	04/08/2018 15:42	WG1094657
1,1,1-Trichloroethane	U		0.000323	0.00113	1	04/08/2018 15:42	WG1094657
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/08/2018 15:42	WG1094657
Trichloroethene	0.00615		0.000315	0.00113	1	04/08/2018 15:42	WG1094657
Trichlorofluoromethane	U		0.000432	0.00565	1	04/08/2018 15:42	WG1094657
1,2,3-Trichloropropane	U		0.000838	0.00283	1	04/08/2018 15:42	WG1094657
1,2,4-Trimethylbenzene	0.000427	U	B J	0.000238	0.00113	1	04/08/2018 15:42	WG1094657
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	04/08/2018 15:42	WG1094657
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/08/2018 15:42	WG1094657
Vinyl acetate	U		0.00270	0.0113	1	04/08/2018 15:42	WG1094657
Vinyl chloride	0.00779		0.000329	0.00113	1	04/08/2018 15:42	WG1094657
Xylenes, Total	U		0.000789	0.00339	1	04/08/2018 15:42	WG1094657
(S) Toluene-d8	*106*			*80.0-120*		*04/08/2018 15:42*	WG1094657
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*04/08/2018 15:42*	WG1094657
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/08/2018 15:42*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.7		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0563	1	04/08/2018 16:03	WG1094657
Acrylonitrile	U		0.00202	0.0113	1	04/08/2018 16:03	WG1094657
Benzene	U		0.000304	0.00113	1	04/08/2018 16:03	WG1094657
Bromobenzene	U		0.000320	0.00113	1	04/08/2018 16:03	WG1094657
Bromodichloromethane	U		0.000286	0.00113	1	04/08/2018 16:03	WG1094657
Bromochloromethane	U		0.000439	0.00563	1	04/08/2018 16:03	WG1094657
Bromoform	U		0.000478	0.00113	1	04/08/2018 16:03	WG1094657
Bromomethane	U		0.00151	0.00563	1	04/08/2018 16:03	WG1094657
n-Butylbenzene	U		0.000291	0.00113	1	04/08/2018 16:03	WG1094657
sec-Butylbenzene	U		0.000227	0.00113	1	04/08/2018 16:03	WG1094657
tert-Butylbenzene	U		0.000232	0.00113	1	04/08/2018 16:03	WG1094657
Carbon disulfide	0.00197		0.000249	0.00113	1	04/08/2018 16:03	WG1094657
Carbon tetrachloride	U		0.000370	0.00113	1	04/08/2018 16:03	WG1094657
Chlorobenzene	U		0.000239	0.00113	1	04/08/2018 16:03	WG1094657
Chlorodibromomethane	U		0.000420	0.00113	1	04/08/2018 16:03	WG1094657
Chloroethane	U		0.00107	0.00563	1	04/08/2018 16:03	WG1094657
Chloroform	U		0.000258	0.00563	1	04/08/2018 16:03	WG1094657
Chloromethane	U		0.000423	0.00282	1	04/08/2018 16:03	WG1094657
2-Chlorotoluene	U		0.000339	0.00113	1	04/08/2018 16:03	WG1094657
4-Chlorotoluene	U		0.000270	0.00113	1	04/08/2018 16:03	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	04/08/2018 16:03	WG1094657
1,2-Dibromoethane	U		0.000387	0.00113	1	04/08/2018 16:03	WG1094657
Dibromomethane	U		0.000430	0.00113	1	04/08/2018 16:03	WG1094657
1,2-Dichlorobenzene	U		0.000344	0.00113	1	04/08/2018 16:03	WG1094657
1,3-Dichlorobenzene	U		0.000269	0.00113	1	04/08/2018 16:03	WG1094657
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/08/2018 16:03	WG1094657
Dichlorodifluoromethane	U		0.000803	0.00563	1	04/08/2018 16:03	WG1094657
1,1-Dichloroethane	U		0.000224	0.00113	1	04/08/2018 16:03	WG1094657
1,2-Dichloroethane	U		0.000299	0.00113	1	04/08/2018 16:03	WG1094657
1,1-Dichloroethene	0.0243		0.000341	0.00113	1	04/08/2018 16:03	WG1094657
cis-1,2-Dichloroethene	7.44		0.0530	0.225	200	04/09/2018 17:14	WG1094657
trans-1,2-Dichloroethene	0.0330		0.000297	0.00113	1	04/08/2018 16:03	WG1094657
1,2-Dichloropropane	U		0.000403	0.00113	1	04/08/2018 16:03	WG1094657
1,1-Dichloropropene	U		0.000357	0.00113	1	04/08/2018 16:03	WG1094657
1,3-Dichloropropane	U		0.000233	0.00113	1	04/08/2018 16:03	WG1094657
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	04/08/2018 16:03	WG1094657
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	04/08/2018 16:03	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000877	0.00282	1	04/08/2018 16:03	WG1094657
2,2-Dichloropropane	U		0.000314	0.00113	1	04/08/2018 16:03	WG1094657
Di-isopropyl ether	U		0.000279	0.00113	1	04/08/2018 16:03	WG1094657
Ethylbenzene	U		0.000335	0.00113	1	04/08/2018 16:03	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000385	0.00113	1	04/08/2018 16:03	WG1094657
2-Hexanone	U		0.00154	0.0113	1	04/08/2018 16:03	WG1094657
n-Hexane	0.000927 J	J	0.000327	0.0113	1	04/08/2018 16:03	WG1094657
Iodomethane	U		0.00285	0.0113	1	04/08/2018 16:03	WG1094657
Isopropylbenzene	U		0.000274	0.00113	1	04/08/2018 16:03	WG1094657
p-Isopropyltoluene	U		0.000230	0.00113	1	04/08/2018 16:03	WG1094657
2-Butanone (MEK)	U		0.00527	0.0113	1	04/08/2018 16:03	WG1094657
Methylene Chloride	U		0.00113	0.00563	1	04/08/2018 16:03	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/08/2018 16:03	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/08/2018 16:03	WG1094657
Naphthalene	U		0.00113	0.00563	1	04/08/2018 16:03	WG1094657
n-Propylbenzene	U		0.000232	0.00113	1	04/08/2018 16:03	WG1094657
Styrene	U		0.000264	0.00113	1	04/08/2018 16:03	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	04/08/2018 16:03	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	04/08/2018 16:03	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	04/08/2018 16:03	WG1094657
Tetrachloroethene	28.3		0.0622	0.225	200	04/09/2018 17:14	WG1094657
Toluene	U		0.000489	0.00563	1	04/08/2018 16:03	WG1094657
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	04/08/2018 16:03	WG1094657
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	04/08/2018 16:03	WG1094657
1,1,1-Trichloroethane	U		0.000322	0.00113	1	04/08/2018 16:03	WG1094657
1,1,2-Trichloroethane	U		0.000312	0.00113	1	04/08/2018 16:03	WG1094657
Trichloroethene	4.69		0.0629	0.225	200	04/09/2018 17:14	WG1094657
Trichlorofluoromethane	U		0.000430	0.00563	1	04/08/2018 16:03	WG1094657
1,2,3-Trichloropropane	U		0.000835	0.00282	1	04/08/2018 16:03	WG1094657
1,2,4-Trimethylbenzene	0.000499	U B J	0.000238	0.00113	1	04/08/2018 16:03	WG1094657
1,2,3-Trimethylbenzene	U		0.000323	0.00113	1	04/08/2018 16:03	WG1094657
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/08/2018 16:03	WG1094657
Vinyl acetate	U		0.00269	0.0113	1	04/08/2018 16:03	WG1094657
Vinyl chloride	0.488		0.0656	0.225	200	04/09/2018 17:14	WG1094657
Xylenes, Total	U		0.000787	0.00338	1	04/08/2018 16:03	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/08/2018 16:03*	WG1094657
(S) Toluene-d8	*108*			*80.0-120*		*04/09/2018 17:14*	WG1094657
(S) Dibromofluoromethane	*97.3*			*74.0-131*		*04/08/2018 16:03*	WG1094657
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*04/09/2018 17:14*	WG1094657
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*04/08/2018 16:03*	WG1094657
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/09/2018 17:14*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.9		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0116	0.0582	1	04/08/2018 16:23	WG1094657
Acrylonitrile	U		0.00208	0.0116	1	04/08/2018 16:23	WG1094657
Benzene	U		0.000314	0.00116	1	04/08/2018 16:23	WG1094657
Bromobenzene	U		0.000331	0.00116	1	04/08/2018 16:23	WG1094657
Bromodichloromethane	U		0.000296	0.00116	1	04/08/2018 16:23	WG1094657
Bromochloromethane	U		0.000454	0.00582	1	04/08/2018 16:23	WG1094657
Bromoform	U		0.000494	0.00116	1	04/08/2018 16:23	WG1094657
Bromomethane	U		0.00156	0.00582	1	04/08/2018 16:23	WG1094657
n-Butylbenzene	U		0.000300	0.00116	1	04/08/2018 16:23	WG1094657
sec-Butylbenzene	U		0.000234	0.00116	1	04/08/2018 16:23	WG1094657
tert-Butylbenzene	U		0.000240	0.00116	1	04/08/2018 16:23	WG1094657
Carbon disulfide	0.000986	J J	0.000257	0.00116	1	04/08/2018 16:23	WG1094657
Carbon tetrachloride	U		0.000382	0.00116	1	04/08/2018 16:23	WG1094657
Chlorobenzene	U		0.000247	0.00116	1	04/08/2018 16:23	WG1094657
Chlorodibromomethane	U		0.000434	0.00116	1	04/08/2018 16:23	WG1094657
Chloroethane	U		0.00110	0.00582	1	04/08/2018 16:23	WG1094657
Chloroform	U		0.000267	0.00582	1	04/08/2018 16:23	WG1094657
Chloromethane	U		0.000437	0.00291	1	04/08/2018 16:23	WG1094657
2-Chlorotoluene	U		0.000350	0.00116	1	04/08/2018 16:23	WG1094657
4-Chlorotoluene	U		0.000279	0.00116	1	04/08/2018 16:23	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00582	1	04/08/2018 16:23	WG1094657
1,2-Dibromoethane	U		0.000399	0.00116	1	04/08/2018 16:23	WG1094657
Dibromomethane	U		0.000445	0.00116	1	04/08/2018 16:23	WG1094657
1,2-Dichlorobenzene	U		0.000355	0.00116	1	04/08/2018 16:23	WG1094657
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/08/2018 16:23	WG1094657
1,4-Dichlorobenzene	U		0.000263	0.00116	1	04/08/2018 16:23	WG1094657
Dichlorodifluoromethane	U		0.000830	0.00582	1	04/08/2018 16:23	WG1094657
1,1-Dichloroethane	U		0.000232	0.00116	1	04/08/2018 16:23	WG1094657
1,2-Dichloroethane	U		0.000309	0.00116	1	04/08/2018 16:23	WG1094657
1,1-Dichloroethene	0.0129		0.000353	0.00116	1	04/08/2018 16:23	WG1094657
cis-1,2-Dichloroethene	2.01		0.0137	0.0582	50	04/09/2018 17:35	WG1094657
trans-1,2-Dichloroethene	0.00119		0.000307	0.00116	1	04/08/2018 16:23	WG1094657
1,2-Dichloropropane	U		0.000417	0.00116	1	04/08/2018 16:23	WG1094657
1,1-Dichloropropene	U		0.000369	0.00116	1	04/08/2018 16:23	WG1094657
1,3-Dichloropropane	U		0.000241	0.00116	1	04/08/2018 16:23	WG1094657
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	04/08/2018 16:23	WG1094657
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	04/08/2018 16:23	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000906	0.00291	1	04/08/2018 16:23	WG1094657
2,2-Dichloropropane	U		0.000325	0.00116	1	04/08/2018 16:23	WG1094657
Di-isopropyl ether	U		0.000289	0.00116	1	04/08/2018 16:23	WG1094657
Ethylbenzene	U		0.000346	0.00116	1	04/08/2018 16:23	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000398	0.00116	1	04/08/2018 16:23	WG1094657
2-Hexanone	U		0.00160	0.0116	1	04/08/2018 16:23	WG1094657
n-Hexane	U		0.000338	0.0116	1	04/08/2018 16:23	WG1094657
Iodomethane	U		0.00295	0.0116	1	04/08/2018 16:23	WG1094657
Isopropylbenzene	U		0.000283	0.00116	1	04/08/2018 16:23	WG1094657
p-Isopropyltoluene	U		0.000238	0.00116	1	04/08/2018 16:23	WG1094657
2-Butanone (MEK)	U		0.00545	0.0116	1	04/08/2018 16:23	WG1094657
Methylene Chloride	U		0.00116	0.00582	1	04/08/2018 16:23	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	04/08/2018 16:23	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00116	1	04/08/2018 16:23	WG1094657
Naphthalene	U		0.00116	0.00582	1	04/08/2018 16:23	WG1094657
n-Propylbenzene	U		0.000240	0.00116	1	04/08/2018 16:23	WG1094657
Styrene	U		0.000272	0.00116	1	04/08/2018 16:23	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/08/2018 16:23	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000425	0.00116	1	04/08/2018 16:23	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000425	0.00116	1	04/08/2018 16:23	WG1094657
Tetrachloroethene	7.75		0.0161	0.0582	50	04/09/2018 17:35	WG1094657
Toluene	U		0.000505	0.00582	1	04/08/2018 16:23	WG1094657
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	04/08/2018 16:23	WG1094657
1,2,4-Trichlorobenzene	U		0.000452	0.00116	1	04/08/2018 16:23	WG1094657
1,1,1-Trichloroethane	U		0.000333	0.00116	1	04/08/2018 16:23	WG1094657
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/08/2018 16:23	WG1094657
Trichloroethene	2.11		0.0163	0.0582	50	04/09/2018 17:35	WG1094657
Trichlorofluoromethane	U		0.000445	0.00582	1	04/08/2018 16:23	WG1094657
1,2,3-Trichloropropane	U		0.000863	0.00291	1	04/08/2018 16:23	WG1094657
1,2,4-Trimethylbenzene	U		0.000246	0.00116	1	04/08/2018 16:23	WG1094657
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	04/08/2018 16:23	WG1094657
1,3,5-Trimethylbenzene	U		0.000310	0.00116	1	04/08/2018 16:23	WG1094657
Vinyl acetate	U		0.00278	0.0116	1	04/08/2018 16:23	WG1094657
Vinyl chloride	0.0575		0.000339	0.00116	1	04/08/2018 16:23	WG1094657
Xylenes, Total	U		0.000813	0.00349	1	04/08/2018 16:23	WG1094657
(S) Toluene-d8	*107*			*80.0-120*		*04/09/2018 17:35*	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 16:23*	WG1094657
(S) Dibromofluoromethane	*89.5*			*74.0-131*		*04/09/2018 17:35*	WG1094657
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*04/08/2018 16:23*	WG1094657
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*04/09/2018 17:35*	WG1094657
(S) 4-Bromofluorobenzene	*97.6*			*64.0-132*		*04/08/2018 16:23*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	04/09/2018 14:30	WG1095614

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0115	0.0575	1	04/08/2018 16:44	WG1094657	
Acrylonitrile	U		0.00206	0.0115	1	04/08/2018 16:44	WG1094657	
Benzene	U		0.000310	0.00115	1	04/08/2018 16:44	WG1094657	
Bromobenzene	U		0.000326	0.00115	1	04/08/2018 16:44	WG1094657	
Bromodichloromethane	U		0.000292	0.00115	1	04/08/2018 16:44	WG1094657	
Bromochloromethane	U		0.000448	0.00575	1	04/08/2018 16:44	WG1094657	
Bromoform	U		0.000487	0.00115	1	04/08/2018 16:44	WG1094657	
Bromomethane	U		0.00154	0.00575	1	04/08/2018 16:44	WG1094657	
n-Butylbenzene	U		0.000296	0.00115	1	04/08/2018 16:44	WG1094657	
sec-Butylbenzene	U		0.000231	0.00115	1	04/08/2018 16:44	WG1094657	
tert-Butylbenzene	U		0.000237	0.00115	1	04/08/2018 16:44	WG1094657	
Carbon disulfide	U		0.000254	0.00115	1	04/08/2018 16:44	WG1094657	
Carbon tetrachloride	U		0.000377	0.00115	1	04/08/2018 16:44	WG1094657	
Chlorobenzene	U		0.000244	0.00115	1	04/08/2018 16:44	WG1094657	
Chlorodibromomethane	U		0.000429	0.00115	1	04/08/2018 16:44	WG1094657	
Chloroethane	U		0.00109	0.00575	1	04/08/2018 16:44	WG1094657	
Chloroform	U		0.000263	0.00575	1	04/08/2018 16:44	WG1094657	
Chloromethane	U		0.000431	0.00287	1	04/08/2018 16:44	WG1094657	
2-Chlorotoluene	U		0.000346	0.00115	1	04/08/2018 16:44	WG1094657	
4-Chlorotoluene	U		0.000276	0.00115	1	04/08/2018 16:44	WG1094657	
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	04/08/2018 16:44	WG1094657	
1,2-Dibromoethane	U		0.000394	0.00115	1	04/08/2018 16:44	WG1094657	
Dibromomethane	U		0.000439	0.00115	1	04/08/2018 16:44	WG1094657	
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/08/2018 16:44	WG1094657	
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/08/2018 16:44	WG1094657	
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/08/2018 16:44	WG1094657	
Dichlorodifluoromethane	U		0.000819	0.00575	1	04/08/2018 16:44	WG1094657	
1,1-Dichloroethane	U		0.000229	0.00115	1	04/08/2018 16:44	WG1094657	
1,2-Dichloroethane	U		0.000305	0.00115	1	04/08/2018 16:44	WG1094657	
1,1-Dichloroethene	U		0.000348	0.00115	1	04/08/2018 16:44	WG1094657	
cis-1,2-Dichloroethene	0.0508		0.000270	0.00115	1	04/09/2018 15:29	WG1094657	
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/08/2018 16:44	WG1094657	
1,2-Dichloropropane	U		0.000411	0.00115	1	04/08/2018 16:44	WG1094657	
1,1-Dichloropropene	U		0.000364	0.00115	1	04/08/2018 16:44	WG1094657	
1,3-Dichloropropane	U		0.000238	0.00115	1	04/08/2018 16:44	WG1094657	
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/08/2018 16:44	WG1094657	
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/08/2018 16:44	WG1094657	
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	04/08/2018 16:44	WG1094657	
2,2-Dichloropropane	U		0.000321	0.00115	1	04/08/2018 16:44	WG1094657	
Di-isopropyl ether	U		0.000285	0.00115	1	04/08/2018 16:44	WG1094657	
Ethylbenzene	U		0.000341	0.00115	1	04/08/2018 16:44	WG1094657	
Hexachloro-1,3-butadiene	U	J4	0.000393	0.00115	1	04/08/2018 16:44	WG1094657	
2-Hexanone	U		0.00157	0.0115	1	04/08/2018 16:44	WG1094657	
n-Hexane	U		0.000333	0.0115	1	04/08/2018 16:44	WG1094657	
Iodomethane	U		0.00291	0.0115	1	04/08/2018 16:44	WG1094657	JC 4/25/18
Isopropylbenzene	U		0.000279	0.00115	1	04/08/2018 16:44	WG1094657	
p-Isopropyltoluene	U		0.000234	0.00115	1	04/08/2018 16:44	WG1094657	
2-Butanone (MEK)	U		0.00538	0.0115	1	04/08/2018 16:44	WG1094657	
Methylene Chloride	U		0.00115	0.00575	1	04/08/2018 16:44	WG1094657	
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/08/2018 16:44	WG1094657	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/08/2018 16:44	WG1094657
Naphthalene	U		0.00115	0.00575	1	04/08/2018 16:44	WG1094657
n-Propylbenzene	U		0.000237	0.00115	1	04/08/2018 16:44	WG1094657
Styrene	U		0.000269	0.00115	1	04/08/2018 16:44	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/08/2018 16:44	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/08/2018 16:44	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/08/2018 16:44	WG1094657
Tetrachloroethene	0.0295		0.000317	0.00115	1	04/09/2018 15:29	WG1094657
Toluene	U		0.000499	0.00575	1	04/08/2018 16:44	WG1094657
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/08/2018 16:44	WG1094657
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	04/08/2018 16:44	WG1094657
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/08/2018 16:44	WG1094657
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/08/2018 16:44	WG1094657
Trichloroethene	0.00759		0.000321	0.00115	1	04/09/2018 15:29	WG1094657
Trichlorofluoromethane	U		0.000439	0.00575	1	04/08/2018 16:44	WG1094657
1,2,3-Trichloropropane	U		0.000852	0.00287	1	04/08/2018 16:44	WG1094657
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/08/2018 16:44	WG1094657
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/08/2018 16:44	WG1094657
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/08/2018 16:44	WG1094657
Vinyl acetate	U		0.00275	0.0115	1	04/08/2018 16:44	WG1094657
Vinyl chloride	0.00387		0.000334	0.00115	1	04/08/2018 16:44	WG1094657
Xylenes, Total	U		0.000802	0.00345	1	04/08/2018 16:44	WG1094657
(S) Toluene-d8	*99.0*			*80.0-120*		*04/09/2018 15:29*	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 16:44*	WG1094657
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/09/2018 15:29*	WG1094657
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/08/2018 16:44*	WG1094657
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*04/08/2018 16:44*	WG1094657
(S) 4-Bromofluorobenzene	*98.3*			*64.0-132*		*04/09/2018 15:29*	WG1094657

JC 4/25/18

ANALYTICAL REPORT

April 16, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L983357
Samples Received:	04/05/2018
Project Number:	1413.001.05.601
Description:	

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

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

B-239-5 L983357-01 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 08:30 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 08:30	04/08/18 17:05	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 08:30	04/09/18 15:50	DWR

B-239-10 L983357-02 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 08:38 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 08:38	04/08/18 17:26	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	25	04/03/18 08:38	04/09/18 17:56	DWR

B-239-15 L983357-03 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 08:44 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 08:44	04/08/18 17:47	ACG

B-239-20 L983357-04 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 08:51 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 08:51	04/08/18 18:07	ACG

B-239-25 L983357-05 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 08:57 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 08:57	04/08/18 18:28	ACG

B-239-35 L983357-06 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 09:04 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 09:04	04/08/18 18:49	ACG

B-239-40 L983357-07 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 09:20 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 09:20	04/08/18 19:10	ACG

B-239-45 L983357-08 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 09:33 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 09:33	04/08/18 19:31	ACG

B-239-50 L983357-09 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 09:39 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094657	1	04/03/18 09:39	04/08/18 19:52	ACG

B-239-55 L983357-10 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 09:56 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095649	1	04/09/18 14:58	04/09/18 15:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/03/18 09:56	04/06/18 20:50	BMB

B-239-60 L983357-11 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 10:09 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095650	1	04/10/18 09:37	04/10/18 09:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/03/18 10:09	04/06/18 21:11	BMB

B-239-65 L983357-12 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 10:17 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095650	1	04/10/18 09:37	04/10/18 09:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/03/18 10:17	04/09/18 19:22	DWR

B-239-70 L983357-13 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 10:38 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095650	1	04/10/18 09:37	04/10/18 09:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/03/18 10:38	04/06/18 21:54	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/03/18 10:38	04/09/18 19:43	DWR

B-239-75 L983357-14 Solid

Collected by: Dan Johnson | Collected date/time: 04/03/18 10:49 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095650	1	04/10/18 09:37	04/10/18 09:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/03/18 10:49	04/06/18 22:15	BMB

B-239-80 L983357-15 Solid

Collected by: Dan Johnson
Collected date/time: 04/03/18 11:01
Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095650	1	04/10/18 09:37	04/10/18 09:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/03/18 11:01	04/06/18 22:36	BMB

B-909-50 L983357-16 Solid

Collected by: Dan Johnson
Collected date/time: 04/03/18 00:00
Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095650	1	04/10/18 09:37	04/10/18 09:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/03/18 00:00	04/06/18 22:57	BMB

TRIP BLANK L983357-17 GW

Collected by: Dan Johnson
Collected date/time: 04/03/18 00:00
Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094421	1	04/06/18 00:40	04/06/18 00:40	LRL

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

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0119	0.0595	1	04/08/2018 17:05	WG1094657
Acrylonitrile	U		0.00213	0.0119	1	04/08/2018 17:05	WG1094657
Benzene	U		0.000321	0.00119	1	04/08/2018 17:05	WG1094657
Bromobenzene	U		0.000338	0.00119	1	04/08/2018 17:05	WG1094657
Bromodichloromethane	U		0.000302	0.00119	1	04/08/2018 17:05	WG1094657
Bromochloromethane	U		0.000464	0.00595	1	04/08/2018 17:05	WG1094657
Bromoform	U		0.000504	0.00119	1	04/08/2018 17:05	WG1094657
Bromomethane	U		0.00159	0.00595	1	04/08/2018 17:05	WG1094657
n-Butylbenzene	U		0.000307	0.00119	1	04/08/2018 17:05	WG1094657
sec-Butylbenzene	U		0.000239	0.00119	1	04/08/2018 17:05	WG1094657
tert-Butylbenzene	U		0.000245	0.00119	1	04/08/2018 17:05	WG1094657
Carbon disulfide	U		0.000263	0.00119	1	04/08/2018 17:05	WG1094657
Carbon tetrachloride	U		0.000390	0.00119	1	04/08/2018 17:05	WG1094657
Chlorobenzene	U		0.000252	0.00119	1	04/08/2018 17:05	WG1094657
Chlorodibromomethane	U		0.000444	0.00119	1	04/08/2018 17:05	WG1094657
Chloroethane	U		0.00113	0.00595	1	04/08/2018 17:05	WG1094657
Chloroform	U		0.000272	0.00595	1	04/08/2018 17:05	WG1094657
Chloromethane	U		0.000446	0.00297	1	04/08/2018 17:05	WG1094657
2-Chlorotoluene	U		0.000358	0.00119	1	04/08/2018 17:05	WG1094657
4-Chlorotoluene	U		0.000286	0.00119	1	04/08/2018 17:05	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00595	1	04/08/2018 17:05	WG1094657
1,2-Dibromoethane	U		0.000408	0.00119	1	04/08/2018 17:05	WG1094657
Dibromomethane	U		0.000454	0.00119	1	04/08/2018 17:05	WG1094657
1,2-Dichlorobenzene	U		0.000363	0.00119	1	04/08/2018 17:05	WG1094657
1,3-Dichlorobenzene	U		0.000284	0.00119	1	04/08/2018 17:05	WG1094657
1,4-Dichlorobenzene	U		0.000269	0.00119	1	04/08/2018 17:05	WG1094657
Dichlorodifluoromethane	U		0.000848	0.00595	1	04/08/2018 17:05	WG1094657
1,1-Dichloroethane	U		0.000237	0.00119	1	04/08/2018 17:05	WG1094657
1,2-Dichloroethane	U		0.000315	0.00119	1	04/08/2018 17:05	WG1094657
1,1-Dichloroethene	U		0.000360	0.00119	1	04/08/2018 17:05	WG1094657
cis-1,2-Dichloroethene	0.0107		0.000280	0.00119	1	04/09/2018 15:50	WG1094657
trans-1,2-Dichloroethene	U		0.000314	0.00119	1	04/08/2018 17:05	WG1094657
1,2-Dichloropropane	U		0.000426	0.00119	1	04/08/2018 17:05	WG1094657
1,1-Dichloropropene	U		0.000377	0.00119	1	04/08/2018 17:05	WG1094657
1,3-Dichloropropane	U		0.000246	0.00119	1	04/08/2018 17:05	WG1094657
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	04/08/2018 17:05	WG1094657
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	04/08/2018 17:05	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000926	0.00297	1	04/08/2018 17:05	WG1094657
2,2-Dichloropropane	U		0.000332	0.00119	1	04/08/2018 17:05	WG1094657
Di-isopropyl ether	U		0.000295	0.00119	1	04/08/2018 17:05	WG1094657
Ethylbenzene	U		0.000353	0.00119	1	04/08/2018 17:05	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000407	0.00119	1	04/08/2018 17:05	WG1094657
2-Hexanone	U		0.00163	0.0119	1	04/08/2018 17:05	WG1094657
n-Hexane	U		0.000345	0.0119	1	04/08/2018 17:05	WG1094657
Iodomethane	U		0.00301	0.0119	1	04/08/2018 17:05	WG1094657
Isopropylbenzene	U		0.000289	0.00119	1	04/08/2018 17:05	WG1094657
p-Isopropyltoluene	U		0.000243	0.00119	1	04/08/2018 17:05	WG1094657
2-Butanone (MEK)	U		0.00557	0.0119	1	04/08/2018 17:05	WG1094657
Methylene Chloride	U		0.00119	0.00595	1	04/08/2018 17:05	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	04/08/2018 17:05	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000252	0.00119	1	04/08/2018 17:05	WG1094657
Naphthalene	U		0.00119	0.00595	1	04/08/2018 17:05	WG1094657
n-Propylbenzene	U		0.000245	0.00119	1	04/08/2018 17:05	WG1094657
Styrene	U		0.000278	0.00119	1	04/08/2018 17:05	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000314	0.00119	1	04/08/2018 17:05	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000434	0.00119	1	04/08/2018 17:05	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000434	0.00119	1	04/08/2018 17:05	WG1094657
Tetrachloroethene	0.0292		0.000328	0.00119	1	04/09/2018 15:50	WG1094657
Toluene	U		0.000516	0.00595	1	04/08/2018 17:05	WG1094657
1,2,3-Trichlorobenzene	U		0.000364	0.00119	1	04/08/2018 17:05	WG1094657
1,2,4-Trichlorobenzene	U		0.000462	0.00119	1	04/08/2018 17:05	WG1094657
1,1,1-Trichloroethane	U		0.000340	0.00119	1	04/08/2018 17:05	WG1094657
1,1,2-Trichloroethane	U		0.000330	0.00119	1	04/08/2018 17:05	WG1094657
Trichloroethene	0.00590		0.000332	0.00119	1	04/09/2018 15:50	WG1094657
Trichlorofluoromethane	U		0.000454	0.00595	1	04/08/2018 17:05	WG1094657
1,2,3-Trichloropropane	U		0.000881	0.00297	1	04/08/2018 17:05	WG1094657
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	04/08/2018 17:05	WG1094657
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	04/08/2018 17:05	WG1094657
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	04/08/2018 17:05	WG1094657
Vinyl acetate	U		0.00284	0.0119	1	04/08/2018 17:05	WG1094657
Vinyl chloride	U		0.000346	0.00119	1	04/08/2018 17:05	WG1094657
Xylenes, Total	U		0.000830	0.00357	1	04/08/2018 17:05	WG1094657
(S) Toluene-d8	*103*			*80.0-120*		*04/09/2018 15:50*	WG1094657
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 17:05*	WG1094657
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*04/08/2018 17:05*	WG1094657
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/09/2018 15:50*	WG1094657
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*04/08/2018 17:05*	WG1094657
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*04/09/2018 15:50*	WG1094657

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0118	0.0590	1	04/08/2018 17:26	WG1094657
Acrylonitrile	U		0.00211	0.0118	1	04/08/2018 17:26	WG1094657
Benzene	U		0.000319	0.00118	1	04/08/2018 17:26	WG1094657
Bromobenzene	U		0.000335	0.00118	1	04/08/2018 17:26	WG1094657
Bromodichloromethane	U		0.000300	0.00118	1	04/08/2018 17:26	WG1094657
Bromochloromethane	U		0.000460	0.00590	1	04/08/2018 17:26	WG1094657
Bromoform	U		0.000500	0.00118	1	04/08/2018 17:26	WG1094657
Bromomethane	U		0.00158	0.00590	1	04/08/2018 17:26	WG1094657
n-Butylbenzene	U		0.000304	0.00118	1	04/08/2018 17:26	WG1094657
sec-Butylbenzene	U		0.000237	0.00118	1	04/08/2018 17:26	WG1094657
tert-Butylbenzene	U		0.000243	0.00118	1	04/08/2018 17:26	WG1094657
Carbon disulfide	0.000271	J	0.000261	0.00118	1	04/08/2018 17:26	WG1094657
Carbon tetrachloride	U		0.000387	0.00118	1	04/08/2018 17:26	WG1094657
Chlorobenzene	U		0.000250	0.00118	1	04/08/2018 17:26	WG1094657
Chlorodibromomethane	U		0.000440	0.00118	1	04/08/2018 17:26	WG1094657
Chloroethane	U		0.00112	0.00590	1	04/08/2018 17:26	WG1094657
Chloroform	U		0.000270	0.00590	1	04/08/2018 17:26	WG1094657
Chloromethane	U		0.000442	0.00295	1	04/08/2018 17:26	WG1094657
2-Chlorotoluene	U		0.000355	0.00118	1	04/08/2018 17:26	WG1094657
4-Chlorotoluene	U		0.000283	0.00118	1	04/08/2018 17:26	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00590	1	04/08/2018 17:26	WG1094657
1,2-Dibromoethane	U		0.000405	0.00118	1	04/08/2018 17:26	WG1094657
Dibromomethane	U		0.000451	0.00118	1	04/08/2018 17:26	WG1094657
1,2-Dichlorobenzene	U		0.000360	0.00118	1	04/08/2018 17:26	WG1094657
1,3-Dichlorobenzene	U		0.000282	0.00118	1	04/08/2018 17:26	WG1094657
1,4-Dichlorobenzene	U		0.000267	0.00118	1	04/08/2018 17:26	WG1094657
Dichlorodifluoromethane	U		0.000841	0.00590	1	04/08/2018 17:26	WG1094657
1,1-Dichloroethane	U		0.000235	0.00118	1	04/08/2018 17:26	WG1094657
1,2-Dichloroethane	U		0.000313	0.00118	1	04/08/2018 17:26	WG1094657
1,1-Dichloroethene	0.000934	J	0.000357	0.00118	1	04/08/2018 17:26	WG1094657
cis-1,2-Dichloroethene	0.0366		0.000277	0.00118	1	04/08/2018 17:26	WG1094657
trans-1,2-Dichloroethene	0.000619	J	0.000311	0.00118	1	04/08/2018 17:26	WG1094657
1,2-Dichloropropane	U		0.000422	0.00118	1	04/08/2018 17:26	WG1094657
1,1-Dichloropropene	U		0.000374	0.00118	1	04/08/2018 17:26	WG1094657
1,3-Dichloropropane	U		0.000244	0.00118	1	04/08/2018 17:26	WG1094657
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	04/08/2018 17:26	WG1094657
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	04/08/2018 17:26	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000918	0.00295	1	04/08/2018 17:26	WG1094657
2,2-Dichloropropane	U		0.000329	0.00118	1	04/08/2018 17:26	WG1094657
Di-isopropyl ether	U		0.000293	0.00118	1	04/08/2018 17:26	WG1094657
Ethylbenzene	U		0.000350	0.00118	1	04/08/2018 17:26	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000404	0.00118	1	04/08/2018 17:26	WG1094657
2-Hexanone	U		0.00162	0.0118	1	04/08/2018 17:26	WG1094657
n-Hexane	U		0.000342	0.0118	1	04/08/2018 17:26	WG1094657
Iodomethane	U		0.00298	0.0118	1	04/08/2018 17:26	WG1094657
Isopropylbenzene	U		0.000287	0.00118	1	04/08/2018 17:26	WG1094657
p-Isopropyltoluene	U		0.000241	0.00118	1	04/08/2018 17:26	WG1094657
2-Butanone (MEK)	U		0.00552	0.0118	1	04/08/2018 17:26	WG1094657
Methylene Chloride	U		0.00118	0.00590	1	04/08/2018 17:26	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	04/08/2018 17:26	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1	04/08/2018 17:26	WG1094657
Naphthalene	U		0.00118	0.00590	1	04/08/2018 17:26	WG1094657
n-Propylbenzene	U		0.000243	0.00118	1	04/08/2018 17:26	WG1094657
Styrene	U		0.000276	0.00118	1	04/08/2018 17:26	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	04/08/2018 17:26	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	04/08/2018 17:26	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	04/08/2018 17:26	WG1094657
Tetrachloroethene	0.509		0.00814	0.0295	25	04/09/2018 17:56	WG1094657
Toluene	U		0.000512	0.00590	1	04/08/2018 17:26	WG1094657
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	04/08/2018 17:26	WG1094657
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	04/08/2018 17:26	WG1094657
1,1,1-Trichloroethane	U		0.000337	0.00118	1	04/08/2018 17:26	WG1094657
1,1,2-Trichloroethane	U		0.000327	0.00118	1	04/08/2018 17:26	WG1094657
Trichloroethene	0.104		0.000329	0.00118	1	04/08/2018 17:26	WG1094657
Trichlorofluoromethane	U		0.000451	0.00590	1	04/08/2018 17:26	WG1094657
1,2,3-Trichloropropane	U		0.000874	0.00295	1	04/08/2018 17:26	WG1094657
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	04/08/2018 17:26	WG1094657
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	04/08/2018 17:26	WG1094657
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	04/08/2018 17:26	WG1094657
Vinyl acetate	U		0.00282	0.0118	1	04/08/2018 17:26	WG1094657
Vinyl chloride	0.0159		0.000343	0.00118	1	04/08/2018 17:26	WG1094657
Xylenes, Total	U		0.000824	0.00354	1	04/08/2018 17:26	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 17:26*	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 17:56*	WG1094657
(S) Dibromofluoromethane	*94.3*			*74.0-131*		*04/09/2018 17:56*	WG1094657
(S) Dibromofluoromethane	*98.7*			*74.0-131*		*04/08/2018 17:26*	WG1094657
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*04/08/2018 17:26*	WG1094657
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*04/09/2018 17:56*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0122	J	0.0114	0.0569	1	04/08/2018 17:47	WG1094657
Acrylonitrile	U		0.00204	0.0114	1	04/08/2018 17:47	WG1094657
Benzene	U		0.000307	0.00114	1	04/08/2018 17:47	WG1094657
Bromobenzene	U		0.000323	0.00114	1	04/08/2018 17:47	WG1094657
Bromodichloromethane	U		0.000289	0.00114	1	04/08/2018 17:47	WG1094657
Bromochloromethane	U		0.000444	0.00569	1	04/08/2018 17:47	WG1094657
Bromoform	U		0.000483	0.00114	1	04/08/2018 17:47	WG1094657
Bromomethane	U		0.00153	0.00569	1	04/08/2018 17:47	WG1094657
n-Butylbenzene	U		0.000294	0.00114	1	04/08/2018 17:47	WG1094657
sec-Butylbenzene	U		0.000229	0.00114	1	04/08/2018 17:47	WG1094657
tert-Butylbenzene	U		0.000235	0.00114	1	04/08/2018 17:47	WG1094657
Carbon disulfide	0.000467	J	0.000252	0.00114	1	04/08/2018 17:47	WG1094657
Carbon tetrachloride	U		0.000373	0.00114	1	04/08/2018 17:47	WG1094657
Chlorobenzene	U		0.000241	0.00114	1	04/08/2018 17:47	WG1094657
Chlorodibromomethane	U		0.000425	0.00114	1	04/08/2018 17:47	WG1094657
Chloroethane	U		0.00108	0.00569	1	04/08/2018 17:47	WG1094657
Chloroform	U		0.000261	0.00569	1	04/08/2018 17:47	WG1094657
Chloromethane	U		0.000427	0.00285	1	04/08/2018 17:47	WG1094657
2-Chlorotoluene	U		0.000343	0.00114	1	04/08/2018 17:47	WG1094657
4-Chlorotoluene	U		0.000273	0.00114	1	04/08/2018 17:47	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00569	1	04/08/2018 17:47	WG1094657
1,2-Dibromoethane	U		0.000391	0.00114	1	04/08/2018 17:47	WG1094657
Dibromomethane	U		0.000435	0.00114	1	04/08/2018 17:47	WG1094657
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/08/2018 17:47	WG1094657
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/08/2018 17:47	WG1094657
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/08/2018 17:47	WG1094657
Dichlorodifluoromethane	U		0.000812	0.00569	1	04/08/2018 17:47	WG1094657
1,1-Dichloroethane	U		0.000227	0.00114	1	04/08/2018 17:47	WG1094657
1,2-Dichloroethane	U		0.000302	0.00114	1	04/08/2018 17:47	WG1094657
1,1-Dichloroethene	0.000355	J	0.000345	0.00114	1	04/08/2018 17:47	WG1094657
cis-1,2-Dichloroethene	0.0187		0.000268	0.00114	1	04/08/2018 17:47	WG1094657
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	04/08/2018 17:47	WG1094657
1,2-Dichloropropane	U		0.000408	0.00114	1	04/08/2018 17:47	WG1094657
1,1-Dichloropropene	U		0.000361	0.00114	1	04/08/2018 17:47	WG1094657
1,3-Dichloropropane	U		0.000236	0.00114	1	04/08/2018 17:47	WG1094657
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/08/2018 17:47	WG1094657
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	04/08/2018 17:47	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	04/08/2018 17:47	WG1094657
2,2-Dichloropropane	U		0.000318	0.00114	1	04/08/2018 17:47	WG1094657
Di-isopropyl ether	U		0.000282	0.00114	1	04/08/2018 17:47	WG1094657
Ethylbenzene	U		0.000338	0.00114	1	04/08/2018 17:47	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000389	0.00114	1	04/08/2018 17:47	WG1094657
2-Hexanone	U		0.00156	0.0114	1	04/08/2018 17:47	WG1094657
n-Hexane	U		0.000330	0.0114	1	04/08/2018 17:47	WG1094657
Iodomethane	U		0.00288	0.0114	1	04/08/2018 17:47	WG1094657
Isopropylbenzene	U		0.000277	0.00114	1	04/08/2018 17:47	WG1094657
p-Isopropyltoluene	U		0.000232	0.00114	1	04/08/2018 17:47	WG1094657
2-Butanone (MEK)	U		0.00533	0.0114	1	04/08/2018 17:47	WG1094657
Methylene Chloride	U		0.00114	0.00569	1	04/08/2018 17:47	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/08/2018 17:47	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/08/2018 17:47	WG1094657
Naphthalene	U		0.00114	0.00569	1	04/08/2018 17:47	WG1094657
n-Propylbenzene	U		0.000235	0.00114	1	04/08/2018 17:47	WG1094657
Styrene	U		0.000266	0.00114	1	04/08/2018 17:47	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	04/08/2018 17:47	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	04/08/2018 17:47	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	04/08/2018 17:47	WG1094657
Tetrachloroethene	0.133		0.000314	0.00114	1	04/08/2018 17:47	WG1094657
Toluene	U		0.000494	0.00569	1	04/08/2018 17:47	WG1094657
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/08/2018 17:47	WG1094657
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	04/08/2018 17:47	WG1094657
1,1,1-Trichloroethane	U		0.000326	0.00114	1	04/08/2018 17:47	WG1094657
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/08/2018 17:47	WG1094657
Trichloroethene	0.0428		0.000318	0.00114	1	04/08/2018 17:47	WG1094657
Trichlorofluoromethane	U		0.000435	0.00569	1	04/08/2018 17:47	WG1094657
1,2,3-Trichloropropane	U		0.000844	0.00285	1	04/08/2018 17:47	WG1094657
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/08/2018 17:47	WG1094657
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	04/08/2018 17:47	WG1094657
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	04/08/2018 17:47	WG1094657
Vinyl acetate	U		0.00272	0.0114	1	04/08/2018 17:47	WG1094657
Vinyl chloride	0.00479		0.000331	0.00114	1	04/08/2018 17:47	WG1094657
Xylenes, Total	U		0.000795	0.00342	1	04/08/2018 17:47	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 17:47*	WG1094657
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*04/08/2018 17:47*	WG1094657
(S) 4-Bromofluorobenzene	*98.1*			*64.0-132*		*04/08/2018 17:47*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0564	1	04/08/2018 18:07	WG1094657
Acrylonitrile	U		0.00202	0.0113	1	04/08/2018 18:07	WG1094657
Benzene	U		0.000305	0.00113	1	04/08/2018 18:07	WG1094657
Bromobenzene	U		0.000320	0.00113	1	04/08/2018 18:07	WG1094657
Bromodichloromethane	U		0.000287	0.00113	1	04/08/2018 18:07	WG1094657
Bromochloromethane	U		0.000440	0.00564	1	04/08/2018 18:07	WG1094657
Bromoform	U		0.000478	0.00113	1	04/08/2018 18:07	WG1094657
Bromomethane	U		0.00151	0.00564	1	04/08/2018 18:07	WG1094657
n-Butylbenzene	U		0.000291	0.00113	1	04/08/2018 18:07	WG1094657
sec-Butylbenzene	U		0.000227	0.00113	1	04/08/2018 18:07	WG1094657
tert-Butylbenzene	U		0.000232	0.00113	1	04/08/2018 18:07	WG1094657
Carbon disulfide	U		0.000249	0.00113	1	04/08/2018 18:07	WG1094657
Carbon tetrachloride	U		0.000370	0.00113	1	04/08/2018 18:07	WG1094657
Chlorobenzene	U		0.000239	0.00113	1	04/08/2018 18:07	WG1094657
Chlorodibromomethane	U		0.000421	0.00113	1	04/08/2018 18:07	WG1094657
Chloroethane	U		0.00107	0.00564	1	04/08/2018 18:07	WG1094657
Chloroform	U		0.000258	0.00564	1	04/08/2018 18:07	WG1094657
Chloromethane	U		0.000423	0.00282	1	04/08/2018 18:07	WG1094657
2-Chlorotoluene	U		0.000340	0.00113	1	04/08/2018 18:07	WG1094657
4-Chlorotoluene	U		0.000271	0.00113	1	04/08/2018 18:07	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	04/08/2018 18:07	WG1094657
1,2-Dibromoethane	U		0.000387	0.00113	1	04/08/2018 18:07	WG1094657
Dibromomethane	U		0.000431	0.00113	1	04/08/2018 18:07	WG1094657
1,2-Dichlorobenzene	U		0.000344	0.00113	1	04/08/2018 18:07	WG1094657
1,3-Dichlorobenzene	U		0.000270	0.00113	1	04/08/2018 18:07	WG1094657
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/08/2018 18:07	WG1094657
Dichlorodifluoromethane	U		0.000805	0.00564	1	04/08/2018 18:07	WG1094657
1,1-Dichloroethane	U		0.000225	0.00113	1	04/08/2018 18:07	WG1094657
1,2-Dichloroethane	U		0.000299	0.00113	1	04/08/2018 18:07	WG1094657
1,1-Dichloroethene	U		0.000342	0.00113	1	04/08/2018 18:07	WG1094657
cis-1,2-Dichloroethene	0.000649	J	0.000265	0.00113	1	04/08/2018 18:07	WG1094657
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	04/08/2018 18:07	WG1094657
1,2-Dichloropropane	U		0.000404	0.00113	1	04/08/2018 18:07	WG1094657
1,1-Dichloropropene	U		0.000358	0.00113	1	04/08/2018 18:07	WG1094657
1,3-Dichloropropane	U		0.000234	0.00113	1	04/08/2018 18:07	WG1094657
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	04/08/2018 18:07	WG1094657
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	04/08/2018 18:07	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	04/08/2018 18:07	WG1094657
2,2-Dichloropropane	U		0.000315	0.00113	1	04/08/2018 18:07	WG1094657
Di-isopropyl ether	U		0.000280	0.00113	1	04/08/2018 18:07	WG1094657
Ethylbenzene	U		0.000335	0.00113	1	04/08/2018 18:07	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000386	0.00113	1	04/08/2018 18:07	WG1094657
2-Hexanone	U		0.00155	0.0113	1	04/08/2018 18:07	WG1094657
n-Hexane	U		0.000327	0.0113	1	04/08/2018 18:07	WG1094657
Iodomethane	U		0.00286	0.0113	1	04/08/2018 18:07	WG1094657
Isopropylbenzene	U		0.000274	0.00113	1	04/08/2018 18:07	WG1094657
p-Isopropyltoluene	U		0.000230	0.00113	1	04/08/2018 18:07	WG1094657
2-Butanone (MEK)	U		0.00528	0.0113	1	04/08/2018 18:07	WG1094657
Methylene Chloride	U		0.00113	0.00564	1	04/08/2018 18:07	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/08/2018 18:07	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/08/2018 18:07	WG1094657
Naphthalene	U		0.00113	0.00564	1	04/08/2018 18:07	WG1094657
n-Propylbenzene	U		0.000232	0.00113	1	04/08/2018 18:07	WG1094657
Styrene	U		0.000264	0.00113	1	04/08/2018 18:07	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/08/2018 18:07	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	04/08/2018 18:07	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	04/08/2018 18:07	WG1094657
Tetrachloroethene	0.00688		0.000311	0.00113	1	04/08/2018 18:07	WG1094657
Toluene	U		0.000490	0.00564	1	04/08/2018 18:07	WG1094657
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	04/08/2018 18:07	WG1094657
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	04/08/2018 18:07	WG1094657
1,1,1-Trichloroethane	U		0.000323	0.00113	1	04/08/2018 18:07	WG1094657
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/08/2018 18:07	WG1094657
Trichloroethene	0.000781	J	0.000315	0.00113	1	04/08/2018 18:07	WG1094657
Trichlorofluoromethane	U		0.000431	0.00564	1	04/08/2018 18:07	WG1094657
1,2,3-Trichloropropane	U		0.000836	0.00282	1	04/08/2018 18:07	WG1094657
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/08/2018 18:07	WG1094657
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	04/08/2018 18:07	WG1094657
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/08/2018 18:07	WG1094657
Vinyl acetate	U		0.00270	0.0113	1	04/08/2018 18:07	WG1094657
Vinyl chloride	U		0.000328	0.00113	1	04/08/2018 18:07	WG1094657
Xylenes, Total	U		0.000788	0.00339	1	04/08/2018 18:07	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 18:07*	WG1094657
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/08/2018 18:07*	WG1094657
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/08/2018 18:07*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0573	1	04/08/2018 18:28	WG1094657
Acrylonitrile	U		0.00205	0.0115	1	04/08/2018 18:28	WG1094657
Benzene	U		0.000309	0.00115	1	04/08/2018 18:28	WG1094657
Bromobenzene	U		0.000325	0.00115	1	04/08/2018 18:28	WG1094657
Bromodichloromethane	U		0.000291	0.00115	1	04/08/2018 18:28	WG1094657
Bromochloromethane	U		0.000447	0.00573	1	04/08/2018 18:28	WG1094657
Bromoform	U		0.000486	0.00115	1	04/08/2018 18:28	WG1094657
Bromomethane	U		0.00153	0.00573	1	04/08/2018 18:28	WG1094657
n-Butylbenzene	U		0.000296	0.00115	1	04/08/2018 18:28	WG1094657
sec-Butylbenzene	U		0.000230	0.00115	1	04/08/2018 18:28	WG1094657
tert-Butylbenzene	U		0.000236	0.00115	1	04/08/2018 18:28	WG1094657
Carbon disulfide	U		0.000253	0.00115	1	04/08/2018 18:28	WG1094657
Carbon tetrachloride	U		0.000376	0.00115	1	04/08/2018 18:28	WG1094657
Chlorobenzene	U		0.000243	0.00115	1	04/08/2018 18:28	WG1094657
Chlorodibromomethane	U		0.000427	0.00115	1	04/08/2018 18:28	WG1094657
Chloroethane	U		0.00108	0.00573	1	04/08/2018 18:28	WG1094657
Chloroform	U		0.000262	0.00573	1	04/08/2018 18:28	WG1094657
Chloromethane	U		0.000430	0.00286	1	04/08/2018 18:28	WG1094657
2-Chlorotoluene	U		0.000345	0.00115	1	04/08/2018 18:28	WG1094657
4-Chlorotoluene	U		0.000275	0.00115	1	04/08/2018 18:28	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	04/08/2018 18:28	WG1094657
1,2-Dibromoethane	U		0.000393	0.00115	1	04/08/2018 18:28	WG1094657
Dibromomethane	U		0.000438	0.00115	1	04/08/2018 18:28	WG1094657
1,2-Dichlorobenzene	U		0.000349	0.00115	1	04/08/2018 18:28	WG1094657
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/08/2018 18:28	WG1094657
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/08/2018 18:28	WG1094657
Dichlorodifluoromethane	U		0.000817	0.00573	1	04/08/2018 18:28	WG1094657
1,1-Dichloroethane	U		0.000228	0.00115	1	04/08/2018 18:28	WG1094657
1,2-Dichloroethane	U		0.000304	0.00115	1	04/08/2018 18:28	WG1094657
1,1-Dichloroethene	U		0.000347	0.00115	1	04/08/2018 18:28	WG1094657
cis-1,2-Dichloroethene	0.000411	J	0.000269	0.00115	1	04/08/2018 18:28	WG1094657
trans-1,2-Dichloroethene	U		0.000302	0.00115	1	04/08/2018 18:28	WG1094657
1,2-Dichloropropane	U		0.000410	0.00115	1	04/08/2018 18:28	WG1094657
1,1-Dichloropropene	U		0.000363	0.00115	1	04/08/2018 18:28	WG1094657
1,3-Dichloropropane	U		0.000237	0.00115	1	04/08/2018 18:28	WG1094657
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	04/08/2018 18:28	WG1094657
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/08/2018 18:28	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	04/08/2018 18:28	WG1094657
2,2-Dichloropropane	U		0.000320	0.00115	1	04/08/2018 18:28	WG1094657
Di-isopropyl ether	U		0.000284	0.00115	1	04/08/2018 18:28	WG1094657
Ethylbenzene	U		0.000340	0.00115	1	04/08/2018 18:28	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000392	0.00115	1	04/08/2018 18:28	WG1094657
2-Hexanone	U		0.00157	0.0115	1	04/08/2018 18:28	WG1094657
n-Hexane	U		0.000332	0.0115	1	04/08/2018 18:28	WG1094657
Iodomethane	U		0.00290	0.0115	1	04/08/2018 18:28	WG1094657
Isopropylbenzene	U		0.000278	0.00115	1	04/08/2018 18:28	WG1094657
p-Isopropyltoluene	U		0.000234	0.00115	1	04/08/2018 18:28	WG1094657
2-Butanone (MEK)	U		0.00536	0.0115	1	04/08/2018 18:28	WG1094657
Methylene Chloride	U		0.00115	0.00573	1	04/08/2018 18:28	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	04/08/2018 18:28	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/08/2018 18:28	WG1094657
Naphthalene	U		0.00115	0.00573	1	04/08/2018 18:28	WG1094657
n-Propylbenzene	U		0.000236	0.00115	1	04/08/2018 18:28	WG1094657
Styrene	U		0.000268	0.00115	1	04/08/2018 18:28	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	04/08/2018 18:28	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	04/08/2018 18:28	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	04/08/2018 18:28	WG1094657
Tetrachloroethene	0.00259		0.000316	0.00115	1	04/08/2018 18:28	WG1094657
Toluene	U		0.000497	0.00573	1	04/08/2018 18:28	WG1094657
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/08/2018 18:28	WG1094657
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	04/08/2018 18:28	WG1094657
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/08/2018 18:28	WG1094657
1,1,2-Trichloroethane	U		0.000317	0.00115	1	04/08/2018 18:28	WG1094657
Trichloroethene	0.000327	J	0.000320	0.00115	1	04/08/2018 18:28	WG1094657
Trichlorofluoromethane	U		0.000438	0.00573	1	04/08/2018 18:28	WG1094657
1,2,3-Trichloropropane	U		0.000849	0.00286	1	04/08/2018 18:28	WG1094657
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/08/2018 18:28	WG1094657
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/08/2018 18:28	WG1094657
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/08/2018 18:28	WG1094657
Vinyl acetate	U		0.00274	0.0115	1	04/08/2018 18:28	WG1094657
Vinyl chloride	U		0.000333	0.00115	1	04/08/2018 18:28	WG1094657
Xylenes, Total	U		0.000800	0.00344	1	04/08/2018 18:28	WG1094657
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 18:28*	WG1094657
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*04/08/2018 18:28*	WG1094657
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*04/08/2018 18:28*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0108	0.0541	1	04/08/2018 18:49	WG1094657
Acrylonitrile	U		0.00194	0.0108	1	04/08/2018 18:49	WG1094657
Benzene	U		0.000292	0.00108	1	04/08/2018 18:49	WG1094657
Bromobenzene	U		0.000307	0.00108	1	04/08/2018 18:49	WG1094657
Bromodichloromethane	U		0.000275	0.00108	1	04/08/2018 18:49	WG1094657
Bromochloromethane	U		0.000422	0.00541	1	04/08/2018 18:49	WG1094657
Bromoform	U		0.000459	0.00108	1	04/08/2018 18:49	WG1094657
Bromomethane	U		0.00145	0.00541	1	04/08/2018 18:49	WG1094657
n-Butylbenzene	U		0.000279	0.00108	1	04/08/2018 18:49	WG1094657
sec-Butylbenzene	U		0.000218	0.00108	1	04/08/2018 18:49	WG1094657
tert-Butylbenzene	U		0.000223	0.00108	1	04/08/2018 18:49	WG1094657
Carbon disulfide	0.000540	J	0.000239	0.00108	1	04/08/2018 18:49	WG1094657
Carbon tetrachloride	U		0.000355	0.00108	1	04/08/2018 18:49	WG1094657
Chlorobenzene	U		0.000229	0.00108	1	04/08/2018 18:49	WG1094657
Chlorodibromomethane	U		0.000404	0.00108	1	04/08/2018 18:49	WG1094657
Chloroethane	U		0.00102	0.00541	1	04/08/2018 18:49	WG1094657
Chloroform	0.000249	J	0.000248	0.00541	1	04/08/2018 18:49	WG1094657
Chloromethane	U		0.000406	0.00271	1	04/08/2018 18:49	WG1094657
2-Chlorotoluene	U		0.000326	0.00108	1	04/08/2018 18:49	WG1094657
4-Chlorotoluene	U		0.000260	0.00108	1	04/08/2018 18:49	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	04/08/2018 18:49	WG1094657
1,2-Dibromoethane	U		0.000371	0.00108	1	04/08/2018 18:49	WG1094657
Dibromomethane	U		0.000414	0.00108	1	04/08/2018 18:49	WG1094657
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/08/2018 18:49	WG1094657
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/08/2018 18:49	WG1094657
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/08/2018 18:49	WG1094657
Dichlorodifluoromethane	U		0.000772	0.00541	1	04/08/2018 18:49	WG1094657
1,1-Dichloroethane	U		0.000215	0.00108	1	04/08/2018 18:49	WG1094657
1,2-Dichloroethane	U		0.000287	0.00108	1	04/08/2018 18:49	WG1094657
1,1-Dichloroethene	U		0.000328	0.00108	1	04/08/2018 18:49	WG1094657
cis-1,2-Dichloroethene	0.00395		0.000254	0.00108	1	04/08/2018 18:49	WG1094657
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/08/2018 18:49	WG1094657
1,2-Dichloropropane	U		0.000388	0.00108	1	04/08/2018 18:49	WG1094657
1,1-Dichloropropene	U		0.000343	0.00108	1	04/08/2018 18:49	WG1094657
1,3-Dichloropropane	U		0.000224	0.00108	1	04/08/2018 18:49	WG1094657
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/08/2018 18:49	WG1094657
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/08/2018 18:49	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000842	0.00271	1	04/08/2018 18:49	WG1094657
2,2-Dichloropropane	U		0.000302	0.00108	1	04/08/2018 18:49	WG1094657
Di-isopropyl ether	U		0.000268	0.00108	1	04/08/2018 18:49	WG1094657
Ethylbenzene	U		0.000322	0.00108	1	04/08/2018 18:49	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000370	0.00108	1	04/08/2018 18:49	WG1094657
2-Hexanone	U		0.00148	0.0108	1	04/08/2018 18:49	WG1094657
n-Hexane	U		0.000314	0.0108	1	04/08/2018 18:49	WG1094657
Iodomethane	U		0.00274	0.0108	1	04/08/2018 18:49	WG1094657
Isopropylbenzene	U		0.000263	0.00108	1	04/08/2018 18:49	WG1094657
p-Isopropyltoluene	U		0.000221	0.00108	1	04/08/2018 18:49	WG1094657
2-Butanone (MEK)	U		0.00507	0.0108	1	04/08/2018 18:49	WG1094657
Methylene Chloride	U		0.00108	0.00541	1	04/08/2018 18:49	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/08/2018 18:49	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/08/2018 18:49	WG1094657
Naphthalene	U		0.00108	0.00541	1	04/08/2018 18:49	WG1094657
n-Propylbenzene	U		0.000223	0.00108	1	04/08/2018 18:49	WG1094657
Styrene	U		0.000253	0.00108	1	04/08/2018 18:49	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/08/2018 18:49	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/08/2018 18:49	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/08/2018 18:49	WG1094657
Tetrachloroethene	0.0330		0.000299	0.00108	1	04/08/2018 18:49	WG1094657
Toluene	U		0.000470	0.00541	1	04/08/2018 18:49	WG1094657
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/08/2018 18:49	WG1094657
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/08/2018 18:49	WG1094657
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/08/2018 18:49	WG1094657
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/08/2018 18:49	WG1094657
Trichloroethene	0.00550		0.000302	0.00108	1	04/08/2018 18:49	WG1094657
Trichlorofluoromethane	U		0.000414	0.00541	1	04/08/2018 18:49	WG1094657
1,2,3-Trichloropropane	U		0.000802	0.00271	1	04/08/2018 18:49	WG1094657
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/08/2018 18:49	WG1094657
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/08/2018 18:49	WG1094657
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/08/2018 18:49	WG1094657
Vinyl acetate	U		0.00259	0.0108	1	04/08/2018 18:49	WG1094657
Vinyl chloride	0.000632	J	0.000315	0.00108	1	04/08/2018 18:49	WG1094657
Xylenes, Total	U		0.000756	0.00325	1	04/08/2018 18:49	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/08/2018 18:49*	WG1094657
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/08/2018 18:49*	WG1094657
(S) 4-Bromofluorobenzene	*97.8*			*64.0-132*		*04/08/2018 18:49*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0567	1	04/08/2018 19:10	WG1094657
Acrylonitrile	U		0.00203	0.0113	1	04/08/2018 19:10	WG1094657
Benzene	U		0.000306	0.00113	1	04/08/2018 19:10	WG1094657
Bromobenzene	U		0.000322	0.00113	1	04/08/2018 19:10	WG1094657
Bromodichloromethane	U		0.000288	0.00113	1	04/08/2018 19:10	WG1094657
Bromochloromethane	U		0.000442	0.00567	1	04/08/2018 19:10	WG1094657
Bromoform	U		0.000481	0.00113	1	04/08/2018 19:10	WG1094657
Bromomethane	U		0.00152	0.00567	1	04/08/2018 19:10	WG1094657
n-Butylbenzene	U		0.000293	0.00113	1	04/08/2018 19:10	WG1094657
sec-Butylbenzene	U		0.000228	0.00113	1	04/08/2018 19:10	WG1094657
tert-Butylbenzene	U		0.000234	0.00113	1	04/08/2018 19:10	WG1094657
Carbon disulfide	0.000553	J	0.000251	0.00113	1	04/08/2018 19:10	WG1094657
Carbon tetrachloride	U		0.000372	0.00113	1	04/08/2018 19:10	WG1094657
Chlorobenzene	U		0.000241	0.00113	1	04/08/2018 19:10	WG1094657
Chlorodibromomethane	U		0.000423	0.00113	1	04/08/2018 19:10	WG1094657
Chloroethane	U		0.00107	0.00567	1	04/08/2018 19:10	WG1094657
Chloroform	0.000349	J	0.000260	0.00567	1	04/08/2018 19:10	WG1094657
Chloromethane	U		0.000425	0.00284	1	04/08/2018 19:10	WG1094657
2-Chlorotoluene	U		0.000341	0.00113	1	04/08/2018 19:10	WG1094657
4-Chlorotoluene	U		0.000272	0.00113	1	04/08/2018 19:10	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/08/2018 19:10	WG1094657
1,2-Dibromoethane	U		0.000389	0.00113	1	04/08/2018 19:10	WG1094657
Dibromomethane	U		0.000433	0.00113	1	04/08/2018 19:10	WG1094657
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/08/2018 19:10	WG1094657
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/08/2018 19:10	WG1094657
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/08/2018 19:10	WG1094657
Dichlorodifluoromethane	U		0.000809	0.00567	1	04/08/2018 19:10	WG1094657
1,1-Dichloroethane	U		0.000226	0.00113	1	04/08/2018 19:10	WG1094657
1,2-Dichloroethane	U		0.000301	0.00113	1	04/08/2018 19:10	WG1094657
1,1-Dichloroethene	U		0.000344	0.00113	1	04/08/2018 19:10	WG1094657
cis-1,2-Dichloroethene	0.00454		0.000267	0.00113	1	04/08/2018 19:10	WG1094657
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/08/2018 19:10	WG1094657
1,2-Dichloropropane	U		0.000406	0.00113	1	04/08/2018 19:10	WG1094657
1,1-Dichloropropene	U		0.000360	0.00113	1	04/08/2018 19:10	WG1094657
1,3-Dichloropropane	U		0.000235	0.00113	1	04/08/2018 19:10	WG1094657
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/08/2018 19:10	WG1094657
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/08/2018 19:10	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	04/08/2018 19:10	WG1094657
2,2-Dichloropropane	U		0.000317	0.00113	1	04/08/2018 19:10	WG1094657
Di-isopropyl ether	U		0.000281	0.00113	1	04/08/2018 19:10	WG1094657
Ethylbenzene	U		0.000337	0.00113	1	04/08/2018 19:10	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000388	0.00113	1	04/08/2018 19:10	WG1094657
2-Hexanone	U		0.00155	0.0113	1	04/08/2018 19:10	WG1094657
n-Hexane	U		0.000329	0.0113	1	04/08/2018 19:10	WG1094657
Iodomethane	U		0.00287	0.0113	1	04/08/2018 19:10	WG1094657
Isopropylbenzene	U		0.000276	0.00113	1	04/08/2018 19:10	WG1094657
p-Isopropyltoluene	U		0.000231	0.00113	1	04/08/2018 19:10	WG1094657
2-Butanone (MEK)	U		0.00531	0.0113	1	04/08/2018 19:10	WG1094657
Methylene Chloride	U		0.00113	0.00567	1	04/08/2018 19:10	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/08/2018 19:10	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00113	1	04/08/2018 19:10	WG1094657
Naphthalene	U		0.00113	0.00567	1	04/08/2018 19:10	WG1094657
n-Propylbenzene	U		0.000234	0.00113	1	04/08/2018 19:10	WG1094657
Styrene	U		0.000265	0.00113	1	04/08/2018 19:10	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/08/2018 19:10	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/08/2018 19:10	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/08/2018 19:10	WG1094657
Tetrachloroethene	0.0414		0.000313	0.00113	1	04/08/2018 19:10	WG1094657
Toluene	U		0.000492	0.00567	1	04/08/2018 19:10	WG1094657
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/08/2018 19:10	WG1094657
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/08/2018 19:10	WG1094657
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/08/2018 19:10	WG1094657
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/08/2018 19:10	WG1094657
Trichloroethene	0.00626		0.000317	0.00113	1	04/08/2018 19:10	WG1094657
Trichlorofluoromethane	U		0.000433	0.00567	1	04/08/2018 19:10	WG1094657
1,2,3-Trichloropropane	U		0.000841	0.00284	1	04/08/2018 19:10	WG1094657
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/08/2018 19:10	WG1094657
1,2,3-Trimethylbenzene	U		0.000326	0.00113	1	04/08/2018 19:10	WG1094657
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	04/08/2018 19:10	WG1094657
Vinyl acetate	U		0.00271	0.0113	1	04/08/2018 19:10	WG1094657
Vinyl chloride	0.000769	J	0.000330	0.00113	1	04/08/2018 19:10	WG1094657
Xylenes, Total	U		0.000792	0.00340	1	04/08/2018 19:10	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 19:10*	WG1094657
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*04/08/2018 19:10*	WG1094657
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*04/08/2018 19:10*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0156	J	0.0112	0.0560	1	04/08/2018 19:31	WG1094657
Acrylonitrile	U		0.00201	0.0112	1	04/08/2018 19:31	WG1094657
Benzene	U		0.000302	0.00112	1	04/08/2018 19:31	WG1094657
Bromobenzene	U		0.000318	0.00112	1	04/08/2018 19:31	WG1094657
Bromodichloromethane	U		0.000285	0.00112	1	04/08/2018 19:31	WG1094657
Bromochloromethane	U		0.000437	0.00560	1	04/08/2018 19:31	WG1094657
Bromoform	U		0.000475	0.00112	1	04/08/2018 19:31	WG1094657
Bromomethane	U		0.00150	0.00560	1	04/08/2018 19:31	WG1094657
n-Butylbenzene	U		0.000289	0.00112	1	04/08/2018 19:31	WG1094657
sec-Butylbenzene	U		0.000225	0.00112	1	04/08/2018 19:31	WG1094657
tert-Butylbenzene	U		0.000231	0.00112	1	04/08/2018 19:31	WG1094657
Carbon disulfide	U		0.000248	0.00112	1	04/08/2018 19:31	WG1094657
Carbon tetrachloride	U		0.000367	0.00112	1	04/08/2018 19:31	WG1094657
Chlorobenzene	U		0.000237	0.00112	1	04/08/2018 19:31	WG1094657
Chlorodibromomethane	U		0.000418	0.00112	1	04/08/2018 19:31	WG1094657
Chloroethane	U		0.00106	0.00560	1	04/08/2018 19:31	WG1094657
Chloroform	U		0.000257	0.00560	1	04/08/2018 19:31	WG1094657
Chloromethane	U		0.000420	0.00280	1	04/08/2018 19:31	WG1094657
2-Chlorotoluene	U		0.000337	0.00112	1	04/08/2018 19:31	WG1094657
4-Chlorotoluene	U		0.000269	0.00112	1	04/08/2018 19:31	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	04/08/2018 19:31	WG1094657
1,2-Dibromoethane	U		0.000384	0.00112	1	04/08/2018 19:31	WG1094657
Dibromomethane	U		0.000428	0.00112	1	04/08/2018 19:31	WG1094657
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/08/2018 19:31	WG1094657
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/08/2018 19:31	WG1094657
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/08/2018 19:31	WG1094657
Dichlorodifluoromethane	U		0.000799	0.00560	1	04/08/2018 19:31	WG1094657
1,1-Dichloroethane	U		0.000223	0.00112	1	04/08/2018 19:31	WG1094657
1,2-Dichloroethane	U		0.000297	0.00112	1	04/08/2018 19:31	WG1094657
1,1-Dichloroethene	U		0.000339	0.00112	1	04/08/2018 19:31	WG1094657
cis-1,2-Dichloroethene	0.000317	J	0.000263	0.00112	1	04/08/2018 19:31	WG1094657
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/08/2018 19:31	WG1094657
1,2-Dichloropropane	U		0.000401	0.00112	1	04/08/2018 19:31	WG1094657
1,1-Dichloropropene	U		0.000355	0.00112	1	04/08/2018 19:31	WG1094657
1,3-Dichloropropane	U		0.000232	0.00112	1	04/08/2018 19:31	WG1094657
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/08/2018 19:31	WG1094657
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/08/2018 19:31	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	04/08/2018 19:31	WG1094657
2,2-Dichloropropane	U		0.000313	0.00112	1	04/08/2018 19:31	WG1094657
Di-isopropyl ether	U		0.000278	0.00112	1	04/08/2018 19:31	WG1094657
Ethylbenzene	U		0.000333	0.00112	1	04/08/2018 19:31	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000383	0.00112	1	04/08/2018 19:31	WG1094657
2-Hexanone	U		0.00153	0.0112	1	04/08/2018 19:31	WG1094657
n-Hexane	0.000524	J	0.000325	0.0112	1	04/08/2018 19:31	WG1094657
Iodomethane	U		0.00283	0.0112	1	04/08/2018 19:31	WG1094657
Isopropylbenzene	U		0.000272	0.00112	1	04/08/2018 19:31	WG1094657
p-Isopropyltoluene	U		0.000229	0.00112	1	04/08/2018 19:31	WG1094657
2-Butanone (MEK)	U		0.00524	0.0112	1	04/08/2018 19:31	WG1094657
Methylene Chloride	U		0.00112	0.00560	1	04/08/2018 19:31	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/08/2018 19:31	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/08/2018 19:31	WG1094657
Naphthalene	U		0.00112	0.00560	1	04/08/2018 19:31	WG1094657
n-Propylbenzene	U		0.000231	0.00112	1	04/08/2018 19:31	WG1094657
Styrene	U		0.000262	0.00112	1	04/08/2018 19:31	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/08/2018 19:31	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/08/2018 19:31	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/08/2018 19:31	WG1094657
Tetrachloroethene	0.000534	J	0.000309	0.00112	1	04/08/2018 19:31	WG1094657
Toluene	U		0.000486	0.00560	1	04/08/2018 19:31	WG1094657
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/08/2018 19:31	WG1094657
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/08/2018 19:31	WG1094657
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/08/2018 19:31	WG1094657
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/08/2018 19:31	WG1094657
Trichloroethene	U		0.000313	0.00112	1	04/08/2018 19:31	WG1094657
Trichlorofluoromethane	U		0.000428	0.00560	1	04/08/2018 19:31	WG1094657
1,2,3-Trichloropropane	U		0.000830	0.00280	1	04/08/2018 19:31	WG1094657
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/08/2018 19:31	WG1094657
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/08/2018 19:31	WG1094657
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/08/2018 19:31	WG1094657
Vinyl acetate	U		0.00268	0.0112	1	04/08/2018 19:31	WG1094657
Vinyl chloride	0.000390	J	0.000326	0.00112	1	04/08/2018 19:31	WG1094657
Xylenes, Total	U		0.000782	0.00336	1	04/08/2018 19:31	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 19:31*	WG1094657
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*04/08/2018 19:31*	WG1094657
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*04/08/2018 19:31*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0552	1	04/08/2018 19:52	WG1094657
Acrylonitrile	U		0.00198	0.0110	1	04/08/2018 19:52	WG1094657
Benzene	U		0.000298	0.00110	1	04/08/2018 19:52	WG1094657
Bromobenzene	U		0.000314	0.00110	1	04/08/2018 19:52	WG1094657
Bromodichloromethane	U		0.000281	0.00110	1	04/08/2018 19:52	WG1094657
Bromochloromethane	U		0.000431	0.00552	1	04/08/2018 19:52	WG1094657
Bromoform	U		0.000468	0.00110	1	04/08/2018 19:52	WG1094657
Bromomethane	U		0.00148	0.00552	1	04/08/2018 19:52	WG1094657
n-Butylbenzene	U		0.000285	0.00110	1	04/08/2018 19:52	WG1094657
sec-Butylbenzene	U		0.000222	0.00110	1	04/08/2018 19:52	WG1094657
tert-Butylbenzene	U		0.000228	0.00110	1	04/08/2018 19:52	WG1094657
Carbon disulfide	U		0.000244	0.00110	1	04/08/2018 19:52	WG1094657
Carbon tetrachloride	U		0.000362	0.00110	1	04/08/2018 19:52	WG1094657
Chlorobenzene	U		0.000234	0.00110	1	04/08/2018 19:52	WG1094657
Chlorodibromomethane	U		0.000412	0.00110	1	04/08/2018 19:52	WG1094657
Chloroethane	U		0.00104	0.00552	1	04/08/2018 19:52	WG1094657
Chloroform	U		0.000253	0.00552	1	04/08/2018 19:52	WG1094657
Chloromethane	U		0.000414	0.00276	1	04/08/2018 19:52	WG1094657
2-Chlorotoluene	U		0.000332	0.00110	1	04/08/2018 19:52	WG1094657
4-Chlorotoluene	U		0.000265	0.00110	1	04/08/2018 19:52	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/08/2018 19:52	WG1094657
1,2-Dibromoethane	U		0.000379	0.00110	1	04/08/2018 19:52	WG1094657
Dibromomethane	U		0.000422	0.00110	1	04/08/2018 19:52	WG1094657
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/08/2018 19:52	WG1094657
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/08/2018 19:52	WG1094657
1,4-Dichlorobenzene	U		0.000250	0.00110	1	04/08/2018 19:52	WG1094657
Dichlorodifluoromethane	U		0.000787	0.00552	1	04/08/2018 19:52	WG1094657
1,1-Dichloroethane	U		0.000220	0.00110	1	04/08/2018 19:52	WG1094657
1,2-Dichloroethane	U		0.000293	0.00110	1	04/08/2018 19:52	WG1094657
1,1-Dichloroethene	U		0.000335	0.00110	1	04/08/2018 19:52	WG1094657
cis-1,2-Dichloroethene	0.000272	J	0.000260	0.00110	1	04/08/2018 19:52	WG1094657
trans-1,2-Dichloroethene	U		0.000292	0.00110	1	04/08/2018 19:52	WG1094657
1,2-Dichloropropane	U		0.000395	0.00110	1	04/08/2018 19:52	WG1094657
1,1-Dichloropropene	U		0.000350	0.00110	1	04/08/2018 19:52	WG1094657
1,3-Dichloropropane	U		0.000229	0.00110	1	04/08/2018 19:52	WG1094657
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/08/2018 19:52	WG1094657
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/08/2018 19:52	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	04/08/2018 19:52	WG1094657
2,2-Dichloropropane	U		0.000308	0.00110	1	04/08/2018 19:52	WG1094657
Di-isopropyl ether	U		0.000274	0.00110	1	04/08/2018 19:52	WG1094657
Ethylbenzene	U		0.000328	0.00110	1	04/08/2018 19:52	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000378	0.00110	1	04/08/2018 19:52	WG1094657
2-Hexanone	U		0.00151	0.0110	1	04/08/2018 19:52	WG1094657
n-Hexane	U		0.000320	0.0110	1	04/08/2018 19:52	WG1094657
Iodomethane	U		0.00279	0.0110	1	04/08/2018 19:52	WG1094657
Isopropylbenzene	U		0.000268	0.00110	1	04/08/2018 19:52	WG1094657
p-Isopropyltoluene	U		0.000225	0.00110	1	04/08/2018 19:52	WG1094657
2-Butanone (MEK)	U		0.00517	0.0110	1	04/08/2018 19:52	WG1094657
Methylene Chloride	U		0.00110	0.00552	1	04/08/2018 19:52	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	04/08/2018 19:52	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/08/2018 19:52	WG1094657
Naphthalene	U		0.00110	0.00552	1	04/08/2018 19:52	WG1094657
n-Propylbenzene	U		0.000228	0.00110	1	04/08/2018 19:52	WG1094657
Styrene	U		0.000258	0.00110	1	04/08/2018 19:52	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000292	0.00110	1	04/08/2018 19:52	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/08/2018 19:52	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/08/2018 19:52	WG1094657
Tetrachloroethene	0.000777	J	0.000305	0.00110	1	04/08/2018 19:52	WG1094657
Toluene	U		0.000479	0.00552	1	04/08/2018 19:52	WG1094657
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/08/2018 19:52	WG1094657
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/08/2018 19:52	WG1094657
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/08/2018 19:52	WG1094657
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/08/2018 19:52	WG1094657
Trichloroethene	U		0.000308	0.00110	1	04/08/2018 19:52	WG1094657
Trichlorofluoromethane	U		0.000422	0.00552	1	04/08/2018 19:52	WG1094657
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/08/2018 19:52	WG1094657
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/08/2018 19:52	WG1094657
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/08/2018 19:52	WG1094657
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	04/08/2018 19:52	WG1094657
Vinyl acetate	U		0.00264	0.0110	1	04/08/2018 19:52	WG1094657
Vinyl chloride	U		0.000321	0.00110	1	04/08/2018 19:52	WG1094657
Xylenes, Total	U		0.000771	0.00331	1	04/08/2018 19:52	WG1094657
(S) Toluene-d8	*100*			*80.0-120*		*04/08/2018 19:52*	WG1094657
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/08/2018 19:52*	WG1094657
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*04/08/2018 19:52*	WG1094657

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0114	0.0569	1	04/06/2018 20:50	WG1094842
Acrylonitrile	U		0.00204	0.0114	1	04/06/2018 20:50	WG1094842
Benzene	U		0.000307	0.00114	1	04/06/2018 20:50	WG1094842
Bromobenzene	U		0.000323	0.00114	1	04/06/2018 20:50	WG1094842
Bromodichloromethane	U		0.000289	0.00114	1	04/06/2018 20:50	WG1094842
Bromochloromethane	U		0.000444	0.00569	1	04/06/2018 20:50	WG1094842
Bromoform	U		0.000482	0.00114	1	04/06/2018 20:50	WG1094842
Bromomethane	U		0.00152	0.00569	1	04/06/2018 20:50	WG1094842
n-Butylbenzene	U		0.000294	0.00114	1	04/06/2018 20:50	WG1094842
sec-Butylbenzene	U		0.000229	0.00114	1	04/06/2018 20:50	WG1094842
tert-Butylbenzene	U		0.000234	0.00114	1	04/06/2018 20:50	WG1094842
Carbon disulfide	U		0.000251	0.00114	1	04/06/2018 20:50	WG1094842
Carbon tetrachloride	U		0.000373	0.00114	1	04/06/2018 20:50	WG1094842
Chlorobenzene	U		0.000241	0.00114	1	04/06/2018 20:50	WG1094842
Chlorodibromomethane	U		0.000424	0.00114	1	04/06/2018 20:50	WG1094842
Chloroethane	U		0.00108	0.00569	1	04/06/2018 20:50	WG1094842
Chloroform	U		0.000261	0.00569	1	04/06/2018 20:50	WG1094842
Chloromethane	U		0.000427	0.00284	1	04/06/2018 20:50	WG1094842
2-Chlorotoluene	U		0.000342	0.00114	1	04/06/2018 20:50	WG1094842
4-Chlorotoluene	U		0.000273	0.00114	1	04/06/2018 20:50	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00569	1	04/06/2018 20:50	WG1094842
1,2-Dibromoethane	U		0.000390	0.00114	1	04/06/2018 20:50	WG1094842
Dibromomethane	U		0.000435	0.00114	1	04/06/2018 20:50	WG1094842
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/06/2018 20:50	WG1094842
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/06/2018 20:50	WG1094842
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/06/2018 20:50	WG1094842
Dichlorodifluoromethane	U		0.000811	0.00569	1	04/06/2018 20:50	WG1094842
1,1-Dichloroethane	U		0.000226	0.00114	1	04/06/2018 20:50	WG1094842
1,2-Dichloroethane	U		0.000302	0.00114	1	04/06/2018 20:50	WG1094842
1,1-Dichloroethene	U		0.000345	0.00114	1	04/06/2018 20:50	WG1094842
cis-1,2-Dichloroethene	U		0.000267	0.00114	1	04/06/2018 20:50	WG1094842
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	04/06/2018 20:50	WG1094842
1,2-Dichloropropane	U		0.000407	0.00114	1	04/06/2018 20:50	WG1094842
1,1-Dichloropropene	U		0.000361	0.00114	1	04/06/2018 20:50	WG1094842
1,3-Dichloropropane	U		0.000236	0.00114	1	04/06/2018 20:50	WG1094842
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/06/2018 20:50	WG1094842
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	04/06/2018 20:50	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000885	0.00284	1	04/06/2018 20:50	WG1094842
2,2-Dichloropropane	U		0.000317	0.00114	1	04/06/2018 20:50	WG1094842
Di-isopropyl ether	U		0.000282	0.00114	1	04/06/2018 20:50	WG1094842
Ethylbenzene	U		0.000338	0.00114	1	04/06/2018 20:50	WG1094842
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	04/06/2018 20:50	WG1094842
2-Hexanone	U	J3	0.00156	0.0114	1	04/06/2018 20:50	WG1094842
n-Hexane	U		0.000330	0.0114	1	04/06/2018 20:50	WG1094842
Iodomethane	U		0.00288	0.0114	1	04/06/2018 20:50	WG1094842
Isopropylbenzene	U		0.000276	0.00114	1	04/06/2018 20:50	WG1094842
p-Isopropyltoluene	U		0.000232	0.00114	1	04/06/2018 20:50	WG1094842
2-Butanone (MEK)	U	J3	0.00533	0.0114	1	04/06/2018 20:50	WG1094842
Methylene Chloride	U		0.00114	0.00569	1	04/06/2018 20:50	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00214	0.0114	1	04/06/2018 20:50	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/06/2018 20:50	WG1094842
Naphthalene	U		0.00114	0.00569	1	04/06/2018 20:50	WG1094842
n-Propylbenzene	U		0.000234	0.00114	1	04/06/2018 20:50	WG1094842
Styrene	U		0.000266	0.00114	1	04/06/2018 20:50	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/06/2018 20:50	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	04/06/2018 20:50	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	04/06/2018 20:50	WG1094842
Tetrachloroethene	U		0.000314	0.00114	1	04/06/2018 20:50	WG1094842
Toluene	U		0.000494	0.00569	1	04/06/2018 20:50	WG1094842
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/06/2018 20:50	WG1094842
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	04/06/2018 20:50	WG1094842
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/06/2018 20:50	WG1094842
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/06/2018 20:50	WG1094842
Trichloroethene	U		0.000317	0.00114	1	04/06/2018 20:50	WG1094842
Trichlorofluoromethane	U		0.000435	0.00569	1	04/06/2018 20:50	WG1094842
1,2,3-Trichloropropane	U		0.000843	0.00284	1	04/06/2018 20:50	WG1094842
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/06/2018 20:50	WG1094842
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	04/06/2018 20:50	WG1094842
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	04/06/2018 20:50	WG1094842
Vinyl acetate	U		0.00272	0.0114	1	04/06/2018 20:50	WG1094842
Vinyl chloride	U		0.000331	0.00114	1	04/06/2018 20:50	WG1094842
Xylenes, Total	U	J4	0.000794	0.00341	1	04/06/2018 20:50	WG1094842
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 20:50*	WG1094842
(S) Dibromofluoromethane	*98.8*			*74.0-131*		*04/06/2018 20:50*	WG1094842
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*04/06/2018 20:50*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0559	1	04/06/2018 21:11	WG1094842
Acrylonitrile	U		0.00200	0.0112	1	04/06/2018 21:11	WG1094842
Benzene	U		0.000302	0.00112	1	04/06/2018 21:11	WG1094842
Bromobenzene	U		0.000318	0.00112	1	04/06/2018 21:11	WG1094842
Bromodichloromethane	U		0.000284	0.00112	1	04/06/2018 21:11	WG1094842
Bromochloromethane	U		0.000436	0.00559	1	04/06/2018 21:11	WG1094842
Bromoform	U		0.000474	0.00112	1	04/06/2018 21:11	WG1094842
Bromomethane	U		0.00150	0.00559	1	04/06/2018 21:11	WG1094842
n-Butylbenzene	U		0.000289	0.00112	1	04/06/2018 21:11	WG1094842
sec-Butylbenzene	U		0.000225	0.00112	1	04/06/2018 21:11	WG1094842
tert-Butylbenzene	U		0.000230	0.00112	1	04/06/2018 21:11	WG1094842
Carbon disulfide	U		0.000247	0.00112	1	04/06/2018 21:11	WG1094842
Carbon tetrachloride	U		0.000367	0.00112	1	04/06/2018 21:11	WG1094842
Chlorobenzene	U		0.000237	0.00112	1	04/06/2018 21:11	WG1094842
Chlorodibromomethane	U		0.000417	0.00112	1	04/06/2018 21:11	WG1094842
Chloroethane	U		0.00106	0.00559	1	04/06/2018 21:11	WG1094842
Chloroform	U		0.000256	0.00559	1	04/06/2018 21:11	WG1094842
Chloromethane	U		0.000419	0.00280	1	04/06/2018 21:11	WG1094842
2-Chlorotoluene	U		0.000337	0.00112	1	04/06/2018 21:11	WG1094842
4-Chlorotoluene	U		0.000268	0.00112	1	04/06/2018 21:11	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	04/06/2018 21:11	WG1094842
1,2-Dibromoethane	U		0.000384	0.00112	1	04/06/2018 21:11	WG1094842
Dibromomethane	U		0.000427	0.00112	1	04/06/2018 21:11	WG1094842
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/06/2018 21:11	WG1094842
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/06/2018 21:11	WG1094842
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/06/2018 21:11	WG1094842
Dichlorodifluoromethane	U		0.000797	0.00559	1	04/06/2018 21:11	WG1094842
1,1-Dichloroethane	U		0.000223	0.00112	1	04/06/2018 21:11	WG1094842
1,2-Dichloroethane	U		0.000296	0.00112	1	04/06/2018 21:11	WG1094842
1,1-Dichloroethene	U		0.000339	0.00112	1	04/06/2018 21:11	WG1094842
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	04/06/2018 21:11	WG1094842
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/06/2018 21:11	WG1094842
1,2-Dichloropropane	U		0.000400	0.00112	1	04/06/2018 21:11	WG1094842
1,1-Dichloropropene	U		0.000355	0.00112	1	04/06/2018 21:11	WG1094842
1,3-Dichloropropane	U		0.000231	0.00112	1	04/06/2018 21:11	WG1094842
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/06/2018 21:11	WG1094842
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/06/2018 21:11	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000870	0.00280	1	04/06/2018 21:11	WG1094842
2,2-Dichloropropane	U		0.000312	0.00112	1	04/06/2018 21:11	WG1094842
Di-isopropyl ether	U		0.000277	0.00112	1	04/06/2018 21:11	WG1094842
Ethylbenzene	U		0.000332	0.00112	1	04/06/2018 21:11	WG1094842
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/06/2018 21:11	WG1094842
2-Hexanone	U	J3	0.00153	0.0112	1	04/06/2018 21:11	WG1094842
n-Hexane	0.000378	J	0.000324	0.0112	1	04/06/2018 21:11	WG1094842
Iodomethane	U		0.00283	0.0112	1	04/06/2018 21:11	WG1094842
Isopropylbenzene	U		0.000272	0.00112	1	04/06/2018 21:11	WG1094842
p-Isopropyltoluene	U		0.000228	0.00112	1	04/06/2018 21:11	WG1094842
2-Butanone (MEK)	U	J3	0.00523	0.0112	1	04/06/2018 21:11	WG1094842
Methylene Chloride	U		0.00112	0.00559	1	04/06/2018 21:11	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00210	0.0112	1	04/06/2018 21:11	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/06/2018 21:11	WG1094842
Naphthalene	U		0.00112	0.00559	1	04/06/2018 21:11	WG1094842
n-Propylbenzene	U		0.000230	0.00112	1	04/06/2018 21:11	WG1094842
Styrene	U		0.000262	0.00112	1	04/06/2018 21:11	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/06/2018 21:11	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/06/2018 21:11	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/06/2018 21:11	WG1094842
Tetrachloroethene	U		0.000309	0.00112	1	04/06/2018 21:11	WG1094842
Toluene	U		0.000485	0.00559	1	04/06/2018 21:11	WG1094842
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/06/2018 21:11	WG1094842
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/06/2018 21:11	WG1094842
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/06/2018 21:11	WG1094842
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/06/2018 21:11	WG1094842
Trichloroethene	U		0.000312	0.00112	1	04/06/2018 21:11	WG1094842
Trichlorofluoromethane	U		0.000427	0.00559	1	04/06/2018 21:11	WG1094842
1,2,3-Trichloropropane	U		0.000829	0.00280	1	04/06/2018 21:11	WG1094842
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/06/2018 21:11	WG1094842
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/06/2018 21:11	WG1094842
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/06/2018 21:11	WG1094842
Vinyl acetate	U		0.00267	0.0112	1	04/06/2018 21:11	WG1094842
Vinyl chloride	U		0.000325	0.00112	1	04/06/2018 21:11	WG1094842
Xylenes, Total	U	J4	0.000781	0.00336	1	04/06/2018 21:11	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2018 21:11*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 21:11*	WG1094842
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/06/2018 21:11*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0559	1	04/09/2018 19:22	WG1094842
Acrylonitrile	U		0.00200	0.0112	1	04/09/2018 19:22	WG1094842
Benzene	U		0.000302	0.00112	1	04/09/2018 19:22	WG1094842
Bromobenzene	U		0.000317	0.00112	1	04/09/2018 19:22	WG1094842
Bromodichloromethane	U		0.000284	0.00112	1	04/09/2018 19:22	WG1094842
Bromochloromethane	U		0.000436	0.00559	1	04/09/2018 19:22	WG1094842
Bromoform	U		0.000474	0.00112	1	04/09/2018 19:22	WG1094842
Bromomethane	U		0.00150	0.00559	1	04/09/2018 19:22	WG1094842
n-Butylbenzene	U		0.000288	0.00112	1	04/09/2018 19:22	WG1094842
sec-Butylbenzene	U		0.000225	0.00112	1	04/09/2018 19:22	WG1094842
tert-Butylbenzene	U		0.000230	0.00112	1	04/09/2018 19:22	WG1094842
Carbon disulfide	U		0.000247	0.00112	1	04/09/2018 19:22	WG1094842
Carbon tetrachloride	U		0.000367	0.00112	1	04/09/2018 19:22	WG1094842
Chlorobenzene	U		0.000237	0.00112	1	04/09/2018 19:22	WG1094842
Chlorodibromomethane	U		0.000417	0.00112	1	04/09/2018 19:22	WG1094842
Chloroethane	U		0.00106	0.00559	1	04/09/2018 19:22	WG1094842
Chloroform	U		0.000256	0.00559	1	04/09/2018 19:22	WG1094842
Chloromethane	U		0.000419	0.00279	1	04/09/2018 19:22	WG1094842
2-Chlorotoluene	U		0.000336	0.00112	1	04/09/2018 19:22	WG1094842
4-Chlorotoluene	U		0.000268	0.00112	1	04/09/2018 19:22	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	04/09/2018 19:22	WG1094842
1,2-Dibromoethane	U		0.000383	0.00112	1	04/09/2018 19:22	WG1094842
Dibromomethane	U		0.000427	0.00112	1	04/09/2018 19:22	WG1094842
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/09/2018 19:22	WG1094842
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/09/2018 19:22	WG1094842
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/09/2018 19:22	WG1094842
Dichlorodifluoromethane	U		0.000797	0.00559	1	04/09/2018 19:22	WG1094842
1,1-Dichloroethane	U		0.000222	0.00112	1	04/09/2018 19:22	WG1094842
1,2-Dichloroethane	U		0.000296	0.00112	1	04/09/2018 19:22	WG1094842
1,1-Dichloroethene	U		0.000339	0.00112	1	04/09/2018 19:22	WG1094842
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	04/09/2018 19:22	WG1094842
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/09/2018 19:22	WG1094842
1,2-Dichloropropane	U		0.000400	0.00112	1	04/09/2018 19:22	WG1094842
1,1-Dichloropropene	U		0.000354	0.00112	1	04/09/2018 19:22	WG1094842
1,3-Dichloropropane	U		0.000231	0.00112	1	04/09/2018 19:22	WG1094842
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/09/2018 19:22	WG1094842
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/09/2018 19:22	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000870	0.00279	1	04/09/2018 19:22	WG1094842
2,2-Dichloropropane	U		0.000312	0.00112	1	04/09/2018 19:22	WG1094842
Di-isopropyl ether	U		0.000277	0.00112	1	04/09/2018 19:22	WG1094842
Ethylbenzene	U		0.000332	0.00112	1	04/09/2018 19:22	WG1094842
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/09/2018 19:22	WG1094842
2-Hexanone	U	J3	0.00153	0.0112	1	04/09/2018 19:22	WG1094842
n-Hexane	U		0.000324	0.0112	1	04/09/2018 19:22	WG1094842
Iodomethane	U		0.00283	0.0112	1	04/09/2018 19:22	WG1094842
Isopropylbenzene	U		0.000272	0.00112	1	04/09/2018 19:22	WG1094842
p-Isopropyltoluene	U		0.000228	0.00112	1	04/09/2018 19:22	WG1094842
2-Butanone (MEK)	U	J3	0.00523	0.0112	1	04/09/2018 19:22	WG1094842
Methylene Chloride	U		0.00112	0.00559	1	04/09/2018 19:22	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00210	0.0112	1	04/09/2018 19:22	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/09/2018 19:22	WG1094842
Naphthalene	U		0.00112	0.00559	1	04/09/2018 19:22	WG1094842
n-Propylbenzene	U		0.000230	0.00112	1	04/09/2018 19:22	WG1094842
Styrene	U		0.000262	0.00112	1	04/09/2018 19:22	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/09/2018 19:22	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/09/2018 19:22	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/09/2018 19:22	WG1094842
Tetrachloroethene	U		0.000308	0.00112	1	04/09/2018 19:22	WG1094842
Toluene	U		0.000485	0.00559	1	04/09/2018 19:22	WG1094842
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/09/2018 19:22	WG1094842
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/09/2018 19:22	WG1094842
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/09/2018 19:22	WG1094842
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/09/2018 19:22	WG1094842
Trichloroethene	U		0.000312	0.00112	1	04/09/2018 19:22	WG1094842
Trichlorofluoromethane	U		0.000427	0.00559	1	04/09/2018 19:22	WG1094842
1,2,3-Trichloropropane	U		0.000828	0.00279	1	04/09/2018 19:22	WG1094842
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/09/2018 19:22	WG1094842
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/09/2018 19:22	WG1094842
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/09/2018 19:22	WG1094842
Vinyl acetate	U		0.00267	0.0112	1	04/09/2018 19:22	WG1094842
Vinyl chloride	U		0.000325	0.00112	1	04/09/2018 19:22	WG1094842
Xylenes, Total	U	J4	0.000780	0.00335	1	04/09/2018 19:22	WG1094842
(S) Toluene-d8	*101*			*80.0-120*		*04/09/2018 19:22*	WG1094842
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/09/2018 19:22*	WG1094842
(S) 4-Bromofluorobenzene	*97.0*			*64.0-132*		*04/09/2018 19:22*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0124	J	0.0111	0.0557	1	04/09/2018 19:43	WG1094842
Acrylonitrile	U		0.00199	0.0111	1	04/06/2018 21:54	WG1094842
Benzene	U		0.000301	0.00111	1	04/06/2018 21:54	WG1094842
Bromobenzene	U		0.000316	0.00111	1	04/06/2018 21:54	WG1094842
Bromodichloromethane	U		0.000283	0.00111	1	04/06/2018 21:54	WG1094842
Bromochloromethane	U		0.000434	0.00557	1	04/06/2018 21:54	WG1094842
Bromoform	U		0.000472	0.00111	1	04/06/2018 21:54	WG1094842
Bromomethane	U		0.00149	0.00557	1	04/06/2018 21:54	WG1094842
n-Butylbenzene	U		0.000287	0.00111	1	04/06/2018 21:54	WG1094842
sec-Butylbenzene	U		0.000224	0.00111	1	04/06/2018 21:54	WG1094842
tert-Butylbenzene	U		0.000229	0.00111	1	04/06/2018 21:54	WG1094842
Carbon disulfide	0.000311	J	0.000246	0.00111	1	04/06/2018 21:54	WG1094842
Carbon tetrachloride	U		0.000365	0.00111	1	04/06/2018 21:54	WG1094842
Chlorobenzene	U		0.000236	0.00111	1	04/06/2018 21:54	WG1094842
Chlorodibromomethane	U		0.000415	0.00111	1	04/06/2018 21:54	WG1094842
Chloroethane	U		0.00105	0.00557	1	04/06/2018 21:54	WG1094842
Chloroform	U		0.000255	0.00557	1	04/06/2018 21:54	WG1094842
Chloromethane	U		0.000418	0.00278	1	04/06/2018 21:54	WG1094842
2-Chlorotoluene	U		0.000335	0.00111	1	04/06/2018 21:54	WG1094842
4-Chlorotoluene	U		0.000267	0.00111	1	04/06/2018 21:54	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	04/06/2018 21:54	WG1094842
1,2-Dibromoethane	U		0.000382	0.00111	1	04/06/2018 21:54	WG1094842
Dibromomethane	U		0.000426	0.00111	1	04/06/2018 21:54	WG1094842
1,2-Dichlorobenzene	U		0.000340	0.00111	1	04/06/2018 21:54	WG1094842
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/06/2018 21:54	WG1094842
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/06/2018 21:54	WG1094842
Dichlorodifluoromethane	U		0.000794	0.00557	1	04/06/2018 21:54	WG1094842
1,1-Dichloroethane	U		0.000222	0.00111	1	04/06/2018 21:54	WG1094842
1,2-Dichloroethane	U		0.000295	0.00111	1	04/06/2018 21:54	WG1094842
1,1-Dichloroethene	U		0.000338	0.00111	1	04/06/2018 21:54	WG1094842
cis-1,2-Dichloroethene	U		0.000262	0.00111	1	04/06/2018 21:54	WG1094842
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/06/2018 21:54	WG1094842
1,2-Dichloropropane	U		0.000399	0.00111	1	04/06/2018 21:54	WG1094842
1,1-Dichloropropene	U		0.000353	0.00111	1	04/06/2018 21:54	WG1094842
1,3-Dichloropropane	U		0.000231	0.00111	1	04/06/2018 21:54	WG1094842
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/06/2018 21:54	WG1094842
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/06/2018 21:54	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000867	0.00278	1	04/06/2018 21:54	WG1094842
2,2-Dichloropropane	U		0.000311	0.00111	1	04/06/2018 21:54	WG1094842
Di-isopropyl ether	U		0.000276	0.00111	1	04/06/2018 21:54	WG1094842
Ethylbenzene	U		0.000331	0.00111	1	04/06/2018 21:54	WG1094842
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/06/2018 21:54	WG1094842
2-Hexanone	U	J3	0.00153	0.0111	1	04/06/2018 21:54	WG1094842
n-Hexane	U		0.000323	0.0111	1	04/06/2018 21:54	WG1094842
Iodomethane	U		0.00282	0.0111	1	04/06/2018 21:54	WG1094842
Isopropylbenzene	U		0.000271	0.00111	1	04/06/2018 21:54	WG1094842
p-Isopropyltoluene	U		0.000227	0.00111	1	04/06/2018 21:54	WG1094842
2-Butanone (MEK)	U	J3	0.00521	0.0111	1	04/06/2018 21:54	WG1094842
Methylene Chloride	U		0.00111	0.00557	1	04/06/2018 21:54	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00209	0.0111	1	04/06/2018 21:54	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/06/2018 21:54	WG1094842
Naphthalene	U		0.00111	0.00557	1	04/06/2018 21:54	WG1094842
n-Propylbenzene	U		0.000229	0.00111	1	04/06/2018 21:54	WG1094842
Styrene	U		0.000261	0.00111	1	04/06/2018 21:54	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/06/2018 21:54	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	04/06/2018 21:54	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	04/06/2018 21:54	WG1094842
Tetrachloroethene	0.000926	J	0.000307	0.00111	1	04/06/2018 21:54	WG1094842
Toluene	U		0.000483	0.00557	1	04/06/2018 21:54	WG1094842
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	04/06/2018 21:54	WG1094842
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	04/06/2018 21:54	WG1094842
1,1,1-Trichloroethane	U		0.000319	0.00111	1	04/06/2018 21:54	WG1094842
1,1,2-Trichloroethane	U		0.000309	0.00111	1	04/06/2018 21:54	WG1094842
Trichloroethene	U		0.000311	0.00111	1	04/06/2018 21:54	WG1094842
Trichlorofluoromethane	U		0.000426	0.00557	1	04/06/2018 21:54	WG1094842
1,2,3-Trichloropropane	U		0.000825	0.00278	1	04/06/2018 21:54	WG1094842
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/06/2018 21:54	WG1094842
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	04/06/2018 21:54	WG1094842
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/06/2018 21:54	WG1094842
Vinyl acetate	U		0.00266	0.0111	1	04/06/2018 21:54	WG1094842
Vinyl chloride	U		0.000324	0.00111	1	04/06/2018 21:54	WG1094842
Xylenes, Total	U	J4	0.000778	0.00334	1	04/06/2018 21:54	WG1094842
(S) Toluene-d8	*104*			*80.0-120*		*04/06/2018 21:54*	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 19:43*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/06/2018 21:54*	WG1094842
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/09/2018 19:43*	WG1094842
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/06/2018 21:54*	WG1094842
(S) 4-Bromofluorobenzene	*99.6*			*64.0-132*		*04/09/2018 19:43*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0576	1	04/06/2018 22:15	WG1094842
Acrylonitrile	U		0.00206	0.0115	1	04/06/2018 22:15	WG1094842
Benzene	U		0.000311	0.00115	1	04/06/2018 22:15	WG1094842
Bromobenzene	U		0.000327	0.00115	1	04/06/2018 22:15	WG1094842
Bromodichloromethane	U		0.000293	0.00115	1	04/06/2018 22:15	WG1094842
Bromochloromethane	U		0.000450	0.00576	1	04/06/2018 22:15	WG1094842
Bromoform	U		0.000489	0.00115	1	04/06/2018 22:15	WG1094842
Bromomethane	U		0.00154	0.00576	1	04/06/2018 22:15	WG1094842
n-Butylbenzene	U		0.000297	0.00115	1	04/06/2018 22:15	WG1094842
sec-Butylbenzene	U		0.000232	0.00115	1	04/06/2018 22:15	WG1094842
tert-Butylbenzene	U		0.000237	0.00115	1	04/06/2018 22:15	WG1094842
Carbon disulfide	U		0.000255	0.00115	1	04/06/2018 22:15	WG1094842
Carbon tetrachloride	U		0.000378	0.00115	1	04/06/2018 22:15	WG1094842
Chlorobenzene	U		0.000244	0.00115	1	04/06/2018 22:15	WG1094842
Chlorodibromomethane	U		0.000430	0.00115	1	04/06/2018 22:15	WG1094842
Chloroethane	U		0.00109	0.00576	1	04/06/2018 22:15	WG1094842
Chloroform	U		0.000264	0.00576	1	04/06/2018 22:15	WG1094842
Chloromethane	U		0.000432	0.00288	1	04/06/2018 22:15	WG1094842
2-Chlorotoluene	U		0.000347	0.00115	1	04/06/2018 22:15	WG1094842
4-Chlorotoluene	U		0.000277	0.00115	1	04/06/2018 22:15	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	04/06/2018 22:15	WG1094842
1,2-Dibromoethane	U		0.000395	0.00115	1	04/06/2018 22:15	WG1094842
Dibromomethane	U		0.000440	0.00115	1	04/06/2018 22:15	WG1094842
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/06/2018 22:15	WG1094842
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/06/2018 22:15	WG1094842
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/06/2018 22:15	WG1094842
Dichlorodifluoromethane	U		0.000822	0.00576	1	04/06/2018 22:15	WG1094842
1,1-Dichloroethane	U		0.000229	0.00115	1	04/06/2018 22:15	WG1094842
1,2-Dichloroethane	U		0.000305	0.00115	1	04/06/2018 22:15	WG1094842
1,1-Dichloroethene	U		0.000349	0.00115	1	04/06/2018 22:15	WG1094842
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	04/06/2018 22:15	WG1094842
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	04/06/2018 22:15	WG1094842
1,2-Dichloropropane	U		0.000413	0.00115	1	04/06/2018 22:15	WG1094842
1,1-Dichloropropene	U		0.000365	0.00115	1	04/06/2018 22:15	WG1094842
1,3-Dichloropropane	U		0.000239	0.00115	1	04/06/2018 22:15	WG1094842
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/06/2018 22:15	WG1094842
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/06/2018 22:15	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000897	0.00288	1	04/06/2018 22:15	WG1094842
2,2-Dichloropropane	U		0.000322	0.00115	1	04/06/2018 22:15	WG1094842
Di-isopropyl ether	U		0.000286	0.00115	1	04/06/2018 22:15	WG1094842
Ethylbenzene	U		0.000342	0.00115	1	04/06/2018 22:15	WG1094842
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/06/2018 22:15	WG1094842
2-Hexanone	U	J3	0.00158	0.0115	1	04/06/2018 22:15	WG1094842
n-Hexane	U		0.000334	0.0115	1	04/06/2018 22:15	WG1094842
Iodomethane	U		0.00292	0.0115	1	04/06/2018 22:15	WG1094842
Isopropylbenzene	U		0.000280	0.00115	1	04/06/2018 22:15	WG1094842
p-Isopropyltoluene	U		0.000235	0.00115	1	04/06/2018 22:15	WG1094842
2-Butanone (MEK)	U	J3	0.00539	0.0115	1	04/06/2018 22:15	WG1094842
Methylene Chloride	U		0.00115	0.00576	1	04/06/2018 22:15	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00217	0.0115	1	04/06/2018 22:15	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/06/2018 22:15	WG1094842
Naphthalene	U		0.00115	0.00576	1	04/06/2018 22:15	WG1094842
n-Propylbenzene	U		0.000237	0.00115	1	04/06/2018 22:15	WG1094842
Styrene	U		0.000270	0.00115	1	04/06/2018 22:15	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/06/2018 22:15	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/06/2018 22:15	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/06/2018 22:15	WG1094842
Tetrachloroethene	U		0.000318	0.00115	1	04/06/2018 22:15	WG1094842
Toluene	U		0.000500	0.00576	1	04/06/2018 22:15	WG1094842
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/06/2018 22:15	WG1094842
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/06/2018 22:15	WG1094842
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/06/2018 22:15	WG1094842
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/06/2018 22:15	WG1094842
Trichloroethene	U		0.000322	0.00115	1	04/06/2018 22:15	WG1094842
Trichlorofluoromethane	U		0.000440	0.00576	1	04/06/2018 22:15	WG1094842
1,2,3-Trichloropropane	U		0.000854	0.00288	1	04/06/2018 22:15	WG1094842
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/06/2018 22:15	WG1094842
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/06/2018 22:15	WG1094842
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/06/2018 22:15	WG1094842
Vinyl acetate	U		0.00275	0.0115	1	04/06/2018 22:15	WG1094842
Vinyl chloride	U		0.000335	0.00115	1	04/06/2018 22:15	WG1094842
Xylenes, Total	U	J4	0.000805	0.00346	1	04/06/2018 22:15	WG1094842
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2018 22:15*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 22:15*	WG1094842
(S) 4-Bromofluorobenzene	*99.6*			*64.0-132*		*04/06/2018 22:15*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0114	0.0572	1	04/06/2018 22:36	WG1094842
Acrylonitrile	U		0.00205	0.0114	1	04/06/2018 22:36	WG1094842
Benzene	U		0.000309	0.00114	1	04/06/2018 22:36	WG1094842
Bromobenzene	U		0.000325	0.00114	1	04/06/2018 22:36	WG1094842
Bromodichloromethane	U		0.000291	0.00114	1	04/06/2018 22:36	WG1094842
Bromochloromethane	U		0.000446	0.00572	1	04/06/2018 22:36	WG1094842
Bromoform	U		0.000485	0.00114	1	04/06/2018 22:36	WG1094842
Bromomethane	U		0.00153	0.00572	1	04/06/2018 22:36	WG1094842
n-Butylbenzene	U		0.000295	0.00114	1	04/06/2018 22:36	WG1094842
sec-Butylbenzene	U		0.000230	0.00114	1	04/06/2018 22:36	WG1094842
tert-Butylbenzene	U		0.000236	0.00114	1	04/06/2018 22:36	WG1094842
Carbon disulfide	U		0.000253	0.00114	1	04/06/2018 22:36	WG1094842
Carbon tetrachloride	U		0.000375	0.00114	1	04/06/2018 22:36	WG1094842
Chlorobenzene	U		0.000243	0.00114	1	04/06/2018 22:36	WG1094842
Chlorodibromomethane	U		0.000427	0.00114	1	04/06/2018 22:36	WG1094842
Chloroethane	U		0.00108	0.00572	1	04/06/2018 22:36	WG1094842
Chloroform	U		0.000262	0.00572	1	04/06/2018 22:36	WG1094842
Chloromethane	U		0.000429	0.00286	1	04/06/2018 22:36	WG1094842
2-Chlorotoluene	U		0.000345	0.00114	1	04/06/2018 22:36	WG1094842
4-Chlorotoluene	U		0.000275	0.00114	1	04/06/2018 22:36	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	04/06/2018 22:36	WG1094842
1,2-Dibromoethane	U		0.000393	0.00114	1	04/06/2018 22:36	WG1094842
Dibromomethane	U		0.000437	0.00114	1	04/06/2018 22:36	WG1094842
1,2-Dichlorobenzene	U		0.000349	0.00114	1	04/06/2018 22:36	WG1094842
1,3-Dichlorobenzene	U		0.000274	0.00114	1	04/06/2018 22:36	WG1094842
1,4-Dichlorobenzene	U		0.000259	0.00114	1	04/06/2018 22:36	WG1094842
Dichlorodifluoromethane	U		0.000816	0.00572	1	04/06/2018 22:36	WG1094842
1,1-Dichloroethane	U		0.000228	0.00114	1	04/06/2018 22:36	WG1094842
1,2-Dichloroethane	U		0.000303	0.00114	1	04/06/2018 22:36	WG1094842
1,1-Dichloroethene	U		0.000347	0.00114	1	04/06/2018 22:36	WG1094842
cis-1,2-Dichloroethene	U		0.000269	0.00114	1	04/06/2018 22:36	WG1094842
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	04/06/2018 22:36	WG1094842
1,2-Dichloropropane	U		0.000410	0.00114	1	04/06/2018 22:36	WG1094842
1,1-Dichloropropene	U		0.000363	0.00114	1	04/06/2018 22:36	WG1094842
1,3-Dichloropropane	U		0.000237	0.00114	1	04/06/2018 22:36	WG1094842
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	04/06/2018 22:36	WG1094842
trans-1,3-Dichloropropene	U		0.000306	0.00114	1	04/06/2018 22:36	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	04/06/2018 22:36	WG1094842
2,2-Dichloropropane	U		0.000319	0.00114	1	04/06/2018 22:36	WG1094842
Di-isopropyl ether	U		0.000284	0.00114	1	04/06/2018 22:36	WG1094842
Ethylbenzene	U		0.000340	0.00114	1	04/06/2018 22:36	WG1094842
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	04/06/2018 22:36	WG1094842
2-Hexanone	U	J3	0.00157	0.0114	1	04/06/2018 22:36	WG1094842
n-Hexane	U		0.000332	0.0114	1	04/06/2018 22:36	WG1094842
Iodomethane	U		0.00290	0.0114	1	04/06/2018 22:36	WG1094842
Isopropylbenzene	U		0.000278	0.00114	1	04/06/2018 22:36	WG1094842
p-Isopropyltoluene	U		0.000233	0.00114	1	04/06/2018 22:36	WG1094842
2-Butanone (MEK)	U	J3	0.00536	0.0114	1	04/06/2018 22:36	WG1094842
Methylene Chloride	U		0.00114	0.00572	1	04/06/2018 22:36	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00215	0.0114	1	04/06/2018 22:36	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00114	1	04/06/2018 22:36	WG1094842
Naphthalene	U		0.00114	0.00572	1	04/06/2018 22:36	WG1094842
n-Propylbenzene	U		0.000236	0.00114	1	04/06/2018 22:36	WG1094842
Styrene	U		0.000268	0.00114	1	04/06/2018 22:36	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	04/06/2018 22:36	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000418	0.00114	1	04/06/2018 22:36	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00114	1	04/06/2018 22:36	WG1094842
Tetrachloroethene	U		0.000316	0.00114	1	04/06/2018 22:36	WG1094842
Toluene	U		0.000497	0.00572	1	04/06/2018 22:36	WG1094842
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	04/06/2018 22:36	WG1094842
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	04/06/2018 22:36	WG1094842
1,1,1-Trichloroethane	U		0.000327	0.00114	1	04/06/2018 22:36	WG1094842
1,1,2-Trichloroethane	U		0.000317	0.00114	1	04/06/2018 22:36	WG1094842
Trichloroethene	U		0.000319	0.00114	1	04/06/2018 22:36	WG1094842
Trichlorofluoromethane	U		0.000437	0.00572	1	04/06/2018 22:36	WG1094842
1,2,3-Trichloropropane	U		0.000848	0.00286	1	04/06/2018 22:36	WG1094842
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	04/06/2018 22:36	WG1094842
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	04/06/2018 22:36	WG1094842
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	04/06/2018 22:36	WG1094842
Vinyl acetate	U		0.00274	0.0114	1	04/06/2018 22:36	WG1094842
Vinyl chloride	U		0.000333	0.00114	1	04/06/2018 22:36	WG1094842
Xylenes, Total	U	J4	0.000799	0.00343	1	04/06/2018 22:36	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2018 22:36*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 22:36*	WG1094842
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/06/2018 22:36*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0111	0.0556	1	04/06/2018 22:57	WG1094842
Acrylonitrile	U		0.00199	0.0111	1	04/06/2018 22:57	WG1094842
Benzene	U		0.000300	0.00111	1	04/06/2018 22:57	WG1094842
Bromobenzene	U		0.000316	0.00111	1	04/06/2018 22:57	WG1094842
Bromodichloromethane	U		0.000282	0.00111	1	04/06/2018 22:57	WG1094842
Bromochloromethane	U		0.000433	0.00556	1	04/06/2018 22:57	WG1094842
Bromoform	U		0.000471	0.00111	1	04/06/2018 22:57	WG1094842
Bromomethane	U		0.00149	0.00556	1	04/06/2018 22:57	WG1094842
n-Butylbenzene	U		0.000287	0.00111	1	04/06/2018 22:57	WG1094842
sec-Butylbenzene	U		0.000223	0.00111	1	04/06/2018 22:57	WG1094842
tert-Butylbenzene	U		0.000229	0.00111	1	04/06/2018 22:57	WG1094842
Carbon disulfide	U		0.000246	0.00111	1	04/06/2018 22:57	WG1094842
Carbon tetrachloride	U		0.000364	0.00111	1	04/06/2018 22:57	WG1094842
Chlorobenzene	U		0.000236	0.00111	1	04/06/2018 22:57	WG1094842
Chlorodibromomethane	U		0.000414	0.00111	1	04/06/2018 22:57	WG1094842
Chloroethane	U		0.00105	0.00556	1	04/06/2018 22:57	WG1094842
Chloroform	U		0.000254	0.00556	1	04/06/2018 22:57	WG1094842
Chloromethane	U		0.000417	0.00278	1	04/06/2018 22:57	WG1094842
2-Chlorotoluene	U		0.000334	0.00111	1	04/06/2018 22:57	WG1094842
4-Chlorotoluene	U		0.000267	0.00111	1	04/06/2018 22:57	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	04/06/2018 22:57	WG1094842
1,2-Dibromoethane	U		0.000381	0.00111	1	04/06/2018 22:57	WG1094842
Dibromomethane	U		0.000424	0.00111	1	04/06/2018 22:57	WG1094842
1,2-Dichlorobenzene	U		0.000339	0.00111	1	04/06/2018 22:57	WG1094842
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/06/2018 22:57	WG1094842
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/06/2018 22:57	WG1094842
Dichlorodifluoromethane	U		0.000792	0.00556	1	04/06/2018 22:57	WG1094842
1,1-Dichloroethane	U		0.000221	0.00111	1	04/06/2018 22:57	WG1094842
1,2-Dichloroethane	U		0.000294	0.00111	1	04/06/2018 22:57	WG1094842
1,1-Dichloroethene	U		0.000337	0.00111	1	04/06/2018 22:57	WG1094842
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	04/06/2018 22:57	WG1094842
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/06/2018 22:57	WG1094842
1,2-Dichloropropane	U		0.000398	0.00111	1	04/06/2018 22:57	WG1094842
1,1-Dichloropropene	U		0.000352	0.00111	1	04/06/2018 22:57	WG1094842
1,3-Dichloropropane	U		0.000230	0.00111	1	04/06/2018 22:57	WG1094842
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/06/2018 22:57	WG1094842
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/06/2018 22:57	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	04/06/2018 22:57	WG1094842
2,2-Dichloropropane	U		0.000310	0.00111	1	04/06/2018 22:57	WG1094842
Di-isopropyl ether	U		0.000276	0.00111	1	04/06/2018 22:57	WG1094842
Ethylbenzene	U		0.000330	0.00111	1	04/06/2018 22:57	WG1094842
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	04/06/2018 22:57	WG1094842
2-Hexanone	U	J3	0.00152	0.0111	1	04/06/2018 22:57	WG1094842
n-Hexane	0.000391	J	0.000322	0.0111	1	04/06/2018 22:57	WG1094842
Iodomethane	U		0.00281	0.0111	1	04/06/2018 22:57	WG1094842
Isopropylbenzene	U		0.000270	0.00111	1	04/06/2018 22:57	WG1094842
p-Isopropyltoluene	U		0.000227	0.00111	1	04/06/2018 22:57	WG1094842
2-Butanone (MEK)	U	J3	0.00520	0.0111	1	04/06/2018 22:57	WG1094842
Methylene Chloride	U		0.00111	0.00556	1	04/06/2018 22:57	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00209	0.0111	1	04/06/2018 22:57	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/06/2018 22:57	WG1094842
Naphthalene	U		0.00111	0.00556	1	04/06/2018 22:57	WG1094842
n-Propylbenzene	U		0.000229	0.00111	1	04/06/2018 22:57	WG1094842
Styrene	U		0.000260	0.00111	1	04/06/2018 22:57	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/06/2018 22:57	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/06/2018 22:57	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/06/2018 22:57	WG1094842
Tetrachloroethene	0.000448	J	0.000307	0.00111	1	04/06/2018 22:57	WG1094842
Toluene	U		0.000482	0.00556	1	04/06/2018 22:57	WG1094842
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	04/06/2018 22:57	WG1094842
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	04/06/2018 22:57	WG1094842
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/06/2018 22:57	WG1094842
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/06/2018 22:57	WG1094842
Trichloroethene	U		0.000310	0.00111	1	04/06/2018 22:57	WG1094842
Trichlorofluoromethane	U		0.000424	0.00556	1	04/06/2018 22:57	WG1094842
1,2,3-Trichloropropane	U		0.000823	0.00278	1	04/06/2018 22:57	WG1094842
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/06/2018 22:57	WG1094842
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	04/06/2018 22:57	WG1094842
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/06/2018 22:57	WG1094842
Vinyl acetate	U		0.00266	0.0111	1	04/06/2018 22:57	WG1094842
Vinyl chloride	U		0.000323	0.00111	1	04/06/2018 22:57	WG1094842
Xylenes, Total	U	J4	0.000776	0.00333	1	04/06/2018 22:57	WG1094842
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 22:57*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/06/2018 22:57*	WG1094842
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*04/06/2018 22:57*	WG1094842

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/06/2018 00:40	WG1094421
Acrylonitrile	U		0.873	5.00	1	04/06/2018 00:40	WG1094421
Benzene	U		0.0896	0.500	1	04/06/2018 00:40	WG1094421
Bromobenzene	U		0.133	0.500	1	04/06/2018 00:40	WG1094421
Bromodichloromethane	U		0.0800	0.500	1	04/06/2018 00:40	WG1094421
Bromochloromethane	U		0.145	0.500	1	04/06/2018 00:40	WG1094421
Bromoform	U		0.186	0.500	1	04/06/2018 00:40	WG1094421
Bromomethane	U		0.157	2.50	1	04/06/2018 00:40	WG1094421
n-Butylbenzene	U		0.143	0.500	1	04/06/2018 00:40	WG1094421
sec-Butylbenzene	U		0.134	0.500	1	04/06/2018 00:40	WG1094421
tert-Butylbenzene	U		0.183	0.500	1	04/06/2018 00:40	WG1094421
Carbon disulfide	U		0.101	0.500	1	04/06/2018 00:40	WG1094421
Carbon tetrachloride	U		0.159	0.500	1	04/06/2018 00:40	WG1094421
Chlorobenzene	U		0.140	0.500	1	04/06/2018 00:40	WG1094421
Chlorodibromomethane	U		0.128	0.500	1	04/06/2018 00:40	WG1094421
Chloroethane	U		0.141	2.50	1	04/06/2018 00:40	WG1094421
Chloroform	U		0.0860	0.500	1	04/06/2018 00:40	WG1094421
Chloromethane	U		0.153	1.25	1	04/06/2018 00:40	WG1094421
2-Chlorotoluene	U		0.111	0.500	1	04/06/2018 00:40	WG1094421
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2018 00:40	WG1094421
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2018 00:40	WG1094421
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2018 00:40	WG1094421
Dibromomethane	U		0.117	0.500	1	04/06/2018 00:40	WG1094421
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2018 00:40	WG1094421
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2018 00:40	WG1094421
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2018 00:40	WG1094421
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2018 00:40	WG1094421
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2018 00:40	WG1094421
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2018 00:40	WG1094421
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2018 00:40	WG1094421
cis-1,2-Dichloroethene	0.147	B J	0.0933	0.500	1	04/06/2018 00:40	WG1094421
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2018 00:40	WG1094421
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2018 00:40	WG1094421
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2018 00:40	WG1094421
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2018 00:40	WG1094421
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2018 00:40	WG1094421
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2018 00:40	WG1094421
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2018 00:40	WG1094421
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2018 00:40	WG1094421
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2018 00:40	WG1094421
Ethylbenzene	U		0.158	0.500	1	04/06/2018 00:40	WG1094421
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2018 00:40	WG1094421
2-Hexanone	U		0.757	5.00	1	04/06/2018 00:40	WG1094421
n-Hexane	U		0.305	5.00	1	04/06/2018 00:40	WG1094421
Iodomethane	U		0.377	10.0	1	04/06/2018 00:40	WG1094421
Isopropylbenzene	U		0.126	0.500	1	04/06/2018 00:40	WG1094421
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2018 00:40	WG1094421
2-Butanone (MEK)	U		1.28	5.00	1	04/06/2018 00:40	WG1094421
Methylene Chloride	U		1.07	2.50	1	04/06/2018 00:40	WG1094421
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2018 00:40	WG1094421
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2018 00:40	WG1094421
Naphthalene	U		0.174	2.50	1	04/06/2018 00:40	WG1094421
n-Propylbenzene	U		0.162	0.500	1	04/06/2018 00:40	WG1094421
Styrene	U		0.117	0.500	1	04/06/2018 00:40	WG1094421
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2018 00:40	WG1094421
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2018 00:40	WG1094421

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2018 00:40	WG1094421
Tetrachloroethene	0.424	B J	0.199	0.500	1	04/06/2018 00:40	WG1094421
Toluene	U		0.412	0.500	1	04/06/2018 00:40	WG1094421
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2018 00:40	WG1094421
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2018 00:40	WG1094421
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2018 00:40	WG1094421
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2018 00:40	WG1094421
Trichloroethene	U		0.153	0.500	1	04/06/2018 00:40	WG1094421
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2018 00:40	WG1094421
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2018 00:40	WG1094421
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2018 00:40	WG1094421
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2018 00:40	WG1094421
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2018 00:40	WG1094421
Vinyl acetate	U	J0	0.645	5.00	1	04/06/2018 00:40	WG1094421
Vinyl chloride	U		0.118	0.500	1	04/06/2018 00:40	WG1094421
Xylenes, Total	U		0.316	1.50	1	04/06/2018 00:40	WG1094421
(S) Toluene-d8	*106*			*80.0-120*		*04/06/2018 00:40*	WG1094421
(S) Dibromofluoromethane	*91.8*			*76.0-123*		*04/06/2018 00:40*	WG1094421
(S) 4-Bromofluorobenzene	*80.0*			*80.0-120*		*04/06/2018 00:40*	WG1094421

Method Blank (MB)

(MB) R3300380-1 04/09/18 15:09

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

L983357-05 Original Sample (OS) • Duplicate (DUP)

(OS) L983357-05 04/09/18 15:09 • (DUP) R3300380-3 04/09/18 15:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	87.3	86.2	1	1.28		5

Laboratory Control Sample (LCS)

(LCS) R3300380-2 04/09/18 15:09

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

Method Blank (MB)

(MB) R3300687-1 04/10/18 09:46

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

L983357-11 Original Sample (OS) • Duplicate (DUP)

(OS) L983357-11 04/10/18 09:46 • (DUP) R3300687-3 04/10/18 09:46

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.4	90.4	1	1.07		5

Laboratory Control Sample (LCS)

(LCS) R3300687-2 04/10/18 09:46

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

Method Blank (MB)

(MB) R3299693-3 04/05/18 20:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	0.203	J	0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
2-Hexanone	U		0.757	5.00

Method Blank (MB)

(MB) R3299693-3 04/05/18 20:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	0.238	J	0.157	1.00
n-Hexane	U		0.305	5.00
Isopropylbenzene	U		0.126	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	0.203	J	0.174	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
n-Propylbenzene	U		0.162	0.500
Vinyl acetate	U		0.645	5.00
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	0.416	J	0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	0.374	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*105*			*80.0-120*
(S) Dibromofluoromethane	*93.3*			*76.0-123*
(S) 4-Bromofluorobenzene	*80.6*			*80.0-120*

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

(LCS) R3299693-1 04/05/18 19:41 • (LCSD) R3299693-2 04/05/18 19:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromochloromethane	25.0	23.4	23.7	93.7	94.6	76.0-122			0.958	20
Carbon disulfide	25.0	21.5	21.0	85.9	83.9	55.0-127			2.30	20
Acetone	125	123	134	98.7	107	10.0-160			8.07	23
Acrylonitrile	125	112	101	89.8	81.0	60.0-142			10.4	20
trans-1,4-Dichloro-2-butene	25.0	21.1	21.2	84.4	84.6	55.0-134			0.212	20
Benzene	25.0	22.6	22.3	90.4	89.4	69.0-123			1.18	20
Bromobenzene	25.0	21.2	21.1	84.7	84.4	79.0-120			0.364	20
Bromodichloromethane	25.0	22.9	22.9	91.5	91.8	76.0-120			0.295	20
2-Hexanone	125	129	134	103	108	58.0-147			4.00	20
Bromoform	25.0	20.7	20.4	82.8	81.5	67.0-132			1.59	20
Bromomethane	25.0	25.4	24.7	102	98.7	18.0-160			3.00	20
Iodomethane	125	113	111	90.5	89.2	57.0-140			1.41	20
n-Butylbenzene	25.0	24.0	23.9	95.8	95.8	72.0-126			0.0530	20
sec-Butylbenzene	25.0	23.4	22.9	93.6	91.6	74.0-121			2.16	20
tert-Butylbenzene	25.0	22.7	22.5	90.7	89.9	75.0-122			0.980	20
Carbon tetrachloride	25.0	22.6	22.3	90.2	89.2	63.0-122			1.14	20
Chlorobenzene	25.0	26.0	26.0	104	104	79.0-121			0.0508	20
Chlorodibromomethane	25.0	25.2	25.3	101	101	75.0-125			0.387	20
Chloroethane	25.0	22.5	21.9	90.2	87.7	47.0-152			2.80	20
Chloroform	25.0	23.7	23.3	94.7	93.4	72.0-121			1.40	20
Chloromethane	25.0	20.6	20.3	82.3	81.2	48.0-139			1.33	20
1,1,2-Trichlorotrifluoroethane	25.0	22.6	22.3	90.3	89.1	61.0-136			1.32	20
2-Chlorotoluene	25.0	21.6	21.3	86.4	85.1	74.0-122			1.47	20
4-Chlorotoluene	25.0	22.0	21.7	88.0	86.8	79.0-120			1.38	20
1,2-Dibromo-3-Chloropropane	25.0	22.7	22.6	90.9	90.3	64.0-127			0.744	20
1,2-Dibromoethane	25.0	25.1	25.1	100	100	77.0-123			0.0960	20
Dibromomethane	25.0	22.6	22.5	90.5	89.9	78.0-120			0.709	20
1,2-Dichlorobenzene	25.0	24.9	25.0	99.6	100	80.0-120			0.385	20
1,3-Dichlorobenzene	25.0	24.0	24.2	96.1	96.8	72.0-123			0.751	20
1,4-Dichlorobenzene	25.0	24.4	24.6	97.6	98.3	77.0-120			0.697	20
Dichlorodifluoromethane	25.0	20.2	20.3	81.0	81.3	49.0-155			0.360	20
1,1-Dichloroethane	25.0	24.0	23.9	96.2	95.7	70.0-126			0.461	20
1,2,3-Trimethylbenzene	25.0	24.0	23.8	95.9	95.1	75.0-120			0.796	20
1,2-Dichloroethane	25.0	24.0	23.5	96.0	94.0	67.0-126			2.16	20
1,1-Dichloroethene	25.0	23.1	22.7	92.3	90.7	64.0-129			1.77	20
Vinyl acetate	125	86.6	86.8	69.3	69.4	46.0-160			0.211	20
cis-1,2-Dichloroethene	25.0	23.1	22.6	92.3	90.2	73.0-120			2.32	20
trans-1,2-Dichloroethene	25.0	22.7	22.4	90.6	89.7	71.0-121			1.01	20
1,2-Dichloropropane	25.0	25.2	25.0	101	99.9	75.0-125			1.03	20
1,1-Dichloropropene	25.0	24.2	24.1	97.0	96.5	71.0-129			0.490	20

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

(LCS) R3299693-1 04/05/18 19:41 • (LCSD) R3299693-2 04/05/18 19:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,3-Dichloropropane	25.0	25.5	25.6	102	102	80.0-121			0.558	20
cis-1,3-Dichloropropene	25.0	25.3	25.5	101	102	79.0-123			0.760	20
trans-1,3-Dichloropropene	25.0	25.4	25.7	102	103	74.0-127			0.830	20
2,2-Dichloropropane	25.0	23.2	22.9	92.7	91.5	60.0-125			1.31	20
Di-isopropyl ether	25.0	22.7	22.3	90.6	89.4	59.0-133			1.41	20
Ethylbenzene	25.0	26.1	25.9	104	104	77.0-120			0.696	20
Hexachloro-1,3-butadiene	25.0	26.5	28.4	106	114	64.0-131			7.03	20
n-Hexane	25.0	20.4	19.9	81.5	79.7	56.0-124			2.19	20
Isopropylbenzene	25.0	22.2	21.7	88.7	86.8	75.0-120			2.14	20
p-Isopropyltoluene	25.0	24.1	23.8	96.4	95.4	74.0-126			1.04	20
2-Butanone (MEK)	125	108	112	86.4	89.9	37.0-158			3.89	20
Methylene Chloride	25.0	21.8	21.5	87.1	86.1	66.0-121			1.24	20
4-Methyl-2-pentanone (MIBK)	125	123	126	98.6	101	59.0-143			1.98	20
Methyl tert-butyl ether	25.0	22.7	22.5	90.9	90.1	64.0-123			0.959	20
Naphthalene	25.0	23.7	24.5	94.7	98.1	62.0-128			3.57	20
n-Propylbenzene	25.0	21.3	21.2	85.2	84.8	79.0-120			0.458	20
Styrene	25.0	21.4	21.1	85.5	84.5	78.0-124			1.24	20
1,1,1,2-Tetrachloroethane	25.0	24.4	24.5	97.7	98.0	75.0-122			0.299	20
1,1,2,2-Tetrachloroethane	25.0	20.2	20.0	80.9	79.8	71.0-122			1.30	20
Tetrachloroethene	25.0	26.4	26.3	105	105	70.0-127			0.109	20
Toluene	25.0	26.2	26.1	105	105	77.0-120			0.286	20
1,2,3-Trichlorobenzene	25.0	20.6	21.5	82.3	86.2	61.0-133			4.61	20
1,2,4-Trichlorobenzene	25.0	26.1	26.9	104	107	69.0-129			2.92	20
1,1,1-Trichloroethane	25.0	23.6	22.7	94.3	90.7	68.0-122			3.86	20
1,1,2-Trichloroethane	25.0	25.2	25.6	101	102	78.0-120			1.60	20
Trichloroethene	25.0	26.2	25.7	105	103	78.0-120			2.22	20
Trichlorofluoromethane	25.0	21.9	21.8	87.8	87.3	56.0-137			0.576	20
1,2,3-Trichloropropane	25.0	20.9	20.4	83.7	81.6	72.0-124			2.57	20
1,2,4-Trimethylbenzene	25.0	22.2	22.0	88.6	88.0	75.0-120			0.718	20
1,3,5-Trimethylbenzene	25.0	21.8	21.5	87.3	85.9	75.0-120			1.68	20
Vinyl chloride	25.0	23.6	23.0	94.4	92.1	64.0-133			2.47	20
Xylenes, Total	75.0	78.2	78.0	104	104	77.0-120			0.256	20
(S) Toluene-d8				*104*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*92.4*	*92.4*	*76.0-123*				
(S) 4-Bromofluorobenzene				*84.0*	*85.0*	*80.0-120*				

Method Blank (MB)

(MB) R3300096-3 04/08/18 11:04

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

Method Blank (MB)

(MB) R3300096-3 04/08/18 11:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	0.000215	J	0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*93.3*			*74.0-131*
(S) 4-Bromofluorobenzene	*94.9*			*64.0-132*

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

(LCS) R3300096-1 04/08/18 10:02 • (LCSD) R3300096-2 04/08/18 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.102	0.118	81.3	94.3	11.0-160			14.8	23
Acrylonitrile	0.125	0.124	0.138	99.6	110	61.0-143			10.3	20
Benzene	0.0250	0.0261	0.0264	105	106	71.0-124			1.00	20
Bromobenzene	0.0250	0.0257	0.0260	103	104	78.0-120			0.823	20
Bromodichloromethane	0.0250	0.0267	0.0268	107	107	75.0-120			0.200	20
Bromochloromethane	0.0250	0.0264	0.0275	105	110	80.0-121			4.18	20
Bromoform	0.0250	0.0255	0.0266	102	107	65.0-133			4.42	20
Bromomethane	0.0250	0.0251	0.0254	100	102	26.0-160			1.44	20
n-Butylbenzene	0.0250	0.0283	0.0282	113	113	73.0-126			0.596	20
sec-Butylbenzene	0.0250	0.0274	0.0271	110	108	75.0-121			1.28	20
tert-Butylbenzene	0.0250	0.0280	0.0280	112	112	74.0-122			0.0235	20
Carbon disulfide	0.0250	0.0278	0.0280	111	112	53.0-130			0.753	20
Carbon tetrachloride	0.0250	0.0286	0.0258	114	103	66.0-123			10.4	20
Chlorobenzene	0.0250	0.0286	0.0285	114	114	79.0-121			0.378	20
Chlorodibromomethane	0.0250	0.0277	0.0279	111	112	74.0-128			0.608	20
Chloroethane	0.0250	0.0251	0.0248	101	99.3	51.0-147			1.28	20
Chloroform	0.0250	0.0266	0.0269	106	107	73.0-123			1.12	20
Chloromethane	0.0250	0.0261	0.0260	104	104	51.0-138			0.155	20
2-Chlorotoluene	0.0250	0.0274	0.0274	110	109	72.0-124			0.0484	20
4-Chlorotoluene	0.0250	0.0262	0.0264	105	106	78.0-120			0.932	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0245	0.0271	97.9	108	65.0-126			10.1	20
1,2-Dibromoethane	0.0250	0.0260	0.0279	104	112	78.0-122			7.02	20
Dibromomethane	0.0250	0.0258	0.0281	103	113	79.0-120			8.73	20
1,2-Dichlorobenzene	0.0250	0.0274	0.0283	110	113	80.0-120			2.94	20
1,3-Dichlorobenzene	0.0250	0.0276	0.0277	110	111	72.0-123			0.453	20
1,4-Dichlorobenzene	0.0250	0.0263	0.0262	105	105	77.0-120			0.320	20
trans-1,4-Dichloro-2-butene	0.0250	0.0262	0.0285	105	114	68.0-126			8.61	20
Dichlorodifluoromethane	0.0250	0.0272	0.0276	109	110	49.0-155			1.29	20
1,1-Dichloroethane	0.0250	0.0278	0.0277	111	111	70.0-128			0.241	20
1,2-Dichloroethane	0.0250	0.0249	0.0268	99.4	107	69.0-128			7.55	20
1,1-Dichloroethene	0.0250	0.0288	0.0286	115	114	63.0-131			0.821	20
cis-1,2-Dichloroethene	0.0250	0.0269	0.0271	108	108	74.0-123			0.609	20
trans-1,2-Dichloroethene	0.0250	0.0281	0.0276	113	111	72.0-122			1.73	20
1,2-Dichloropropane	0.0250	0.0278	0.0280	111	112	75.0-126			0.494	20
1,1-Dichloropropene	0.0250	0.0268	0.0264	107	106	72.0-130			1.59	20
1,3-Dichloropropane	0.0250	0.0261	0.0280	104	112	80.0-121			7.21	20
cis-1,3-Dichloropropene	0.0250	0.0276	0.0280	110	112	80.0-125			1.48	20
trans-1,3-Dichloropropene	0.0250	0.0271	0.0283	109	113	75.0-129			4.20	20
2,2-Dichloropropane	0.0250	0.0279	0.0291	111	117	60.0-129			4.45	20
Di-isopropyl ether	0.0250	0.0272	0.0280	109	112	62.0-133			2.86	20

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

(LCS) R3300096-1 04/08/18 10:02 • (LCSD) R3300096-2 04/08/18 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0291	0.0285	116	114	77.0-120			1.91	20
Hexachloro-1,3-butadiene	0.0250	0.0318	0.0328	127	131	68.0-128		J4	3.09	20
2-Hexanone	0.125	0.131	0.138	104	110	61.0-143			5.31	20
n-Hexane	0.0250	0.0262	0.0260	105	104	57.0-125			0.816	20
Iodomethane	0.125	0.146	0.145	117	116	67.0-132			0.416	20
Isopropylbenzene	0.0250	0.0273	0.0273	109	109	75.0-120			0.116	20
p-Isopropyltoluene	0.0250	0.0287	0.0287	115	115	74.0-125			0.247	20
2-Butanone (MEK)	0.125	0.112	0.127	89.6	102	37.0-159			12.6	20
Methylene Chloride	0.0250	0.0260	0.0278	104	111	67.0-123			6.75	20
4-Methyl-2-pentanone (MIBK)	0.125	0.131	0.141	105	113	60.0-144			6.96	20
Methyl tert-butyl ether	0.0250	0.0259	0.0278	104	111	66.0-125			7.28	20
Naphthalene	0.0250	0.0261	0.0277	104	111	64.0-125			5.97	20
n-Propylbenzene	0.0250	0.0274	0.0271	110	108	78.0-120			1.22	20
Styrene	0.0250	0.0262	0.0261	105	104	78.0-124			0.371	20
1,1,1,2-Tetrachloroethane	0.0250	0.0297	0.0293	119	117	74.0-124			1.42	20
1,1,2,2-Tetrachloroethane	0.0250	0.0239	0.0254	95.5	102	73.0-120			6.13	20
Tetrachloroethene	0.0250	0.0300	0.0292	120	117	70.0-127			2.62	20
Toluene	0.0250	0.0275	0.0273	110	109	77.0-120			0.743	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0293	0.0294	117	118	64.0-135			0.446	20
1,2,3-Trichlorobenzene	0.0250	0.0287	0.0304	115	122	68.0-126			5.77	20
1,2,4-Trichlorobenzene	0.0250	0.0287	0.0293	115	117	70.0-127			2.21	20
1,1,1-Trichloroethane	0.0250	0.0277	0.0277	111	111	69.0-125			0.00101	20
1,1,2-Trichloroethane	0.0250	0.0258	0.0273	103	109	78.0-120			5.48	20
Trichloroethene	0.0250	0.0296	0.0288	118	115	79.0-120			2.76	20
Trichlorofluoromethane	0.0250	0.0270	0.0269	108	108	59.0-136			0.406	20
1,2,3-Trichloropropane	0.0250	0.0237	0.0254	94.9	102	73.0-124			6.93	20
1,2,3-Trimethylbenzene	0.0250	0.0267	0.0268	107	107	76.0-120			0.696	20
1,2,4-Trimethylbenzene	0.0250	0.0280	0.0278	112	111	75.0-120			0.702	20
1,3,5-Trimethylbenzene	0.0250	0.0278	0.0276	111	110	75.0-120			0.675	20
Vinyl acetate	0.125	0.118	0.126	94.0	101	58.0-156			6.66	20
Vinyl chloride	0.0250	0.0274	0.0282	109	113	63.0-134			2.85	20
Xylenes, Total	0.0750	0.0899	0.0877	120	117	77.0-120			2.48	20
(S) Toluene-d8				*109*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*91.9*	*92.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*92.5*	*93.6*	*64.0-132*				

L983078-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983078-01 04/08/18 13:16 • (MS) R3300096-4 04/08/18 20:13 • (MSD) R3300096-5 04/08/18 20:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.133	U	3.92	6.02	112	172	28	10.0-160		J3 J5	42.2	36
Acrylonitrile	0.133	U	3.09	4.53	88.3	129	28	14.0-160		J3	37.7	33
Benzene	0.0266	U	0.562	0.683	80.3	97.6	28	13.0-146			19.5	27
Bromobenzene	0.0266	U	0.577	0.681	82.5	97.3	28	10.0-149			16.5	33
Bromodichloromethane	0.0266	U	0.628	0.770	89.7	110	28	15.0-142			20.4	28
Bromochloromethane	0.0266		0.585	0.729	83.6	104	28	24.0-146			21.9	27
Bromoform	0.0266	U	0.571	0.736	81.6	105	28	10.0-147			25.1	31
Bromomethane	0.0266	U	0.317	0.381	45.3	54.4	28	10.0-160			18.3	32
n-Butylbenzene	0.0266	U	0.584	0.671	83.4	95.8	28	10.0-154			13.8	37
sec-Butylbenzene	0.0266	U	0.662	0.749	94.6	107	28	10.0-151			12.3	36
tert-Butylbenzene	0.0266	U	0.641	0.744	91.6	106	28	10.0-152			14.9	35
Carbon disulfide	0.0266		0.337	0.417	48.1	59.6	28	10.0-141			21.4	30
Carbon tetrachloride	0.0266	U	0.594	0.671	84.9	95.9	28	13.0-140			12.2	30
Chlorobenzene	0.0266	U	0.612	0.731	87.4	104	28	10.0-149			17.7	31
Chlorodibromomethane	0.0266	U	0.613	0.770	87.6	110	28	12.0-147			22.8	29
Chloroethane	0.0266	U	0.154	0.146	22.0	20.9	28	10.0-159			5.14	33
Chloroform	0.0266	U	0.600	0.738	85.7	105	28	18.0-148			20.7	28
Chloromethane	0.0266	U	0.421	0.524	60.1	74.8	28	10.0-146			21.9	29
2-Chlorotoluene	0.0266	U	0.599	0.709	85.6	101	28	10.0-151			16.8	35
4-Chlorotoluene	0.0266	U	0.575	0.679	82.1	96.9	28	10.0-150			16.5	35
1,2-Dibromo-3-Chloropropane	0.0266	U	0.532	0.790	76.0	113	28	10.0-149		J3	39.0	34
1,2-Dibromoethane	0.0266	U	0.593	0.752	84.7	107	28	14.0-145			23.6	28
Dibromomethane	0.0266	U	0.591	0.761	84.4	109	28	18.0-144			25.2	27
1,2-Dichlorobenzene	0.0266	U	0.599	0.729	85.6	104	28	10.0-153			19.5	34
1,3-Dichlorobenzene	0.0266	U	0.589	0.700	84.2	100	28	10.0-150			17.1	35
1,4-Dichlorobenzene	0.0266	U	0.569	0.669	81.3	95.6	28	10.0-148			16.2	34
trans-1,4-Dichloro-2-butene	0.0266		0.611	0.862	87.2	123	28	10.0-160			34.1	40
Dichlorodifluoromethane	0.0266	U	0.503	0.635	71.9	90.7	28	10.0-160			23.2	30
1,1-Dichloroethane	0.0266	U	0.598	0.740	85.4	106	28	19.0-148			21.3	28
1,2-Dichloroethane	0.0266	U	0.589	0.737	84.1	105	28	17.0-147			22.3	27
1,1-Dichloroethene	0.0266	U	0.533	0.679	76.1	97.0	28	10.0-150			24.1	31
cis-1,2-Dichloroethene	0.0266	U	0.582	0.731	83.1	104	28	16.0-145			22.7	28
trans-1,2-Dichloroethene	0.0266	U	0.533	0.653	76.1	93.2	28	11.0-142			20.2	29
1,2-Dichloropropane	0.0266	U	0.630	0.778	90.0	111	28	17.0-148			21.0	28
1,1-Dichloropropene	0.0266	U	0.527	0.651	75.3	93.0	28	10.0-150			21.1	30
1,3-Dichloropropane	0.0266	U	0.601	0.763	85.9	109	28	16.0-148			23.7	27
cis-1,3-Dichloropropene	0.0266	U	0.605	0.734	86.4	105	28	13.0-150			19.2	28
trans-1,3-Dichloropropene	0.0266	U	0.598	0.752	85.4	107	28	10.0-152			22.9	29
2,2-Dichloropropane	0.0266	U	0.559	0.678	79.9	96.9	28	16.0-143			19.3	30
Di-isopropyl ether	0.0266	U	0.621	0.782	88.8	112	28	16.0-149			22.9	28

L983078-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983078-01 04/08/18 13:16 • (MS) R3300096-4 04/08/18 20:13 • (MSD) R3300096-5 04/08/18 20:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0266	U	0.617	0.739	88.2	106	28	10.0-147			18.0	31
Hexachloro-1,3-butadiene	0.0266	U	0.561	0.585	80.1	83.5	28	10.0-154			4.17	40
2-Hexanone	0.133		3.61	5.33	103	152	28	12.0-158		J3	38.6	30
n-Hexane	0.0266		0.424	0.533	60.5	76.2	28	10.0-140			22.9	34
Iodomethane	0.133		2.67	3.30	76.4	94.4	28	10.0-157			21.1	34
Isopropylbenzene	0.0266	U	0.620	0.720	88.6	103	28	10.0-147			14.9	33
p-Isopropyltoluene	0.0266	0.204	0.799	0.908	85.0	101	28	10.0-156			12.8	37
2-Butanone (MEK)	0.133	U	3.84	5.79	110	165	28	10.0-160		J3 J5	40.5	33
Methylene Chloride	0.0266	U	0.560	0.689	80.1	98.5	28	16.0-139			20.7	29
4-Methyl-2-pentanone (MIBK)	0.133	U	3.14	4.53	89.6	129	28	12.0-160		J3	36.3	32
Methyl tert-butyl ether	0.0266	U	0.613	0.846	87.6	121	28	21.0-145		J3	31.9	29
Naphthalene	0.0266	U	0.561	0.743	80.1	106	28	10.0-153			27.9	36
n-Propylbenzene	0.0266	U	0.589	0.694	84.1	99.2	28	10.0-151			16.5	34
Styrene	0.0266	U	0.636	0.766	90.8	109	28	10.0-155			18.5	34
1,1,1,2-Tetrachloroethane	0.0266	U	0.656	0.785	93.7	112	28	10.0-147			17.9	30
1,1,2,2-Tetrachloroethane	0.0266	U	0.529	0.699	75.6	99.9	28	10.0-155			27.6	31
Tetrachloroethene	0.0266	U	0.589	0.689	84.1	98.4	28	10.0-144			15.6	32
Toluene	0.0266	U	0.573	0.688	81.8	98.3	28	10.0-144			18.3	28
1,1,2-Trichlorotrifluoroethane	0.0266	U	0.609	0.750	86.9	107	28	10.0-153			20.8	33
1,2,3-Trichlorobenzene	0.0266	U	0.568	0.686	81.1	97.9	28	10.0-153			18.8	40
1,2,4-Trichlorobenzene	0.0266	U	0.544	0.648	77.7	92.6	28	10.0-156			17.5	40
1,1,1-Trichloroethane	0.0266	U	0.609	0.748	87.0	107	28	18.0-145			20.6	29
1,1,2-Trichloroethane	0.0266	U	0.604	0.758	86.2	108	28	12.0-151			22.7	28
Trichloroethene	0.0266	U	0.651	0.785	93.0	112	28	11.0-148			18.6	29
Trichlorofluoromethane	0.0266	U	0.244	0.264	34.9	37.8	28	10.0-157			7.97	34
1,2,3-Trichloropropane	0.0266	U	0.569	0.761	81.3	109	28	10.0-154			29.0	32
1,2,3-Trimethylbenzene	0.0266	U	0.614	0.720	87.7	103	28	10.0-150			15.9	33
1,2,4-Trimethylbenzene	0.0266	0.0144	0.613	0.720	85.6	101	28	10.0-151			16.0	34
1,3,5-Trimethylbenzene	0.0266	U	0.615	0.711	87.9	102	28	10.0-150			14.5	33
Vinyl acetate	0.133		0.369	0.383	10.6	10.9	28	10.0-160			3.52	40
Vinyl chloride	0.0266	U	0.460	0.561	65.7	80.1	28	10.0-150			19.7	29
Xylenes, Total	0.0798	U	1.88	2.23	89.3	106	28	10.0-150			17.3	31
(S) Toluene-d8					*105*	*104*		*80.0-120*				
(S) Dibromofluoromethane					*90.7*	*93.1*		*74.0-131*				
(S) 4-Bromofluorobenzene					*91.1*	*90.6*		*64.0-132*				

Sample Narrative:

OS: Dilution due to matrix

Method Blank (MB)

(MB) R3300218-3 04/06/18 17:37

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

Method Blank (MB)

(MB) R3300218-3 04/06/18 17:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*96.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*97.5*			*64.0-132*

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

(LCS) R3300218-1 04/06/18 16:32 • (LCSD) R3300218-2 04/06/18 16:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.104	0.131	83.0	104	11.0-160			22.9	23
Acrylonitrile	0.125	0.133	0.156	106	125	61.0-143			16.3	20
Benzene	0.0250	0.0258	0.0264	103	106	71.0-124			2.60	20
Bromobenzene	0.0250	0.0262	0.0267	105	107	78.0-120			2.02	20
Bromodichloromethane	0.0250	0.0273	0.0280	109	112	75.0-120			2.49	20
Bromochloromethane	0.0250	0.0273	0.0282	109	113	80.0-121			3.12	20
Bromoform	0.0250	0.0260	0.0295	104	118	65.0-133			12.9	20
Bromomethane	0.0250	0.0246	0.0251	98.4	100	26.0-160			2.00	20
n-Butylbenzene	0.0250	0.0280	0.0280	112	112	73.0-126			0.0557	20
sec-Butylbenzene	0.0250	0.0276	0.0274	110	110	75.0-121			0.520	20
tert-Butylbenzene	0.0250	0.0278	0.0282	111	113	74.0-122			1.24	20
Carbon disulfide	0.0250	0.0252	0.0266	101	106	53.0-130			5.50	20
Carbon tetrachloride	0.0250	0.0255	0.0261	102	105	66.0-123			2.36	20
Chlorobenzene	0.0250	0.0290	0.0292	116	117	79.0-121			0.778	20
Chlorodibromomethane	0.0250	0.0281	0.0297	113	119	74.0-128			5.28	20
Chloroethane	0.0250	0.0238	0.0247	95.2	98.8	51.0-147			3.75	20
Chloroform	0.0250	0.0273	0.0272	109	109	73.0-123			0.459	20
Chloromethane	0.0250	0.0243	0.0248	97.0	99.0	51.0-138			2.03	20
2-Chlorotoluene	0.0250	0.0272	0.0279	109	111	72.0-124			2.39	20
4-Chlorotoluene	0.0250	0.0267	0.0268	107	107	78.0-120			0.683	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0250	0.0294	100	118	65.0-126			16.1	20
1,2-Dibromoethane	0.0250	0.0270	0.0304	108	122	78.0-122			12.0	20
Dibromomethane	0.0250	0.0261	0.0283	104	113	79.0-120			8.35	20
1,2-Dichlorobenzene	0.0250	0.0282	0.0293	113	117	80.0-120			3.77	20
1,3-Dichlorobenzene	0.0250	0.0280	0.0286	112	114	72.0-123			1.98	20
1,4-Dichlorobenzene	0.0250	0.0267	0.0276	107	110	77.0-120			3.16	20
trans-1,4-Dichloro-2-butene	0.0250	0.0259	0.0311	104	124	68.0-126			18.1	20
Dichlorodifluoromethane	0.0250	0.0240	0.0248	96.1	99.2	49.0-155			3.22	20
1,1-Dichloroethane	0.0250	0.0278	0.0284	111	114	70.0-128			2.17	20
1,2-Dichloroethane	0.0250	0.0261	0.0280	105	112	69.0-128			6.93	20
1,1-Dichloroethene	0.0250	0.0271	0.0276	108	110	63.0-131			1.97	20
cis-1,2-Dichloroethene	0.0250	0.0271	0.0275	108	110	74.0-123			1.56	20
trans-1,2-Dichloroethene	0.0250	0.0269	0.0282	108	113	72.0-122			4.55	20
1,2-Dichloropropane	0.0250	0.0287	0.0292	115	117	75.0-126			1.69	20
1,1-Dichloropropene	0.0250	0.0259	0.0274	104	110	72.0-130			5.58	20
1,3-Dichloropropane	0.0250	0.0271	0.0292	108	117	80.0-121			7.60	20
cis-1,3-Dichloropropene	0.0250	0.0278	0.0291	111	117	80.0-125			4.91	20
trans-1,3-Dichloropropene	0.0250	0.0280	0.0299	112	120	75.0-129			6.62	20
2,2-Dichloropropane	0.0250	0.0271	0.0275	108	110	60.0-129			1.53	20
Di-isopropyl ether	0.0250	0.0283	0.0289	113	116	62.0-133			2.07	20

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

(LCS) R3300218-1 04/06/18 16:32 • (LCSD) R3300218-2 04/06/18 16:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0288	0.0291	115	116	77.0-120			0.936	20
Hexachloro-1,3-butadiene	0.0250	0.0310	0.0301	124	120	68.0-128			3.26	20
2-Hexanone	0.125	0.135	0.166	108	133	61.0-143		J3	20.7	20
n-Hexane	0.0250	0.0252	0.0261	101	104	57.0-125			3.50	20
Iodomethane	0.125	0.140	0.143	112	114	67.0-132			2.31	20
Isopropylbenzene	0.0250	0.0272	0.0277	109	111	75.0-120			1.59	20
p-Isopropyltoluene	0.0250	0.0291	0.0288	116	115	74.0-125			0.787	20
2-Butanone (MEK)	0.125	0.115	0.151	92.4	121	37.0-159		J3	26.7	20
Methylene Chloride	0.0250	0.0263	0.0274	105	110	67.0-123			3.95	20
4-Methyl-2-pentanone (MIBK)	0.125	0.137	0.169	110	135	60.0-144		J3	20.9	20
Methyl tert-butyl ether	0.0250	0.0269	0.0295	108	118	66.0-125			9.36	20
Naphthalene	0.0250	0.0259	0.0295	103	118	64.0-125			13.0	20
n-Propylbenzene	0.0250	0.0270	0.0275	108	110	78.0-120			1.93	20
Styrene	0.0250	0.0275	0.0283	110	113	78.0-124			2.97	20
1,1,1,2-Tetrachloroethane	0.0250	0.0307	0.0304	123	122	74.0-124			0.674	20
1,1,2,2-Tetrachloroethane	0.0250	0.0248	0.0287	99.4	115	73.0-120			14.5	20
Tetrachloroethene	0.0250	0.0288	0.0291	115	116	70.0-127			1.03	20
Toluene	0.0250	0.0272	0.0273	109	109	77.0-120			0.538	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0274	0.0290	109	116	64.0-135			5.71	20
1,2,3-Trichlorobenzene	0.0250	0.0284	0.0297	114	119	68.0-126			4.41	20
1,2,4-Trichlorobenzene	0.0250	0.0282	0.0285	113	114	70.0-127			1.09	20
1,1,1-Trichloroethane	0.0250	0.0267	0.0276	107	110	69.0-125			3.00	20
1,1,2-Trichloroethane	0.0250	0.0270	0.0291	108	116	78.0-120			7.20	20
Trichloroethene	0.0250	0.0288	0.0296	115	119	79.0-120			2.91	20
Trichlorofluoromethane	0.0250	0.0251	0.0262	101	105	59.0-136			3.95	20
1,2,3-Trichloropropane	0.0250	0.0246	0.0285	98.5	114	73.0-124			14.6	20
1,2,3-Trimethylbenzene	0.0250	0.0274	0.0275	109	110	76.0-120			0.612	20
1,2,4-Trimethylbenzene	0.0250	0.0275	0.0279	110	111	75.0-120			1.30	20
1,3,5-Trimethylbenzene	0.0250	0.0279	0.0281	112	112	75.0-120			0.659	20
Vinyl acetate	0.125	0.122	0.137	97.7	110	58.0-156			11.8	20
Vinyl chloride	0.0250	0.0263	0.0270	105	108	63.0-134			2.74	20
Xylenes, Total	0.0750	0.0896	0.0893	119	119	77.0-120	J4		0.335	20
(S) Toluene-d8				*109*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*93.0*	*94.7*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.3*	*91.2*	*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

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

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

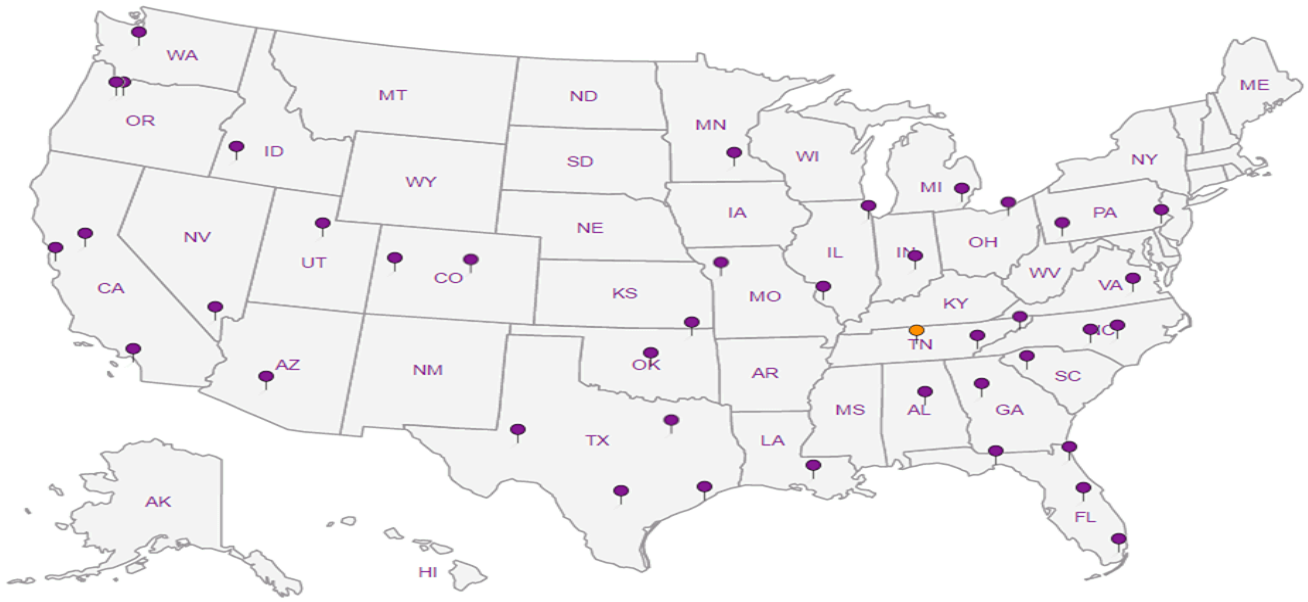
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-239-5	Grab	SS	5	4-3-18	0830	5	X	X		01
B-239-10		SS	10		0838					02
B-239-15		SS	15		0844					03
B-239-20		SS	20		0851					04
B-239-25		SS	25		0857					05
B-239-30		SS	30		(RD) 0901					06
B-239-35		SS	35		0904					07 06
B-239-40		SS	40		0920					08 07
B-239-45		SS	45		0933					09 09
B-239-50	X	SS	50		0939					10 09

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 983357

Table #

Acctnum: PESENVSWA

Template: T134174

Prelogin: P645191

TSR: 110 - Brian Ford

PB:

Shipped Via: FedEx Ground

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 4269 9216 3059

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
R.T. McLaughlin	4-4-18	1600		1
Relinquished By : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 25 °C Bottles Received: 80
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/5/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: Seattle WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Dan Johnson

Site/Facility ID #

P.O. #

Collected by (signature): Dan Johnson

Immediately Packed on Ice N X Y ___

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

Date Results Needed

Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix* (RM)	Depth	Date	Time	No. of Cntrs	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOCs V8260C 40ml/NaHS04/Syr/MeOH	dry wt, voc screen 2ozClr-NoPres	NWTPH GX 40mlAmb HCl	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
B-239-55	Grab	~~SS~~ SS	55	4-3-18	0956	5		X	X				-10
B-239-60		SS	60		1009								-11
B-239-65		SS	65		1017								-12
B-239-70		SS	70		1038								-13
B-239-75		SS	75		1049								-14
B-239-80		SS	80		1101								15
B-909-50	X	SS	50	X		X		X	X				-16
Trip Blank	X	~~SS~~	—	12-11-17	—	1		X					-17
		SS											
		SS											

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
a subsidiary of Accelerated

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

L# 983357

Table #

Acctnum: PESENVSWA
Template: T134189
Prelogin: P645236
TSR: 110 - Brian Ford
PB: 3-22-18
Shipped Via: FedEX Ground

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
R.T. McVaugh	4-4-18	1600		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.5 °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Kathryn Coon	Date: 4/5/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Matthew Lockhart

ESC Lab Sciences
Non-Conformance Form

Login #:983357	Client:PESENVSWA	Date:04/05/18	Evaluated by: Matthew Lockhart

Non-Conformance (check applicable items)

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

Login Comments:Did not receive B-239-30

Client informed by:		Call		Email	x	Voice Mail		Date:04/05/18	Time:1545
TSR Initials:bjf	Client Contact: PMs								

Login Instructions:

Proceed without B-239-30

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0119	0.0595	1	04/08/2018 17:05	WG1094657
Acrylonitrile	U		0.00213	0.0119	1	04/08/2018 17:05	WG1094657
Benzene	U		0.000321	0.00119	1	04/08/2018 17:05	WG1094657
Bromobenzene	U		0.000338	0.00119	1	04/08/2018 17:05	WG1094657
Bromodichloromethane	U		0.000302	0.00119	1	04/08/2018 17:05	WG1094657
Bromochloromethane	U		0.000464	0.00595	1	04/08/2018 17:05	WG1094657
Bromoform	U		0.000504	0.00119	1	04/08/2018 17:05	WG1094657
Bromomethane	U		0.00159	0.00595	1	04/08/2018 17:05	WG1094657
n-Butylbenzene	U		0.000307	0.00119	1	04/08/2018 17:05	WG1094657
sec-Butylbenzene	U		0.000239	0.00119	1	04/08/2018 17:05	WG1094657
tert-Butylbenzene	U		0.000245	0.00119	1	04/08/2018 17:05	WG1094657
Carbon disulfide	U		0.000263	0.00119	1	04/08/2018 17:05	WG1094657
Carbon tetrachloride	U		0.000390	0.00119	1	04/08/2018 17:05	WG1094657
Chlorobenzene	U		0.000252	0.00119	1	04/08/2018 17:05	WG1094657
Chlorodibromomethane	U		0.000444	0.00119	1	04/08/2018 17:05	WG1094657
Chloroethane	U		0.00113	0.00595	1	04/08/2018 17:05	WG1094657
Chloroform	U		0.000272	0.00595	1	04/08/2018 17:05	WG1094657
Chloromethane	U		0.000446	0.00297	1	04/08/2018 17:05	WG1094657
2-Chlorotoluene	U		0.000358	0.00119	1	04/08/2018 17:05	WG1094657
4-Chlorotoluene	U		0.000286	0.00119	1	04/08/2018 17:05	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00595	1	04/08/2018 17:05	WG1094657
1,2-Dibromoethane	U		0.000408	0.00119	1	04/08/2018 17:05	WG1094657
Dibromomethane	U		0.000454	0.00119	1	04/08/2018 17:05	WG1094657
1,2-Dichlorobenzene	U		0.000363	0.00119	1	04/08/2018 17:05	WG1094657
1,3-Dichlorobenzene	U		0.000284	0.00119	1	04/08/2018 17:05	WG1094657
1,4-Dichlorobenzene	U		0.000269	0.00119	1	04/08/2018 17:05	WG1094657
Dichlorodifluoromethane	U		0.000848	0.00595	1	04/08/2018 17:05	WG1094657
1,1-Dichloroethane	U		0.000237	0.00119	1	04/08/2018 17:05	WG1094657
1,2-Dichloroethane	U		0.000315	0.00119	1	04/08/2018 17:05	WG1094657
1,1-Dichloroethene	U		0.000360	0.00119	1	04/08/2018 17:05	WG1094657
cis-1,2-Dichloroethene	0.0107		0.000280	0.00119	1	04/09/2018 15:50	WG1094657
trans-1,2-Dichloroethene	U		0.000314	0.00119	1	04/08/2018 17:05	WG1094657
1,2-Dichloropropane	U		0.000426	0.00119	1	04/08/2018 17:05	WG1094657
1,1-Dichloropropene	U		0.000377	0.00119	1	04/08/2018 17:05	WG1094657
1,3-Dichloropropane	U		0.000246	0.00119	1	04/08/2018 17:05	WG1094657
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	04/08/2018 17:05	WG1094657
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	04/08/2018 17:05	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000926	0.00297	1	04/08/2018 17:05	WG1094657
2,2-Dichloropropane	U		0.000332	0.00119	1	04/08/2018 17:05	WG1094657
Di-isopropyl ether	U		0.000295	0.00119	1	04/08/2018 17:05	WG1094657
Ethylbenzene	U		0.000353	0.00119	1	04/08/2018 17:05	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000407	0.00119	1	04/08/2018 17:05	WG1094657
2-Hexanone	U		0.00163	0.0119	1	04/08/2018 17:05	WG1094657
n-Hexane	U		0.000345	0.0119	1	04/08/2018 17:05	WG1094657
Iodomethane	U		0.00301	0.0119	1	04/08/2018 17:05	WG1094657
Isopropylbenzene	U		0.000289	0.00119	1	04/08/2018 17:05	WG1094657
p-Isopropyltoluene	U		0.000243	0.00119	1	04/08/2018 17:05	WG1094657
2-Butanone (MEK)	U		0.00557	0.0119	1	04/08/2018 17:05	WG1094657
Methylene Chloride	U		0.00119	0.00595	1	04/08/2018 17:05	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	04/08/2018 17:05	WG1094657

JC 4/25/18

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000252	0.00119	1	04/08/2018 17:05	WG1094657
Naphthalene	U		0.00119	0.00595	1	04/08/2018 17:05	WG1094657
n-Propylbenzene	U		0.000245	0.00119	1	04/08/2018 17:05	WG1094657
Styrene	U		0.000278	0.00119	1	04/08/2018 17:05	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000314	0.00119	1	04/08/2018 17:05	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000434	0.00119	1	04/08/2018 17:05	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000434	0.00119	1	04/08/2018 17:05	WG1094657
Tetrachloroethene	0.0292		0.000328	0.00119	1	04/09/2018 15:50	WG1094657
Toluene	U		0.000516	0.00595	1	04/08/2018 17:05	WG1094657
1,2,3-Trichlorobenzene	U		0.000364	0.00119	1	04/08/2018 17:05	WG1094657
1,2,4-Trichlorobenzene	U		0.000462	0.00119	1	04/08/2018 17:05	WG1094657
1,1,1-Trichloroethane	U		0.000340	0.00119	1	04/08/2018 17:05	WG1094657
1,1,2-Trichloroethane	U		0.000330	0.00119	1	04/08/2018 17:05	WG1094657
Trichloroethene	0.00590		0.000332	0.00119	1	04/09/2018 15:50	WG1094657
Trichlorofluoromethane	U		0.000454	0.00595	1	04/08/2018 17:05	WG1094657
1,2,3-Trichloropropane	U		0.000881	0.00297	1	04/08/2018 17:05	WG1094657
1,2,4-Trimethylbenzene	U		0.000251	0.00119	1	04/08/2018 17:05	WG1094657
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	04/08/2018 17:05	WG1094657
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	04/08/2018 17:05	WG1094657
Vinyl acetate	U		0.00284	0.0119	1	04/08/2018 17:05	WG1094657
Vinyl chloride	U		0.000346	0.00119	1	04/08/2018 17:05	WG1094657
Xylenes, Total	U		0.000830	0.00357	1	04/08/2018 17:05	WG1094657
(S) Toluene-d8	*103*			*80.0-120*		*04/09/2018 15:50*	WG1094657
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 17:05*	WG1094657
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*04/08/2018 17:05*	WG1094657
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/09/2018 15:50*	WG1094657
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*04/08/2018 17:05*	WG1094657
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*04/09/2018 15:50*	WG1094657

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0118	0.0590	1	04/08/2018 17:26	WG1094657
Acrylonitrile	U		0.00211	0.0118	1	04/08/2018 17:26	WG1094657
Benzene	U		0.000319	0.00118	1	04/08/2018 17:26	WG1094657
Bromobenzene	U		0.000335	0.00118	1	04/08/2018 17:26	WG1094657
Bromodichloromethane	U		0.000300	0.00118	1	04/08/2018 17:26	WG1094657
Bromochloromethane	U		0.000460	0.00590	1	04/08/2018 17:26	WG1094657
Bromoform	U		0.000500	0.00118	1	04/08/2018 17:26	WG1094657
Bromomethane	U		0.00158	0.00590	1	04/08/2018 17:26	WG1094657
n-Butylbenzene	U		0.000304	0.00118	1	04/08/2018 17:26	WG1094657
sec-Butylbenzene	U		0.000237	0.00118	1	04/08/2018 17:26	WG1094657
tert-Butylbenzene	U		0.000243	0.00118	1	04/08/2018 17:26	WG1094657
Carbon disulfide	0.000271 J	J	0.000261	0.00118	1	04/08/2018 17:26	WG1094657
Carbon tetrachloride	U		0.000387	0.00118	1	04/08/2018 17:26	WG1094657
Chlorobenzene	U		0.000250	0.00118	1	04/08/2018 17:26	WG1094657
Chlorodibromomethane	U		0.000440	0.00118	1	04/08/2018 17:26	WG1094657
Chloroethane	U		0.00112	0.00590	1	04/08/2018 17:26	WG1094657
Chloroform	U		0.000270	0.00590	1	04/08/2018 17:26	WG1094657
Chloromethane	U		0.000442	0.00295	1	04/08/2018 17:26	WG1094657
2-Chlorotoluene	U		0.000355	0.00118	1	04/08/2018 17:26	WG1094657
4-Chlorotoluene	U		0.000283	0.00118	1	04/08/2018 17:26	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00590	1	04/08/2018 17:26	WG1094657
1,2-Dibromoethane	U		0.000405	0.00118	1	04/08/2018 17:26	WG1094657
Dibromomethane	U		0.000451	0.00118	1	04/08/2018 17:26	WG1094657
1,2-Dichlorobenzene	U		0.000360	0.00118	1	04/08/2018 17:26	WG1094657
1,3-Dichlorobenzene	U		0.000282	0.00118	1	04/08/2018 17:26	WG1094657
1,4-Dichlorobenzene	U		0.000267	0.00118	1	04/08/2018 17:26	WG1094657
Dichlorodifluoromethane	U		0.000841	0.00590	1	04/08/2018 17:26	WG1094657
1,1-Dichloroethane	U		0.000235	0.00118	1	04/08/2018 17:26	WG1094657
1,2-Dichloroethane	U		0.000313	0.00118	1	04/08/2018 17:26	WG1094657
1,1-Dichloroethene	0.000934 J	J	0.000357	0.00118	1	04/08/2018 17:26	WG1094657
cis-1,2-Dichloroethene	0.0366		0.000277	0.00118	1	04/08/2018 17:26	WG1094657
trans-1,2-Dichloroethene	0.000619 J	J	0.000311	0.00118	1	04/08/2018 17:26	WG1094657
1,2-Dichloropropane	U		0.000422	0.00118	1	04/08/2018 17:26	WG1094657
1,1-Dichloropropene	U		0.000374	0.00118	1	04/08/2018 17:26	WG1094657
1,3-Dichloropropane	U		0.000244	0.00118	1	04/08/2018 17:26	WG1094657
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	04/08/2018 17:26	WG1094657
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	04/08/2018 17:26	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000918	0.00295	1	04/08/2018 17:26	WG1094657
2,2-Dichloropropane	U		0.000329	0.00118	1	04/08/2018 17:26	WG1094657
Di-isopropyl ether	U		0.000293	0.00118	1	04/08/2018 17:26	WG1094657
Ethylbenzene	U		0.000350	0.00118	1	04/08/2018 17:26	WG1094657 JC 4/25/18
Hexachloro-1,3-butadiene	U	J4	0.000404	0.00118	1	04/08/2018 17:26	WG1094657
2-Hexanone	U		0.00162	0.0118	1	04/08/2018 17:26	WG1094657
n-Hexane	U		0.000342	0.0118	1	04/08/2018 17:26	WG1094657
Iodomethane	U		0.00298	0.0118	1	04/08/2018 17:26	WG1094657
Isopropylbenzene	U		0.000287	0.00118	1	04/08/2018 17:26	WG1094657
p-Isopropyltoluene	U		0.000241	0.00118	1	04/08/2018 17:26	WG1094657
2-Butanone (MEK)	U		0.00552	0.0118	1	04/08/2018 17:26	WG1094657
Methylene Chloride	U		0.00118	0.00590	1	04/08/2018 17:26	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	04/08/2018 17:26	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000250	0.00118	1	04/08/2018 17:26	WG1094657
Naphthalene	U		0.00118	0.00590	1	04/08/2018 17:26	WG1094657
n-Propylbenzene	U		0.000243	0.00118	1	04/08/2018 17:26	WG1094657
Styrene	U		0.000276	0.00118	1	04/08/2018 17:26	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	04/08/2018 17:26	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	04/08/2018 17:26	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	04/08/2018 17:26	WG1094657
Tetrachloroethene	0.509		0.00814	0.0295	25	04/09/2018 17:56	WG1094657
Toluene	U		0.000512	0.00590	1	04/08/2018 17:26	WG1094657
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	04/08/2018 17:26	WG1094657
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	04/08/2018 17:26	WG1094657
1,1,1-Trichloroethane	U		0.000337	0.00118	1	04/08/2018 17:26	WG1094657
1,1,2-Trichloroethane	U		0.000327	0.00118	1	04/08/2018 17:26	WG1094657
Trichloroethene	0.104		0.000329	0.00118	1	04/08/2018 17:26	WG1094657
Trichlorofluoromethane	U		0.000451	0.00590	1	04/08/2018 17:26	WG1094657
1,2,3-Trichloropropane	U		0.000874	0.00295	1	04/08/2018 17:26	WG1094657
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	04/08/2018 17:26	WG1094657
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	04/08/2018 17:26	WG1094657
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	04/08/2018 17:26	WG1094657
Vinyl acetate	U		0.00282	0.0118	1	04/08/2018 17:26	WG1094657
Vinyl chloride	0.0159		0.000343	0.00118	1	04/08/2018 17:26	WG1094657
Xylenes, Total	U		0.000824	0.00354	1	04/08/2018 17:26	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 17:26*	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 17:56*	WG1094657
(S) Dibromofluoromethane	*94.3*			*74.0-131*		*04/09/2018 17:56*	WG1094657
(S) Dibromofluoromethane	*98.7*			*74.0-131*		*04/08/2018 17:26*	WG1094657
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*04/08/2018 17:26*	WG1094657
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*04/09/2018 17:56*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0122 J	J	0.0114	0.0569	1	04/08/2018 17:47	WG1094657	
Acrylonitrile	U		0.00204	0.0114	1	04/08/2018 17:47	WG1094657	
Benzene	U		0.000307	0.00114	1	04/08/2018 17:47	WG1094657	
Bromobenzene	U		0.000323	0.00114	1	04/08/2018 17:47	WG1094657	
Bromodichloromethane	U		0.000289	0.00114	1	04/08/2018 17:47	WG1094657	
Bromochloromethane	U		0.000444	0.00569	1	04/08/2018 17:47	WG1094657	
Bromoform	U		0.000483	0.00114	1	04/08/2018 17:47	WG1094657	
Bromomethane	U		0.00153	0.00569	1	04/08/2018 17:47	WG1094657	
n-Butylbenzene	U		0.000294	0.00114	1	04/08/2018 17:47	WG1094657	
sec-Butylbenzene	U		0.000229	0.00114	1	04/08/2018 17:47	WG1094657	
tert-Butylbenzene	U		0.000235	0.00114	1	04/08/2018 17:47	WG1094657	
Carbon disulfide	0.000467 J	J	0.000252	0.00114	1	04/08/2018 17:47	WG1094657	
Carbon tetrachloride	U		0.000373	0.00114	1	04/08/2018 17:47	WG1094657	
Chlorobenzene	U		0.000241	0.00114	1	04/08/2018 17:47	WG1094657	
Chlorodibromomethane	U		0.000425	0.00114	1	04/08/2018 17:47	WG1094657	
Chloroethane	U		0.00108	0.00569	1	04/08/2018 17:47	WG1094657	
Chloroform	U		0.000261	0.00569	1	04/08/2018 17:47	WG1094657	
Chloromethane	U		0.000427	0.00285	1	04/08/2018 17:47	WG1094657	
2-Chlorotoluene	U		0.000343	0.00114	1	04/08/2018 17:47	WG1094657	
4-Chlorotoluene	U		0.000273	0.00114	1	04/08/2018 17:47	WG1094657	
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00569	1	04/08/2018 17:47	WG1094657	
1,2-Dibromoethane	U		0.000391	0.00114	1	04/08/2018 17:47	WG1094657	
Dibromomethane	U		0.000435	0.00114	1	04/08/2018 17:47	WG1094657	
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/08/2018 17:47	WG1094657	
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/08/2018 17:47	WG1094657	
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/08/2018 17:47	WG1094657	
Dichlorodifluoromethane	U		0.000812	0.00569	1	04/08/2018 17:47	WG1094657	
1,1-Dichloroethane	U		0.000227	0.00114	1	04/08/2018 17:47	WG1094657	
1,2-Dichloroethane	U		0.000302	0.00114	1	04/08/2018 17:47	WG1094657	
1,1-Dichloroethene	0.000355 J	J	0.000345	0.00114	1	04/08/2018 17:47	WG1094657	
cis-1,2-Dichloroethene	0.0187		0.000268	0.00114	1	04/08/2018 17:47	WG1094657	
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	04/08/2018 17:47	WG1094657	
1,2-Dichloropropane	U		0.000408	0.00114	1	04/08/2018 17:47	WG1094657	
1,1-Dichloropropene	U		0.000361	0.00114	1	04/08/2018 17:47	WG1094657	
1,3-Dichloropropane	U		0.000236	0.00114	1	04/08/2018 17:47	WG1094657	
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/08/2018 17:47	WG1094657	
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	04/08/2018 17:47	WG1094657	
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	04/08/2018 17:47	WG1094657	
2,2-Dichloropropane	U		0.000318	0.00114	1	04/08/2018 17:47	WG1094657	
Di-isopropyl ether	U		0.000282	0.00114	1	04/08/2018 17:47	WG1094657	JC 4/25/18
Ethylbenzene	U		0.000338	0.00114	1	04/08/2018 17:47	WG1094657	
Hexachloro-1,3-butadiene	U	J4	0.000389	0.00114	1	04/08/2018 17:47	WG1094657	
2-Hexanone	U		0.00156	0.0114	1	04/08/2018 17:47	WG1094657	
n-Hexane	U		0.000330	0.0114	1	04/08/2018 17:47	WG1094657	
Iodomethane	U		0.00288	0.0114	1	04/08/2018 17:47	WG1094657	
Isopropylbenzene	U		0.000277	0.00114	1	04/08/2018 17:47	WG1094657	
p-Isopropyltoluene	U		0.000232	0.00114	1	04/08/2018 17:47	WG1094657	
2-Butanone (MEK)	U		0.00533	0.0114	1	04/08/2018 17:47	WG1094657	
Methylene Chloride	U		0.00114	0.00569	1	04/08/2018 17:47	WG1094657	
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/08/2018 17:47	WG1094657	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/08/2018 17:47	WG1094657
Naphthalene	U		0.00114	0.00569	1	04/08/2018 17:47	WG1094657
n-Propylbenzene	U		0.000235	0.00114	1	04/08/2018 17:47	WG1094657
Styrene	U		0.000266	0.00114	1	04/08/2018 17:47	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	04/08/2018 17:47	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	04/08/2018 17:47	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	04/08/2018 17:47	WG1094657
Tetrachloroethene	0.133		0.000314	0.00114	1	04/08/2018 17:47	WG1094657
Toluene	U		0.000494	0.00569	1	04/08/2018 17:47	WG1094657
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/08/2018 17:47	WG1094657
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	04/08/2018 17:47	WG1094657
1,1,1-Trichloroethane	U		0.000326	0.00114	1	04/08/2018 17:47	WG1094657
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/08/2018 17:47	WG1094657
Trichloroethene	0.0428		0.000318	0.00114	1	04/08/2018 17:47	WG1094657
Trichlorofluoromethane	U		0.000435	0.00569	1	04/08/2018 17:47	WG1094657
1,2,3-Trichloropropane	U		0.000844	0.00285	1	04/08/2018 17:47	WG1094657
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/08/2018 17:47	WG1094657
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	04/08/2018 17:47	WG1094657
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	04/08/2018 17:47	WG1094657
Vinyl acetate	U		0.00272	0.0114	1	04/08/2018 17:47	WG1094657
Vinyl chloride	0.00479		0.000331	0.00114	1	04/08/2018 17:47	WG1094657
Xylenes, Total	U		0.000795	0.00342	1	04/08/2018 17:47	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 17:47*	WG1094657
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*04/08/2018 17:47*	WG1094657
(S) 4-Bromofluorobenzene	*98.1*			*64.0-132*		*04/08/2018 17:47*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0564	1	04/08/2018 18:07	WG1094657
Acrylonitrile	U		0.00202	0.0113	1	04/08/2018 18:07	WG1094657
Benzene	U		0.000305	0.00113	1	04/08/2018 18:07	WG1094657
Bromobenzene	U		0.000320	0.00113	1	04/08/2018 18:07	WG1094657
Bromodichloromethane	U		0.000287	0.00113	1	04/08/2018 18:07	WG1094657
Bromochloromethane	U		0.000440	0.00564	1	04/08/2018 18:07	WG1094657
Bromoform	U		0.000478	0.00113	1	04/08/2018 18:07	WG1094657
Bromomethane	U		0.00151	0.00564	1	04/08/2018 18:07	WG1094657
n-Butylbenzene	U		0.000291	0.00113	1	04/08/2018 18:07	WG1094657
sec-Butylbenzene	U		0.000227	0.00113	1	04/08/2018 18:07	WG1094657
tert-Butylbenzene	U		0.000232	0.00113	1	04/08/2018 18:07	WG1094657
Carbon disulfide	U		0.000249	0.00113	1	04/08/2018 18:07	WG1094657
Carbon tetrachloride	U		0.000370	0.00113	1	04/08/2018 18:07	WG1094657
Chlorobenzene	U		0.000239	0.00113	1	04/08/2018 18:07	WG1094657
Chlorodibromomethane	U		0.000421	0.00113	1	04/08/2018 18:07	WG1094657
Chloroethane	U		0.00107	0.00564	1	04/08/2018 18:07	WG1094657
Chloroform	U		0.000258	0.00564	1	04/08/2018 18:07	WG1094657
Chloromethane	U		0.000423	0.00282	1	04/08/2018 18:07	WG1094657
2-Chlorotoluene	U		0.000340	0.00113	1	04/08/2018 18:07	WG1094657
4-Chlorotoluene	U		0.000271	0.00113	1	04/08/2018 18:07	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	04/08/2018 18:07	WG1094657
1,2-Dibromoethane	U		0.000387	0.00113	1	04/08/2018 18:07	WG1094657
Dibromomethane	U		0.000431	0.00113	1	04/08/2018 18:07	WG1094657
1,2-Dichlorobenzene	U		0.000344	0.00113	1	04/08/2018 18:07	WG1094657
1,3-Dichlorobenzene	U		0.000270	0.00113	1	04/08/2018 18:07	WG1094657
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/08/2018 18:07	WG1094657
Dichlorodifluoromethane	U		0.000805	0.00564	1	04/08/2018 18:07	WG1094657
1,1-Dichloroethane	U		0.000225	0.00113	1	04/08/2018 18:07	WG1094657
1,2-Dichloroethane	U		0.000299	0.00113	1	04/08/2018 18:07	WG1094657
1,1-Dichloroethene	U		0.000342	0.00113	1	04/08/2018 18:07	WG1094657
cis-1,2-Dichloroethene	0.000649 J	J	0.000265	0.00113	1	04/08/2018 18:07	WG1094657
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	04/08/2018 18:07	WG1094657
1,2-Dichloropropane	U		0.000404	0.00113	1	04/08/2018 18:07	WG1094657
1,1-Dichloropropene	U		0.000358	0.00113	1	04/08/2018 18:07	WG1094657
1,3-Dichloropropane	U		0.000234	0.00113	1	04/08/2018 18:07	WG1094657
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	04/08/2018 18:07	WG1094657
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	04/08/2018 18:07	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	04/08/2018 18:07	WG1094657
2,2-Dichloropropane	U		0.000315	0.00113	1	04/08/2018 18:07	WG1094657
Di-isopropyl ether	U		0.000280	0.00113	1	04/08/2018 18:07	WG1094657
Ethylbenzene	U		0.000335	0.00113	1	04/08/2018 18:07	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000386	0.00113	1	04/08/2018 18:07	WG1094657
2-Hexanone	U		0.00155	0.0113	1	04/08/2018 18:07	WG1094657
n-Hexane	U		0.000327	0.0113	1	04/08/2018 18:07	WG1094657
Iodomethane	U		0.00286	0.0113	1	04/08/2018 18:07	WG1094657
Isopropylbenzene	U		0.000274	0.00113	1	04/08/2018 18:07	WG1094657
p-Isopropyltoluene	U		0.000230	0.00113	1	04/08/2018 18:07	WG1094657
2-Butanone (MEK)	U		0.00528	0.0113	1	04/08/2018 18:07	WG1094657
Methylene Chloride	U		0.00113	0.00564	1	04/08/2018 18:07	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/08/2018 18:07	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/08/2018 18:07	WG1094657
Naphthalene	U		0.00113	0.00564	1	04/08/2018 18:07	WG1094657
n-Propylbenzene	U		0.000232	0.00113	1	04/08/2018 18:07	WG1094657
Styrene	U		0.000264	0.00113	1	04/08/2018 18:07	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/08/2018 18:07	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	04/08/2018 18:07	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	04/08/2018 18:07	WG1094657
Tetrachloroethene	0.00688		0.000311	0.00113	1	04/08/2018 18:07	WG1094657
Toluene	U		0.000490	0.00564	1	04/08/2018 18:07	WG1094657
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	04/08/2018 18:07	WG1094657
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	04/08/2018 18:07	WG1094657
1,1,1-Trichloroethane	U		0.000323	0.00113	1	04/08/2018 18:07	WG1094657
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/08/2018 18:07	WG1094657
Trichloroethene	0.000781	J J	0.000315	0.00113	1	04/08/2018 18:07	WG1094657
Trichlorofluoromethane	U		0.000431	0.00564	1	04/08/2018 18:07	WG1094657
1,2,3-Trichloropropane	U		0.000836	0.00282	1	04/08/2018 18:07	WG1094657
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/08/2018 18:07	WG1094657
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	04/08/2018 18:07	WG1094657
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/08/2018 18:07	WG1094657
Vinyl acetate	U		0.00270	0.0113	1	04/08/2018 18:07	WG1094657
Vinyl chloride	U		0.000328	0.00113	1	04/08/2018 18:07	WG1094657
Xylenes, Total	U		0.000788	0.00339	1	04/08/2018 18:07	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 18:07*	WG1094657
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/08/2018 18:07*	WG1094657
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/08/2018 18:07*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0573	1	04/08/2018 18:28	WG1094657
Acrylonitrile	U		0.00205	0.0115	1	04/08/2018 18:28	WG1094657
Benzene	U		0.000309	0.00115	1	04/08/2018 18:28	WG1094657
Bromobenzene	U		0.000325	0.00115	1	04/08/2018 18:28	WG1094657
Bromodichloromethane	U		0.000291	0.00115	1	04/08/2018 18:28	WG1094657
Bromochloromethane	U		0.000447	0.00573	1	04/08/2018 18:28	WG1094657
Bromoform	U		0.000486	0.00115	1	04/08/2018 18:28	WG1094657
Bromomethane	U		0.00153	0.00573	1	04/08/2018 18:28	WG1094657
n-Butylbenzene	U		0.000296	0.00115	1	04/08/2018 18:28	WG1094657
sec-Butylbenzene	U		0.000230	0.00115	1	04/08/2018 18:28	WG1094657
tert-Butylbenzene	U		0.000236	0.00115	1	04/08/2018 18:28	WG1094657
Carbon disulfide	U		0.000253	0.00115	1	04/08/2018 18:28	WG1094657
Carbon tetrachloride	U		0.000376	0.00115	1	04/08/2018 18:28	WG1094657
Chlorobenzene	U		0.000243	0.00115	1	04/08/2018 18:28	WG1094657
Chlorodibromomethane	U		0.000427	0.00115	1	04/08/2018 18:28	WG1094657
Chloroethane	U		0.00108	0.00573	1	04/08/2018 18:28	WG1094657
Chloroform	U		0.000262	0.00573	1	04/08/2018 18:28	WG1094657
Chloromethane	U		0.000430	0.00286	1	04/08/2018 18:28	WG1094657
2-Chlorotoluene	U		0.000345	0.00115	1	04/08/2018 18:28	WG1094657
4-Chlorotoluene	U		0.000275	0.00115	1	04/08/2018 18:28	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	04/08/2018 18:28	WG1094657
1,2-Dibromoethane	U		0.000393	0.00115	1	04/08/2018 18:28	WG1094657
Dibromomethane	U		0.000438	0.00115	1	04/08/2018 18:28	WG1094657
1,2-Dichlorobenzene	U		0.000349	0.00115	1	04/08/2018 18:28	WG1094657
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/08/2018 18:28	WG1094657
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/08/2018 18:28	WG1094657
Dichlorodifluoromethane	U		0.000817	0.00573	1	04/08/2018 18:28	WG1094657
1,1-Dichloroethane	U		0.000228	0.00115	1	04/08/2018 18:28	WG1094657
1,2-Dichloroethane	U		0.000304	0.00115	1	04/08/2018 18:28	WG1094657
1,1-Dichloroethene	U		0.000347	0.00115	1	04/08/2018 18:28	WG1094657
cis-1,2-Dichloroethene	0.000411	J J	0.000269	0.00115	1	04/08/2018 18:28	WG1094657
trans-1,2-Dichloroethene	U		0.000302	0.00115	1	04/08/2018 18:28	WG1094657
1,2-Dichloropropane	U		0.000410	0.00115	1	04/08/2018 18:28	WG1094657
1,1-Dichloropropene	U		0.000363	0.00115	1	04/08/2018 18:28	WG1094657
1,3-Dichloropropane	U		0.000237	0.00115	1	04/08/2018 18:28	WG1094657
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	04/08/2018 18:28	WG1094657
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/08/2018 18:28	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	04/08/2018 18:28	WG1094657
2,2-Dichloropropane	U		0.000320	0.00115	1	04/08/2018 18:28	WG1094657
Di-isopropyl ether	U		0.000284	0.00115	1	04/08/2018 18:28	WG1094657
Ethylbenzene	U		0.000340	0.00115	1	04/08/2018 18:28	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000392	0.00115	1	04/08/2018 18:28	WG1094657
2-Hexanone	U		0.00157	0.0115	1	04/08/2018 18:28	WG1094657
n-Hexane	U		0.000332	0.0115	1	04/08/2018 18:28	WG1094657
Iodomethane	U		0.00290	0.0115	1	04/08/2018 18:28	WG1094657
Isopropylbenzene	U		0.000278	0.00115	1	04/08/2018 18:28	WG1094657
p-Isopropyltoluene	U		0.000234	0.00115	1	04/08/2018 18:28	WG1094657
2-Butanone (MEK)	U		0.00536	0.0115	1	04/08/2018 18:28	WG1094657
Methylene Chloride	U		0.00115	0.00573	1	04/08/2018 18:28	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	04/08/2018 18:28	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/08/2018 18:28	WG1094657
Naphthalene	U		0.00115	0.00573	1	04/08/2018 18:28	WG1094657
n-Propylbenzene	U		0.000236	0.00115	1	04/08/2018 18:28	WG1094657
Styrene	U		0.000268	0.00115	1	04/08/2018 18:28	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	04/08/2018 18:28	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	04/08/2018 18:28	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	04/08/2018 18:28	WG1094657
Tetrachloroethene	0.00259		0.000316	0.00115	1	04/08/2018 18:28	WG1094657
Toluene	U		0.000497	0.00573	1	04/08/2018 18:28	WG1094657
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/08/2018 18:28	WG1094657
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	04/08/2018 18:28	WG1094657
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/08/2018 18:28	WG1094657
1,1,2-Trichloroethane	U		0.000317	0.00115	1	04/08/2018 18:28	WG1094657
Trichloroethene	0.000327	J J	0.000320	0.00115	1	04/08/2018 18:28	WG1094657
Trichlorofluoromethane	U		0.000438	0.00573	1	04/08/2018 18:28	WG1094657
1,2,3-Trichloropropane	U		0.000849	0.00286	1	04/08/2018 18:28	WG1094657
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/08/2018 18:28	WG1094657
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/08/2018 18:28	WG1094657
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/08/2018 18:28	WG1094657
Vinyl acetate	U		0.00274	0.0115	1	04/08/2018 18:28	WG1094657
Vinyl chloride	U		0.000333	0.00115	1	04/08/2018 18:28	WG1094657
Xylenes, Total	U		0.000800	0.00344	1	04/08/2018 18:28	WG1094657
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 18:28*	WG1094657
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*04/08/2018 18:28*	WG1094657
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*04/08/2018 18:28*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0108	0.0541	1	04/08/2018 18:49	WG1094657
Acrylonitrile	U		0.00194	0.0108	1	04/08/2018 18:49	WG1094657
Benzene	U		0.000292	0.00108	1	04/08/2018 18:49	WG1094657
Bromobenzene	U		0.000307	0.00108	1	04/08/2018 18:49	WG1094657
Bromodichloromethane	U		0.000275	0.00108	1	04/08/2018 18:49	WG1094657
Bromochloromethane	U		0.000422	0.00541	1	04/08/2018 18:49	WG1094657
Bromoform	U		0.000459	0.00108	1	04/08/2018 18:49	WG1094657
Bromomethane	U		0.00145	0.00541	1	04/08/2018 18:49	WG1094657
n-Butylbenzene	U		0.000279	0.00108	1	04/08/2018 18:49	WG1094657
sec-Butylbenzene	U		0.000218	0.00108	1	04/08/2018 18:49	WG1094657
tert-Butylbenzene	U		0.000223	0.00108	1	04/08/2018 18:49	WG1094657
Carbon disulfide	0.000540 J	J	0.000239	0.00108	1	04/08/2018 18:49	WG1094657
Carbon tetrachloride	U		0.000355	0.00108	1	04/08/2018 18:49	WG1094657
Chlorobenzene	U		0.000229	0.00108	1	04/08/2018 18:49	WG1094657
Chlorodibromomethane	U		0.000404	0.00108	1	04/08/2018 18:49	WG1094657
Chloroethane	U		0.00102	0.00541	1	04/08/2018 18:49	WG1094657
Chloroform	0.000249 J	J	0.000248	0.00541	1	04/08/2018 18:49	WG1094657
Chloromethane	U		0.000406	0.00271	1	04/08/2018 18:49	WG1094657
2-Chlorotoluene	U		0.000326	0.00108	1	04/08/2018 18:49	WG1094657
4-Chlorotoluene	U		0.000260	0.00108	1	04/08/2018 18:49	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	04/08/2018 18:49	WG1094657
1,2-Dibromoethane	U		0.000371	0.00108	1	04/08/2018 18:49	WG1094657
Dibromomethane	U		0.000414	0.00108	1	04/08/2018 18:49	WG1094657
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/08/2018 18:49	WG1094657
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/08/2018 18:49	WG1094657
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/08/2018 18:49	WG1094657
Dichlorodifluoromethane	U		0.000772	0.00541	1	04/08/2018 18:49	WG1094657
1,1-Dichloroethane	U		0.000215	0.00108	1	04/08/2018 18:49	WG1094657
1,2-Dichloroethane	U		0.000287	0.00108	1	04/08/2018 18:49	WG1094657
1,1-Dichloroethene	U		0.000328	0.00108	1	04/08/2018 18:49	WG1094657
cis-1,2-Dichloroethene	0.00395		0.000254	0.00108	1	04/08/2018 18:49	WG1094657
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/08/2018 18:49	WG1094657
1,2-Dichloropropane	U		0.000388	0.00108	1	04/08/2018 18:49	WG1094657
1,1-Dichloropropene	U		0.000343	0.00108	1	04/08/2018 18:49	WG1094657
1,3-Dichloropropane	U		0.000224	0.00108	1	04/08/2018 18:49	WG1094657
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/08/2018 18:49	WG1094657
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/08/2018 18:49	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000842	0.00271	1	04/08/2018 18:49	WG1094657
2,2-Dichloropropane	U		0.000302	0.00108	1	04/08/2018 18:49	WG1094657
Di-isopropyl ether	U		0.000268	0.00108	1	04/08/2018 18:49	WG1094657
Ethylbenzene	U		0.000322	0.00108	1	04/08/2018 18:49	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000370	0.00108	1	04/08/2018 18:49	WG1094657
2-Hexanone	U		0.00148	0.0108	1	04/08/2018 18:49	WG1094657
n-Hexane	U		0.000314	0.0108	1	04/08/2018 18:49	WG1094657
Iodomethane	U		0.00274	0.0108	1	04/08/2018 18:49	WG1094657
Isopropylbenzene	U		0.000263	0.00108	1	04/08/2018 18:49	WG1094657
p-Isopropyltoluene	U		0.000221	0.00108	1	04/08/2018 18:49	WG1094657
2-Butanone (MEK)	U		0.00507	0.0108	1	04/08/2018 18:49	WG1094657
Methylene Chloride	U		0.00108	0.00541	1	04/08/2018 18:49	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/08/2018 18:49	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/08/2018 18:49	WG1094657
Naphthalene	U		0.00108	0.00541	1	04/08/2018 18:49	WG1094657
n-Propylbenzene	U		0.000223	0.00108	1	04/08/2018 18:49	WG1094657
Styrene	U		0.000253	0.00108	1	04/08/2018 18:49	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/08/2018 18:49	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/08/2018 18:49	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/08/2018 18:49	WG1094657
Tetrachloroethene	0.0330		0.000299	0.00108	1	04/08/2018 18:49	WG1094657
Toluene	U		0.000470	0.00541	1	04/08/2018 18:49	WG1094657
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/08/2018 18:49	WG1094657
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/08/2018 18:49	WG1094657
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/08/2018 18:49	WG1094657
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/08/2018 18:49	WG1094657
Trichloroethene	0.00550		0.000302	0.00108	1	04/08/2018 18:49	WG1094657
Trichlorofluoromethane	U		0.000414	0.00541	1	04/08/2018 18:49	WG1094657
1,2,3-Trichloropropane	U		0.000802	0.00271	1	04/08/2018 18:49	WG1094657
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/08/2018 18:49	WG1094657
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/08/2018 18:49	WG1094657
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/08/2018 18:49	WG1094657
Vinyl acetate	U		0.00259	0.0108	1	04/08/2018 18:49	WG1094657
Vinyl chloride	0.000632	J J	0.000315	0.00108	1	04/08/2018 18:49	WG1094657
Xylenes, Total	U		0.000756	0.00325	1	04/08/2018 18:49	WG1094657
(S) Toluene-d8	*102*			*80.0-120*		*04/08/2018 18:49*	WG1094657
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/08/2018 18:49*	WG1094657
(S) 4-Bromofluorobenzene	*97.8*			*64.0-132*		*04/08/2018 18:49*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0113	0.0567	1	04/08/2018 19:10	WG1094657	
Acrylonitrile	U		0.00203	0.0113	1	04/08/2018 19:10	WG1094657	
Benzene	U		0.000306	0.00113	1	04/08/2018 19:10	WG1094657	
Bromobenzene	U		0.000322	0.00113	1	04/08/2018 19:10	WG1094657	
Bromodichloromethane	U		0.000288	0.00113	1	04/08/2018 19:10	WG1094657	
Bromochloromethane	U		0.000442	0.00567	1	04/08/2018 19:10	WG1094657	
Bromoform	U		0.000481	0.00113	1	04/08/2018 19:10	WG1094657	
Bromomethane	U		0.00152	0.00567	1	04/08/2018 19:10	WG1094657	
n-Butylbenzene	U		0.000293	0.00113	1	04/08/2018 19:10	WG1094657	
sec-Butylbenzene	U		0.000228	0.00113	1	04/08/2018 19:10	WG1094657	
tert-Butylbenzene	U		0.000234	0.00113	1	04/08/2018 19:10	WG1094657	
Carbon disulfide	0.000553	J J	0.000251	0.00113	1	04/08/2018 19:10	WG1094657	
Carbon tetrachloride	U		0.000372	0.00113	1	04/08/2018 19:10	WG1094657	
Chlorobenzene	U		0.000241	0.00113	1	04/08/2018 19:10	WG1094657	
Chlorodibromomethane	U		0.000423	0.00113	1	04/08/2018 19:10	WG1094657	
Chloroethane	U		0.00107	0.00567	1	04/08/2018 19:10	WG1094657	
Chloroform	0.000349	J J	0.000260	0.00567	1	04/08/2018 19:10	WG1094657	
Chloromethane	U		0.000425	0.00284	1	04/08/2018 19:10	WG1094657	
2-Chlorotoluene	U		0.000341	0.00113	1	04/08/2018 19:10	WG1094657	
4-Chlorotoluene	U		0.000272	0.00113	1	04/08/2018 19:10	WG1094657	
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	04/08/2018 19:10	WG1094657	
1,2-Dibromoethane	U		0.000389	0.00113	1	04/08/2018 19:10	WG1094657	
Dibromomethane	U		0.000433	0.00113	1	04/08/2018 19:10	WG1094657	
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/08/2018 19:10	WG1094657	
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/08/2018 19:10	WG1094657	
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/08/2018 19:10	WG1094657	
Dichlorodifluoromethane	U		0.000809	0.00567	1	04/08/2018 19:10	WG1094657	
1,1-Dichloroethane	U		0.000226	0.00113	1	04/08/2018 19:10	WG1094657	
1,2-Dichloroethane	U		0.000301	0.00113	1	04/08/2018 19:10	WG1094657	
1,1-Dichloroethene	U		0.000344	0.00113	1	04/08/2018 19:10	WG1094657	
cis-1,2-Dichloroethene	0.00454		0.000267	0.00113	1	04/08/2018 19:10	WG1094657	
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/08/2018 19:10	WG1094657	
1,2-Dichloropropane	U		0.000406	0.00113	1	04/08/2018 19:10	WG1094657	
1,1-Dichloropropene	U		0.000360	0.00113	1	04/08/2018 19:10	WG1094657	
1,3-Dichloropropane	U		0.000235	0.00113	1	04/08/2018 19:10	WG1094657	
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/08/2018 19:10	WG1094657	
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/08/2018 19:10	WG1094657	
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	04/08/2018 19:10	WG1094657	
2,2-Dichloropropane	U		0.000317	0.00113	1	04/08/2018 19:10	WG1094657	
Di-isopropyl ether	U		0.000281	0.00113	1	04/08/2018 19:10	WG1094657	
Ethylbenzene	U		0.000337	0.00113	1	04/08/2018 19:10	WG1094657	
Hexachloro-1,3-butadiene	U	J4	0.000388	0.00113	1	04/08/2018 19:10	WG1094657	
2-Hexanone	U		0.00155	0.0113	1	04/08/2018 19:10	WG1094657	
n-Hexane	U		0.000329	0.0113	1	04/08/2018 19:10	WG1094657	JC 4/25/18
Iodomethane	U		0.00287	0.0113	1	04/08/2018 19:10	WG1094657	
Isopropylbenzene	U		0.000276	0.00113	1	04/08/2018 19:10	WG1094657	
p-Isopropyltoluene	U		0.000231	0.00113	1	04/08/2018 19:10	WG1094657	
2-Butanone (MEK)	U		0.00531	0.0113	1	04/08/2018 19:10	WG1094657	
Methylene Chloride	U		0.00113	0.00567	1	04/08/2018 19:10	WG1094657	
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/08/2018 19:10	WG1094657	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00113	1	04/08/2018 19:10	WG1094657
Naphthalene	U		0.00113	0.00567	1	04/08/2018 19:10	WG1094657
n-Propylbenzene	U		0.000234	0.00113	1	04/08/2018 19:10	WG1094657
Styrene	U		0.000265	0.00113	1	04/08/2018 19:10	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/08/2018 19:10	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/08/2018 19:10	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/08/2018 19:10	WG1094657
Tetrachloroethene	0.0414		0.000313	0.00113	1	04/08/2018 19:10	WG1094657
Toluene	U		0.000492	0.00567	1	04/08/2018 19:10	WG1094657
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/08/2018 19:10	WG1094657
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/08/2018 19:10	WG1094657
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/08/2018 19:10	WG1094657
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/08/2018 19:10	WG1094657
Trichloroethene	0.00626		0.000317	0.00113	1	04/08/2018 19:10	WG1094657
Trichlorofluoromethane	U		0.000433	0.00567	1	04/08/2018 19:10	WG1094657
1,2,3-Trichloropropane	U		0.000841	0.00284	1	04/08/2018 19:10	WG1094657
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/08/2018 19:10	WG1094657
1,2,3-Trimethylbenzene	U		0.000326	0.00113	1	04/08/2018 19:10	WG1094657
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	04/08/2018 19:10	WG1094657
Vinyl acetate	U		0.00271	0.0113	1	04/08/2018 19:10	WG1094657
Vinyl chloride	0.000769	J J	0.000330	0.00113	1	04/08/2018 19:10	WG1094657
Xylenes, Total	U		0.000792	0.00340	1	04/08/2018 19:10	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 19:10*	WG1094657
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*04/08/2018 19:10*	WG1094657
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*04/08/2018 19:10*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	0.0156	J	J	0.0112	0.0560	1	04/08/2018 19:31	WG1094657
Acrylonitrile	U			0.00201	0.0112	1	04/08/2018 19:31	WG1094657
Benzene	U			0.000302	0.00112	1	04/08/2018 19:31	WG1094657
Bromobenzene	U			0.000318	0.00112	1	04/08/2018 19:31	WG1094657
Bromodichloromethane	U			0.000285	0.00112	1	04/08/2018 19:31	WG1094657
Bromochloromethane	U			0.000437	0.00560	1	04/08/2018 19:31	WG1094657
Bromoform	U			0.000475	0.00112	1	04/08/2018 19:31	WG1094657
Bromomethane	U			0.00150	0.00560	1	04/08/2018 19:31	WG1094657
n-Butylbenzene	U			0.000289	0.00112	1	04/08/2018 19:31	WG1094657
sec-Butylbenzene	U			0.000225	0.00112	1	04/08/2018 19:31	WG1094657
tert-Butylbenzene	U			0.000231	0.00112	1	04/08/2018 19:31	WG1094657
Carbon disulfide	U			0.000248	0.00112	1	04/08/2018 19:31	WG1094657
Carbon tetrachloride	U			0.000367	0.00112	1	04/08/2018 19:31	WG1094657
Chlorobenzene	U			0.000237	0.00112	1	04/08/2018 19:31	WG1094657
Chlorodibromomethane	U			0.000418	0.00112	1	04/08/2018 19:31	WG1094657
Chloroethane	U			0.00106	0.00560	1	04/08/2018 19:31	WG1094657
Chloroform	U			0.000257	0.00560	1	04/08/2018 19:31	WG1094657
Chloromethane	U			0.000420	0.00280	1	04/08/2018 19:31	WG1094657
2-Chlorotoluene	U			0.000337	0.00112	1	04/08/2018 19:31	WG1094657
4-Chlorotoluene	U			0.000269	0.00112	1	04/08/2018 19:31	WG1094657
1,2-Dibromo-3-Chloropropane	U			0.00118	0.00560	1	04/08/2018 19:31	WG1094657
1,2-Dibromoethane	U			0.000384	0.00112	1	04/08/2018 19:31	WG1094657
Dibromomethane	U			0.000428	0.00112	1	04/08/2018 19:31	WG1094657
1,2-Dichlorobenzene	U			0.000342	0.00112	1	04/08/2018 19:31	WG1094657
1,3-Dichlorobenzene	U			0.000268	0.00112	1	04/08/2018 19:31	WG1094657
1,4-Dichlorobenzene	U			0.000253	0.00112	1	04/08/2018 19:31	WG1094657
Dichlorodifluoromethane	U			0.000799	0.00560	1	04/08/2018 19:31	WG1094657
1,1-Dichloroethane	U			0.000223	0.00112	1	04/08/2018 19:31	WG1094657
1,2-Dichloroethane	U			0.000297	0.00112	1	04/08/2018 19:31	WG1094657
1,1-Dichloroethene	U			0.000339	0.00112	1	04/08/2018 19:31	WG1094657
cis-1,2-Dichloroethene	0.000317	J	J	0.000263	0.00112	1	04/08/2018 19:31	WG1094657
trans-1,2-Dichloroethene	U			0.000296	0.00112	1	04/08/2018 19:31	WG1094657
1,2-Dichloropropane	U			0.000401	0.00112	1	04/08/2018 19:31	WG1094657
1,1-Dichloropropene	U			0.000355	0.00112	1	04/08/2018 19:31	WG1094657
1,3-Dichloropropane	U			0.000232	0.00112	1	04/08/2018 19:31	WG1094657
cis-1,3-Dichloropropene	U			0.000293	0.00112	1	04/08/2018 19:31	WG1094657
trans-1,3-Dichloropropene	U			0.000299	0.00112	1	04/08/2018 19:31	WG1094657
trans-1,4-Dichloro-2-butene	U			0.000871	0.00280	1	04/08/2018 19:31	WG1094657
2,2-Dichloropropane	U			0.000313	0.00112	1	04/08/2018 19:31	WG1094657
Di-isopropyl ether	U			0.000278	0.00112	1	04/08/2018 19:31	WG1094657
Ethylbenzene	U			0.000333	0.00112	1	04/08/2018 19:31	WG1094657
Hexachloro-1,3-butadiene	U		J4	0.000383	0.00112	1	04/08/2018 19:31	WG1094657
2-Hexanone	U			0.00153	0.0112	1	04/08/2018 19:31	WG1094657
n-Hexane	0.000524	J	J	0.000325	0.0112	1	04/08/2018 19:31	WG1094657
Iodomethane	U			0.00283	0.0112	1	04/08/2018 19:31	WG1094657
Isopropylbenzene	U			0.000272	0.00112	1	04/08/2018 19:31	WG1094657
p-Isopropyltoluene	U			0.000229	0.00112	1	04/08/2018 19:31	WG1094657
2-Butanone (MEK)	U			0.00524	0.0112	1	04/08/2018 19:31	WG1094657
Methylene Chloride	U			0.00112	0.00560	1	04/08/2018 19:31	WG1094657
4-Methyl-2-pentanone (MIBK)	U			0.00211	0.0112	1	04/08/2018 19:31	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/08/2018 19:31	WG1094657
Naphthalene	U		0.00112	0.00560	1	04/08/2018 19:31	WG1094657
n-Propylbenzene	U		0.000231	0.00112	1	04/08/2018 19:31	WG1094657
Styrene	U		0.000262	0.00112	1	04/08/2018 19:31	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/08/2018 19:31	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/08/2018 19:31	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/08/2018 19:31	WG1094657
Tetrachloroethene	0.000534	J J	0.000309	0.00112	1	04/08/2018 19:31	WG1094657
Toluene	U		0.000486	0.00560	1	04/08/2018 19:31	WG1094657
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/08/2018 19:31	WG1094657
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/08/2018 19:31	WG1094657
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/08/2018 19:31	WG1094657
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/08/2018 19:31	WG1094657
Trichloroethene	U		0.000313	0.00112	1	04/08/2018 19:31	WG1094657
Trichlorofluoromethane	U		0.000428	0.00560	1	04/08/2018 19:31	WG1094657
1,2,3-Trichloropropane	U		0.000830	0.00280	1	04/08/2018 19:31	WG1094657
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/08/2018 19:31	WG1094657
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/08/2018 19:31	WG1094657
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/08/2018 19:31	WG1094657
Vinyl acetate	U		0.00268	0.0112	1	04/08/2018 19:31	WG1094657
Vinyl chloride	0.000390	J J	0.000326	0.00112	1	04/08/2018 19:31	WG1094657
Xylenes, Total	U		0.000782	0.00336	1	04/08/2018 19:31	WG1094657
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 19:31*	WG1094657
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*04/08/2018 19:31*	WG1094657
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*04/08/2018 19:31*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0552	1	04/08/2018 19:52	WG1094657
Acrylonitrile	U		0.00198	0.0110	1	04/08/2018 19:52	WG1094657
Benzene	U		0.000298	0.00110	1	04/08/2018 19:52	WG1094657
Bromobenzene	U		0.000314	0.00110	1	04/08/2018 19:52	WG1094657
Bromodichloromethane	U		0.000281	0.00110	1	04/08/2018 19:52	WG1094657
Bromochloromethane	U		0.000431	0.00552	1	04/08/2018 19:52	WG1094657
Bromoform	U		0.000468	0.00110	1	04/08/2018 19:52	WG1094657
Bromomethane	U		0.00148	0.00552	1	04/08/2018 19:52	WG1094657
n-Butylbenzene	U		0.000285	0.00110	1	04/08/2018 19:52	WG1094657
sec-Butylbenzene	U		0.000222	0.00110	1	04/08/2018 19:52	WG1094657
tert-Butylbenzene	U		0.000228	0.00110	1	04/08/2018 19:52	WG1094657
Carbon disulfide	U		0.000244	0.00110	1	04/08/2018 19:52	WG1094657
Carbon tetrachloride	U		0.000362	0.00110	1	04/08/2018 19:52	WG1094657
Chlorobenzene	U		0.000234	0.00110	1	04/08/2018 19:52	WG1094657
Chlorodibromomethane	U		0.000412	0.00110	1	04/08/2018 19:52	WG1094657
Chloroethane	U		0.00104	0.00552	1	04/08/2018 19:52	WG1094657
Chloroform	U		0.000253	0.00552	1	04/08/2018 19:52	WG1094657
Chloromethane	U		0.000414	0.00276	1	04/08/2018 19:52	WG1094657
2-Chlorotoluene	U		0.000332	0.00110	1	04/08/2018 19:52	WG1094657
4-Chlorotoluene	U		0.000265	0.00110	1	04/08/2018 19:52	WG1094657
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/08/2018 19:52	WG1094657
1,2-Dibromoethane	U		0.000379	0.00110	1	04/08/2018 19:52	WG1094657
Dibromomethane	U		0.000422	0.00110	1	04/08/2018 19:52	WG1094657
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/08/2018 19:52	WG1094657
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/08/2018 19:52	WG1094657
1,4-Dichlorobenzene	U		0.000250	0.00110	1	04/08/2018 19:52	WG1094657
Dichlorodifluoromethane	U		0.000787	0.00552	1	04/08/2018 19:52	WG1094657
1,1-Dichloroethane	U		0.000220	0.00110	1	04/08/2018 19:52	WG1094657
1,2-Dichloroethane	U		0.000293	0.00110	1	04/08/2018 19:52	WG1094657
1,1-Dichloroethene	U		0.000335	0.00110	1	04/08/2018 19:52	WG1094657
cis-1,2-Dichloroethene	0.000272	J J	0.000260	0.00110	1	04/08/2018 19:52	WG1094657
trans-1,2-Dichloroethene	U		0.000292	0.00110	1	04/08/2018 19:52	WG1094657
1,2-Dichloropropane	U		0.000395	0.00110	1	04/08/2018 19:52	WG1094657
1,1-Dichloropropene	U		0.000350	0.00110	1	04/08/2018 19:52	WG1094657
1,3-Dichloropropane	U		0.000229	0.00110	1	04/08/2018 19:52	WG1094657
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/08/2018 19:52	WG1094657
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/08/2018 19:52	WG1094657
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	04/08/2018 19:52	WG1094657
2,2-Dichloropropane	U		0.000308	0.00110	1	04/08/2018 19:52	WG1094657
Di-isopropyl ether	U		0.000274	0.00110	1	04/08/2018 19:52	WG1094657
Ethylbenzene	U		0.000328	0.00110	1	04/08/2018 19:52	WG1094657
Hexachloro-1,3-butadiene	U	J4	0.000378	0.00110	1	04/08/2018 19:52	WG1094657
2-Hexanone	U		0.00151	0.0110	1	04/08/2018 19:52	WG1094657
n-Hexane	U		0.000320	0.0110	1	04/08/2018 19:52	WG1094657
Iodomethane	U		0.00279	0.0110	1	04/08/2018 19:52	WG1094657
Isopropylbenzene	U		0.000268	0.00110	1	04/08/2018 19:52	WG1094657
p-Isopropyltoluene	U		0.000225	0.00110	1	04/08/2018 19:52	WG1094657
2-Butanone (MEK)	U		0.00517	0.0110	1	04/08/2018 19:52	WG1094657
Methylene Chloride	U		0.00110	0.00552	1	04/08/2018 19:52	WG1094657
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	04/08/2018 19:52	WG1094657

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/08/2018 19:52	WG1094657
Naphthalene	U		0.00110	0.00552	1	04/08/2018 19:52	WG1094657
n-Propylbenzene	U		0.000228	0.00110	1	04/08/2018 19:52	WG1094657
Styrene	U		0.000258	0.00110	1	04/08/2018 19:52	WG1094657
1,1,1,2-Tetrachloroethane	U		0.000292	0.00110	1	04/08/2018 19:52	WG1094657
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/08/2018 19:52	WG1094657
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/08/2018 19:52	WG1094657
Tetrachloroethene	0.000777 J	J	0.000305	0.00110	1	04/08/2018 19:52	WG1094657
Toluene	U		0.000479	0.00552	1	04/08/2018 19:52	WG1094657
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/08/2018 19:52	WG1094657
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/08/2018 19:52	WG1094657
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/08/2018 19:52	WG1094657
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/08/2018 19:52	WG1094657
Trichloroethene	U		0.000308	0.00110	1	04/08/2018 19:52	WG1094657
Trichlorofluoromethane	U		0.000422	0.00552	1	04/08/2018 19:52	WG1094657
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/08/2018 19:52	WG1094657
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/08/2018 19:52	WG1094657
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/08/2018 19:52	WG1094657
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	04/08/2018 19:52	WG1094657
Vinyl acetate	U		0.00264	0.0110	1	04/08/2018 19:52	WG1094657
Vinyl chloride	U		0.000321	0.00110	1	04/08/2018 19:52	WG1094657
Xylenes, Total	U		0.000771	0.00331	1	04/08/2018 19:52	WG1094657
(S) Toluene-d8	*100*			*80.0-120*		*04/08/2018 19:52*	WG1094657
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/08/2018 19:52*	WG1094657
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*04/08/2018 19:52*	WG1094657

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	04/09/2018 15:09	WG1095649

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0114	0.0569	1	04/06/2018 20:50	WG1094842
Acrylonitrile	U		0.00204	0.0114	1	04/06/2018 20:50	WG1094842
Benzene	U		0.000307	0.00114	1	04/06/2018 20:50	WG1094842
Bromobenzene	U		0.000323	0.00114	1	04/06/2018 20:50	WG1094842
Bromodichloromethane	U		0.000289	0.00114	1	04/06/2018 20:50	WG1094842
Bromochloromethane	U		0.000444	0.00569	1	04/06/2018 20:50	WG1094842
Bromoform	U		0.000482	0.00114	1	04/06/2018 20:50	WG1094842
Bromomethane	U		0.00152	0.00569	1	04/06/2018 20:50	WG1094842
n-Butylbenzene	U		0.000294	0.00114	1	04/06/2018 20:50	WG1094842
sec-Butylbenzene	U		0.000229	0.00114	1	04/06/2018 20:50	WG1094842
tert-Butylbenzene	U		0.000234	0.00114	1	04/06/2018 20:50	WG1094842
Carbon disulfide	U		0.000251	0.00114	1	04/06/2018 20:50	WG1094842
Carbon tetrachloride	U		0.000373	0.00114	1	04/06/2018 20:50	WG1094842
Chlorobenzene	U		0.000241	0.00114	1	04/06/2018 20:50	WG1094842
Chlorodibromomethane	U		0.000424	0.00114	1	04/06/2018 20:50	WG1094842
Chloroethane	U		0.00108	0.00569	1	04/06/2018 20:50	WG1094842
Chloroform	U		0.000261	0.00569	1	04/06/2018 20:50	WG1094842
Chloromethane	U		0.000427	0.00284	1	04/06/2018 20:50	WG1094842
2-Chlorotoluene	U		0.000342	0.00114	1	04/06/2018 20:50	WG1094842
4-Chlorotoluene	U		0.000273	0.00114	1	04/06/2018 20:50	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00569	1	04/06/2018 20:50	WG1094842
1,2-Dibromoethane	U		0.000390	0.00114	1	04/06/2018 20:50	WG1094842
Dibromomethane	U		0.000435	0.00114	1	04/06/2018 20:50	WG1094842
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/06/2018 20:50	WG1094842
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/06/2018 20:50	WG1094842
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/06/2018 20:50	WG1094842
Dichlorodifluoromethane	U		0.000811	0.00569	1	04/06/2018 20:50	WG1094842
1,1-Dichloroethane	U		0.000226	0.00114	1	04/06/2018 20:50	WG1094842
1,2-Dichloroethane	U		0.000302	0.00114	1	04/06/2018 20:50	WG1094842
1,1-Dichloroethene	U		0.000345	0.00114	1	04/06/2018 20:50	WG1094842
cis-1,2-Dichloroethene	U		0.000267	0.00114	1	04/06/2018 20:50	WG1094842
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	04/06/2018 20:50	WG1094842
1,2-Dichloropropane	U		0.000407	0.00114	1	04/06/2018 20:50	WG1094842
1,1-Dichloropropene	U		0.000361	0.00114	1	04/06/2018 20:50	WG1094842
1,3-Dichloropropane	U		0.000236	0.00114	1	04/06/2018 20:50	WG1094842
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/06/2018 20:50	WG1094842
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	04/06/2018 20:50	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000885	0.00284	1	04/06/2018 20:50	WG1094842
2,2-Dichloropropane	U		0.000317	0.00114	1	04/06/2018 20:50	WG1094842
Di-isopropyl ether	U		0.000282	0.00114	1	04/06/2018 20:50	WG1094842
Ethylbenzene	U		0.000338	0.00114	1	04/06/2018 20:50	WG1094842
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	04/06/2018 20:50	WG1094842
2-Hexanone	U	J3	0.00156	0.0114	1	04/06/2018 20:50	WG1094842
n-Hexane	U		0.000330	0.0114	1	04/06/2018 20:50	WG1094842
Iodomethane	U		0.00288	0.0114	1	04/06/2018 20:50	WG1094842
Isopropylbenzene	U		0.000276	0.00114	1	04/06/2018 20:50	WG1094842
p-Isopropyltoluene	U		0.000232	0.00114	1	04/06/2018 20:50	WG1094842
2-Butanone (MEK)	U	J3	0.00533	0.0114	1	04/06/2018 20:50	WG1094842
Methylene Chloride	U		0.00114	0.00569	1	04/06/2018 20:50	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00214	0.0114	1	04/06/2018 20:50	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/06/2018 20:50	WG1094842
Naphthalene	U		0.00114	0.00569	1	04/06/2018 20:50	WG1094842
n-Propylbenzene	U		0.000234	0.00114	1	04/06/2018 20:50	WG1094842
Styrene	U		0.000266	0.00114	1	04/06/2018 20:50	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/06/2018 20:50	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	04/06/2018 20:50	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	04/06/2018 20:50	WG1094842
Tetrachloroethene	U		0.000314	0.00114	1	04/06/2018 20:50	WG1094842
Toluene	U		0.000494	0.00569	1	04/06/2018 20:50	WG1094842
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/06/2018 20:50	WG1094842
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	04/06/2018 20:50	WG1094842
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/06/2018 20:50	WG1094842
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/06/2018 20:50	WG1094842
Trichloroethene	U		0.000317	0.00114	1	04/06/2018 20:50	WG1094842
Trichlorofluoromethane	U		0.000435	0.00569	1	04/06/2018 20:50	WG1094842
1,2,3-Trichloropropane	U		0.000843	0.00284	1	04/06/2018 20:50	WG1094842
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/06/2018 20:50	WG1094842
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	04/06/2018 20:50	WG1094842
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	04/06/2018 20:50	WG1094842
Vinyl acetate	U		0.00272	0.0114	1	04/06/2018 20:50	WG1094842
Vinyl chloride	U		0.000331	0.00114	1	04/06/2018 20:50	WG1094842
Xylenes, Total	U	J4	0.000794	0.00341	1	04/06/2018 20:50	WG1094842
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 20:50*	WG1094842
(S) Dibromofluoromethane	*98.8*			*74.0-131*		*04/06/2018 20:50*	WG1094842
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*04/06/2018 20:50*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0112	0.0559	1	04/06/2018 21:11	WG1094842	
Acrylonitrile	U		0.00200	0.0112	1	04/06/2018 21:11	WG1094842	
Benzene	U		0.000302	0.00112	1	04/06/2018 21:11	WG1094842	
Bromobenzene	U		0.000318	0.00112	1	04/06/2018 21:11	WG1094842	
Bromodichloromethane	U		0.000284	0.00112	1	04/06/2018 21:11	WG1094842	
Bromochloromethane	U		0.000436	0.00559	1	04/06/2018 21:11	WG1094842	
Bromoform	U		0.000474	0.00112	1	04/06/2018 21:11	WG1094842	
Bromomethane	U		0.00150	0.00559	1	04/06/2018 21:11	WG1094842	
n-Butylbenzene	U		0.000289	0.00112	1	04/06/2018 21:11	WG1094842	
sec-Butylbenzene	U		0.000225	0.00112	1	04/06/2018 21:11	WG1094842	
tert-Butylbenzene	U		0.000230	0.00112	1	04/06/2018 21:11	WG1094842	
Carbon disulfide	U		0.000247	0.00112	1	04/06/2018 21:11	WG1094842	
Carbon tetrachloride	U		0.000367	0.00112	1	04/06/2018 21:11	WG1094842	
Chlorobenzene	U		0.000237	0.00112	1	04/06/2018 21:11	WG1094842	
Chlorodibromomethane	U		0.000417	0.00112	1	04/06/2018 21:11	WG1094842	
Chloroethane	U		0.00106	0.00559	1	04/06/2018 21:11	WG1094842	
Chloroform	U		0.000256	0.00559	1	04/06/2018 21:11	WG1094842	
Chloromethane	U		0.000419	0.00280	1	04/06/2018 21:11	WG1094842	
2-Chlorotoluene	U		0.000337	0.00112	1	04/06/2018 21:11	WG1094842	
4-Chlorotoluene	U		0.000268	0.00112	1	04/06/2018 21:11	WG1094842	
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	04/06/2018 21:11	WG1094842	
1,2-Dibromoethane	U		0.000384	0.00112	1	04/06/2018 21:11	WG1094842	
Dibromomethane	U		0.000427	0.00112	1	04/06/2018 21:11	WG1094842	
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/06/2018 21:11	WG1094842	
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/06/2018 21:11	WG1094842	
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/06/2018 21:11	WG1094842	
Dichlorodifluoromethane	U		0.000797	0.00559	1	04/06/2018 21:11	WG1094842	
1,1-Dichloroethane	U		0.000223	0.00112	1	04/06/2018 21:11	WG1094842	
1,2-Dichloroethane	U		0.000296	0.00112	1	04/06/2018 21:11	WG1094842	
1,1-Dichloroethene	U		0.000339	0.00112	1	04/06/2018 21:11	WG1094842	
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	04/06/2018 21:11	WG1094842	
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/06/2018 21:11	WG1094842	
1,2-Dichloropropane	U		0.000400	0.00112	1	04/06/2018 21:11	WG1094842	
1,1-Dichloropropene	U		0.000355	0.00112	1	04/06/2018 21:11	WG1094842	
1,3-Dichloropropane	U		0.000231	0.00112	1	04/06/2018 21:11	WG1094842	
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/06/2018 21:11	WG1094842	
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/06/2018 21:11	WG1094842	
trans-1,4-Dichloro-2-butene	U		0.000870	0.00280	1	04/06/2018 21:11	WG1094842	
2,2-Dichloropropane	U		0.000312	0.00112	1	04/06/2018 21:11	WG1094842	
Di-isopropyl ether	U		0.000277	0.00112	1	04/06/2018 21:11	WG1094842	
Ethylbenzene	U		0.000332	0.00112	1	04/06/2018 21:11	WG1094842	
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/06/2018 21:11	WG1094842	JC 4/25/18
2-Hexanone	U	J3	0.00153	0.0112	1	04/06/2018 21:11	WG1094842	
n-Hexane	0.000378 J	J	0.000324	0.0112	1	04/06/2018 21:11	WG1094842	
Iodomethane	U		0.00283	0.0112	1	04/06/2018 21:11	WG1094842	
Isopropylbenzene	U		0.000272	0.00112	1	04/06/2018 21:11	WG1094842	
p-Isopropyltoluene	U		0.000228	0.00112	1	04/06/2018 21:11	WG1094842	
2-Butanone (MEK)	U	J3	0.00523	0.0112	1	04/06/2018 21:11	WG1094842	
Methylene Chloride	U		0.00112	0.00559	1	04/06/2018 21:11	WG1094842	
4-Methyl-2-pentanone (MIBK)	U	J3	0.00210	0.0112	1	04/06/2018 21:11	WG1094842	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/06/2018 21:11	WG1094842
Naphthalene	U		0.00112	0.00559	1	04/06/2018 21:11	WG1094842
n-Propylbenzene	U		0.000230	0.00112	1	04/06/2018 21:11	WG1094842
Styrene	U		0.000262	0.00112	1	04/06/2018 21:11	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/06/2018 21:11	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/06/2018 21:11	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/06/2018 21:11	WG1094842
Tetrachloroethene	U		0.000309	0.00112	1	04/06/2018 21:11	WG1094842
Toluene	U		0.000485	0.00559	1	04/06/2018 21:11	WG1094842
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/06/2018 21:11	WG1094842
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/06/2018 21:11	WG1094842
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/06/2018 21:11	WG1094842
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/06/2018 21:11	WG1094842
Trichloroethene	U		0.000312	0.00112	1	04/06/2018 21:11	WG1094842
Trichlorofluoromethane	U		0.000427	0.00559	1	04/06/2018 21:11	WG1094842
1,2,3-Trichloropropane	U		0.000829	0.00280	1	04/06/2018 21:11	WG1094842
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/06/2018 21:11	WG1094842
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/06/2018 21:11	WG1094842
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/06/2018 21:11	WG1094842
Vinyl acetate	U		0.00267	0.0112	1	04/06/2018 21:11	WG1094842
Vinyl chloride	U		0.000325	0.00112	1	04/06/2018 21:11	WG1094842
Xylenes, Total	U	J4	0.000781	0.00336	1	04/06/2018 21:11	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2018 21:11*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 21:11*	WG1094842
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/06/2018 21:11*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0112	0.0559	1	04/09/2018 19:22	WG1094842	
Acrylonitrile	U		0.00200	0.0112	1	04/09/2018 19:22	WG1094842	
Benzene	U		0.000302	0.00112	1	04/09/2018 19:22	WG1094842	
Bromobenzene	U		0.000317	0.00112	1	04/09/2018 19:22	WG1094842	
Bromodichloromethane	U		0.000284	0.00112	1	04/09/2018 19:22	WG1094842	
Bromochloromethane	U		0.000436	0.00559	1	04/09/2018 19:22	WG1094842	
Bromoform	U		0.000474	0.00112	1	04/09/2018 19:22	WG1094842	
Bromomethane	U		0.00150	0.00559	1	04/09/2018 19:22	WG1094842	
n-Butylbenzene	U		0.000288	0.00112	1	04/09/2018 19:22	WG1094842	
sec-Butylbenzene	U		0.000225	0.00112	1	04/09/2018 19:22	WG1094842	
tert-Butylbenzene	U		0.000230	0.00112	1	04/09/2018 19:22	WG1094842	
Carbon disulfide	U		0.000247	0.00112	1	04/09/2018 19:22	WG1094842	
Carbon tetrachloride	U		0.000367	0.00112	1	04/09/2018 19:22	WG1094842	
Chlorobenzene	U		0.000237	0.00112	1	04/09/2018 19:22	WG1094842	
Chlorodibromomethane	U		0.000417	0.00112	1	04/09/2018 19:22	WG1094842	
Chloroethane	U		0.00106	0.00559	1	04/09/2018 19:22	WG1094842	
Chloroform	U		0.000256	0.00559	1	04/09/2018 19:22	WG1094842	
Chloromethane	U		0.000419	0.00279	1	04/09/2018 19:22	WG1094842	
2-Chlorotoluene	U		0.000336	0.00112	1	04/09/2018 19:22	WG1094842	
4-Chlorotoluene	U		0.000268	0.00112	1	04/09/2018 19:22	WG1094842	
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	04/09/2018 19:22	WG1094842	
1,2-Dibromoethane	U		0.000383	0.00112	1	04/09/2018 19:22	WG1094842	
Dibromomethane	U		0.000427	0.00112	1	04/09/2018 19:22	WG1094842	
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/09/2018 19:22	WG1094842	
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/09/2018 19:22	WG1094842	
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/09/2018 19:22	WG1094842	
Dichlorodifluoromethane	U		0.000797	0.00559	1	04/09/2018 19:22	WG1094842	
1,1-Dichloroethane	U		0.000222	0.00112	1	04/09/2018 19:22	WG1094842	
1,2-Dichloroethane	U		0.000296	0.00112	1	04/09/2018 19:22	WG1094842	
1,1-Dichloroethene	U		0.000339	0.00112	1	04/09/2018 19:22	WG1094842	
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	04/09/2018 19:22	WG1094842	
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/09/2018 19:22	WG1094842	
1,2-Dichloropropane	U		0.000400	0.00112	1	04/09/2018 19:22	WG1094842	
1,1-Dichloropropene	U		0.000354	0.00112	1	04/09/2018 19:22	WG1094842	
1,3-Dichloropropane	U		0.000231	0.00112	1	04/09/2018 19:22	WG1094842	
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/09/2018 19:22	WG1094842	
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/09/2018 19:22	WG1094842	
trans-1,4-Dichloro-2-butene	U		0.000870	0.00279	1	04/09/2018 19:22	WG1094842	
2,2-Dichloropropane	U		0.000312	0.00112	1	04/09/2018 19:22	WG1094842	JC 4/25/18
Di-isopropyl ether	U		0.000277	0.00112	1	04/09/2018 19:22	WG1094842	
Ethylbenzene	U		0.000332	0.00112	1	04/09/2018 19:22	WG1094842	
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/09/2018 19:22	WG1094842	
2-Hexanone	U	J3	0.00153	0.0112	1	04/09/2018 19:22	WG1094842	
n-Hexane	U		0.000324	0.0112	1	04/09/2018 19:22	WG1094842	
Iodomethane	U		0.00283	0.0112	1	04/09/2018 19:22	WG1094842	
Isopropylbenzene	U		0.000272	0.00112	1	04/09/2018 19:22	WG1094842	
p-Isopropyltoluene	U		0.000228	0.00112	1	04/09/2018 19:22	WG1094842	
2-Butanone (MEK)	U	J3	0.00523	0.0112	1	04/09/2018 19:22	WG1094842	
Methylene Chloride	U		0.00112	0.00559	1	04/09/2018 19:22	WG1094842	
4-Methyl-2-pentanone (MIBK)	U	J3	0.00210	0.0112	1	04/09/2018 19:22	WG1094842	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/09/2018 19:22	WG1094842
Naphthalene	U		0.00112	0.00559	1	04/09/2018 19:22	WG1094842
n-Propylbenzene	U		0.000230	0.00112	1	04/09/2018 19:22	WG1094842
Styrene	U		0.000262	0.00112	1	04/09/2018 19:22	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/09/2018 19:22	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/09/2018 19:22	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/09/2018 19:22	WG1094842
Tetrachloroethene	U		0.000308	0.00112	1	04/09/2018 19:22	WG1094842
Toluene	U		0.000485	0.00559	1	04/09/2018 19:22	WG1094842
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/09/2018 19:22	WG1094842
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/09/2018 19:22	WG1094842
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/09/2018 19:22	WG1094842
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/09/2018 19:22	WG1094842
Trichloroethene	U		0.000312	0.00112	1	04/09/2018 19:22	WG1094842
Trichlorofluoromethane	U		0.000427	0.00559	1	04/09/2018 19:22	WG1094842
1,2,3-Trichloropropane	U		0.000828	0.00279	1	04/09/2018 19:22	WG1094842
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/09/2018 19:22	WG1094842
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/09/2018 19:22	WG1094842
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/09/2018 19:22	WG1094842
Vinyl acetate	U		0.00267	0.0112	1	04/09/2018 19:22	WG1094842
Vinyl chloride	U		0.000325	0.00112	1	04/09/2018 19:22	WG1094842
Xylenes, Total	U	J4	0.000780	0.00335	1	04/09/2018 19:22	WG1094842
(S) Toluene-d8	*101*			*80.0-120*		*04/09/2018 19:22*	WG1094842
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/09/2018 19:22*	WG1094842
(S) 4-Bromofluorobenzene	*97.0*			*64.0-132*		*04/09/2018 19:22*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0124 J	J	0.0111	0.0557	1	04/09/2018 19:43	WG1094842
Acrylonitrile	U		0.00199	0.0111	1	04/06/2018 21:54	WG1094842
Benzene	U		0.000301	0.00111	1	04/06/2018 21:54	WG1094842
Bromobenzene	U		0.000316	0.00111	1	04/06/2018 21:54	WG1094842
Bromodichloromethane	U		0.000283	0.00111	1	04/06/2018 21:54	WG1094842
Bromochloromethane	U		0.000434	0.00557	1	04/06/2018 21:54	WG1094842
Bromoform	U		0.000472	0.00111	1	04/06/2018 21:54	WG1094842
Bromomethane	U		0.00149	0.00557	1	04/06/2018 21:54	WG1094842
n-Butylbenzene	U		0.000287	0.00111	1	04/06/2018 21:54	WG1094842
sec-Butylbenzene	U		0.000224	0.00111	1	04/06/2018 21:54	WG1094842
tert-Butylbenzene	U		0.000229	0.00111	1	04/06/2018 21:54	WG1094842
Carbon disulfide	0.000311 J	J	0.000246	0.00111	1	04/06/2018 21:54	WG1094842
Carbon tetrachloride	U		0.000365	0.00111	1	04/06/2018 21:54	WG1094842
Chlorobenzene	U		0.000236	0.00111	1	04/06/2018 21:54	WG1094842
Chlorodibromomethane	U		0.000415	0.00111	1	04/06/2018 21:54	WG1094842
Chloroethane	U		0.00105	0.00557	1	04/06/2018 21:54	WG1094842
Chloroform	U		0.000255	0.00557	1	04/06/2018 21:54	WG1094842
Chloromethane	U		0.000418	0.00278	1	04/06/2018 21:54	WG1094842
2-Chlorotoluene	U		0.000335	0.00111	1	04/06/2018 21:54	WG1094842
4-Chlorotoluene	U		0.000267	0.00111	1	04/06/2018 21:54	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	04/06/2018 21:54	WG1094842
1,2-Dibromoethane	U		0.000382	0.00111	1	04/06/2018 21:54	WG1094842
Dibromomethane	U		0.000426	0.00111	1	04/06/2018 21:54	WG1094842
1,2-Dichlorobenzene	U		0.000340	0.00111	1	04/06/2018 21:54	WG1094842
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/06/2018 21:54	WG1094842
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/06/2018 21:54	WG1094842
Dichlorodifluoromethane	U		0.000794	0.00557	1	04/06/2018 21:54	WG1094842
1,1-Dichloroethane	U		0.000222	0.00111	1	04/06/2018 21:54	WG1094842
1,2-Dichloroethane	U		0.000295	0.00111	1	04/06/2018 21:54	WG1094842
1,1-Dichloroethene	U		0.000338	0.00111	1	04/06/2018 21:54	WG1094842
cis-1,2-Dichloroethene	U		0.000262	0.00111	1	04/06/2018 21:54	WG1094842
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/06/2018 21:54	WG1094842
1,2-Dichloropropane	U		0.000399	0.00111	1	04/06/2018 21:54	WG1094842
1,1-Dichloropropene	U		0.000353	0.00111	1	04/06/2018 21:54	WG1094842
1,3-Dichloropropane	U		0.000231	0.00111	1	04/06/2018 21:54	WG1094842
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/06/2018 21:54	WG1094842
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/06/2018 21:54	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000867	0.00278	1	04/06/2018 21:54	WG1094842
2,2-Dichloropropane	U		0.000311	0.00111	1	04/06/2018 21:54	WG1094842
Di-isopropyl ether	U		0.000276	0.00111	1	04/06/2018 21:54	WG1094842
Ethylbenzene	U		0.000331	0.00111	1	04/06/2018 21:54	WG1094842
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/06/2018 21:54	WG1094842
2-Hexanone	U	J3	0.00153	0.0111	1	04/06/2018 21:54	WG1094842
n-Hexane	U		0.000323	0.0111	1	04/06/2018 21:54	WG1094842
Iodomethane	U		0.00282	0.0111	1	04/06/2018 21:54	WG1094842
Isopropylbenzene	U		0.000271	0.00111	1	04/06/2018 21:54	WG1094842
p-Isopropyltoluene	U		0.000227	0.00111	1	04/06/2018 21:54	WG1094842
2-Butanone (MEK)	U	J3	0.00521	0.0111	1	04/06/2018 21:54	WG1094842
Methylene Chloride	U		0.00111	0.00557	1	04/06/2018 21:54	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00209	0.0111	1	04/06/2018 21:54	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/06/2018 21:54	WG1094842
Naphthalene	U		0.00111	0.00557	1	04/06/2018 21:54	WG1094842
n-Propylbenzene	U		0.000229	0.00111	1	04/06/2018 21:54	WG1094842
Styrene	U		0.000261	0.00111	1	04/06/2018 21:54	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/06/2018 21:54	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	04/06/2018 21:54	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00111	1	04/06/2018 21:54	WG1094842
Tetrachloroethene	0.000926 J	J	0.000307	0.00111	1	04/06/2018 21:54	WG1094842
Toluene	U		0.000483	0.00557	1	04/06/2018 21:54	WG1094842
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	04/06/2018 21:54	WG1094842
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	04/06/2018 21:54	WG1094842
1,1,1-Trichloroethane	U		0.000319	0.00111	1	04/06/2018 21:54	WG1094842
1,1,2-Trichloroethane	U		0.000309	0.00111	1	04/06/2018 21:54	WG1094842
Trichloroethene	U		0.000311	0.00111	1	04/06/2018 21:54	WG1094842
Trichlorofluoromethane	U		0.000426	0.00557	1	04/06/2018 21:54	WG1094842
1,2,3-Trichloropropane	U		0.000825	0.00278	1	04/06/2018 21:54	WG1094842
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/06/2018 21:54	WG1094842
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	04/06/2018 21:54	WG1094842
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/06/2018 21:54	WG1094842
Vinyl acetate	U		0.00266	0.0111	1	04/06/2018 21:54	WG1094842
Vinyl chloride	U		0.000324	0.00111	1	04/06/2018 21:54	WG1094842
Xylenes, Total	U	J4	0.000778	0.00334	1	04/06/2018 21:54	WG1094842
(S) Toluene-d8	*104*			*80.0-120*		*04/06/2018 21:54*	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 19:43*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/06/2018 21:54*	WG1094842
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/09/2018 19:43*	WG1094842
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/06/2018 21:54*	WG1094842
(S) 4-Bromofluorobenzene	*99.6*			*64.0-132*		*04/09/2018 19:43*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0576	1	04/06/2018 22:15	WG1094842
Acrylonitrile	U		0.00206	0.0115	1	04/06/2018 22:15	WG1094842
Benzene	U		0.000311	0.00115	1	04/06/2018 22:15	WG1094842
Bromobenzene	U		0.000327	0.00115	1	04/06/2018 22:15	WG1094842
Bromodichloromethane	U		0.000293	0.00115	1	04/06/2018 22:15	WG1094842
Bromochloromethane	U		0.000450	0.00576	1	04/06/2018 22:15	WG1094842
Bromoform	U		0.000489	0.00115	1	04/06/2018 22:15	WG1094842
Bromomethane	U		0.00154	0.00576	1	04/06/2018 22:15	WG1094842
n-Butylbenzene	U		0.000297	0.00115	1	04/06/2018 22:15	WG1094842
sec-Butylbenzene	U		0.000232	0.00115	1	04/06/2018 22:15	WG1094842
tert-Butylbenzene	U		0.000237	0.00115	1	04/06/2018 22:15	WG1094842
Carbon disulfide	U		0.000255	0.00115	1	04/06/2018 22:15	WG1094842
Carbon tetrachloride	U		0.000378	0.00115	1	04/06/2018 22:15	WG1094842
Chlorobenzene	U		0.000244	0.00115	1	04/06/2018 22:15	WG1094842
Chlorodibromomethane	U		0.000430	0.00115	1	04/06/2018 22:15	WG1094842
Chloroethane	U		0.00109	0.00576	1	04/06/2018 22:15	WG1094842
Chloroform	U		0.000264	0.00576	1	04/06/2018 22:15	WG1094842
Chloromethane	U		0.000432	0.00288	1	04/06/2018 22:15	WG1094842
2-Chlorotoluene	U		0.000347	0.00115	1	04/06/2018 22:15	WG1094842
4-Chlorotoluene	U		0.000277	0.00115	1	04/06/2018 22:15	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	04/06/2018 22:15	WG1094842
1,2-Dibromoethane	U		0.000395	0.00115	1	04/06/2018 22:15	WG1094842
Dibromomethane	U		0.000440	0.00115	1	04/06/2018 22:15	WG1094842
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/06/2018 22:15	WG1094842
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/06/2018 22:15	WG1094842
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/06/2018 22:15	WG1094842
Dichlorodifluoromethane	U		0.000822	0.00576	1	04/06/2018 22:15	WG1094842
1,1-Dichloroethane	U		0.000229	0.00115	1	04/06/2018 22:15	WG1094842
1,2-Dichloroethane	U		0.000305	0.00115	1	04/06/2018 22:15	WG1094842
1,1-Dichloroethene	U		0.000349	0.00115	1	04/06/2018 22:15	WG1094842
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	04/06/2018 22:15	WG1094842
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	04/06/2018 22:15	WG1094842
1,2-Dichloropropane	U		0.000413	0.00115	1	04/06/2018 22:15	WG1094842
1,1-Dichloropropene	U		0.000365	0.00115	1	04/06/2018 22:15	WG1094842
1,3-Dichloropropane	U		0.000239	0.00115	1	04/06/2018 22:15	WG1094842
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/06/2018 22:15	WG1094842
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/06/2018 22:15	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000897	0.00288	1	04/06/2018 22:15	WG1094842
2,2-Dichloropropane	U		0.000322	0.00115	1	04/06/2018 22:15	WG1094842
Di-isopropyl ether	U		0.000286	0.00115	1	04/06/2018 22:15	WG1094842
Ethylbenzene	U		0.000342	0.00115	1	04/06/2018 22:15	WG1094842
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/06/2018 22:15	WG1094842
2-Hexanone	U	J3	0.00158	0.0115	1	04/06/2018 22:15	WG1094842
n-Hexane	U		0.000334	0.0115	1	04/06/2018 22:15	WG1094842
Iodomethane	U		0.00292	0.0115	1	04/06/2018 22:15	WG1094842
Isopropylbenzene	U		0.000280	0.00115	1	04/06/2018 22:15	WG1094842
p-Isopropyltoluene	U		0.000235	0.00115	1	04/06/2018 22:15	WG1094842
2-Butanone (MEK)	U	J3	0.00539	0.0115	1	04/06/2018 22:15	WG1094842
Methylene Chloride	U		0.00115	0.00576	1	04/06/2018 22:15	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00217	0.0115	1	04/06/2018 22:15	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/06/2018 22:15	WG1094842
Naphthalene	U		0.00115	0.00576	1	04/06/2018 22:15	WG1094842
n-Propylbenzene	U		0.000237	0.00115	1	04/06/2018 22:15	WG1094842
Styrene	U		0.000270	0.00115	1	04/06/2018 22:15	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/06/2018 22:15	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/06/2018 22:15	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/06/2018 22:15	WG1094842
Tetrachloroethene	U		0.000318	0.00115	1	04/06/2018 22:15	WG1094842
Toluene	U		0.000500	0.00576	1	04/06/2018 22:15	WG1094842
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/06/2018 22:15	WG1094842
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/06/2018 22:15	WG1094842
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/06/2018 22:15	WG1094842
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/06/2018 22:15	WG1094842
Trichloroethene	U		0.000322	0.00115	1	04/06/2018 22:15	WG1094842
Trichlorofluoromethane	U		0.000440	0.00576	1	04/06/2018 22:15	WG1094842
1,2,3-Trichloropropane	U		0.000854	0.00288	1	04/06/2018 22:15	WG1094842
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/06/2018 22:15	WG1094842
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/06/2018 22:15	WG1094842
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/06/2018 22:15	WG1094842
Vinyl acetate	U		0.00275	0.0115	1	04/06/2018 22:15	WG1094842
Vinyl chloride	U		0.000335	0.00115	1	04/06/2018 22:15	WG1094842
Xylenes, Total	U	J4	0.000805	0.00346	1	04/06/2018 22:15	WG1094842
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2018 22:15*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 22:15*	WG1094842
(S) 4-Bromofluorobenzene	*99.6*			*64.0-132*		*04/06/2018 22:15*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0114	0.0572	1	04/06/2018 22:36	WG1094842
Acrylonitrile	U		0.00205	0.0114	1	04/06/2018 22:36	WG1094842
Benzene	U		0.000309	0.00114	1	04/06/2018 22:36	WG1094842
Bromobenzene	U		0.000325	0.00114	1	04/06/2018 22:36	WG1094842
Bromodichloromethane	U		0.000291	0.00114	1	04/06/2018 22:36	WG1094842
Bromochloromethane	U		0.000446	0.00572	1	04/06/2018 22:36	WG1094842
Bromoform	U		0.000485	0.00114	1	04/06/2018 22:36	WG1094842
Bromomethane	U		0.00153	0.00572	1	04/06/2018 22:36	WG1094842
n-Butylbenzene	U		0.000295	0.00114	1	04/06/2018 22:36	WG1094842
sec-Butylbenzene	U		0.000230	0.00114	1	04/06/2018 22:36	WG1094842
tert-Butylbenzene	U		0.000236	0.00114	1	04/06/2018 22:36	WG1094842
Carbon disulfide	U		0.000253	0.00114	1	04/06/2018 22:36	WG1094842
Carbon tetrachloride	U		0.000375	0.00114	1	04/06/2018 22:36	WG1094842
Chlorobenzene	U		0.000243	0.00114	1	04/06/2018 22:36	WG1094842
Chlorodibromomethane	U		0.000427	0.00114	1	04/06/2018 22:36	WG1094842
Chloroethane	U		0.00108	0.00572	1	04/06/2018 22:36	WG1094842
Chloroform	U		0.000262	0.00572	1	04/06/2018 22:36	WG1094842
Chloromethane	U		0.000429	0.00286	1	04/06/2018 22:36	WG1094842
2-Chlorotoluene	U		0.000345	0.00114	1	04/06/2018 22:36	WG1094842
4-Chlorotoluene	U		0.000275	0.00114	1	04/06/2018 22:36	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	04/06/2018 22:36	WG1094842
1,2-Dibromoethane	U		0.000393	0.00114	1	04/06/2018 22:36	WG1094842
Dibromomethane	U		0.000437	0.00114	1	04/06/2018 22:36	WG1094842
1,2-Dichlorobenzene	U		0.000349	0.00114	1	04/06/2018 22:36	WG1094842
1,3-Dichlorobenzene	U		0.000274	0.00114	1	04/06/2018 22:36	WG1094842
1,4-Dichlorobenzene	U		0.000259	0.00114	1	04/06/2018 22:36	WG1094842
Dichlorodifluoromethane	U		0.000816	0.00572	1	04/06/2018 22:36	WG1094842
1,1-Dichloroethane	U		0.000228	0.00114	1	04/06/2018 22:36	WG1094842
1,2-Dichloroethane	U		0.000303	0.00114	1	04/06/2018 22:36	WG1094842
1,1-Dichloroethene	U		0.000347	0.00114	1	04/06/2018 22:36	WG1094842
cis-1,2-Dichloroethene	U		0.000269	0.00114	1	04/06/2018 22:36	WG1094842
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	04/06/2018 22:36	WG1094842
1,2-Dichloropropane	U		0.000410	0.00114	1	04/06/2018 22:36	WG1094842
1,1-Dichloropropene	U		0.000363	0.00114	1	04/06/2018 22:36	WG1094842
1,3-Dichloropropane	U		0.000237	0.00114	1	04/06/2018 22:36	WG1094842
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	04/06/2018 22:36	WG1094842
trans-1,3-Dichloropropene	U		0.000306	0.00114	1	04/06/2018 22:36	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	04/06/2018 22:36	WG1094842
2,2-Dichloropropane	U		0.000319	0.00114	1	04/06/2018 22:36	WG1094842
Di-isopropyl ether	U		0.000284	0.00114	1	04/06/2018 22:36	WG1094842
Ethylbenzene	U		0.000340	0.00114	1	04/06/2018 22:36	WG1094842
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	04/06/2018 22:36	WG1094842
2-Hexanone	U	J3	0.00157	0.0114	1	04/06/2018 22:36	WG1094842
n-Hexane	U		0.000332	0.0114	1	04/06/2018 22:36	WG1094842
Iodomethane	U		0.00290	0.0114	1	04/06/2018 22:36	WG1094842
Isopropylbenzene	U		0.000278	0.00114	1	04/06/2018 22:36	WG1094842
p-Isopropyltoluene	U		0.000233	0.00114	1	04/06/2018 22:36	WG1094842
2-Butanone (MEK)	U	J3	0.00536	0.0114	1	04/06/2018 22:36	WG1094842
Methylene Chloride	U		0.00114	0.00572	1	04/06/2018 22:36	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00215	0.0114	1	04/06/2018 22:36	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00114	1	04/06/2018 22:36	WG1094842
Naphthalene	U		0.00114	0.00572	1	04/06/2018 22:36	WG1094842
n-Propylbenzene	U		0.000236	0.00114	1	04/06/2018 22:36	WG1094842
Styrene	U		0.000268	0.00114	1	04/06/2018 22:36	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	04/06/2018 22:36	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000418	0.00114	1	04/06/2018 22:36	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00114	1	04/06/2018 22:36	WG1094842
Tetrachloroethene	U		0.000316	0.00114	1	04/06/2018 22:36	WG1094842
Toluene	U		0.000497	0.00572	1	04/06/2018 22:36	WG1094842
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	04/06/2018 22:36	WG1094842
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	04/06/2018 22:36	WG1094842
1,1,1-Trichloroethane	U		0.000327	0.00114	1	04/06/2018 22:36	WG1094842
1,1,2-Trichloroethane	U		0.000317	0.00114	1	04/06/2018 22:36	WG1094842
Trichloroethene	U		0.000319	0.00114	1	04/06/2018 22:36	WG1094842
Trichlorofluoromethane	U		0.000437	0.00572	1	04/06/2018 22:36	WG1094842
1,2,3-Trichloropropane	U		0.000848	0.00286	1	04/06/2018 22:36	WG1094842
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	04/06/2018 22:36	WG1094842
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	04/06/2018 22:36	WG1094842
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	04/06/2018 22:36	WG1094842
Vinyl acetate	U		0.00274	0.0114	1	04/06/2018 22:36	WG1094842
Vinyl chloride	U		0.000333	0.00114	1	04/06/2018 22:36	WG1094842
Xylenes, Total	U	J4	0.000799	0.00343	1	04/06/2018 22:36	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2018 22:36*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 22:36*	WG1094842
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/06/2018 22:36*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	04/10/2018 09:46	WG1095650

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0111	0.0556	1	04/06/2018 22:57	WG1094842
Acrylonitrile	U		0.00199	0.0111	1	04/06/2018 22:57	WG1094842
Benzene	U		0.000300	0.00111	1	04/06/2018 22:57	WG1094842
Bromobenzene	U		0.000316	0.00111	1	04/06/2018 22:57	WG1094842
Bromodichloromethane	U		0.000282	0.00111	1	04/06/2018 22:57	WG1094842
Bromochloromethane	U		0.000433	0.00556	1	04/06/2018 22:57	WG1094842
Bromoform	U		0.000471	0.00111	1	04/06/2018 22:57	WG1094842
Bromomethane	U		0.00149	0.00556	1	04/06/2018 22:57	WG1094842
n-Butylbenzene	U		0.000287	0.00111	1	04/06/2018 22:57	WG1094842
sec-Butylbenzene	U		0.000223	0.00111	1	04/06/2018 22:57	WG1094842
tert-Butylbenzene	U		0.000229	0.00111	1	04/06/2018 22:57	WG1094842
Carbon disulfide	U		0.000246	0.00111	1	04/06/2018 22:57	WG1094842
Carbon tetrachloride	U		0.000364	0.00111	1	04/06/2018 22:57	WG1094842
Chlorobenzene	U		0.000236	0.00111	1	04/06/2018 22:57	WG1094842
Chlorodibromomethane	U		0.000414	0.00111	1	04/06/2018 22:57	WG1094842
Chloroethane	U		0.00105	0.00556	1	04/06/2018 22:57	WG1094842
Chloroform	U		0.000254	0.00556	1	04/06/2018 22:57	WG1094842
Chloromethane	U		0.000417	0.00278	1	04/06/2018 22:57	WG1094842
2-Chlorotoluene	U		0.000334	0.00111	1	04/06/2018 22:57	WG1094842
4-Chlorotoluene	U		0.000267	0.00111	1	04/06/2018 22:57	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	04/06/2018 22:57	WG1094842
1,2-Dibromoethane	U		0.000381	0.00111	1	04/06/2018 22:57	WG1094842
Dibromomethane	U		0.000424	0.00111	1	04/06/2018 22:57	WG1094842
1,2-Dichlorobenzene	U		0.000339	0.00111	1	04/06/2018 22:57	WG1094842
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/06/2018 22:57	WG1094842
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/06/2018 22:57	WG1094842
Dichlorodifluoromethane	U		0.000792	0.00556	1	04/06/2018 22:57	WG1094842
1,1-Dichloroethane	U		0.000221	0.00111	1	04/06/2018 22:57	WG1094842
1,2-Dichloroethane	U		0.000294	0.00111	1	04/06/2018 22:57	WG1094842
1,1-Dichloroethene	U		0.000337	0.00111	1	04/06/2018 22:57	WG1094842
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	04/06/2018 22:57	WG1094842
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/06/2018 22:57	WG1094842
1,2-Dichloropropane	U		0.000398	0.00111	1	04/06/2018 22:57	WG1094842
1,1-Dichloropropene	U		0.000352	0.00111	1	04/06/2018 22:57	WG1094842
1,3-Dichloropropane	U		0.000230	0.00111	1	04/06/2018 22:57	WG1094842
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/06/2018 22:57	WG1094842
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/06/2018 22:57	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	04/06/2018 22:57	WG1094842
2,2-Dichloropropane	U		0.000310	0.00111	1	04/06/2018 22:57	WG1094842
Di-isopropyl ether	U		0.000276	0.00111	1	04/06/2018 22:57	WG1094842
Ethylbenzene	U		0.000330	0.00111	1	04/06/2018 22:57	WG1094842
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	04/06/2018 22:57	WG1094842
2-Hexanone	U	J3	0.00152	0.0111	1	04/06/2018 22:57	WG1094842
n-Hexane	0.000391 J	J	0.000322	0.0111	1	04/06/2018 22:57	WG1094842
Iodomethane	U		0.00281	0.0111	1	04/06/2018 22:57	WG1094842
Isopropylbenzene	U		0.000270	0.00111	1	04/06/2018 22:57	WG1094842
p-Isopropyltoluene	U		0.000227	0.00111	1	04/06/2018 22:57	WG1094842
2-Butanone (MEK)	U	J3	0.00520	0.0111	1	04/06/2018 22:57	WG1094842
Methylene Chloride	U		0.00111	0.00556	1	04/06/2018 22:57	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00209	0.0111	1	04/06/2018 22:57	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/06/2018 22:57	WG1094842
Naphthalene	U		0.00111	0.00556	1	04/06/2018 22:57	WG1094842
n-Propylbenzene	U		0.000229	0.00111	1	04/06/2018 22:57	WG1094842
Styrene	U		0.000260	0.00111	1	04/06/2018 22:57	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/06/2018 22:57	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/06/2018 22:57	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/06/2018 22:57	WG1094842
Tetrachloroethene	0.000448 J	J	0.000307	0.00111	1	04/06/2018 22:57	WG1094842
Toluene	U		0.000482	0.00556	1	04/06/2018 22:57	WG1094842
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	04/06/2018 22:57	WG1094842
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	04/06/2018 22:57	WG1094842
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/06/2018 22:57	WG1094842
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/06/2018 22:57	WG1094842
Trichloroethene	U		0.000310	0.00111	1	04/06/2018 22:57	WG1094842
Trichlorofluoromethane	U		0.000424	0.00556	1	04/06/2018 22:57	WG1094842
1,2,3-Trichloropropane	U		0.000823	0.00278	1	04/06/2018 22:57	WG1094842
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/06/2018 22:57	WG1094842
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	04/06/2018 22:57	WG1094842
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/06/2018 22:57	WG1094842
Vinyl acetate	U		0.00266	0.0111	1	04/06/2018 22:57	WG1094842
Vinyl chloride	U		0.000323	0.00111	1	04/06/2018 22:57	WG1094842
Xylenes, Total	U	J4	0.000776	0.00333	1	04/06/2018 22:57	WG1094842
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2018 22:57*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/06/2018 22:57*	WG1094842
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*04/06/2018 22:57*	WG1094842

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		1.05	25.0	1	04/06/2018 00:40	WG1094421	
Acrylonitrile	U		0.873	5.00	1	04/06/2018 00:40	WG1094421	
Benzene	U		0.0896	0.500	1	04/06/2018 00:40	WG1094421	
Bromobenzene	U		0.133	0.500	1	04/06/2018 00:40	WG1094421	
Bromodichloromethane	U		0.0800	0.500	1	04/06/2018 00:40	WG1094421	
Bromochloromethane	U		0.145	0.500	1	04/06/2018 00:40	WG1094421	
Bromoform	U		0.186	0.500	1	04/06/2018 00:40	WG1094421	
Bromomethane	U		0.157	2.50	1	04/06/2018 00:40	WG1094421	
n-Butylbenzene	U		0.143	0.500	1	04/06/2018 00:40	WG1094421	
sec-Butylbenzene	U		0.134	0.500	1	04/06/2018 00:40	WG1094421	
tert-Butylbenzene	U		0.183	0.500	1	04/06/2018 00:40	WG1094421	
Carbon disulfide	U		0.101	0.500	1	04/06/2018 00:40	WG1094421	
Carbon tetrachloride	U		0.159	0.500	1	04/06/2018 00:40	WG1094421	
Chlorobenzene	U		0.140	0.500	1	04/06/2018 00:40	WG1094421	
Chlorodibromomethane	U		0.128	0.500	1	04/06/2018 00:40	WG1094421	
Chloroethane	U		0.141	2.50	1	04/06/2018 00:40	WG1094421	
Chloroform	U		0.0860	0.500	1	04/06/2018 00:40	WG1094421	
Chloromethane	U		0.153	1.25	1	04/06/2018 00:40	WG1094421	
2-Chlorotoluene	U		0.111	0.500	1	04/06/2018 00:40	WG1094421	
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2018 00:40	WG1094421	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2018 00:40	WG1094421	
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2018 00:40	WG1094421	
Dibromomethane	U		0.117	0.500	1	04/06/2018 00:40	WG1094421	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2018 00:40	WG1094421	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2018 00:40	WG1094421	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2018 00:40	WG1094421	
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2018 00:40	WG1094421	
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2018 00:40	WG1094421	JC 4/25/18
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2018 00:40	WG1094421	
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2018 00:40	WG1094421	
cis-1,2-Dichloroethene	0.147	U B J	0.0933	0.500	1	04/06/2018 00:40	WG1094421	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2018 00:40	WG1094421	
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2018 00:40	WG1094421	
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2018 00:40	WG1094421	
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2018 00:40	WG1094421	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2018 00:40	WG1094421	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2018 00:40	WG1094421	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2018 00:40	WG1094421	
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2018 00:40	WG1094421	
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2018 00:40	WG1094421	
Ethylbenzene	U		0.158	0.500	1	04/06/2018 00:40	WG1094421	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2018 00:40	WG1094421	
2-Hexanone	U		0.757	5.00	1	04/06/2018 00:40	WG1094421	
n-Hexane	U		0.305	5.00	1	04/06/2018 00:40	WG1094421	
Iodomethane	U		0.377	10.0	1	04/06/2018 00:40	WG1094421	
Isopropylbenzene	U		0.126	0.500	1	04/06/2018 00:40	WG1094421	
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2018 00:40	WG1094421	
2-Butanone (MEK)	U		1.28	5.00	1	04/06/2018 00:40	WG1094421	
Methylene Chloride	U		1.07	2.50	1	04/06/2018 00:40	WG1094421	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2018 00:40	WG1094421	
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2018 00:40	WG1094421	
Naphthalene	U		0.174	2.50	1	04/06/2018 00:40	WG1094421	
n-Propylbenzene	U		0.162	0.500	1	04/06/2018 00:40	WG1094421	
Styrene	U		0.117	0.500	1	04/06/2018 00:40	WG1094421	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2018 00:40	WG1094421	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2018 00:40	WG1094421	

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

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/06/2018 00:40	WG1094421
Tetrachloroethene	0.424	U	B J	0.199	0.500	1	04/06/2018 00:40	WG1094421
Toluene	U			0.412	0.500	1	04/06/2018 00:40	WG1094421
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/06/2018 00:40	WG1094421
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/06/2018 00:40	WG1094421
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/06/2018 00:40	WG1094421
1,1,2-Trichloroethane	U			0.186	0.500	1	04/06/2018 00:40	WG1094421
Trichloroethene	U			0.153	0.500	1	04/06/2018 00:40	WG1094421
Trichlorofluoromethane	U			0.130	2.50	1	04/06/2018 00:40	WG1094421
1,2,3-Trichloropropane	U			0.247	2.50	1	04/06/2018 00:40	WG1094421
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/06/2018 00:40	WG1094421
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/06/2018 00:40	WG1094421
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/06/2018 00:40	WG1094421
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/06/2018 00:40	WG1094421
Vinyl chloride	U			0.118	0.500	1	04/06/2018 00:40	WG1094421
Xylenes, Total	U			0.316	1.50	1	04/06/2018 00:40	WG1094421
(S) Toluene-d8	*106*				*80.0-120*		*04/06/2018 00:40*	WG1094421
(S) Dibromofluoromethane	*91.8*				*76.0-123*		*04/06/2018 00:40*	WG1094421
(S) 4-Bromofluorobenzene	*80.0*				*80.0-120*		*04/06/2018 00:40*	WG1094421

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ANALYTICAL REPORT

April 16, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L983460
Samples Received:	04/05/2018
Project Number:	1413.001.05.601
Description:	

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

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

B-242-5 L983460-01 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 08:57 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 08:57	04/06/18 23:18	BMB

B-242-10 L983460-02 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 09:06 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 09:06	04/06/18 23:39	BMB

B-242-15 L983460-03 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 09:15 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 09:15	04/07/18 00:01	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	100	04/04/18 09:15	04/09/18 21:29	DWR

B-242-20 L983460-04 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 09:24 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 09:24	04/07/18 00:22	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	100	04/04/18 09:24	04/09/18 21:50	DWR

B-242-25 L983460-05 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 09:32 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	100	04/04/18 09:32	04/07/18 03:32	BMB

B-242-30 L983460-06 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 09:40 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 09:40	04/07/18 00:43	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 09:40	04/09/18 20:04	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	25	04/04/18 09:40	04/10/18 12:35	JHH

B-242-35 L983460-07 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 09:48 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 09:48	04/07/18 01:04	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 09:48	04/09/18 20:25	DWR

B-242-40 L983460-08 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 10:05 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 10:05	04/07/18 01:25	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094842	1	04/04/18 10:05	04/09/18 20:46	DWR

B-242-45 L983460-09 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 10:22 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/04/18 10:22	04/07/18 01:47	LRL

B-242-50 L983460-10 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 10:34 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095652	1	04/09/18 16:02	04/09/18 16:13	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/04/18 10:34	04/07/18 02:09	LRL

B-242-55 L983460-11 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 10:52 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/04/18 10:52	04/07/18 02:30	LRL

B-242-60 L983460-12 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 10:59 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/04/18 10:59	04/07/18 02:51	LRL

B-242-65 L983460-13 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 11:07 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/04/18 11:07	04/07/18 03:13	LRL

B-242-70 L983460-14 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 11:20 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/04/18 11:20	04/07/18 03:34	LRL

B-242-75 L983460-15 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 11:36 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/04/18 11:36	04/07/18 03:56	LRL

B-242-80 L983460-16 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 11:45 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/04/18 11:45	04/07/18 04:17	LRL

B-910-50 L983460-17 Solid

Collected by: DJ/RTM | Collected date/time: 04/04/18 11:07 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/04/18 11:07	04/07/18 04:39	LRL

TRIP BLANK L983460-18 GW

Collected by: DJ/RTM | Collected date/time: 04/04/18 00:00 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094689	1	04/06/18 13:19	04/06/18 13:19	JBE

B-241-65 L983460-19 Solid

Collected by: DJ/RTM | Collected date/time: 04/03/18 14:26 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 14:26	04/07/18 05:00	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	100	04/03/18 14:26	04/11/18 18:12	BMB

B-241-40 L983460-20 Solid

Collected by: DJ/RTM | Collected date/time: 04/03/18 13:04 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 13:04	04/07/18 05:22	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 13:04	04/11/18 17:01	BMB

B-241-70 L983460-21 Solid

Collected by: DJ/RTM | Collected date/time: 04/03/18 14:39 | Received date/time: 04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095653	1	04/09/18 15:45	04/09/18 15:57	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 14:39	04/07/18 05:43	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 14:39	04/11/18 17:20	BMB

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

B-241-30 L983460-22 Solid

Collected by	Collected date/time	Received date/time
DJ/RTM	04/03/18 11:58	04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095654	1	04/09/18 15:11	04/09/18 15:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 11:58	04/07/18 06:05	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	25	04/03/18 11:58	04/11/18 18:33	BMB

B-241-60 L983460-23 Solid

Collected by	Collected date/time	Received date/time
DJ/RTM	04/03/18 14:10	04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095654	1	04/09/18 15:11	04/09/18 15:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 14:10	04/07/18 06:26	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 14:10	04/11/18 17:40	BMB

B-241-45 L983460-24 Solid

Collected by	Collected date/time	Received date/time
DJ/RTM	04/03/18 13:20	04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095654	1	04/09/18 15:11	04/09/18 15:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 13:20	04/07/18 06:48	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	25	04/03/18 13:20	04/11/18 18:54	BMB

B-241-35 L983460-25 Solid

Collected by	Collected date/time	Received date/time
DJ/RTM	04/03/18 12:04	04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095654	1	04/09/18 15:11	04/09/18 15:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 12:04	04/07/18 07:09	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 12:04	04/11/18 18:00	BMB

B-241-75 L983460-26 Solid

Collected by	Collected date/time	Received date/time
DJ/RTM	04/03/18 14:56	04/05/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095654	1	04/09/18 15:11	04/09/18 15:28	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	1	04/03/18 14:56	04/07/18 07:31	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094858	25	04/03/18 14:56	04/11/18 19:15	BMB

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

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0109	0.0543	1	04/06/2018 23:18	WG1094842
Acrylonitrile	U		0.00194	0.0109	1	04/06/2018 23:18	WG1094842
Benzene	U		0.000293	0.00109	1	04/06/2018 23:18	WG1094842
Bromobenzene	U		0.000308	0.00109	1	04/06/2018 23:18	WG1094842
Bromodichloromethane	U		0.000276	0.00109	1	04/06/2018 23:18	WG1094842
Bromochloromethane	U		0.000423	0.00543	1	04/06/2018 23:18	WG1094842
Bromoform	U		0.000460	0.00109	1	04/06/2018 23:18	WG1094842
Bromomethane	U		0.00145	0.00543	1	04/06/2018 23:18	WG1094842
n-Butylbenzene	U		0.000280	0.00109	1	04/06/2018 23:18	WG1094842
sec-Butylbenzene	U		0.000218	0.00109	1	04/06/2018 23:18	WG1094842
tert-Butylbenzene	U		0.000224	0.00109	1	04/06/2018 23:18	WG1094842
Carbon disulfide	0.000251	J	0.000240	0.00109	1	04/06/2018 23:18	WG1094842
Carbon tetrachloride	U		0.000356	0.00109	1	04/06/2018 23:18	WG1094842
Chlorobenzene	U		0.000230	0.00109	1	04/06/2018 23:18	WG1094842
Chlorodibromomethane	U		0.000405	0.00109	1	04/06/2018 23:18	WG1094842
Chloroethane	U		0.00103	0.00543	1	04/06/2018 23:18	WG1094842
Chloroform	U		0.000249	0.00543	1	04/06/2018 23:18	WG1094842
Chloromethane	U		0.000407	0.00271	1	04/06/2018 23:18	WG1094842
2-Chlorotoluene	U		0.000327	0.00109	1	04/06/2018 23:18	WG1094842
4-Chlorotoluene	U		0.000260	0.00109	1	04/06/2018 23:18	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	04/06/2018 23:18	WG1094842
1,2-Dibromoethane	U		0.000372	0.00109	1	04/06/2018 23:18	WG1094842
Dibromomethane	U		0.000415	0.00109	1	04/06/2018 23:18	WG1094842
1,2-Dichlorobenzene	U		0.000331	0.00109	1	04/06/2018 23:18	WG1094842
1,3-Dichlorobenzene	U		0.000259	0.00109	1	04/06/2018 23:18	WG1094842
1,4-Dichlorobenzene	U		0.000245	0.00109	1	04/06/2018 23:18	WG1094842
Dichlorodifluoromethane	U		0.000774	0.00543	1	04/06/2018 23:18	WG1094842
1,1-Dichloroethane	U		0.000216	0.00109	1	04/06/2018 23:18	WG1094842
1,2-Dichloroethane	U		0.000288	0.00109	1	04/06/2018 23:18	WG1094842
1,1-Dichloroethene	U		0.000329	0.00109	1	04/06/2018 23:18	WG1094842
cis-1,2-Dichloroethene	0.00494		0.000255	0.00109	1	04/06/2018 23:18	WG1094842
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/06/2018 23:18	WG1094842
1,2-Dichloropropane	U		0.000389	0.00109	1	04/06/2018 23:18	WG1094842
1,1-Dichloropropene	U		0.000344	0.00109	1	04/06/2018 23:18	WG1094842
1,3-Dichloropropane	U		0.000225	0.00109	1	04/06/2018 23:18	WG1094842
cis-1,3-Dichloropropene	U		0.000284	0.00109	1	04/06/2018 23:18	WG1094842
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	04/06/2018 23:18	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	04/06/2018 23:18	WG1094842
2,2-Dichloropropane	U		0.000303	0.00109	1	04/06/2018 23:18	WG1094842
Di-isopropyl ether	U		0.000269	0.00109	1	04/06/2018 23:18	WG1094842
Ethylbenzene	U		0.000322	0.00109	1	04/06/2018 23:18	WG1094842
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	04/06/2018 23:18	WG1094842
2-Hexanone	U	J3	0.00149	0.0109	1	04/06/2018 23:18	WG1094842
n-Hexane	U		0.000315	0.0109	1	04/06/2018 23:18	WG1094842
Iodomethane	U		0.00275	0.0109	1	04/06/2018 23:18	WG1094842
Isopropylbenzene	U		0.000264	0.00109	1	04/06/2018 23:18	WG1094842
p-Isopropyltoluene	U		0.000221	0.00109	1	04/06/2018 23:18	WG1094842
2-Butanone (MEK)	U	J3	0.00508	0.0109	1	04/06/2018 23:18	WG1094842
Methylene Chloride	U		0.00109	0.00543	1	04/06/2018 23:18	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00204	0.0109	1	04/06/2018 23:18	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00109	1	04/06/2018 23:18	WG1094842
Naphthalene	U		0.00109	0.00543	1	04/06/2018 23:18	WG1094842
n-Propylbenzene	U		0.000224	0.00109	1	04/06/2018 23:18	WG1094842
Styrene	U		0.000254	0.00109	1	04/06/2018 23:18	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/06/2018 23:18	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	04/06/2018 23:18	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	04/06/2018 23:18	WG1094842
Tetrachloroethene	0.0116		0.000300	0.00109	1	04/06/2018 23:18	WG1094842
Toluene	U		0.000471	0.00543	1	04/06/2018 23:18	WG1094842
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	04/06/2018 23:18	WG1094842
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	04/06/2018 23:18	WG1094842
1,1,1-Trichloroethane	U		0.000310	0.00109	1	04/06/2018 23:18	WG1094842
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/06/2018 23:18	WG1094842
Trichloroethene	0.00647		0.000303	0.00109	1	04/06/2018 23:18	WG1094842
Trichlorofluoromethane	U		0.000415	0.00543	1	04/06/2018 23:18	WG1094842
1,2,3-Trichloropropane	U		0.000804	0.00271	1	04/06/2018 23:18	WG1094842
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	04/06/2018 23:18	WG1094842
1,2,3-Trimethylbenzene	U		0.000311	0.00109	1	04/06/2018 23:18	WG1094842
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/06/2018 23:18	WG1094842
Vinyl acetate	U		0.00259	0.0109	1	04/06/2018 23:18	WG1094842
Vinyl chloride	U		0.000316	0.00109	1	04/06/2018 23:18	WG1094842
Xylenes, Total	U	J4	0.000758	0.00326	1	04/06/2018 23:18	WG1094842
(S) Toluene-d8	*100*			*80.0-120*		*04/06/2018 23:18*	WG1094842
(S) Dibromofluoromethane	*98.8*			*74.0-131*		*04/06/2018 23:18*	WG1094842
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*04/06/2018 23:18*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0109	0.0547	1	04/06/2018 23:39	WG1094842
Acrylonitrile	U		0.00196	0.0109	1	04/06/2018 23:39	WG1094842
Benzene	U		0.000296	0.00109	1	04/06/2018 23:39	WG1094842
Bromobenzene	U		0.000311	0.00109	1	04/06/2018 23:39	WG1094842
Bromodichloromethane	U		0.000278	0.00109	1	04/06/2018 23:39	WG1094842
Bromochloromethane	U		0.000427	0.00547	1	04/06/2018 23:39	WG1094842
Bromoform	U		0.000464	0.00109	1	04/06/2018 23:39	WG1094842
Bromomethane	U		0.00147	0.00547	1	04/06/2018 23:39	WG1094842
n-Butylbenzene	U		0.000282	0.00109	1	04/06/2018 23:39	WG1094842
sec-Butylbenzene	U		0.000220	0.00109	1	04/06/2018 23:39	WG1094842
tert-Butylbenzene	U		0.000225	0.00109	1	04/06/2018 23:39	WG1094842
Carbon disulfide	U		0.000242	0.00109	1	04/06/2018 23:39	WG1094842
Carbon tetrachloride	U		0.000359	0.00109	1	04/06/2018 23:39	WG1094842
Chlorobenzene	U		0.000232	0.00109	1	04/06/2018 23:39	WG1094842
Chlorodibromomethane	U		0.000408	0.00109	1	04/06/2018 23:39	WG1094842
Chloroethane	U		0.00104	0.00547	1	04/06/2018 23:39	WG1094842
Chloroform	U		0.000251	0.00547	1	04/06/2018 23:39	WG1094842
Chloromethane	U		0.000410	0.00274	1	04/06/2018 23:39	WG1094842
2-Chlorotoluene	U		0.000329	0.00109	1	04/06/2018 23:39	WG1094842
4-Chlorotoluene	U		0.000263	0.00109	1	04/06/2018 23:39	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	04/06/2018 23:39	WG1094842
1,2-Dibromoethane	U		0.000375	0.00109	1	04/06/2018 23:39	WG1094842
Dibromomethane	U		0.000418	0.00109	1	04/06/2018 23:39	WG1094842
1,2-Dichlorobenzene	U		0.000334	0.00109	1	04/06/2018 23:39	WG1094842
1,3-Dichlorobenzene	U		0.000262	0.00109	1	04/06/2018 23:39	WG1094842
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/06/2018 23:39	WG1094842
Dichlorodifluoromethane	U		0.000780	0.00547	1	04/06/2018 23:39	WG1094842
1,1-Dichloroethane	U		0.000218	0.00109	1	04/06/2018 23:39	WG1094842
1,2-Dichloroethane	U		0.000290	0.00109	1	04/06/2018 23:39	WG1094842
1,1-Dichloroethene	U		0.000332	0.00109	1	04/06/2018 23:39	WG1094842
cis-1,2-Dichloroethene	0.00156		0.000257	0.00109	1	04/06/2018 23:39	WG1094842
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	04/06/2018 23:39	WG1094842
1,2-Dichloropropane	U		0.000392	0.00109	1	04/06/2018 23:39	WG1094842
1,1-Dichloropropene	U		0.000347	0.00109	1	04/06/2018 23:39	WG1094842
1,3-Dichloropropane	U		0.000227	0.00109	1	04/06/2018 23:39	WG1094842
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	04/06/2018 23:39	WG1094842
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/06/2018 23:39	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000852	0.00274	1	04/06/2018 23:39	WG1094842
2,2-Dichloropropane	U		0.000305	0.00109	1	04/06/2018 23:39	WG1094842
Di-isopropyl ether	U		0.000271	0.00109	1	04/06/2018 23:39	WG1094842
Ethylbenzene	U		0.000325	0.00109	1	04/06/2018 23:39	WG1094842
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	04/06/2018 23:39	WG1094842
2-Hexanone	U	J3	0.00150	0.0109	1	04/06/2018 23:39	WG1094842
n-Hexane	U		0.000317	0.0109	1	04/06/2018 23:39	WG1094842
Iodomethane	U		0.00277	0.0109	1	04/06/2018 23:39	WG1094842
Isopropylbenzene	U		0.000266	0.00109	1	04/06/2018 23:39	WG1094842
p-Isopropyltoluene	U		0.000223	0.00109	1	04/06/2018 23:39	WG1094842
2-Butanone (MEK)	U	J3	0.00512	0.0109	1	04/06/2018 23:39	WG1094842
Methylene Chloride	U		0.00109	0.00547	1	04/06/2018 23:39	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00206	0.0109	1	04/06/2018 23:39	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/06/2018 23:39	WG1094842
Naphthalene	U		0.00109	0.00547	1	04/06/2018 23:39	WG1094842
n-Propylbenzene	U		0.000225	0.00109	1	04/06/2018 23:39	WG1094842
Styrene	U		0.000256	0.00109	1	04/06/2018 23:39	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	04/06/2018 23:39	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/06/2018 23:39	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/06/2018 23:39	WG1094842
Tetrachloroethene	0.0783		0.000302	0.00109	1	04/06/2018 23:39	WG1094842
Toluene	U		0.000475	0.00547	1	04/06/2018 23:39	WG1094842
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	04/06/2018 23:39	WG1094842
1,2,4-Trichlorobenzene	U		0.000425	0.00109	1	04/06/2018 23:39	WG1094842
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/06/2018 23:39	WG1094842
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/06/2018 23:39	WG1094842
Trichloroethene	0.00835		0.000305	0.00109	1	04/06/2018 23:39	WG1094842
Trichlorofluoromethane	U		0.000418	0.00547	1	04/06/2018 23:39	WG1094842
1,2,3-Trichloropropane	U		0.000811	0.00274	1	04/06/2018 23:39	WG1094842
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/06/2018 23:39	WG1094842
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/06/2018 23:39	WG1094842
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/06/2018 23:39	WG1094842
Vinyl acetate	U		0.00262	0.0109	1	04/06/2018 23:39	WG1094842
Vinyl chloride	U		0.000319	0.00109	1	04/06/2018 23:39	WG1094842
Xylenes, Total	U	J4	0.000764	0.00328	1	04/06/2018 23:39	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2018 23:39*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 23:39*	WG1094842
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/06/2018 23:39*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0117	0.0583	1	04/07/2018 00:01	WG1094842
Acrylonitrile	U		0.00209	0.0117	1	04/07/2018 00:01	WG1094842
Benzene	U		0.000315	0.00117	1	04/07/2018 00:01	WG1094842
Bromobenzene	U		0.000331	0.00117	1	04/07/2018 00:01	WG1094842
Bromodichloromethane	U		0.000296	0.00117	1	04/07/2018 00:01	WG1094842
Bromochloromethane	U		0.000455	0.00583	1	04/07/2018 00:01	WG1094842
Bromoform	U		0.000494	0.00117	1	04/07/2018 00:01	WG1094842
Bromomethane	U		0.00156	0.00583	1	04/07/2018 00:01	WG1094842
n-Butylbenzene	U		0.000301	0.00117	1	04/07/2018 00:01	WG1094842
sec-Butylbenzene	U		0.000234	0.00117	1	04/07/2018 00:01	WG1094842
tert-Butylbenzene	U		0.000240	0.00117	1	04/07/2018 00:01	WG1094842
Carbon disulfide	U		0.000258	0.00117	1	04/07/2018 00:01	WG1094842
Carbon tetrachloride	U		0.000382	0.00117	1	04/07/2018 00:01	WG1094842
Chlorobenzene	U		0.000247	0.00117	1	04/07/2018 00:01	WG1094842
Chlorodibromomethane	U		0.000435	0.00117	1	04/07/2018 00:01	WG1094842
Chloroethane	U		0.00110	0.00583	1	04/07/2018 00:01	WG1094842
Chloroform	U		0.000267	0.00583	1	04/07/2018 00:01	WG1094842
Chloromethane	U		0.000437	0.00292	1	04/07/2018 00:01	WG1094842
2-Chlorotoluene	U		0.000351	0.00117	1	04/07/2018 00:01	WG1094842
4-Chlorotoluene	U		0.000280	0.00117	1	04/07/2018 00:01	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00583	1	04/07/2018 00:01	WG1094842
1,2-Dibromoethane	U		0.000400	0.00117	1	04/07/2018 00:01	WG1094842
Dibromomethane	U		0.000445	0.00117	1	04/07/2018 00:01	WG1094842
1,2-Dichlorobenzene	U		0.000356	0.00117	1	04/07/2018 00:01	WG1094842
1,3-Dichlorobenzene	U		0.000279	0.00117	1	04/07/2018 00:01	WG1094842
1,4-Dichlorobenzene	U		0.000264	0.00117	1	04/07/2018 00:01	WG1094842
Dichlorodifluoromethane	U		0.000831	0.00583	1	04/07/2018 00:01	WG1094842
1,1-Dichloroethane	U		0.000232	0.00117	1	04/07/2018 00:01	WG1094842
1,2-Dichloroethane	U		0.000309	0.00117	1	04/07/2018 00:01	WG1094842
1,1-Dichloroethene	U		0.000353	0.00117	1	04/07/2018 00:01	WG1094842
cis-1,2-Dichloroethene	0.00483		0.000274	0.00117	1	04/07/2018 00:01	WG1094842
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	04/07/2018 00:01	WG1094842
1,2-Dichloropropane	U		0.000417	0.00117	1	04/07/2018 00:01	WG1094842
1,1-Dichloropropene	U		0.000370	0.00117	1	04/07/2018 00:01	WG1094842
1,3-Dichloropropane	U		0.000241	0.00117	1	04/07/2018 00:01	WG1094842
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	04/07/2018 00:01	WG1094842
trans-1,3-Dichloropropene	U		0.000311	0.00117	1	04/07/2018 00:01	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000907	0.00292	1	04/07/2018 00:01	WG1094842
2,2-Dichloropropane	U		0.000325	0.00117	1	04/07/2018 00:01	WG1094842
Di-isopropyl ether	U		0.000289	0.00117	1	04/07/2018 00:01	WG1094842
Ethylbenzene	U		0.000346	0.00117	1	04/07/2018 00:01	WG1094842
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	04/07/2018 00:01	WG1094842
2-Hexanone	U	J3	0.00160	0.0117	1	04/07/2018 00:01	WG1094842
n-Hexane	U		0.000338	0.0117	1	04/07/2018 00:01	WG1094842
Iodomethane	U		0.00295	0.0117	1	04/07/2018 00:01	WG1094842
Isopropylbenzene	U		0.000283	0.00117	1	04/07/2018 00:01	WG1094842
p-Isopropyltoluene	U		0.000238	0.00117	1	04/07/2018 00:01	WG1094842
2-Butanone (MEK)	U	J3	0.00546	0.0117	1	04/07/2018 00:01	WG1094842
Methylene Chloride	U		0.00117	0.00583	1	04/07/2018 00:01	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00219	0.0117	1	04/07/2018 00:01	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00117	1	04/07/2018 00:01	WG1094842
Naphthalene	U		0.00117	0.00583	1	04/07/2018 00:01	WG1094842
n-Propylbenzene	U		0.000240	0.00117	1	04/07/2018 00:01	WG1094842
Styrene	U		0.000273	0.00117	1	04/07/2018 00:01	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	04/07/2018 00:01	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	04/07/2018 00:01	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	04/07/2018 00:01	WG1094842
Tetrachloroethene	1.97		0.0322	0.117	100	04/09/2018 21:29	WG1094842
Toluene	U		0.000506	0.00583	1	04/07/2018 00:01	WG1094842
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	04/07/2018 00:01	WG1094842
1,2,4-Trichlorobenzene	U		0.000452	0.00117	1	04/07/2018 00:01	WG1094842
1,1,1-Trichloroethane	U		0.000333	0.00117	1	04/07/2018 00:01	WG1094842
1,1,2-Trichloroethane	U		0.000323	0.00117	1	04/07/2018 00:01	WG1094842
Trichloroethene	0.0304		0.000325	0.00117	1	04/07/2018 00:01	WG1094842
Trichlorofluoromethane	U		0.000445	0.00583	1	04/07/2018 00:01	WG1094842
1,2,3-Trichloropropane	U		0.000864	0.00292	1	04/07/2018 00:01	WG1094842
1,2,4-Trimethylbenzene	0.000264	J	0.000246	0.00117	1	04/07/2018 00:01	WG1094842
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	04/07/2018 00:01	WG1094842
1,3,5-Trimethylbenzene	U		0.000310	0.00117	1	04/07/2018 00:01	WG1094842
Vinyl acetate	U		0.00279	0.0117	1	04/07/2018 00:01	WG1094842
Vinyl chloride	U		0.000339	0.00117	1	04/07/2018 00:01	WG1094842
Xylenes, Total	U	J4	0.000814	0.00350	1	04/07/2018 00:01	WG1094842
(S) Toluene-d8	*108*			*80.0-120*		*04/09/2018 21:29*	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/07/2018 00:01*	WG1094842
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/07/2018 00:01*	WG1094842
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*04/09/2018 21:29*	WG1094842
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*04/09/2018 21:29*	WG1094842
(S) 4-Bromofluorobenzene	*97.8*			*64.0-132*		*04/07/2018 00:01*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0566	1	04/07/2018 00:22	WG1094842
Acrylonitrile	U		0.00203	0.0113	1	04/07/2018 00:22	WG1094842
Benzene	U		0.000306	0.00113	1	04/07/2018 00:22	WG1094842
Bromobenzene	U		0.000322	0.00113	1	04/07/2018 00:22	WG1094842
Bromodichloromethane	U		0.000288	0.00113	1	04/07/2018 00:22	WG1094842
Bromochloromethane	U		0.000442	0.00566	1	04/07/2018 00:22	WG1094842
Bromoform	U		0.000480	0.00113	1	04/07/2018 00:22	WG1094842
Bromomethane	U		0.00152	0.00566	1	04/07/2018 00:22	WG1094842
n-Butylbenzene	U		0.000292	0.00113	1	04/07/2018 00:22	WG1094842
sec-Butylbenzene	U		0.000228	0.00113	1	04/07/2018 00:22	WG1094842
tert-Butylbenzene	U		0.000233	0.00113	1	04/07/2018 00:22	WG1094842
Carbon disulfide	U		0.000250	0.00113	1	04/07/2018 00:22	WG1094842
Carbon tetrachloride	U		0.000372	0.00113	1	04/07/2018 00:22	WG1094842
Chlorobenzene	U		0.000240	0.00113	1	04/07/2018 00:22	WG1094842
Chlorodibromomethane	U		0.000423	0.00113	1	04/07/2018 00:22	WG1094842
Chloroethane	U		0.00107	0.00566	1	04/07/2018 00:22	WG1094842
Chloroform	U		0.000259	0.00566	1	04/07/2018 00:22	WG1094842
Chloromethane	U		0.000425	0.00283	1	04/07/2018 00:22	WG1094842
2-Chlorotoluene	U		0.000341	0.00113	1	04/07/2018 00:22	WG1094842
4-Chlorotoluene	U		0.000272	0.00113	1	04/07/2018 00:22	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/07/2018 00:22	WG1094842
1,2-Dibromoethane	U		0.000389	0.00113	1	04/07/2018 00:22	WG1094842
Dibromomethane	U		0.000433	0.00113	1	04/07/2018 00:22	WG1094842
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/07/2018 00:22	WG1094842
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/07/2018 00:22	WG1094842
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/07/2018 00:22	WG1094842
Dichlorodifluoromethane	U		0.000808	0.00566	1	04/07/2018 00:22	WG1094842
1,1-Dichloroethane	U		0.000225	0.00113	1	04/07/2018 00:22	WG1094842
1,2-Dichloroethane	U		0.000300	0.00113	1	04/07/2018 00:22	WG1094842
1,1-Dichloroethene	U		0.000343	0.00113	1	04/07/2018 00:22	WG1094842
cis-1,2-Dichloroethene	0.00878		0.000266	0.00113	1	04/07/2018 00:22	WG1094842
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/07/2018 00:22	WG1094842
1,2-Dichloropropane	U		0.000406	0.00113	1	04/07/2018 00:22	WG1094842
1,1-Dichloropropene	U		0.000359	0.00113	1	04/07/2018 00:22	WG1094842
1,3-Dichloropropane	U		0.000235	0.00113	1	04/07/2018 00:22	WG1094842
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/07/2018 00:22	WG1094842
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/07/2018 00:22	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000881	0.00283	1	04/07/2018 00:22	WG1094842
2,2-Dichloropropane	U		0.000316	0.00113	1	04/07/2018 00:22	WG1094842
Di-isopropyl ether	U		0.000281	0.00113	1	04/07/2018 00:22	WG1094842
Ethylbenzene	U		0.000336	0.00113	1	04/07/2018 00:22	WG1094842
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/07/2018 00:22	WG1094842
2-Hexanone	U	J3	0.00155	0.0113	1	04/07/2018 00:22	WG1094842
n-Hexane	U		0.000329	0.0113	1	04/07/2018 00:22	WG1094842
Iodomethane	U		0.00287	0.0113	1	04/07/2018 00:22	WG1094842
Isopropylbenzene	U		0.000275	0.00113	1	04/07/2018 00:22	WG1094842
p-Isopropyltoluene	U		0.000231	0.00113	1	04/07/2018 00:22	WG1094842
2-Butanone (MEK)	U	J3	0.00530	0.0113	1	04/07/2018 00:22	WG1094842
Methylene Chloride	U		0.00113	0.00566	1	04/07/2018 00:22	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00213	0.0113	1	04/07/2018 00:22	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/07/2018 00:22	WG1094842
Naphthalene	U		0.00113	0.00566	1	04/07/2018 00:22	WG1094842
n-Propylbenzene	U		0.000233	0.00113	1	04/07/2018 00:22	WG1094842
Styrene	U		0.000265	0.00113	1	04/07/2018 00:22	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/07/2018 00:22	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/07/2018 00:22	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/07/2018 00:22	WG1094842
Tetrachloroethene	6.61		0.0313	0.113	100	04/09/2018 21:50	WG1094842
Toluene	U		0.000492	0.00566	1	04/07/2018 00:22	WG1094842
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/07/2018 00:22	WG1094842
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/07/2018 00:22	WG1094842
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/07/2018 00:22	WG1094842
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/07/2018 00:22	WG1094842
Trichloroethene	0.0335		0.000316	0.00113	1	04/07/2018 00:22	WG1094842
Trichlorofluoromethane	U		0.000433	0.00566	1	04/07/2018 00:22	WG1094842
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/07/2018 00:22	WG1094842
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/07/2018 00:22	WG1094842
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/07/2018 00:22	WG1094842
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/07/2018 00:22	WG1094842
Vinyl acetate	U		0.00271	0.0113	1	04/07/2018 00:22	WG1094842
Vinyl chloride	U		0.000330	0.00113	1	04/07/2018 00:22	WG1094842
Xylenes, Total	U	J4	0.000791	0.00340	1	04/07/2018 00:22	WG1094842
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2018 00:22*	WG1094842
(S) Toluene-d8	*108*			*80.0-120*		*04/09/2018 21:50*	WG1094842
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*04/09/2018 21:50*	WG1094842
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*04/07/2018 00:22*	WG1094842
(S) 4-Bromofluorobenzene	*97.6*			*64.0-132*		*04/07/2018 00:22*	WG1094842
(S) 4-Bromofluorobenzene	*93.5*			*64.0-132*		*04/09/2018 21:50*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.10	5.51	100	04/07/2018 03:32	WG1094842
Acrylonitrile	U		0.197	1.10	100	04/07/2018 03:32	WG1094842
Benzene	U		0.0298	0.110	100	04/07/2018 03:32	WG1094842
Bromobenzene	U		0.0313	0.110	100	04/07/2018 03:32	WG1094842
Bromodichloromethane	U		0.0280	0.110	100	04/07/2018 03:32	WG1094842
Bromochloromethane	U		0.0430	0.551	100	04/07/2018 03:32	WG1094842
Bromoform	U		0.0467	0.110	100	04/07/2018 03:32	WG1094842
Bromomethane	U		0.148	0.551	100	04/07/2018 03:32	WG1094842
n-Butylbenzene	U		0.0284	0.110	100	04/07/2018 03:32	WG1094842
sec-Butylbenzene	U		0.0222	0.110	100	04/07/2018 03:32	WG1094842
tert-Butylbenzene	U		0.0227	0.110	100	04/07/2018 03:32	WG1094842
Carbon disulfide	U		0.0244	0.110	100	04/07/2018 03:32	WG1094842
Carbon tetrachloride	U		0.0362	0.110	100	04/07/2018 03:32	WG1094842
Chlorobenzene	U		0.0234	0.110	100	04/07/2018 03:32	WG1094842
Chlorodibromomethane	U		0.0411	0.110	100	04/07/2018 03:32	WG1094842
Chloroethane	U		0.104	0.551	100	04/07/2018 03:32	WG1094842
Chloroform	U		0.0252	0.551	100	04/07/2018 03:32	WG1094842
Chloromethane	U		0.0413	0.276	100	04/07/2018 03:32	WG1094842
2-Chlorotoluene	U		0.0332	0.110	100	04/07/2018 03:32	WG1094842
4-Chlorotoluene	U		0.0265	0.110	100	04/07/2018 03:32	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.116	0.551	100	04/07/2018 03:32	WG1094842
1,2-Dibromoethane	U		0.0378	0.110	100	04/07/2018 03:32	WG1094842
Dibromomethane	U		0.0421	0.110	100	04/07/2018 03:32	WG1094842
1,2-Dichlorobenzene	U		0.0336	0.110	100	04/07/2018 03:32	WG1094842
1,3-Dichlorobenzene	U		0.0263	0.110	100	04/07/2018 03:32	WG1094842
1,4-Dichlorobenzene	U		0.0249	0.110	100	04/07/2018 03:32	WG1094842
Dichlorodifluoromethane	U		0.0786	0.551	100	04/07/2018 03:32	WG1094842
1,1-Dichloroethane	U		0.0219	0.110	100	04/07/2018 03:32	WG1094842
1,2-Dichloroethane	U		0.0292	0.110	100	04/07/2018 03:32	WG1094842
1,1-Dichloroethene	U		0.0334	0.110	100	04/07/2018 03:32	WG1094842
cis-1,2-Dichloroethene	U		0.0259	0.110	100	04/07/2018 03:32	WG1094842
trans-1,2-Dichloroethene	U		0.0291	0.110	100	04/07/2018 03:32	WG1094842
1,2-Dichloropropane	U		0.0395	0.110	100	04/07/2018 03:32	WG1094842
1,1-Dichloropropene	U		0.0349	0.110	100	04/07/2018 03:32	WG1094842
1,3-Dichloropropane	U		0.0228	0.110	100	04/07/2018 03:32	WG1094842
cis-1,3-Dichloropropene	U		0.0289	0.110	100	04/07/2018 03:32	WG1094842
trans-1,3-Dichloropropene	U		0.0294	0.110	100	04/07/2018 03:32	WG1094842
trans-1,4-Dichloro-2-butene	U		0.0858	0.276	100	04/07/2018 03:32	WG1094842
2,2-Dichloropropane	U		0.0308	0.110	100	04/07/2018 03:32	WG1094842
Di-isopropyl ether	U		0.0273	0.110	100	04/07/2018 03:32	WG1094842
Ethylbenzene	U		0.0327	0.110	100	04/07/2018 03:32	WG1094842
Hexachloro-1,3-butadiene	U		0.0377	0.110	100	04/07/2018 03:32	WG1094842
2-Hexanone	U	J3	0.151	1.10	100	04/07/2018 03:32	WG1094842
n-Hexane	U		0.0320	1.10	100	04/07/2018 03:32	WG1094842
Iodomethane	U		0.279	1.10	100	04/07/2018 03:32	WG1094842
Isopropylbenzene	U		0.0268	0.110	100	04/07/2018 03:32	WG1094842
p-Isopropyltoluene	U		0.0225	0.110	100	04/07/2018 03:32	WG1094842
2-Butanone (MEK)	U	J3	0.516	1.10	100	04/07/2018 03:32	WG1094842
Methylene Chloride	U		0.110	0.551	100	04/07/2018 03:32	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.207	1.10	100	04/07/2018 03:32	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0234	0.110	100	04/07/2018 03:32	WG1094842
Naphthalene	U		0.110	0.551	100	04/07/2018 03:32	WG1094842
n-Propylbenzene	U		0.0227	0.110	100	04/07/2018 03:32	WG1094842
Styrene	U		0.0258	0.110	100	04/07/2018 03:32	WG1094842
1,1,1,2-Tetrachloroethane	U		0.0291	0.110	100	04/07/2018 03:32	WG1094842
1,1,2,2-Tetrachloroethane	U		0.0402	0.110	100	04/07/2018 03:32	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.0402	0.110	100	04/07/2018 03:32	WG1094842
Tetrachloroethene	2.05		0.0304	0.110	100	04/07/2018 03:32	WG1094842
Toluene	U		0.0478	0.551	100	04/07/2018 03:32	WG1094842
1,2,3-Trichlorobenzene	U		0.0337	0.110	100	04/07/2018 03:32	WG1094842
1,2,4-Trichlorobenzene	U		0.0428	0.110	100	04/07/2018 03:32	WG1094842
1,1,1-Trichloroethane	U		0.0315	0.110	100	04/07/2018 03:32	WG1094842
1,1,2-Trichloroethane	U		0.0305	0.110	100	04/07/2018 03:32	WG1094842
Trichloroethene	U		0.0308	0.110	100	04/07/2018 03:32	WG1094842
Trichlorofluoromethane	U		0.0421	0.551	100	04/07/2018 03:32	WG1094842
1,2,3-Trichloropropane	U		0.0817	0.276	100	04/07/2018 03:32	WG1094842
1,2,4-Trimethylbenzene	U		0.0233	0.110	100	04/07/2018 03:32	WG1094842
1,2,3-Trimethylbenzene	U		0.0316	0.110	100	04/07/2018 03:32	WG1094842
1,3,5-Trimethylbenzene	U		0.0293	0.110	100	04/07/2018 03:32	WG1094842
Vinyl acetate	U		0.263	1.10	100	04/07/2018 03:32	WG1094842
Vinyl chloride	U		0.0321	0.110	100	04/07/2018 03:32	WG1094842
Xylenes, Total	U	J4	0.0769	0.331	100	04/07/2018 03:32	WG1094842
(S) Toluene-d8	*111*			*80.0-120*		*04/07/2018 03:32*	WG1094842
(S) Dibromofluoromethane	*91.5*			*74.0-131*		*04/07/2018 03:32*	WG1094842
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*04/07/2018 03:32*	WG1094842

Sample Narrative:

L983460-05 WG1094842: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0148	J	0.0112	0.0559	1	04/09/2018 20:04	WG1094842
Acrylonitrile	U		0.00200	0.0112	1	04/07/2018 00:43	WG1094842
Benzene	U		0.000302	0.00112	1	04/07/2018 00:43	WG1094842
Bromobenzene	U		0.000318	0.00112	1	04/07/2018 00:43	WG1094842
Bromodichloromethane	U		0.000284	0.00112	1	04/07/2018 00:43	WG1094842
Bromochloromethane	U		0.000436	0.00559	1	04/07/2018 00:43	WG1094842
Bromoform	U		0.000474	0.00112	1	04/07/2018 00:43	WG1094842
Bromomethane	U		0.00150	0.00559	1	04/07/2018 00:43	WG1094842
n-Butylbenzene	U		0.000289	0.00112	1	04/07/2018 00:43	WG1094842
sec-Butylbenzene	U		0.000225	0.00112	1	04/07/2018 00:43	WG1094842
tert-Butylbenzene	U		0.000230	0.00112	1	04/07/2018 00:43	WG1094842
Carbon disulfide	U		0.000247	0.00112	1	04/07/2018 00:43	WG1094842
Carbon tetrachloride	U		0.000367	0.00112	1	04/07/2018 00:43	WG1094842
Chlorobenzene	U		0.000237	0.00112	1	04/07/2018 00:43	WG1094842
Chlorodibromomethane	U		0.000417	0.00112	1	04/07/2018 00:43	WG1094842
Chloroethane	U		0.00106	0.00559	1	04/07/2018 00:43	WG1094842
Chloroform	U		0.000256	0.00559	1	04/07/2018 00:43	WG1094842
Chloromethane	U		0.000419	0.00280	1	04/07/2018 00:43	WG1094842
2-Chlorotoluene	U		0.000337	0.00112	1	04/07/2018 00:43	WG1094842
4-Chlorotoluene	U		0.000268	0.00112	1	04/07/2018 00:43	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	04/07/2018 00:43	WG1094842
1,2-Dibromoethane	U		0.000384	0.00112	1	04/07/2018 00:43	WG1094842
Dibromomethane	U		0.000427	0.00112	1	04/07/2018 00:43	WG1094842
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/07/2018 00:43	WG1094842
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/07/2018 00:43	WG1094842
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/07/2018 00:43	WG1094842
Dichlorodifluoromethane	U		0.000798	0.00559	1	04/07/2018 00:43	WG1094842
1,1-Dichloroethane	U		0.000223	0.00112	1	04/07/2018 00:43	WG1094842
1,2-Dichloroethane	U		0.000296	0.00112	1	04/07/2018 00:43	WG1094842
1,1-Dichloroethene	U		0.000339	0.00112	1	04/07/2018 00:43	WG1094842
cis-1,2-Dichloroethene	0.00101	J	0.000263	0.00112	1	04/07/2018 00:43	WG1094842
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/07/2018 00:43	WG1094842
1,2-Dichloropropane	U		0.000400	0.00112	1	04/07/2018 00:43	WG1094842
1,1-Dichloropropene	U		0.000355	0.00112	1	04/07/2018 00:43	WG1094842
1,3-Dichloropropane	U		0.000232	0.00112	1	04/07/2018 00:43	WG1094842
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/07/2018 00:43	WG1094842
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/07/2018 00:43	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000870	0.00280	1	04/07/2018 00:43	WG1094842
2,2-Dichloropropane	U		0.000312	0.00112	1	04/07/2018 00:43	WG1094842
Di-isopropyl ether	U		0.000277	0.00112	1	04/07/2018 00:43	WG1094842
Ethylbenzene	U		0.000332	0.00112	1	04/07/2018 00:43	WG1094842
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	04/07/2018 00:43	WG1094842
2-Hexanone	U	J3	0.00153	0.0112	1	04/07/2018 00:43	WG1094842
n-Hexane	U		0.000324	0.0112	1	04/07/2018 00:43	WG1094842
Iodomethane	U		0.00283	0.0112	1	04/07/2018 00:43	WG1094842
Isopropylbenzene	U		0.000272	0.00112	1	04/07/2018 00:43	WG1094842
p-Isopropyltoluene	U		0.000228	0.00112	1	04/07/2018 00:43	WG1094842
2-Butanone (MEK)	U	J3	0.00523	0.0112	1	04/07/2018 00:43	WG1094842
Methylene Chloride	U		0.00112	0.00559	1	04/07/2018 00:43	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00210	0.0112	1	04/07/2018 00:43	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/07/2018 00:43	WG1094842
Naphthalene	U		0.00112	0.00559	1	04/07/2018 00:43	WG1094842
n-Propylbenzene	U		0.000230	0.00112	1	04/07/2018 00:43	WG1094842
Styrene	U		0.000262	0.00112	1	04/07/2018 00:43	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/07/2018 00:43	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/07/2018 00:43	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/07/2018 00:43	WG1094842
Tetrachloroethene	0.205		0.00772	0.0280	25	04/10/2018 12:35	WG1094842
Toluene	U		0.000485	0.00559	1	04/07/2018 00:43	WG1094842
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/07/2018 00:43	WG1094842
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/07/2018 00:43	WG1094842
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/07/2018 00:43	WG1094842
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/07/2018 00:43	WG1094842
Trichloroethene	0.000348	J	0.000312	0.00112	1	04/07/2018 00:43	WG1094842
Trichlorofluoromethane	U		0.000427	0.00559	1	04/07/2018 00:43	WG1094842
1,2,3-Trichloropropane	U		0.000829	0.00280	1	04/07/2018 00:43	WG1094842
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/07/2018 00:43	WG1094842
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/07/2018 00:43	WG1094842
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 00:43	WG1094842
Vinyl acetate	U		0.00267	0.0112	1	04/07/2018 00:43	WG1094842
Vinyl chloride	0.00828		0.000325	0.00112	1	04/07/2018 00:43	WG1094842
Xylenes, Total	U	J4	0.000781	0.00336	1	04/07/2018 00:43	WG1094842
(S) Toluene-d8	*110*			*80.0-120*		*04/10/2018 12:35*	WG1094842
(S) Toluene-d8	*99.2*			*80.0-120*		*04/09/2018 20:04*	WG1094842
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2018 00:43*	WG1094842
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/07/2018 00:43*	WG1094842
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*04/10/2018 12:35*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/09/2018 20:04*	WG1094842
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/09/2018 20:04*	WG1094842
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/07/2018 00:43*	WG1094842
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/10/2018 12:35*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.118		0.0115	0.0576	1	04/09/2018 20:25	WG1094842
Acrylonitrile	U		0.00206	0.0115	1	04/07/2018 01:04	WG1094842
Benzene	U		0.000311	0.00115	1	04/07/2018 01:04	WG1094842
Bromobenzene	U		0.000327	0.00115	1	04/07/2018 01:04	WG1094842
Bromodichloromethane	U		0.000292	0.00115	1	04/07/2018 01:04	WG1094842
Bromochloromethane	U		0.000449	0.00576	1	04/07/2018 01:04	WG1094842
Bromoform	U		0.000488	0.00115	1	04/07/2018 01:04	WG1094842
Bromomethane	U		0.00154	0.00576	1	04/07/2018 01:04	WG1094842
n-Butylbenzene	U		0.000297	0.00115	1	04/07/2018 01:04	WG1094842
sec-Butylbenzene	U		0.000231	0.00115	1	04/07/2018 01:04	WG1094842
tert-Butylbenzene	U		0.000237	0.00115	1	04/07/2018 01:04	WG1094842
Carbon disulfide	0.000364	J	0.000254	0.00115	1	04/07/2018 01:04	WG1094842
Carbon tetrachloride	U		0.000378	0.00115	1	04/07/2018 01:04	WG1094842
Chlorobenzene	U		0.000244	0.00115	1	04/07/2018 01:04	WG1094842
Chlorodibromomethane	U		0.000430	0.00115	1	04/07/2018 01:04	WG1094842
Chloroethane	U		0.00109	0.00576	1	04/07/2018 01:04	WG1094842
Chloroform	U		0.000264	0.00576	1	04/07/2018 01:04	WG1094842
Chloromethane	U		0.000432	0.00288	1	04/07/2018 01:04	WG1094842
2-Chlorotoluene	U		0.000347	0.00115	1	04/07/2018 01:04	WG1094842
4-Chlorotoluene	U		0.000276	0.00115	1	04/07/2018 01:04	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	04/07/2018 01:04	WG1094842
1,2-Dibromoethane	U		0.000395	0.00115	1	04/07/2018 01:04	WG1094842
Dibromomethane	U		0.000440	0.00115	1	04/07/2018 01:04	WG1094842
1,2-Dichlorobenzene	U		0.000351	0.00115	1	04/07/2018 01:04	WG1094842
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/07/2018 01:04	WG1094842
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/07/2018 01:04	WG1094842
Dichlorodifluoromethane	U		0.000821	0.00576	1	04/07/2018 01:04	WG1094842
1,1-Dichloroethane	U		0.000229	0.00115	1	04/07/2018 01:04	WG1094842
1,2-Dichloroethane	U		0.000305	0.00115	1	04/07/2018 01:04	WG1094842
1,1-Dichloroethene	U		0.000349	0.00115	1	04/07/2018 01:04	WG1094842
cis-1,2-Dichloroethene	0.000439	J	0.000271	0.00115	1	04/07/2018 01:04	WG1094842
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	04/07/2018 01:04	WG1094842
1,2-Dichloropropane	U		0.000412	0.00115	1	04/07/2018 01:04	WG1094842
1,1-Dichloropropene	U		0.000365	0.00115	1	04/07/2018 01:04	WG1094842
1,3-Dichloropropane	U		0.000238	0.00115	1	04/07/2018 01:04	WG1094842
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/07/2018 01:04	WG1094842
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/07/2018 01:04	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000896	0.00288	1	04/07/2018 01:04	WG1094842
2,2-Dichloropropane	U		0.000321	0.00115	1	04/07/2018 01:04	WG1094842
Di-isopropyl ether	U		0.000286	0.00115	1	04/07/2018 01:04	WG1094842
Ethylbenzene	U		0.000342	0.00115	1	04/07/2018 01:04	WG1094842
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/07/2018 01:04	WG1094842
2-Hexanone	U	J3	0.00158	0.0115	1	04/07/2018 01:04	WG1094842
n-Hexane	U		0.000334	0.0115	1	04/07/2018 01:04	WG1094842
Iodomethane	U		0.00291	0.0115	1	04/07/2018 01:04	WG1094842
Isopropylbenzene	U		0.000280	0.00115	1	04/07/2018 01:04	WG1094842
p-Isopropyltoluene	U		0.000235	0.00115	1	04/07/2018 01:04	WG1094842
2-Butanone (MEK)	0.0301	J3	0.00539	0.0115	1	04/07/2018 01:04	WG1094842
Methylene Chloride	U		0.00115	0.00576	1	04/07/2018 01:04	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00216	0.0115	1	04/07/2018 01:04	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/07/2018 01:04	WG1094842
Naphthalene	U		0.00115	0.00576	1	04/07/2018 01:04	WG1094842
n-Propylbenzene	U		0.000237	0.00115	1	04/07/2018 01:04	WG1094842
Styrene	U		0.000269	0.00115	1	04/07/2018 01:04	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/07/2018 01:04	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	04/07/2018 01:04	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	04/07/2018 01:04	WG1094842
Tetrachloroethene	0.00754		0.000318	0.00115	1	04/09/2018 20:25	WG1094842
Toluene	U		0.000500	0.00576	1	04/07/2018 01:04	WG1094842
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/07/2018 01:04	WG1094842
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/07/2018 01:04	WG1094842
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/07/2018 01:04	WG1094842
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/07/2018 01:04	WG1094842
Trichloroethene	U		0.000321	0.00115	1	04/07/2018 01:04	WG1094842
Trichlorofluoromethane	U		0.000440	0.00576	1	04/07/2018 01:04	WG1094842
1,2,3-Trichloropropane	U		0.000853	0.00288	1	04/07/2018 01:04	WG1094842
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/07/2018 01:04	WG1094842
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/07/2018 01:04	WG1094842
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/07/2018 01:04	WG1094842
Vinyl acetate	U		0.00275	0.0115	1	04/07/2018 01:04	WG1094842
Vinyl chloride	U		0.000335	0.00115	1	04/07/2018 01:04	WG1094842
Xylenes, Total	U	J4	0.000804	0.00345	1	04/07/2018 01:04	WG1094842
(S) Toluene-d8	*101*			*80.0-120*		*04/09/2018 20:25*	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/07/2018 01:04*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/09/2018 20:25*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/07/2018 01:04*	WG1094842
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*04/09/2018 20:25*	WG1094842
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/07/2018 01:04*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0493	J	0.0109	0.0547	1	04/09/2018 20:46	WG1094842
Acrylonitrile	U		0.00196	0.0109	1	04/07/2018 01:25	WG1094842
Benzene	U		0.000295	0.00109	1	04/07/2018 01:25	WG1094842
Bromobenzene	U		0.000311	0.00109	1	04/07/2018 01:25	WG1094842
Bromodichloromethane	U		0.000278	0.00109	1	04/07/2018 01:25	WG1094842
Bromochloromethane	U		0.000427	0.00547	1	04/07/2018 01:25	WG1094842
Bromoform	U		0.000464	0.00109	1	04/07/2018 01:25	WG1094842
Bromomethane	U		0.00147	0.00547	1	04/07/2018 01:25	WG1094842
n-Butylbenzene	U		0.000282	0.00109	1	04/07/2018 01:25	WG1094842
sec-Butylbenzene	U		0.000220	0.00109	1	04/07/2018 01:25	WG1094842
tert-Butylbenzene	U		0.000225	0.00109	1	04/07/2018 01:25	WG1094842
Carbon disulfide	0.000693	J	0.000242	0.00109	1	04/07/2018 01:25	WG1094842
Carbon tetrachloride	U		0.000359	0.00109	1	04/07/2018 01:25	WG1094842
Chlorobenzene	U		0.000232	0.00109	1	04/07/2018 01:25	WG1094842
Chlorodibromomethane	U		0.000408	0.00109	1	04/07/2018 01:25	WG1094842
Chloroethane	U		0.00103	0.00547	1	04/07/2018 01:25	WG1094842
Chloroform	U		0.000251	0.00547	1	04/07/2018 01:25	WG1094842
Chloromethane	U		0.000410	0.00273	1	04/07/2018 01:25	WG1094842
2-Chlorotoluene	U		0.000329	0.00109	1	04/07/2018 01:25	WG1094842
4-Chlorotoluene	U		0.000263	0.00109	1	04/07/2018 01:25	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	04/07/2018 01:25	WG1094842
1,2-Dibromoethane	U		0.000375	0.00109	1	04/07/2018 01:25	WG1094842
Dibromomethane	U		0.000418	0.00109	1	04/07/2018 01:25	WG1094842
1,2-Dichlorobenzene	U		0.000334	0.00109	1	04/07/2018 01:25	WG1094842
1,3-Dichlorobenzene	U		0.000261	0.00109	1	04/07/2018 01:25	WG1094842
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/07/2018 01:25	WG1094842
Dichlorodifluoromethane	U		0.000780	0.00547	1	04/07/2018 01:25	WG1094842
1,1-Dichloroethane	U		0.000218	0.00109	1	04/07/2018 01:25	WG1094842
1,2-Dichloroethane	U		0.000290	0.00109	1	04/07/2018 01:25	WG1094842
1,1-Dichloroethene	U		0.000331	0.00109	1	04/07/2018 01:25	WG1094842
cis-1,2-Dichloroethene	0.00272		0.000257	0.00109	1	04/07/2018 01:25	WG1094842
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	04/07/2018 01:25	WG1094842
1,2-Dichloropropane	U		0.000392	0.00109	1	04/07/2018 01:25	WG1094842
1,1-Dichloropropene	U		0.000347	0.00109	1	04/07/2018 01:25	WG1094842
1,3-Dichloropropane	U		0.000226	0.00109	1	04/07/2018 01:25	WG1094842
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	04/07/2018 01:25	WG1094842
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/07/2018 01:25	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	04/07/2018 01:25	WG1094842
2,2-Dichloropropane	U		0.000305	0.00109	1	04/07/2018 01:25	WG1094842
Di-isopropyl ether	U		0.000271	0.00109	1	04/07/2018 01:25	WG1094842
Ethylbenzene	U		0.000325	0.00109	1	04/07/2018 01:25	WG1094842
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	04/07/2018 01:25	WG1094842
2-Hexanone	U	J3	0.00150	0.0109	1	04/07/2018 01:25	WG1094842
n-Hexane	U		0.000317	0.0109	1	04/07/2018 01:25	WG1094842
Iodomethane	U		0.00277	0.0109	1	04/07/2018 01:25	WG1094842
Isopropylbenzene	U		0.000266	0.00109	1	04/07/2018 01:25	WG1094842
p-Isopropyltoluene	U		0.000223	0.00109	1	04/07/2018 01:25	WG1094842
2-Butanone (MEK)	0.00927	J J3	0.00512	0.0109	1	04/07/2018 01:25	WG1094842
Methylene Chloride	U		0.00109	0.00547	1	04/07/2018 01:25	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00206	0.0109	1	04/07/2018 01:25	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/07/2018 01:25	WG1094842
Naphthalene	U		0.00109	0.00547	1	04/07/2018 01:25	WG1094842
n-Propylbenzene	U		0.000225	0.00109	1	04/07/2018 01:25	WG1094842
Styrene	U		0.000256	0.00109	1	04/07/2018 01:25	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	04/07/2018 01:25	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/07/2018 01:25	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/07/2018 01:25	WG1094842
Tetrachloroethene	0.0298		0.000302	0.00109	1	04/09/2018 20:46	WG1094842
Toluene	U		0.000475	0.00547	1	04/07/2018 01:25	WG1094842
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	04/07/2018 01:25	WG1094842
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	04/07/2018 01:25	WG1094842
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/07/2018 01:25	WG1094842
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/07/2018 01:25	WG1094842
Trichloroethene	0.00181		0.000305	0.00109	1	04/07/2018 01:25	WG1094842
Trichlorofluoromethane	U		0.000418	0.00547	1	04/07/2018 01:25	WG1094842
1,2,3-Trichloropropane	U		0.000811	0.00273	1	04/07/2018 01:25	WG1094842
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/07/2018 01:25	WG1094842
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/07/2018 01:25	WG1094842
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/07/2018 01:25	WG1094842
Vinyl acetate	U		0.00261	0.0109	1	04/07/2018 01:25	WG1094842
Vinyl chloride	0.000782	J	0.000318	0.00109	1	04/07/2018 01:25	WG1094842
Xylenes, Total	U	J4	0.000764	0.00328	1	04/07/2018 01:25	WG1094842
(S) Toluene-d8	*99.5*			*80.0-120*		*04/07/2018 01:25*	WG1094842
(S) Toluene-d8	*98.9*			*80.0-120*		*04/09/2018 20:46*	WG1094842
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/07/2018 01:25*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/09/2018 20:46*	WG1094842
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*04/07/2018 01:25*	WG1094842
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*04/09/2018 20:46*	WG1094842

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0116	0.0578	1	04/07/2018 01:47	WG1094858
Acrylonitrile	U		0.00207	0.0116	1	04/07/2018 01:47	WG1094858
Benzene	U		0.000312	0.00116	1	04/07/2018 01:47	WG1094858
Bromobenzene	U	J0 J4	0.000328	0.00116	1	04/07/2018 01:47	WG1094858
Bromodichloromethane	U		0.000294	0.00116	1	04/07/2018 01:47	WG1094858
Bromochloromethane	U		0.000451	0.00578	1	04/07/2018 01:47	WG1094858
Bromoform	U	J0	0.000490	0.00116	1	04/07/2018 01:47	WG1094858
Bromomethane	U		0.00155	0.00578	1	04/07/2018 01:47	WG1094858
n-Butylbenzene	U		0.000298	0.00116	1	04/07/2018 01:47	WG1094858
sec-Butylbenzene	U		0.000232	0.00116	1	04/07/2018 01:47	WG1094858
tert-Butylbenzene	U		0.000238	0.00116	1	04/07/2018 01:47	WG1094858
Carbon disulfide	U		0.000256	0.00116	1	04/07/2018 01:47	WG1094858
Carbon tetrachloride	U		0.000379	0.00116	1	04/07/2018 01:47	WG1094858
Chlorobenzene	U		0.000245	0.00116	1	04/07/2018 01:47	WG1094858
Chlorodibromomethane	U		0.000431	0.00116	1	04/07/2018 01:47	WG1094858
Chloroethane	U		0.00109	0.00578	1	04/07/2018 01:47	WG1094858
Chloroform	U		0.000265	0.00578	1	04/07/2018 01:47	WG1094858
Chloromethane	U		0.000434	0.00289	1	04/07/2018 01:47	WG1094858
2-Chlorotoluene	U		0.000348	0.00116	1	04/07/2018 01:47	WG1094858
4-Chlorotoluene	U		0.000278	0.00116	1	04/07/2018 01:47	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00121	0.00578	1	04/07/2018 01:47	WG1094858
1,2-Dibromoethane	U		0.000397	0.00116	1	04/07/2018 01:47	WG1094858
Dibromomethane	U		0.000442	0.00116	1	04/07/2018 01:47	WG1094858
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/07/2018 01:47	WG1094858
1,3-Dichlorobenzene	U		0.000276	0.00116	1	04/07/2018 01:47	WG1094858
1,4-Dichlorobenzene	U		0.000261	0.00116	1	04/07/2018 01:47	WG1094858
Dichlorodifluoromethane	U		0.000825	0.00578	1	04/07/2018 01:47	WG1094858
1,1-Dichloroethane	U		0.000230	0.00116	1	04/07/2018 01:47	WG1094858
1,2-Dichloroethane	U		0.000306	0.00116	1	04/07/2018 01:47	WG1094858
1,1-Dichloroethene	U		0.000350	0.00116	1	04/07/2018 01:47	WG1094858
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	04/07/2018 01:47	WG1094858
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	04/07/2018 01:47	WG1094858
1,2-Dichloropropane	U		0.000414	0.00116	1	04/07/2018 01:47	WG1094858
1,1-Dichloropropene	U		0.000367	0.00116	1	04/07/2018 01:47	WG1094858
1,3-Dichloropropane	U		0.000239	0.00116	1	04/07/2018 01:47	WG1094858
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/07/2018 01:47	WG1094858
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/07/2018 01:47	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000900	0.00289	1	04/07/2018 01:47	WG1094858
2,2-Dichloropropane	U		0.000323	0.00116	1	04/07/2018 01:47	WG1094858
Di-isopropyl ether	U		0.000287	0.00116	1	04/07/2018 01:47	WG1094858
Ethylbenzene	U		0.000344	0.00116	1	04/07/2018 01:47	WG1094858
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/07/2018 01:47	WG1094858
2-Hexanone	U	J0	0.00158	0.0116	1	04/07/2018 01:47	WG1094858
n-Hexane	U		0.000335	0.0116	1	04/07/2018 01:47	WG1094858
Iodomethane	U		0.00293	0.0116	1	04/07/2018 01:47	WG1094858
Isopropylbenzene	U		0.000281	0.00116	1	04/07/2018 01:47	WG1094858
p-Isopropyltoluene	U		0.000236	0.00116	1	04/07/2018 01:47	WG1094858
2-Butanone (MEK)	U	J0	0.00541	0.0116	1	04/07/2018 01:47	WG1094858
Methylene Chloride	U		0.00116	0.00578	1	04/07/2018 01:47	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	04/07/2018 01:47	WG1094858

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/07/2018 01:47	WG1094858
Naphthalene	U		0.00116	0.00578	1	04/07/2018 01:47	WG1094858
n-Propylbenzene	U		0.000238	0.00116	1	04/07/2018 01:47	WG1094858
Styrene	U	J0	0.000271	0.00116	1	04/07/2018 01:47	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/07/2018 01:47	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/07/2018 01:47	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/07/2018 01:47	WG1094858
Tetrachloroethene	0.00909		0.000319	0.00116	1	04/07/2018 01:47	WG1094858
Toluene	U		0.000502	0.00578	1	04/07/2018 01:47	WG1094858
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/07/2018 01:47	WG1094858
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/07/2018 01:47	WG1094858
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/07/2018 01:47	WG1094858
1,1,2-Trichloroethane	U		0.000320	0.00116	1	04/07/2018 01:47	WG1094858
Trichloroethene	U		0.000323	0.00116	1	04/07/2018 01:47	WG1094858
Trichlorofluoromethane	U		0.000442	0.00578	1	04/07/2018 01:47	WG1094858
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/07/2018 01:47	WG1094858
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/07/2018 01:47	WG1094858
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/07/2018 01:47	WG1094858
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/07/2018 01:47	WG1094858
Vinyl acetate	U	J0	0.00276	0.0116	1	04/07/2018 01:47	WG1094858
Vinyl chloride	U		0.000337	0.00116	1	04/07/2018 01:47	WG1094858
Xylenes, Total	U		0.000807	0.00347	1	04/07/2018 01:47	WG1094858
(S) Toluene-d8	*97.6*			*80.0-120*		*04/07/2018 01:47*	WG1094858
(S) Dibromofluoromethane	*119*			*74.0-131*		*04/07/2018 01:47*	WG1094858
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*04/07/2018 01:47*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0119	J J0	0.0112	0.0560	1	04/07/2018 02:09	WG1094858
Acrylonitrile	U		0.00200	0.0112	1	04/07/2018 02:09	WG1094858
Benzene	U		0.000302	0.00112	1	04/07/2018 02:09	WG1094858
Bromobenzene	U	J0 J4	0.000318	0.00112	1	04/07/2018 02:09	WG1094858
Bromodichloromethane	U		0.000284	0.00112	1	04/07/2018 02:09	WG1094858
Bromochloromethane	U		0.000437	0.00560	1	04/07/2018 02:09	WG1094858
Bromoform	U	J0	0.000475	0.00112	1	04/07/2018 02:09	WG1094858
Bromomethane	U		0.00150	0.00560	1	04/07/2018 02:09	WG1094858
n-Butylbenzene	U		0.000289	0.00112	1	04/07/2018 02:09	WG1094858
sec-Butylbenzene	U		0.000225	0.00112	1	04/07/2018 02:09	WG1094858
tert-Butylbenzene	U		0.000231	0.00112	1	04/07/2018 02:09	WG1094858
Carbon disulfide	U		0.000247	0.00112	1	04/07/2018 02:09	WG1094858
Carbon tetrachloride	U		0.000367	0.00112	1	04/07/2018 02:09	WG1094858
Chlorobenzene	U		0.000237	0.00112	1	04/07/2018 02:09	WG1094858
Chlorodibromomethane	U		0.000418	0.00112	1	04/07/2018 02:09	WG1094858
Chloroethane	U		0.00106	0.00560	1	04/07/2018 02:09	WG1094858
Chloroform	U		0.000256	0.00560	1	04/07/2018 02:09	WG1094858
Chloromethane	U		0.000420	0.00280	1	04/07/2018 02:09	WG1094858
2-Chlorotoluene	U		0.000337	0.00112	1	04/07/2018 02:09	WG1094858
4-Chlorotoluene	U		0.000269	0.00112	1	04/07/2018 02:09	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00118	0.00560	1	04/07/2018 02:09	WG1094858
1,2-Dibromoethane	U		0.000384	0.00112	1	04/07/2018 02:09	WG1094858
Dibromomethane	U		0.000428	0.00112	1	04/07/2018 02:09	WG1094858
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/07/2018 02:09	WG1094858
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/07/2018 02:09	WG1094858
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/07/2018 02:09	WG1094858
Dichlorodifluoromethane	U		0.000798	0.00560	1	04/07/2018 02:09	WG1094858
1,1-Dichloroethane	U		0.000223	0.00112	1	04/07/2018 02:09	WG1094858
1,2-Dichloroethane	U		0.000297	0.00112	1	04/07/2018 02:09	WG1094858
1,1-Dichloroethene	U		0.000339	0.00112	1	04/07/2018 02:09	WG1094858
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	04/07/2018 02:09	WG1094858
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/07/2018 02:09	WG1094858
1,2-Dichloropropane	U		0.000401	0.00112	1	04/07/2018 02:09	WG1094858
1,1-Dichloropropene	U		0.000355	0.00112	1	04/07/2018 02:09	WG1094858
1,3-Dichloropropane	U		0.000232	0.00112	1	04/07/2018 02:09	WG1094858
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/07/2018 02:09	WG1094858
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/07/2018 02:09	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000871	0.00280	1	04/07/2018 02:09	WG1094858
2,2-Dichloropropane	U		0.000312	0.00112	1	04/07/2018 02:09	WG1094858
Di-isopropyl ether	U		0.000278	0.00112	1	04/07/2018 02:09	WG1094858
Ethylbenzene	U		0.000333	0.00112	1	04/07/2018 02:09	WG1094858
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	04/07/2018 02:09	WG1094858
2-Hexanone	U	J0	0.00153	0.0112	1	04/07/2018 02:09	WG1094858
n-Hexane	U		0.000325	0.0112	1	04/07/2018 02:09	WG1094858
Iodomethane	U		0.00283	0.0112	1	04/07/2018 02:09	WG1094858
Isopropylbenzene	U		0.000272	0.00112	1	04/07/2018 02:09	WG1094858
p-Isopropyltoluene	U		0.000228	0.00112	1	04/07/2018 02:09	WG1094858
2-Butanone (MEK)	U	J0	0.00524	0.0112	1	04/07/2018 02:09	WG1094858
Methylene Chloride	U		0.00112	0.00560	1	04/07/2018 02:09	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/07/2018 02:09	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/07/2018 02:09	WG1094858
Naphthalene	U		0.00112	0.00560	1	04/07/2018 02:09	WG1094858
n-Propylbenzene	U		0.000231	0.00112	1	04/07/2018 02:09	WG1094858
Styrene	U	J0	0.000262	0.00112	1	04/07/2018 02:09	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/07/2018 02:09	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/07/2018 02:09	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/07/2018 02:09	WG1094858
Tetrachloroethene	0.0273		0.000309	0.00112	1	04/07/2018 02:09	WG1094858
Toluene	U		0.000486	0.00560	1	04/07/2018 02:09	WG1094858
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/07/2018 02:09	WG1094858
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/07/2018 02:09	WG1094858
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/07/2018 02:09	WG1094858
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/07/2018 02:09	WG1094858
Trichloroethene	U		0.000312	0.00112	1	04/07/2018 02:09	WG1094858
Trichlorofluoromethane	U		0.000428	0.00560	1	04/07/2018 02:09	WG1094858
1,2,3-Trichloropropane	U		0.000830	0.00280	1	04/07/2018 02:09	WG1094858
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/07/2018 02:09	WG1094858
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/07/2018 02:09	WG1094858
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 02:09	WG1094858
Vinyl acetate	U	J0	0.00268	0.0112	1	04/07/2018 02:09	WG1094858
Vinyl chloride	U		0.000326	0.00112	1	04/07/2018 02:09	WG1094858
Xylenes, Total	U		0.000782	0.00336	1	04/07/2018 02:09	WG1094858
(S) Toluene-d8	*96.8*			*80.0-120*		*04/07/2018 02:09*	WG1094858
(S) Dibromofluoromethane	*124*			*74.0-131*		*04/07/2018 02:09*	WG1094858
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*04/07/2018 02:09*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0549	1	04/07/2018 02:30	WG1094858
Acrylonitrile	U		0.00197	0.0110	1	04/07/2018 02:30	WG1094858
Benzene	U		0.000297	0.00110	1	04/07/2018 02:30	WG1094858
Bromobenzene	U	J0 J4	0.000312	0.00110	1	04/07/2018 02:30	WG1094858
Bromodichloromethane	U		0.000279	0.00110	1	04/07/2018 02:30	WG1094858
Bromochloromethane	U		0.000428	0.00549	1	04/07/2018 02:30	WG1094858
Bromoform	U	J0	0.000466	0.00110	1	04/07/2018 02:30	WG1094858
Bromomethane	U		0.00147	0.00549	1	04/07/2018 02:30	WG1094858
n-Butylbenzene	U		0.000283	0.00110	1	04/07/2018 02:30	WG1094858
sec-Butylbenzene	U		0.000221	0.00110	1	04/07/2018 02:30	WG1094858
tert-Butylbenzene	U		0.000226	0.00110	1	04/07/2018 02:30	WG1094858
Carbon disulfide	U		0.000243	0.00110	1	04/07/2018 02:30	WG1094858
Carbon tetrachloride	U		0.000360	0.00110	1	04/07/2018 02:30	WG1094858
Chlorobenzene	U		0.000233	0.00110	1	04/07/2018 02:30	WG1094858
Chlorodibromomethane	U		0.000410	0.00110	1	04/07/2018 02:30	WG1094858
Chloroethane	U		0.00104	0.00549	1	04/07/2018 02:30	WG1094858
Chloroform	U		0.000252	0.00549	1	04/07/2018 02:30	WG1094858
Chloromethane	U		0.000412	0.00275	1	04/07/2018 02:30	WG1094858
2-Chlorotoluene	U		0.000331	0.00110	1	04/07/2018 02:30	WG1094858
4-Chlorotoluene	U		0.000264	0.00110	1	04/07/2018 02:30	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00115	0.00549	1	04/07/2018 02:30	WG1094858
1,2-Dibromoethane	U		0.000377	0.00110	1	04/07/2018 02:30	WG1094858
Dibromomethane	U		0.000420	0.00110	1	04/07/2018 02:30	WG1094858
1,2-Dichlorobenzene	U		0.000335	0.00110	1	04/07/2018 02:30	WG1094858
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/07/2018 02:30	WG1094858
1,4-Dichlorobenzene	U		0.000248	0.00110	1	04/07/2018 02:30	WG1094858
Dichlorodifluoromethane	U		0.000783	0.00549	1	04/07/2018 02:30	WG1094858
1,1-Dichloroethane	U		0.000219	0.00110	1	04/07/2018 02:30	WG1094858
1,2-Dichloroethane	U		0.000291	0.00110	1	04/07/2018 02:30	WG1094858
1,1-Dichloroethene	U		0.000333	0.00110	1	04/07/2018 02:30	WG1094858
cis-1,2-Dichloroethene	U		0.000258	0.00110	1	04/07/2018 02:30	WG1094858
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	04/07/2018 02:30	WG1094858
1,2-Dichloropropane	U		0.000393	0.00110	1	04/07/2018 02:30	WG1094858
1,1-Dichloropropene	U		0.000348	0.00110	1	04/07/2018 02:30	WG1094858
1,3-Dichloropropane	U		0.000227	0.00110	1	04/07/2018 02:30	WG1094858
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/07/2018 02:30	WG1094858
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	04/07/2018 02:30	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000855	0.00275	1	04/07/2018 02:30	WG1094858
2,2-Dichloropropane	U		0.000306	0.00110	1	04/07/2018 02:30	WG1094858
Di-isopropyl ether	U		0.000272	0.00110	1	04/07/2018 02:30	WG1094858
Ethylbenzene	U		0.000326	0.00110	1	04/07/2018 02:30	WG1094858
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	04/07/2018 02:30	WG1094858
2-Hexanone	U	J0	0.00150	0.0110	1	04/07/2018 02:30	WG1094858
n-Hexane	U		0.000319	0.0110	1	04/07/2018 02:30	WG1094858
Iodomethane	U		0.00278	0.0110	1	04/07/2018 02:30	WG1094858
Isopropylbenzene	U		0.000267	0.00110	1	04/07/2018 02:30	WG1094858
p-Isopropyltoluene	U		0.000224	0.00110	1	04/07/2018 02:30	WG1094858
2-Butanone (MEK)	U	J0	0.00514	0.0110	1	04/07/2018 02:30	WG1094858
Methylene Chloride	U		0.00110	0.00549	1	04/07/2018 02:30	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	04/07/2018 02:30	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/07/2018 02:30	WG1094858
Naphthalene	U		0.00110	0.00549	1	04/07/2018 02:30	WG1094858
n-Propylbenzene	U		0.000226	0.00110	1	04/07/2018 02:30	WG1094858
Styrene	U	J0	0.000257	0.00110	1	04/07/2018 02:30	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/07/2018 02:30	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	04/07/2018 02:30	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	04/07/2018 02:30	WG1094858
Tetrachloroethene	0.0300		0.000303	0.00110	1	04/07/2018 02:30	WG1094858
Toluene	U		0.000477	0.00549	1	04/07/2018 02:30	WG1094858
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/07/2018 02:30	WG1094858
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/07/2018 02:30	WG1094858
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/07/2018 02:30	WG1094858
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/07/2018 02:30	WG1094858
Trichloroethene	U		0.000306	0.00110	1	04/07/2018 02:30	WG1094858
Trichlorofluoromethane	U		0.000420	0.00549	1	04/07/2018 02:30	WG1094858
1,2,3-Trichloropropane	U		0.000814	0.00275	1	04/07/2018 02:30	WG1094858
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/07/2018 02:30	WG1094858
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/07/2018 02:30	WG1094858
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/07/2018 02:30	WG1094858
Vinyl acetate	U	J0	0.00263	0.0110	1	04/07/2018 02:30	WG1094858
Vinyl chloride	U		0.000320	0.00110	1	04/07/2018 02:30	WG1094858
Xylenes, Total	U		0.000767	0.00330	1	04/07/2018 02:30	WG1094858
(S) Toluene-d8	*97.6*			*80.0-120*		*04/07/2018 02:30*	WG1094858
(S) Dibromofluoromethane	*116*			*74.0-131*		*04/07/2018 02:30*	WG1094858
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*04/07/2018 02:30*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0551	1	04/07/2018 02:51	WG1094858
Acrylonitrile	U		0.00197	0.0110	1	04/07/2018 02:51	WG1094858
Benzene	U		0.000298	0.00110	1	04/07/2018 02:51	WG1094858
Bromobenzene	U	J0 J4	0.000313	0.00110	1	04/07/2018 02:51	WG1094858
Bromodichloromethane	U		0.000280	0.00110	1	04/07/2018 02:51	WG1094858
Bromochloromethane	U		0.000430	0.00551	1	04/07/2018 02:51	WG1094858
Bromoform	U	J0	0.000468	0.00110	1	04/07/2018 02:51	WG1094858
Bromomethane	U		0.00148	0.00551	1	04/07/2018 02:51	WG1094858
n-Butylbenzene	U		0.000285	0.00110	1	04/07/2018 02:51	WG1094858
sec-Butylbenzene	U		0.000222	0.00110	1	04/07/2018 02:51	WG1094858
tert-Butylbenzene	U		0.000227	0.00110	1	04/07/2018 02:51	WG1094858
Carbon disulfide	0.000248	J	0.000244	0.00110	1	04/07/2018 02:51	WG1094858
Carbon tetrachloride	U		0.000362	0.00110	1	04/07/2018 02:51	WG1094858
Chlorobenzene	U		0.000234	0.00110	1	04/07/2018 02:51	WG1094858
Chlorodibromomethane	U		0.000411	0.00110	1	04/07/2018 02:51	WG1094858
Chloroethane	U		0.00104	0.00551	1	04/07/2018 02:51	WG1094858
Chloroform	U		0.000253	0.00551	1	04/07/2018 02:51	WG1094858
Chloromethane	U		0.000414	0.00276	1	04/07/2018 02:51	WG1094858
2-Chlorotoluene	U		0.000332	0.00110	1	04/07/2018 02:51	WG1094858
4-Chlorotoluene	U		0.000265	0.00110	1	04/07/2018 02:51	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00116	0.00551	1	04/07/2018 02:51	WG1094858
1,2-Dibromoethane	U		0.000378	0.00110	1	04/07/2018 02:51	WG1094858
Dibromomethane	U		0.000421	0.00110	1	04/07/2018 02:51	WG1094858
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/07/2018 02:51	WG1094858
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/07/2018 02:51	WG1094858
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/07/2018 02:51	WG1094858
Dichlorodifluoromethane	U		0.000786	0.00551	1	04/07/2018 02:51	WG1094858
1,1-Dichloroethane	U		0.000219	0.00110	1	04/07/2018 02:51	WG1094858
1,2-Dichloroethane	U		0.000292	0.00110	1	04/07/2018 02:51	WG1094858
1,1-Dichloroethene	U		0.000334	0.00110	1	04/07/2018 02:51	WG1094858
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	04/07/2018 02:51	WG1094858
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/07/2018 02:51	WG1094858
1,2-Dichloropropane	U		0.000395	0.00110	1	04/07/2018 02:51	WG1094858
1,1-Dichloropropene	U		0.000350	0.00110	1	04/07/2018 02:51	WG1094858
1,3-Dichloropropane	U		0.000228	0.00110	1	04/07/2018 02:51	WG1094858
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/07/2018 02:51	WG1094858
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/07/2018 02:51	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000858	0.00276	1	04/07/2018 02:51	WG1094858
2,2-Dichloropropane	U		0.000308	0.00110	1	04/07/2018 02:51	WG1094858
Di-isopropyl ether	U		0.000274	0.00110	1	04/07/2018 02:51	WG1094858
Ethylbenzene	U		0.000328	0.00110	1	04/07/2018 02:51	WG1094858
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/07/2018 02:51	WG1094858
2-Hexanone	U	J0	0.00151	0.0110	1	04/07/2018 02:51	WG1094858
n-Hexane	U		0.000320	0.0110	1	04/07/2018 02:51	WG1094858
Iodomethane	U		0.00279	0.0110	1	04/07/2018 02:51	WG1094858
Isopropylbenzene	U		0.000268	0.00110	1	04/07/2018 02:51	WG1094858
p-Isopropyltoluene	U		0.000225	0.00110	1	04/07/2018 02:51	WG1094858
2-Butanone (MEK)	U	J0	0.00516	0.0110	1	04/07/2018 02:51	WG1094858
Methylene Chloride	U		0.00110	0.00551	1	04/07/2018 02:51	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/07/2018 02:51	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/07/2018 02:51	WG1094858
Naphthalene	U		0.00110	0.00551	1	04/07/2018 02:51	WG1094858
n-Propylbenzene	U		0.000227	0.00110	1	04/07/2018 02:51	WG1094858
Styrene	U	J0	0.000258	0.00110	1	04/07/2018 02:51	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/07/2018 02:51	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/07/2018 02:51	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/07/2018 02:51	WG1094858
Tetrachloroethene	0.0303		0.000304	0.00110	1	04/07/2018 02:51	WG1094858
Toluene	U		0.000479	0.00551	1	04/07/2018 02:51	WG1094858
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/07/2018 02:51	WG1094858
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/07/2018 02:51	WG1094858
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/07/2018 02:51	WG1094858
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/07/2018 02:51	WG1094858
Trichloroethene	U		0.000308	0.00110	1	04/07/2018 02:51	WG1094858
Trichlorofluoromethane	U		0.000421	0.00551	1	04/07/2018 02:51	WG1094858
1,2,3-Trichloropropane	U		0.000817	0.00276	1	04/07/2018 02:51	WG1094858
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/07/2018 02:51	WG1094858
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/07/2018 02:51	WG1094858
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/07/2018 02:51	WG1094858
Vinyl acetate	U	J0	0.00264	0.0110	1	04/07/2018 02:51	WG1094858
Vinyl chloride	U		0.000321	0.00110	1	04/07/2018 02:51	WG1094858
Xylenes, Total	U		0.000770	0.00331	1	04/07/2018 02:51	WG1094858
(S) Toluene-d8	*94.3*			*80.0-120*		*04/07/2018 02:51*	WG1094858
(S) Dibromofluoromethane	*125*			*74.0-131*		*04/07/2018 02:51*	WG1094858
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/07/2018 02:51*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0108	0.0541	1	04/07/2018 03:13	WG1094858
Acrylonitrile	U		0.00194	0.0108	1	04/07/2018 03:13	WG1094858
Benzene	U		0.000292	0.00108	1	04/07/2018 03:13	WG1094858
Bromobenzene	U	J0 J4	0.000308	0.00108	1	04/07/2018 03:13	WG1094858
Bromodichloromethane	U		0.000275	0.00108	1	04/07/2018 03:13	WG1094858
Bromochloromethane	U		0.000422	0.00541	1	04/07/2018 03:13	WG1094858
Bromoform	U	J0	0.000459	0.00108	1	04/07/2018 03:13	WG1094858
Bromomethane	U		0.00145	0.00541	1	04/07/2018 03:13	WG1094858
n-Butylbenzene	U		0.000279	0.00108	1	04/07/2018 03:13	WG1094858
sec-Butylbenzene	U		0.000218	0.00108	1	04/07/2018 03:13	WG1094858
tert-Butylbenzene	U		0.000223	0.00108	1	04/07/2018 03:13	WG1094858
Carbon disulfide	0.000320	J	0.000239	0.00108	1	04/07/2018 03:13	WG1094858
Carbon tetrachloride	U		0.000355	0.00108	1	04/07/2018 03:13	WG1094858
Chlorobenzene	U		0.000230	0.00108	1	04/07/2018 03:13	WG1094858
Chlorodibromomethane	U		0.000404	0.00108	1	04/07/2018 03:13	WG1094858
Chloroethane	U		0.00102	0.00541	1	04/07/2018 03:13	WG1094858
Chloroform	U		0.000248	0.00541	1	04/07/2018 03:13	WG1094858
Chloromethane	U		0.000406	0.00271	1	04/07/2018 03:13	WG1094858
2-Chlorotoluene	U		0.000326	0.00108	1	04/07/2018 03:13	WG1094858
4-Chlorotoluene	U		0.000260	0.00108	1	04/07/2018 03:13	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00114	0.00541	1	04/07/2018 03:13	WG1094858
1,2-Dibromoethane	U		0.000371	0.00108	1	04/07/2018 03:13	WG1094858
Dibromomethane	U		0.000414	0.00108	1	04/07/2018 03:13	WG1094858
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/07/2018 03:13	WG1094858
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/07/2018 03:13	WG1094858
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/07/2018 03:13	WG1094858
Dichlorodifluoromethane	U		0.000772	0.00541	1	04/07/2018 03:13	WG1094858
1,1-Dichloroethane	U		0.000216	0.00108	1	04/07/2018 03:13	WG1094858
1,2-Dichloroethane	U		0.000287	0.00108	1	04/07/2018 03:13	WG1094858
1,1-Dichloroethene	U		0.000328	0.00108	1	04/07/2018 03:13	WG1094858
cis-1,2-Dichloroethene	U		0.000254	0.00108	1	04/07/2018 03:13	WG1094858
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/07/2018 03:13	WG1094858
1,2-Dichloropropane	U		0.000388	0.00108	1	04/07/2018 03:13	WG1094858
1,1-Dichloropropene	U		0.000343	0.00108	1	04/07/2018 03:13	WG1094858
1,3-Dichloropropane	U		0.000224	0.00108	1	04/07/2018 03:13	WG1094858
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/07/2018 03:13	WG1094858
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/07/2018 03:13	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000843	0.00271	1	04/07/2018 03:13	WG1094858
2,2-Dichloropropane	U		0.000302	0.00108	1	04/07/2018 03:13	WG1094858
Di-isopropyl ether	U		0.000269	0.00108	1	04/07/2018 03:13	WG1094858
Ethylbenzene	U		0.000322	0.00108	1	04/07/2018 03:13	WG1094858
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	04/07/2018 03:13	WG1094858
2-Hexanone	U	J0	0.00148	0.0108	1	04/07/2018 03:13	WG1094858
n-Hexane	U		0.000314	0.0108	1	04/07/2018 03:13	WG1094858
Iodomethane	U		0.00274	0.0108	1	04/07/2018 03:13	WG1094858
Isopropylbenzene	U		0.000263	0.00108	1	04/07/2018 03:13	WG1094858
p-Isopropyltoluene	U		0.000221	0.00108	1	04/07/2018 03:13	WG1094858
2-Butanone (MEK)	U	J0	0.00507	0.0108	1	04/07/2018 03:13	WG1094858
Methylene Chloride	U		0.00108	0.00541	1	04/07/2018 03:13	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/07/2018 03:13	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	04/07/2018 03:13	WG1094858
Naphthalene	U		0.00108	0.00541	1	04/07/2018 03:13	WG1094858
n-Propylbenzene	U		0.000223	0.00108	1	04/07/2018 03:13	WG1094858
Styrene	U	J0	0.000253	0.00108	1	04/07/2018 03:13	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/07/2018 03:13	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/07/2018 03:13	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/07/2018 03:13	WG1094858
Tetrachloroethene	0.00172		0.000299	0.00108	1	04/07/2018 03:13	WG1094858
Toluene	U		0.000470	0.00541	1	04/07/2018 03:13	WG1094858
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/07/2018 03:13	WG1094858
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/07/2018 03:13	WG1094858
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/07/2018 03:13	WG1094858
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/07/2018 03:13	WG1094858
Trichloroethene	U		0.000302	0.00108	1	04/07/2018 03:13	WG1094858
Trichlorofluoromethane	U		0.000414	0.00541	1	04/07/2018 03:13	WG1094858
1,2,3-Trichloropropane	U		0.000802	0.00271	1	04/07/2018 03:13	WG1094858
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/07/2018 03:13	WG1094858
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/07/2018 03:13	WG1094858
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/07/2018 03:13	WG1094858
Vinyl acetate	U	J0	0.00259	0.0108	1	04/07/2018 03:13	WG1094858
Vinyl chloride	U		0.000315	0.00108	1	04/07/2018 03:13	WG1094858
Xylenes, Total	U		0.000756	0.00325	1	04/07/2018 03:13	WG1094858
(S) Toluene-d8	*97.2*			*80.0-120*		*04/07/2018 03:13*	WG1094858
(S) Dibromofluoromethane	*125*			*74.0-131*		*04/07/2018 03:13*	WG1094858
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*04/07/2018 03:13*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0115	0.0573	1	04/07/2018 03:34	WG1094858
Acrylonitrile	U		0.00205	0.0115	1	04/07/2018 03:34	WG1094858
Benzene	U		0.000309	0.00115	1	04/07/2018 03:34	WG1094858
Bromobenzene	U	J0 J4	0.000325	0.00115	1	04/07/2018 03:34	WG1094858
Bromodichloromethane	U		0.000291	0.00115	1	04/07/2018 03:34	WG1094858
Bromochloromethane	U		0.000447	0.00573	1	04/07/2018 03:34	WG1094858
Bromoform	U	J0	0.000486	0.00115	1	04/07/2018 03:34	WG1094858
Bromomethane	U		0.00153	0.00573	1	04/07/2018 03:34	WG1094858
n-Butylbenzene	U		0.000296	0.00115	1	04/07/2018 03:34	WG1094858
sec-Butylbenzene	U		0.000230	0.00115	1	04/07/2018 03:34	WG1094858
tert-Butylbenzene	U		0.000236	0.00115	1	04/07/2018 03:34	WG1094858
Carbon disulfide	U		0.000253	0.00115	1	04/07/2018 03:34	WG1094858
Carbon tetrachloride	U		0.000376	0.00115	1	04/07/2018 03:34	WG1094858
Chlorobenzene	U		0.000243	0.00115	1	04/07/2018 03:34	WG1094858
Chlorodibromomethane	U		0.000427	0.00115	1	04/07/2018 03:34	WG1094858
Chloroethane	U		0.00108	0.00573	1	04/07/2018 03:34	WG1094858
Chloroform	U		0.000262	0.00573	1	04/07/2018 03:34	WG1094858
Chloromethane	U		0.000430	0.00286	1	04/07/2018 03:34	WG1094858
2-Chlorotoluene	U		0.000345	0.00115	1	04/07/2018 03:34	WG1094858
4-Chlorotoluene	U		0.000275	0.00115	1	04/07/2018 03:34	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00120	0.00573	1	04/07/2018 03:34	WG1094858
1,2-Dibromoethane	U		0.000393	0.00115	1	04/07/2018 03:34	WG1094858
Dibromomethane	U		0.000438	0.00115	1	04/07/2018 03:34	WG1094858
1,2-Dichlorobenzene	U		0.000349	0.00115	1	04/07/2018 03:34	WG1094858
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/07/2018 03:34	WG1094858
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/07/2018 03:34	WG1094858
Dichlorodifluoromethane	U		0.000817	0.00573	1	04/07/2018 03:34	WG1094858
1,1-Dichloroethane	U		0.000228	0.00115	1	04/07/2018 03:34	WG1094858
1,2-Dichloroethane	U		0.000304	0.00115	1	04/07/2018 03:34	WG1094858
1,1-Dichloroethene	U		0.000347	0.00115	1	04/07/2018 03:34	WG1094858
cis-1,2-Dichloroethene	U		0.000269	0.00115	1	04/07/2018 03:34	WG1094858
trans-1,2-Dichloroethene	U		0.000302	0.00115	1	04/07/2018 03:34	WG1094858
1,2-Dichloropropane	U		0.000410	0.00115	1	04/07/2018 03:34	WG1094858
1,1-Dichloropropene	U		0.000363	0.00115	1	04/07/2018 03:34	WG1094858
1,3-Dichloropropane	U		0.000237	0.00115	1	04/07/2018 03:34	WG1094858
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	04/07/2018 03:34	WG1094858
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/07/2018 03:34	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000891	0.00286	1	04/07/2018 03:34	WG1094858
2,2-Dichloropropane	U		0.000320	0.00115	1	04/07/2018 03:34	WG1094858
Di-isopropyl ether	U		0.000284	0.00115	1	04/07/2018 03:34	WG1094858
Ethylbenzene	U		0.000340	0.00115	1	04/07/2018 03:34	WG1094858
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/07/2018 03:34	WG1094858
2-Hexanone	U	J0	0.00157	0.0115	1	04/07/2018 03:34	WG1094858
n-Hexane	U		0.000332	0.0115	1	04/07/2018 03:34	WG1094858
Iodomethane	U		0.00290	0.0115	1	04/07/2018 03:34	WG1094858
Isopropylbenzene	U		0.000278	0.00115	1	04/07/2018 03:34	WG1094858
p-Isopropyltoluene	U		0.000234	0.00115	1	04/07/2018 03:34	WG1094858
2-Butanone (MEK)	U	J0	0.00536	0.0115	1	04/07/2018 03:34	WG1094858
Methylene Chloride	U		0.00115	0.00573	1	04/07/2018 03:34	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	04/07/2018 03:34	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/07/2018 03:34	WG1094858
Naphthalene	U		0.00115	0.00573	1	04/07/2018 03:34	WG1094858
n-Propylbenzene	U		0.000236	0.00115	1	04/07/2018 03:34	WG1094858
Styrene	U	J0	0.000268	0.00115	1	04/07/2018 03:34	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	04/07/2018 03:34	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	04/07/2018 03:34	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	04/07/2018 03:34	WG1094858
Tetrachloroethene	U		0.000316	0.00115	1	04/07/2018 03:34	WG1094858
Toluene	U		0.000497	0.00573	1	04/07/2018 03:34	WG1094858
1,2,3-Trichlorobenzene	U		0.000350	0.00115	1	04/07/2018 03:34	WG1094858
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	04/07/2018 03:34	WG1094858
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/07/2018 03:34	WG1094858
1,1,2-Trichloroethane	U		0.000317	0.00115	1	04/07/2018 03:34	WG1094858
Trichloroethene	U		0.000320	0.00115	1	04/07/2018 03:34	WG1094858
Trichlorofluoromethane	U		0.000438	0.00573	1	04/07/2018 03:34	WG1094858
1,2,3-Trichloropropane	U		0.000849	0.00286	1	04/07/2018 03:34	WG1094858
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/07/2018 03:34	WG1094858
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/07/2018 03:34	WG1094858
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/07/2018 03:34	WG1094858
Vinyl acetate	U	J0	0.00274	0.0115	1	04/07/2018 03:34	WG1094858
Vinyl chloride	U		0.000333	0.00115	1	04/07/2018 03:34	WG1094858
Xylenes, Total	U		0.000799	0.00344	1	04/07/2018 03:34	WG1094858
(S) Toluene-d8	*96.0*			*80.0-120*		*04/07/2018 03:34*	WG1094858
(S) Dibromofluoromethane	*127*			*74.0-131*		*04/07/2018 03:34*	WG1094858
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*04/07/2018 03:34*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0111	0.0555	1	04/07/2018 03:56	WG1094858
Acrylonitrile	U		0.00199	0.0111	1	04/07/2018 03:56	WG1094858
Benzene	U		0.000300	0.00111	1	04/07/2018 03:56	WG1094858
Bromobenzene	U	J0 J4	0.000315	0.00111	1	04/07/2018 03:56	WG1094858
Bromodichloromethane	U		0.000282	0.00111	1	04/07/2018 03:56	WG1094858
Bromochloromethane	U		0.000433	0.00555	1	04/07/2018 03:56	WG1094858
Bromoform	U	J0	0.000470	0.00111	1	04/07/2018 03:56	WG1094858
Bromomethane	U		0.00149	0.00555	1	04/07/2018 03:56	WG1094858
n-Butylbenzene	U		0.000286	0.00111	1	04/07/2018 03:56	WG1094858
sec-Butylbenzene	U		0.000223	0.00111	1	04/07/2018 03:56	WG1094858
tert-Butylbenzene	U		0.000229	0.00111	1	04/07/2018 03:56	WG1094858
Carbon disulfide	0.00136		0.000245	0.00111	1	04/07/2018 03:56	WG1094858
Carbon tetrachloride	U		0.000364	0.00111	1	04/07/2018 03:56	WG1094858
Chlorobenzene	U		0.000235	0.00111	1	04/07/2018 03:56	WG1094858
Chlorodibromomethane	U		0.000414	0.00111	1	04/07/2018 03:56	WG1094858
Chloroethane	U		0.00105	0.00555	1	04/07/2018 03:56	WG1094858
Chloroform	U		0.000254	0.00555	1	04/07/2018 03:56	WG1094858
Chloromethane	0.00349		0.000416	0.00277	1	04/07/2018 03:56	WG1094858
2-Chlorotoluene	U		0.000334	0.00111	1	04/07/2018 03:56	WG1094858
4-Chlorotoluene	U		0.000266	0.00111	1	04/07/2018 03:56	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00116	0.00555	1	04/07/2018 03:56	WG1094858
1,2-Dibromoethane	U		0.000380	0.00111	1	04/07/2018 03:56	WG1094858
Dibromomethane	U		0.000424	0.00111	1	04/07/2018 03:56	WG1094858
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/07/2018 03:56	WG1094858
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/07/2018 03:56	WG1094858
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/07/2018 03:56	WG1094858
Dichlorodifluoromethane	U		0.000791	0.00555	1	04/07/2018 03:56	WG1094858
1,1-Dichloroethane	U		0.000221	0.00111	1	04/07/2018 03:56	WG1094858
1,2-Dichloroethane	U		0.000294	0.00111	1	04/07/2018 03:56	WG1094858
1,1-Dichloroethene	U		0.000336	0.00111	1	04/07/2018 03:56	WG1094858
cis-1,2-Dichloroethene	0.00118		0.000261	0.00111	1	04/07/2018 03:56	WG1094858
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/07/2018 03:56	WG1094858
1,2-Dichloropropane	U		0.000397	0.00111	1	04/07/2018 03:56	WG1094858
1,1-Dichloropropene	U		0.000352	0.00111	1	04/07/2018 03:56	WG1094858
1,3-Dichloropropane	U		0.000230	0.00111	1	04/07/2018 03:56	WG1094858
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/07/2018 03:56	WG1094858
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/07/2018 03:56	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000863	0.00277	1	04/07/2018 03:56	WG1094858
2,2-Dichloropropane	U		0.000309	0.00111	1	04/07/2018 03:56	WG1094858
Di-isopropyl ether	U		0.000275	0.00111	1	04/07/2018 03:56	WG1094858
Ethylbenzene	U		0.000329	0.00111	1	04/07/2018 03:56	WG1094858
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/07/2018 03:56	WG1094858
2-Hexanone	U	J0	0.00152	0.0111	1	04/07/2018 03:56	WG1094858
n-Hexane	U		0.000322	0.0111	1	04/07/2018 03:56	WG1094858
Iodomethane	U		0.00281	0.0111	1	04/07/2018 03:56	WG1094858
Isopropylbenzene	U		0.000270	0.00111	1	04/07/2018 03:56	WG1094858
p-Isopropyltoluene	U		0.000226	0.00111	1	04/07/2018 03:56	WG1094858
2-Butanone (MEK)	U	J0	0.00519	0.0111	1	04/07/2018 03:56	WG1094858
Methylene Chloride	U		0.00111	0.00555	1	04/07/2018 03:56	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/07/2018 03:56	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/07/2018 03:56	WG1094858
Naphthalene	U		0.00111	0.00555	1	04/07/2018 03:56	WG1094858
n-Propylbenzene	U		0.000229	0.00111	1	04/07/2018 03:56	WG1094858
Styrene	U	J0	0.000260	0.00111	1	04/07/2018 03:56	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/07/2018 03:56	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	04/07/2018 03:56	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	04/07/2018 03:56	WG1094858
Tetrachloroethene	0.0478		0.000306	0.00111	1	04/07/2018 03:56	WG1094858
Toluene	U		0.000481	0.00555	1	04/07/2018 03:56	WG1094858
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/07/2018 03:56	WG1094858
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/07/2018 03:56	WG1094858
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/07/2018 03:56	WG1094858
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/07/2018 03:56	WG1094858
Trichloroethene	0.000770	J	0.000309	0.00111	1	04/07/2018 03:56	WG1094858
Trichlorofluoromethane	U		0.000424	0.00555	1	04/07/2018 03:56	WG1094858
1,2,3-Trichloropropane	U		0.000822	0.00277	1	04/07/2018 03:56	WG1094858
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/07/2018 03:56	WG1094858
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/07/2018 03:56	WG1094858
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/07/2018 03:56	WG1094858
Vinyl acetate	U	J0	0.00265	0.0111	1	04/07/2018 03:56	WG1094858
Vinyl chloride	U		0.000323	0.00111	1	04/07/2018 03:56	WG1094858
Xylenes, Total	U		0.000774	0.00333	1	04/07/2018 03:56	WG1094858
(S) Toluene-d8	*95.9*			*80.0-120*		*04/07/2018 03:56*	WG1094858
(S) Dibromofluoromethane	*132*	J1		*74.0-131*		*04/07/2018 03:56*	WG1094858
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*		*04/07/2018 03:56*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0116	0.0579	1	04/07/2018 04:17	WG1094858
Acrylonitrile	U		0.00207	0.0116	1	04/07/2018 04:17	WG1094858
Benzene	U		0.000313	0.00116	1	04/07/2018 04:17	WG1094858
Bromobenzene	U	J0 J4	0.000329	0.00116	1	04/07/2018 04:17	WG1094858
Bromodichloromethane	U		0.000294	0.00116	1	04/07/2018 04:17	WG1094858
Bromochloromethane	U		0.000452	0.00579	1	04/07/2018 04:17	WG1094858
Bromoform	U	J0	0.000491	0.00116	1	04/07/2018 04:17	WG1094858
Bromomethane	U		0.00155	0.00579	1	04/07/2018 04:17	WG1094858
n-Butylbenzene	U		0.000299	0.00116	1	04/07/2018 04:17	WG1094858
sec-Butylbenzene	U		0.000233	0.00116	1	04/07/2018 04:17	WG1094858
tert-Butylbenzene	U		0.000239	0.00116	1	04/07/2018 04:17	WG1094858
Carbon disulfide	U		0.000256	0.00116	1	04/07/2018 04:17	WG1094858
Carbon tetrachloride	U		0.000380	0.00116	1	04/07/2018 04:17	WG1094858
Chlorobenzene	U		0.000246	0.00116	1	04/07/2018 04:17	WG1094858
Chlorodibromomethane	U		0.000432	0.00116	1	04/07/2018 04:17	WG1094858
Chloroethane	U		0.00110	0.00579	1	04/07/2018 04:17	WG1094858
Chloroform	U		0.000265	0.00579	1	04/07/2018 04:17	WG1094858
Chloromethane	U		0.000434	0.00290	1	04/07/2018 04:17	WG1094858
2-Chlorotoluene	U		0.000349	0.00116	1	04/07/2018 04:17	WG1094858
4-Chlorotoluene	U		0.000278	0.00116	1	04/07/2018 04:17	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00122	0.00579	1	04/07/2018 04:17	WG1094858
1,2-Dibromoethane	U		0.000397	0.00116	1	04/07/2018 04:17	WG1094858
Dibromomethane	U		0.000443	0.00116	1	04/07/2018 04:17	WG1094858
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/07/2018 04:17	WG1094858
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/07/2018 04:17	WG1094858
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/07/2018 04:17	WG1094858
Dichlorodifluoromethane	U		0.000826	0.00579	1	04/07/2018 04:17	WG1094858
1,1-Dichloroethane	U		0.000231	0.00116	1	04/07/2018 04:17	WG1094858
1,2-Dichloroethane	U		0.000307	0.00116	1	04/07/2018 04:17	WG1094858
1,1-Dichloroethene	U		0.000351	0.00116	1	04/07/2018 04:17	WG1094858
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	04/07/2018 04:17	WG1094858
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	04/07/2018 04:17	WG1094858
1,2-Dichloropropane	U		0.000415	0.00116	1	04/07/2018 04:17	WG1094858
1,1-Dichloropropene	U		0.000367	0.00116	1	04/07/2018 04:17	WG1094858
1,3-Dichloropropane	U		0.000240	0.00116	1	04/07/2018 04:17	WG1094858
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/07/2018 04:17	WG1094858
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/07/2018 04:17	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000901	0.00290	1	04/07/2018 04:17	WG1094858
2,2-Dichloropropane	U		0.000323	0.00116	1	04/07/2018 04:17	WG1094858
Di-isopropyl ether	U		0.000287	0.00116	1	04/07/2018 04:17	WG1094858
Ethylbenzene	U		0.000344	0.00116	1	04/07/2018 04:17	WG1094858
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/07/2018 04:17	WG1094858
2-Hexanone	U	J0	0.00159	0.0116	1	04/07/2018 04:17	WG1094858
n-Hexane	U		0.000336	0.0116	1	04/07/2018 04:17	WG1094858
Iodomethane	U		0.00293	0.0116	1	04/07/2018 04:17	WG1094858
Isopropylbenzene	U		0.000282	0.00116	1	04/07/2018 04:17	WG1094858
p-Isopropyltoluene	U		0.000236	0.00116	1	04/07/2018 04:17	WG1094858
2-Butanone (MEK)	U	J0	0.00542	0.0116	1	04/07/2018 04:17	WG1094858
Methylene Chloride	U		0.00116	0.00579	1	04/07/2018 04:17	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/07/2018 04:17	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/07/2018 04:17	WG1094858
Naphthalene	U		0.00116	0.00579	1	04/07/2018 04:17	WG1094858
n-Propylbenzene	U		0.000239	0.00116	1	04/07/2018 04:17	WG1094858
Styrene	U	J0	0.000271	0.00116	1	04/07/2018 04:17	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/07/2018 04:17	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/07/2018 04:17	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/07/2018 04:17	WG1094858
Tetrachloroethene	0.00122		0.000320	0.00116	1	04/07/2018 04:17	WG1094858
Toluene	U		0.000503	0.00579	1	04/07/2018 04:17	WG1094858
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/07/2018 04:17	WG1094858
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/07/2018 04:17	WG1094858
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/07/2018 04:17	WG1094858
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/07/2018 04:17	WG1094858
Trichloroethene	U		0.000323	0.00116	1	04/07/2018 04:17	WG1094858
Trichlorofluoromethane	U		0.000443	0.00579	1	04/07/2018 04:17	WG1094858
1,2,3-Trichloropropane	U		0.000859	0.00290	1	04/07/2018 04:17	WG1094858
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/07/2018 04:17	WG1094858
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/07/2018 04:17	WG1094858
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/07/2018 04:17	WG1094858
Vinyl acetate	U	J0	0.00277	0.0116	1	04/07/2018 04:17	WG1094858
Vinyl chloride	U		0.000337	0.00116	1	04/07/2018 04:17	WG1094858
Xylenes, Total	U		0.000809	0.00348	1	04/07/2018 04:17	WG1094858
(S) Toluene-d8	*96.5*			*80.0-120*		*04/07/2018 04:17*	WG1094858
(S) Dibromofluoromethane	*133*	J1		*74.0-131*		*04/07/2018 04:17*	WG1094858
(S) 4-Bromofluorobenzene	*92.1*			*64.0-132*		*04/07/2018 04:17*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0113	J J0	0.0112	0.0561	1	04/07/2018 04:39	WG1094858
Acrylonitrile	U		0.00201	0.0112	1	04/07/2018 04:39	WG1094858
Benzene	U		0.000303	0.00112	1	04/07/2018 04:39	WG1094858
Bromobenzene	U	J0 J4	0.000319	0.00112	1	04/07/2018 04:39	WG1094858
Bromodichloromethane	U		0.000285	0.00112	1	04/07/2018 04:39	WG1094858
Bromochloromethane	U		0.000438	0.00561	1	04/07/2018 04:39	WG1094858
Bromoform	U	J0	0.000476	0.00112	1	04/07/2018 04:39	WG1094858
Bromomethane	U		0.00150	0.00561	1	04/07/2018 04:39	WG1094858
n-Butylbenzene	U		0.000289	0.00112	1	04/07/2018 04:39	WG1094858
sec-Butylbenzene	U		0.000226	0.00112	1	04/07/2018 04:39	WG1094858
tert-Butylbenzene	U		0.000231	0.00112	1	04/07/2018 04:39	WG1094858
Carbon disulfide	0.000815	J	0.000248	0.00112	1	04/07/2018 04:39	WG1094858
Carbon tetrachloride	U		0.000368	0.00112	1	04/07/2018 04:39	WG1094858
Chlorobenzene	U		0.000238	0.00112	1	04/07/2018 04:39	WG1094858
Chlorodibromomethane	U		0.000418	0.00112	1	04/07/2018 04:39	WG1094858
Chloroethane	U		0.00106	0.00561	1	04/07/2018 04:39	WG1094858
Chloroform	U		0.000257	0.00561	1	04/07/2018 04:39	WG1094858
Chloromethane	U		0.000421	0.00280	1	04/07/2018 04:39	WG1094858
2-Chlorotoluene	U		0.000338	0.00112	1	04/07/2018 04:39	WG1094858
4-Chlorotoluene	U		0.000269	0.00112	1	04/07/2018 04:39	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00118	0.00561	1	04/07/2018 04:39	WG1094858
1,2-Dibromoethane	U		0.000385	0.00112	1	04/07/2018 04:39	WG1094858
Dibromomethane	U		0.000429	0.00112	1	04/07/2018 04:39	WG1094858
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/07/2018 04:39	WG1094858
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/07/2018 04:39	WG1094858
1,4-Dichlorobenzene	U		0.000254	0.00112	1	04/07/2018 04:39	WG1094858
Dichlorodifluoromethane	U		0.000800	0.00561	1	04/07/2018 04:39	WG1094858
1,1-Dichloroethane	U		0.000223	0.00112	1	04/07/2018 04:39	WG1094858
1,2-Dichloroethane	U		0.000297	0.00112	1	04/07/2018 04:39	WG1094858
1,1-Dichloroethene	U		0.000340	0.00112	1	04/07/2018 04:39	WG1094858
cis-1,2-Dichloroethene	U		0.000264	0.00112	1	04/07/2018 04:39	WG1094858
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/07/2018 04:39	WG1094858
1,2-Dichloropropane	U		0.000402	0.00112	1	04/07/2018 04:39	WG1094858
1,1-Dichloropropene	U		0.000356	0.00112	1	04/07/2018 04:39	WG1094858
1,3-Dichloropropane	U		0.000232	0.00112	1	04/07/2018 04:39	WG1094858
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/07/2018 04:39	WG1094858
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	04/07/2018 04:39	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000873	0.00280	1	04/07/2018 04:39	WG1094858
2,2-Dichloropropane	U		0.000313	0.00112	1	04/07/2018 04:39	WG1094858
Di-isopropyl ether	U		0.000278	0.00112	1	04/07/2018 04:39	WG1094858
Ethylbenzene	U		0.000333	0.00112	1	04/07/2018 04:39	WG1094858
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/07/2018 04:39	WG1094858
2-Hexanone	U	J0	0.00154	0.0112	1	04/07/2018 04:39	WG1094858
n-Hexane	U		0.000325	0.0112	1	04/07/2018 04:39	WG1094858
Iodomethane	U		0.00284	0.0112	1	04/07/2018 04:39	WG1094858
Isopropylbenzene	U		0.000273	0.00112	1	04/07/2018 04:39	WG1094858
p-Isopropyltoluene	U		0.000229	0.00112	1	04/07/2018 04:39	WG1094858
2-Butanone (MEK)	U	J0	0.00525	0.0112	1	04/07/2018 04:39	WG1094858
Methylene Chloride	U		0.00112	0.00561	1	04/07/2018 04:39	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/07/2018 04:39	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/07/2018 04:39	WG1094858
Naphthalene	U		0.00112	0.00561	1	04/07/2018 04:39	WG1094858
n-Propylbenzene	U		0.000231	0.00112	1	04/07/2018 04:39	WG1094858
Styrene	U	J0	0.000263	0.00112	1	04/07/2018 04:39	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/07/2018 04:39	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/07/2018 04:39	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/07/2018 04:39	WG1094858
Tetrachloroethene	0.0276		0.000310	0.00112	1	04/07/2018 04:39	WG1094858
Toluene	U		0.000487	0.00561	1	04/07/2018 04:39	WG1094858
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/07/2018 04:39	WG1094858
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/07/2018 04:39	WG1094858
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/07/2018 04:39	WG1094858
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/07/2018 04:39	WG1094858
Trichloroethene	U		0.000313	0.00112	1	04/07/2018 04:39	WG1094858
Trichlorofluoromethane	U		0.000429	0.00561	1	04/07/2018 04:39	WG1094858
1,2,3-Trichloropropane	U		0.000831	0.00280	1	04/07/2018 04:39	WG1094858
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/07/2018 04:39	WG1094858
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/07/2018 04:39	WG1094858
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 04:39	WG1094858
Vinyl acetate	U	J0	0.00268	0.0112	1	04/07/2018 04:39	WG1094858
Vinyl chloride	U		0.000326	0.00112	1	04/07/2018 04:39	WG1094858
Xylenes, Total	U		0.000783	0.00337	1	04/07/2018 04:39	WG1094858
(S) Toluene-d8	*99.2*			*80.0-120*		*04/07/2018 04:39*	WG1094858
(S) Dibromofluoromethane	*125*			*74.0-131*		*04/07/2018 04:39*	WG1094858
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/07/2018 04:39*	WG1094858

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/06/2018 13:19	WG1094689
Acrylonitrile	U		0.873	5.00	1	04/06/2018 13:19	WG1094689
Benzene	U		0.0896	0.500	1	04/06/2018 13:19	WG1094689
Bromobenzene	U		0.133	0.500	1	04/06/2018 13:19	WG1094689
Bromodichloromethane	U		0.0800	0.500	1	04/06/2018 13:19	WG1094689
Bromochloromethane	U		0.145	0.500	1	04/06/2018 13:19	WG1094689
Bromoform	U		0.186	0.500	1	04/06/2018 13:19	WG1094689
Bromomethane	U		0.157	2.50	1	04/06/2018 13:19	WG1094689
n-Butylbenzene	U		0.143	0.500	1	04/06/2018 13:19	WG1094689
sec-Butylbenzene	U		0.134	0.500	1	04/06/2018 13:19	WG1094689
tert-Butylbenzene	U		0.183	0.500	1	04/06/2018 13:19	WG1094689
Carbon disulfide	U		0.101	0.500	1	04/06/2018 13:19	WG1094689
Carbon tetrachloride	U		0.159	0.500	1	04/06/2018 13:19	WG1094689
Chlorobenzene	U		0.140	0.500	1	04/06/2018 13:19	WG1094689
Chlorodibromomethane	U		0.128	0.500	1	04/06/2018 13:19	WG1094689
Chloroethane	U		0.141	2.50	1	04/06/2018 13:19	WG1094689
Chloroform	U		0.0860	0.500	1	04/06/2018 13:19	WG1094689
Chloromethane	U		0.153	1.25	1	04/06/2018 13:19	WG1094689
2-Chlorotoluene	U		0.111	0.500	1	04/06/2018 13:19	WG1094689
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2018 13:19	WG1094689
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2018 13:19	WG1094689
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2018 13:19	WG1094689
Dibromomethane	U		0.117	0.500	1	04/06/2018 13:19	WG1094689
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2018 13:19	WG1094689
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2018 13:19	WG1094689
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2018 13:19	WG1094689
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2018 13:19	WG1094689
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2018 13:19	WG1094689
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2018 13:19	WG1094689
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2018 13:19	WG1094689
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/06/2018 13:19	WG1094689
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2018 13:19	WG1094689
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2018 13:19	WG1094689
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2018 13:19	WG1094689
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2018 13:19	WG1094689
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2018 13:19	WG1094689
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2018 13:19	WG1094689
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2018 13:19	WG1094689
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2018 13:19	WG1094689
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2018 13:19	WG1094689
Ethylbenzene	U		0.158	0.500	1	04/06/2018 13:19	WG1094689
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2018 13:19	WG1094689
2-Hexanone	U		0.757	5.00	1	04/06/2018 13:19	WG1094689
n-Hexane	U		0.305	5.00	1	04/06/2018 13:19	WG1094689
Iodomethane	U		0.377	10.0	1	04/06/2018 13:19	WG1094689
Isopropylbenzene	U		0.126	0.500	1	04/06/2018 13:19	WG1094689
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2018 13:19	WG1094689
2-Butanone (MEK)	U		1.28	5.00	1	04/06/2018 13:19	WG1094689
Methylene Chloride	U		1.07	2.50	1	04/06/2018 13:19	WG1094689
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2018 13:19	WG1094689
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2018 13:19	WG1094689
Naphthalene	U		0.174	2.50	1	04/06/2018 13:19	WG1094689
n-Propylbenzene	U		0.162	0.500	1	04/06/2018 13:19	WG1094689
Styrene	U		0.117	0.500	1	04/06/2018 13:19	WG1094689
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2018 13:19	WG1094689
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2018 13:19	WG1094689

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2018 13:19	WG1094689
Tetrachloroethene	U		0.199	0.500	1	04/06/2018 13:19	WG1094689
Toluene	U		0.412	0.500	1	04/06/2018 13:19	WG1094689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2018 13:19	WG1094689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2018 13:19	WG1094689
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2018 13:19	WG1094689
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2018 13:19	WG1094689
Trichloroethene	U		0.153	0.500	1	04/06/2018 13:19	WG1094689
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2018 13:19	WG1094689
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2018 13:19	WG1094689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2018 13:19	WG1094689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2018 13:19	WG1094689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2018 13:19	WG1094689
Vinyl acetate	U		0.645	5.00	1	04/06/2018 13:19	WG1094689
Vinyl chloride	U		0.118	0.500	1	04/06/2018 13:19	WG1094689
Xylenes, Total	U		0.316	1.50	1	04/06/2018 13:19	WG1094689
(S) Toluene-d8	*100*			*80.0-120*		*04/06/2018 13:19*	WG1094689
(S) Dibromofluoromethane	*94.9*			*76.0-123*		*04/06/2018 13:19*	WG1094689
(S) 4-Bromofluorobenzene	*99.7*			*80.0-120*		*04/06/2018 13:19*	WG1094689

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0118	0.0592	1	04/07/2018 05:00	WG1094858
Acrylonitrile	U		0.00212	0.0118	1	04/07/2018 05:00	WG1094858
Benzene	0.000470	J	0.000320	0.00118	1	04/07/2018 05:00	WG1094858
Bromobenzene	U	J0 J4	0.000336	0.00118	1	04/07/2018 05:00	WG1094858
Bromodichloromethane	U		0.000301	0.00118	1	04/07/2018 05:00	WG1094858
Bromochloromethane	U		0.000462	0.00592	1	04/07/2018 05:00	WG1094858
Bromoform	U	J0	0.000502	0.00118	1	04/07/2018 05:00	WG1094858
Bromomethane	U		0.00159	0.00592	1	04/07/2018 05:00	WG1094858
n-Butylbenzene	U		0.000305	0.00118	1	04/07/2018 05:00	WG1094858
sec-Butylbenzene	U		0.000238	0.00118	1	04/07/2018 05:00	WG1094858
tert-Butylbenzene	U		0.000244	0.00118	1	04/07/2018 05:00	WG1094858
Carbon disulfide	0.000849	J	0.000262	0.00118	1	04/07/2018 05:00	WG1094858
Carbon tetrachloride	U		0.000388	0.00118	1	04/07/2018 05:00	WG1094858
Chlorobenzene	U		0.000251	0.00118	1	04/07/2018 05:00	WG1094858
Chlorodibromomethane	U		0.000441	0.00118	1	04/07/2018 05:00	WG1094858
Chloroethane	U		0.00112	0.00592	1	04/07/2018 05:00	WG1094858
Chloroform	U		0.000271	0.00592	1	04/07/2018 05:00	WG1094858
Chloromethane	U		0.000444	0.00296	1	04/07/2018 05:00	WG1094858
2-Chlorotoluene	U		0.000356	0.00118	1	04/07/2018 05:00	WG1094858
4-Chlorotoluene	U		0.000284	0.00118	1	04/07/2018 05:00	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00124	0.00592	1	04/07/2018 05:00	WG1094858
1,2-Dibromoethane	U		0.000406	0.00118	1	04/07/2018 05:00	WG1094858
Dibromomethane	U		0.000452	0.00118	1	04/07/2018 05:00	WG1094858
1,2-Dichlorobenzene	U		0.000361	0.00118	1	04/07/2018 05:00	WG1094858
1,3-Dichlorobenzene	U		0.000283	0.00118	1	04/07/2018 05:00	WG1094858
1,4-Dichlorobenzene	U		0.000267	0.00118	1	04/07/2018 05:00	WG1094858
Dichlorodifluoromethane	U		0.000844	0.00592	1	04/07/2018 05:00	WG1094858
1,1-Dichloroethane	U		0.000236	0.00118	1	04/07/2018 05:00	WG1094858
1,2-Dichloroethane	U		0.000314	0.00118	1	04/07/2018 05:00	WG1094858
1,1-Dichloroethene	0.0167		0.000359	0.00118	1	04/07/2018 05:00	WG1094858
cis-1,2-Dichloroethene	0.0585		0.000278	0.00118	1	04/07/2018 05:00	WG1094858
trans-1,2-Dichloroethene	0.000642	J	0.000312	0.00118	1	04/07/2018 05:00	WG1094858
1,2-Dichloropropane	U		0.000424	0.00118	1	04/07/2018 05:00	WG1094858
1,1-Dichloropropene	U		0.000375	0.00118	1	04/07/2018 05:00	WG1094858
1,3-Dichloropropane	U		0.000245	0.00118	1	04/07/2018 05:00	WG1094858
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	04/07/2018 05:00	WG1094858
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	04/07/2018 05:00	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000921	0.00296	1	04/07/2018 05:00	WG1094858
2,2-Dichloropropane	U		0.000330	0.00118	1	04/07/2018 05:00	WG1094858
Di-isopropyl ether	U		0.000294	0.00118	1	04/07/2018 05:00	WG1094858
Ethylbenzene	U		0.000352	0.00118	1	04/07/2018 05:00	WG1094858
Hexachloro-1,3-butadiene	U		0.000405	0.00118	1	04/07/2018 05:00	WG1094858
2-Hexanone	U	J0	0.00162	0.0118	1	04/07/2018 05:00	WG1094858
n-Hexane	0.000482	J	0.000343	0.0118	1	04/07/2018 05:00	WG1094858
Iodomethane	U		0.00299	0.0118	1	04/07/2018 05:00	WG1094858
Isopropylbenzene	U		0.000288	0.00118	1	04/07/2018 05:00	WG1094858
p-Isopropyltoluene	U		0.000241	0.00118	1	04/07/2018 05:00	WG1094858
2-Butanone (MEK)	U	J0	0.00554	0.0118	1	04/07/2018 05:00	WG1094858
Methylene Chloride	U		0.00118	0.00592	1	04/07/2018 05:00	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0118	1	04/07/2018 05:00	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00118	1	04/07/2018 05:00	WG1094858
Naphthalene	U		0.00118	0.00592	1	04/07/2018 05:00	WG1094858
n-Propylbenzene	U		0.000244	0.00118	1	04/07/2018 05:00	WG1094858
Styrene	U	J0	0.000277	0.00118	1	04/07/2018 05:00	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	04/07/2018 05:00	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000432	0.00118	1	04/07/2018 05:00	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000432	0.00118	1	04/07/2018 05:00	WG1094858
Tetrachloroethene	17.2		0.0327	0.118	100	04/11/2018 18:12	WG1094858
Toluene	0.000883	J	0.000514	0.00592	1	04/07/2018 05:00	WG1094858
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	04/07/2018 05:00	WG1094858
1,2,4-Trichlorobenzene	U		0.000459	0.00118	1	04/07/2018 05:00	WG1094858
1,1,1-Trichloroethane	U		0.000338	0.00118	1	04/07/2018 05:00	WG1094858
1,1,2-Trichloroethane	U		0.000328	0.00118	1	04/07/2018 05:00	WG1094858
Trichloroethene	0.699		0.0330	0.118	100	04/11/2018 18:12	WG1094858
Trichlorofluoromethane	U		0.000452	0.00592	1	04/07/2018 05:00	WG1094858
1,2,3-Trichloropropane	U		0.000877	0.00296	1	04/07/2018 05:00	WG1094858
1,2,4-Trimethylbenzene	U		0.000250	0.00118	1	04/07/2018 05:00	WG1094858
1,2,3-Trimethylbenzene	U		0.000340	0.00118	1	04/07/2018 05:00	WG1094858
1,3,5-Trimethylbenzene	U		0.000315	0.00118	1	04/07/2018 05:00	WG1094858
Vinyl acetate	U	J0	0.00283	0.0118	1	04/07/2018 05:00	WG1094858
Vinyl chloride	0.0156		0.000344	0.00118	1	04/07/2018 05:00	WG1094858
Xylenes, Total	U		0.000826	0.00355	1	04/07/2018 05:00	WG1094858
(S) Toluene-d8	*109*			*80.0-120*		*04/11/2018 18:12*	WG1094858
(S) Toluene-d8	*97.7*			*80.0-120*		*04/07/2018 05:00*	WG1094858
(S) Dibromofluoromethane	*123*			*74.0-131*		*04/07/2018 05:00*	WG1094858
(S) Dibromofluoromethane	*88.8*			*74.0-131*		*04/11/2018 18:12*	WG1094858
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/11/2018 18:12*	WG1094858
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*04/07/2018 05:00*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0549	1	04/07/2018 05:22	WG1094858
Acrylonitrile	U		0.00196	0.0110	1	04/07/2018 05:22	WG1094858
Benzene	U		0.000296	0.00110	1	04/07/2018 05:22	WG1094858
Bromobenzene	U	J0 J4	0.000312	0.00110	1	04/07/2018 05:22	WG1094858
Bromodichloromethane	U		0.000279	0.00110	1	04/07/2018 05:22	WG1094858
Bromochloromethane	U		0.000428	0.00549	1	04/07/2018 05:22	WG1094858
Bromoform	U	J0	0.000465	0.00110	1	04/07/2018 05:22	WG1094858
Bromomethane	U		0.00147	0.00549	1	04/07/2018 05:22	WG1094858
n-Butylbenzene	U		0.000283	0.00110	1	04/07/2018 05:22	WG1094858
sec-Butylbenzene	U		0.000221	0.00110	1	04/07/2018 05:22	WG1094858
tert-Butylbenzene	U		0.000226	0.00110	1	04/07/2018 05:22	WG1094858
Carbon disulfide	0.000248	J	0.000242	0.00110	1	04/07/2018 05:22	WG1094858
Carbon tetrachloride	U		0.000360	0.00110	1	04/07/2018 05:22	WG1094858
Chlorobenzene	U		0.000233	0.00110	1	04/07/2018 05:22	WG1094858
Chlorodibromomethane	U		0.000409	0.00110	1	04/07/2018 05:22	WG1094858
Chloroethane	U		0.00104	0.00549	1	04/07/2018 05:22	WG1094858
Chloroform	U		0.000251	0.00549	1	04/07/2018 05:22	WG1094858
Chloromethane	0.000804	J	0.000411	0.00274	1	04/07/2018 05:22	WG1094858
2-Chlorotoluene	U		0.000330	0.00110	1	04/07/2018 05:22	WG1094858
4-Chlorotoluene	U		0.000263	0.00110	1	04/07/2018 05:22	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00115	0.00549	1	04/07/2018 05:22	WG1094858
1,2-Dibromoethane	U		0.000376	0.00110	1	04/07/2018 05:22	WG1094858
Dibromomethane	U		0.000419	0.00110	1	04/07/2018 05:22	WG1094858
1,2-Dichlorobenzene	U		0.000335	0.00110	1	04/07/2018 05:22	WG1094858
1,3-Dichlorobenzene	U		0.000262	0.00110	1	04/07/2018 05:22	WG1094858
1,4-Dichlorobenzene	U		0.000248	0.00110	1	04/07/2018 05:22	WG1094858
Dichlorodifluoromethane	U		0.000782	0.00549	1	04/07/2018 05:22	WG1094858
1,1-Dichloroethane	U		0.000218	0.00110	1	04/07/2018 05:22	WG1094858
1,2-Dichloroethane	U		0.000291	0.00110	1	04/07/2018 05:22	WG1094858
1,1-Dichloroethene	U		0.000332	0.00110	1	04/07/2018 05:22	WG1094858
cis-1,2-Dichloroethene	0.0154		0.000258	0.00110	1	04/07/2018 05:22	WG1094858
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	04/07/2018 05:22	WG1094858
1,2-Dichloropropane	U		0.000393	0.00110	1	04/07/2018 05:22	WG1094858
1,1-Dichloropropene	U		0.000348	0.00110	1	04/07/2018 05:22	WG1094858
1,3-Dichloropropane	U		0.000227	0.00110	1	04/07/2018 05:22	WG1094858
cis-1,3-Dichloropropene	U		0.000287	0.00110	1	04/07/2018 05:22	WG1094858
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	04/07/2018 05:22	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000854	0.00274	1	04/07/2018 05:22	WG1094858
2,2-Dichloropropane	U		0.000306	0.00110	1	04/07/2018 05:22	WG1094858
Di-isopropyl ether	U		0.000272	0.00110	1	04/07/2018 05:22	WG1094858
Ethylbenzene	U		0.000326	0.00110	1	04/07/2018 05:22	WG1094858
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	04/07/2018 05:22	WG1094858
2-Hexanone	U	J0	0.00150	0.0110	1	04/07/2018 05:22	WG1094858
n-Hexane	U		0.000318	0.0110	1	04/07/2018 05:22	WG1094858
Iodomethane	U		0.00278	0.0110	1	04/07/2018 05:22	WG1094858
Isopropylbenzene	U		0.000267	0.00110	1	04/07/2018 05:22	WG1094858
p-Isopropyltoluene	U		0.000224	0.00110	1	04/07/2018 05:22	WG1094858
2-Butanone (MEK)	U	J0	0.00514	0.0110	1	04/07/2018 05:22	WG1094858
Methylene Chloride	U		0.00110	0.00549	1	04/07/2018 05:22	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	04/07/2018 05:22	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/07/2018 05:22	WG1094858
Naphthalene	U		0.00110	0.00549	1	04/07/2018 05:22	WG1094858
n-Propylbenzene	U		0.000226	0.00110	1	04/07/2018 05:22	WG1094858
Styrene	U	J0	0.000257	0.00110	1	04/07/2018 05:22	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/07/2018 05:22	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000400	0.00110	1	04/07/2018 05:22	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00110	1	04/07/2018 05:22	WG1094858
Tetrachloroethene	0.00525		0.000303	0.00110	1	04/11/2018 17:01	WG1094858
Toluene	U		0.000476	0.00549	1	04/07/2018 05:22	WG1094858
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/07/2018 05:22	WG1094858
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/07/2018 05:22	WG1094858
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/07/2018 05:22	WG1094858
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/07/2018 05:22	WG1094858
Trichloroethene	0.00280		0.000306	0.00110	1	04/11/2018 17:01	WG1094858
Trichlorofluoromethane	U		0.000419	0.00549	1	04/07/2018 05:22	WG1094858
1,2,3-Trichloropropane	U		0.000813	0.00274	1	04/07/2018 05:22	WG1094858
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/07/2018 05:22	WG1094858
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/07/2018 05:22	WG1094858
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/07/2018 05:22	WG1094858
Vinyl acetate	U	J0	0.00262	0.0110	1	04/07/2018 05:22	WG1094858
Vinyl chloride	0.00660		0.000319	0.00110	1	04/07/2018 05:22	WG1094858
Xylenes, Total	U		0.000766	0.00329	1	04/07/2018 05:22	WG1094858
(S) Toluene-d8	*101*			*80.0-120*		*04/11/2018 17:01*	WG1094858
(S) Toluene-d8	*95.6*			*80.0-120*		*04/07/2018 05:22*	WG1094858
(S) Dibromofluoromethane	*109*			*74.0-131*		*04/11/2018 17:01*	WG1094858
(S) Dibromofluoromethane	*127*			*74.0-131*		*04/07/2018 05:22*	WG1094858
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*04/07/2018 05:22*	WG1094858
(S) 4-Bromofluorobenzene	*99.6*			*64.0-132*		*04/11/2018 17:01*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0115	0.0577	1	04/07/2018 05:43	WG1094858
Acrylonitrile	U		0.00207	0.0115	1	04/07/2018 05:43	WG1094858
Benzene	U		0.000312	0.00115	1	04/07/2018 05:43	WG1094858
Bromobenzene	U	J0 J4	0.000328	0.00115	1	04/07/2018 05:43	WG1094858
Bromodichloromethane	U		0.000293	0.00115	1	04/07/2018 05:43	WG1094858
Bromochloromethane	U		0.000450	0.00577	1	04/07/2018 05:43	WG1094858
Bromoform	U	J0	0.000489	0.00115	1	04/07/2018 05:43	WG1094858
Bromomethane	U		0.00155	0.00577	1	04/07/2018 05:43	WG1094858
n-Butylbenzene	U		0.000298	0.00115	1	04/07/2018 05:43	WG1094858
sec-Butylbenzene	U		0.000232	0.00115	1	04/07/2018 05:43	WG1094858
tert-Butylbenzene	U		0.000238	0.00115	1	04/07/2018 05:43	WG1094858
Carbon disulfide	U		0.000255	0.00115	1	04/07/2018 05:43	WG1094858
Carbon tetrachloride	U		0.000379	0.00115	1	04/07/2018 05:43	WG1094858
Chlorobenzene	U		0.000245	0.00115	1	04/07/2018 05:43	WG1094858
Chlorodibromomethane	U		0.000431	0.00115	1	04/07/2018 05:43	WG1094858
Chloroethane	U		0.00109	0.00577	1	04/07/2018 05:43	WG1094858
Chloroform	U		0.000264	0.00577	1	04/07/2018 05:43	WG1094858
Chloromethane	0.000544	J	0.000433	0.00289	1	04/07/2018 05:43	WG1094858
2-Chlorotoluene	U		0.000347	0.00115	1	04/07/2018 05:43	WG1094858
4-Chlorotoluene	U		0.000277	0.00115	1	04/07/2018 05:43	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00121	0.00577	1	04/07/2018 05:43	WG1094858
1,2-Dibromoethane	U		0.000396	0.00115	1	04/07/2018 05:43	WG1094858
Dibromomethane	U		0.000441	0.00115	1	04/07/2018 05:43	WG1094858
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/07/2018 05:43	WG1094858
1,3-Dichlorobenzene	U		0.000276	0.00115	1	04/07/2018 05:43	WG1094858
1,4-Dichlorobenzene	U		0.000261	0.00115	1	04/07/2018 05:43	WG1094858
Dichlorodifluoromethane	U		0.000823	0.00577	1	04/07/2018 05:43	WG1094858
1,1-Dichloroethane	U		0.000230	0.00115	1	04/07/2018 05:43	WG1094858
1,2-Dichloroethane	U		0.000306	0.00115	1	04/07/2018 05:43	WG1094858
1,1-Dichloroethene	U		0.000350	0.00115	1	04/07/2018 05:43	WG1094858
cis-1,2-Dichloroethene	0.0186		0.000271	0.00115	1	04/07/2018 05:43	WG1094858
trans-1,2-Dichloroethene	U		0.000305	0.00115	1	04/07/2018 05:43	WG1094858
1,2-Dichloropropane	U		0.000413	0.00115	1	04/07/2018 05:43	WG1094858
1,1-Dichloropropene	U		0.000366	0.00115	1	04/07/2018 05:43	WG1094858
1,3-Dichloropropane	U		0.000239	0.00115	1	04/07/2018 05:43	WG1094858
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/07/2018 05:43	WG1094858
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/07/2018 05:43	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000898	0.00289	1	04/07/2018 05:43	WG1094858
2,2-Dichloropropane	U		0.000322	0.00115	1	04/07/2018 05:43	WG1094858
Di-isopropyl ether	U		0.000286	0.00115	1	04/07/2018 05:43	WG1094858
Ethylbenzene	U		0.000343	0.00115	1	04/07/2018 05:43	WG1094858
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	04/07/2018 05:43	WG1094858
2-Hexanone	U	J0	0.00158	0.0115	1	04/07/2018 05:43	WG1094858
n-Hexane	U		0.000335	0.0115	1	04/07/2018 05:43	WG1094858
Iodomethane	U		0.00292	0.0115	1	04/07/2018 05:43	WG1094858
Isopropylbenzene	U		0.000281	0.00115	1	04/07/2018 05:43	WG1094858
p-Isopropyltoluene	U		0.000235	0.00115	1	04/07/2018 05:43	WG1094858
2-Butanone (MEK)	U	J0	0.00540	0.0115	1	04/07/2018 05:43	WG1094858
Methylene Chloride	U		0.00115	0.00577	1	04/07/2018 05:43	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	04/07/2018 05:43	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	04/07/2018 05:43	WG1094858
Naphthalene	U		0.00115	0.00577	1	04/07/2018 05:43	WG1094858
n-Propylbenzene	U		0.000238	0.00115	1	04/07/2018 05:43	WG1094858
Styrene	U	J0	0.000270	0.00115	1	04/07/2018 05:43	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	04/07/2018 05:43	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/07/2018 05:43	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/07/2018 05:43	WG1094858
Tetrachloroethene	0.0301		0.000319	0.00115	1	04/11/2018 17:20	WG1094858
Toluene	U		0.000501	0.00577	1	04/07/2018 05:43	WG1094858
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/07/2018 05:43	WG1094858
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	04/07/2018 05:43	WG1094858
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/07/2018 05:43	WG1094858
1,1,2-Trichloroethane	U		0.000320	0.00115	1	04/07/2018 05:43	WG1094858
Trichloroethene	0.00161		0.000322	0.00115	1	04/11/2018 17:20	WG1094858
Trichlorofluoromethane	U		0.000441	0.00577	1	04/07/2018 05:43	WG1094858
1,2,3-Trichloropropane	U		0.000855	0.00289	1	04/07/2018 05:43	WG1094858
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	04/07/2018 05:43	WG1094858
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/07/2018 05:43	WG1094858
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/07/2018 05:43	WG1094858
Vinyl acetate	U	J0	0.00276	0.0115	1	04/07/2018 05:43	WG1094858
Vinyl chloride	0.00422		0.000336	0.00115	1	04/07/2018 05:43	WG1094858
Xylenes, Total	U		0.000806	0.00346	1	04/07/2018 05:43	WG1094858
(S) Toluene-d8	*103*			*80.0-120*		*04/11/2018 17:20*	WG1094858
(S) Toluene-d8	*97.0*			*80.0-120*		*04/07/2018 05:43*	WG1094858
(S) Dibromofluoromethane	*117*			*74.0-131*		*04/11/2018 17:20*	WG1094858
(S) Dibromofluoromethane	*124*			*74.0-131*		*04/07/2018 05:43*	WG1094858
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*04/11/2018 17:20*	WG1094858
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*04/07/2018 05:43*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0112	0.0561	1	04/07/2018 06:05	WG1094858
Acrylonitrile	U		0.00201	0.0112	1	04/07/2018 06:05	WG1094858
Benzene	U		0.000303	0.00112	1	04/07/2018 06:05	WG1094858
Bromobenzene	U	J0 J4	0.000319	0.00112	1	04/07/2018 06:05	WG1094858
Bromodichloromethane	U		0.000285	0.00112	1	04/07/2018 06:05	WG1094858
Bromochloromethane	U		0.000437	0.00561	1	04/07/2018 06:05	WG1094858
Bromoform	U	J0	0.000476	0.00112	1	04/07/2018 06:05	WG1094858
Bromomethane	U		0.00150	0.00561	1	04/07/2018 06:05	WG1094858
n-Butylbenzene	U		0.000289	0.00112	1	04/07/2018 06:05	WG1094858
sec-Butylbenzene	U		0.000225	0.00112	1	04/07/2018 06:05	WG1094858
tert-Butylbenzene	U		0.000231	0.00112	1	04/07/2018 06:05	WG1094858
Carbon disulfide	U		0.000248	0.00112	1	04/07/2018 06:05	WG1094858
Carbon tetrachloride	U		0.000368	0.00112	1	04/07/2018 06:05	WG1094858
Chlorobenzene	U		0.000238	0.00112	1	04/07/2018 06:05	WG1094858
Chlorodibromomethane	U		0.000418	0.00112	1	04/07/2018 06:05	WG1094858
Chloroethane	0.0124		0.00106	0.00561	1	04/07/2018 06:05	WG1094858
Chloroform	U		0.000257	0.00561	1	04/07/2018 06:05	WG1094858
Chloromethane	U		0.000421	0.00280	1	04/07/2018 06:05	WG1094858
2-Chlorotoluene	U		0.000338	0.00112	1	04/07/2018 06:05	WG1094858
4-Chlorotoluene	U		0.000269	0.00112	1	04/07/2018 06:05	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00118	0.00561	1	04/07/2018 06:05	WG1094858
1,2-Dibromoethane	U		0.000385	0.00112	1	04/07/2018 06:05	WG1094858
Dibromomethane	U		0.000428	0.00112	1	04/07/2018 06:05	WG1094858
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/07/2018 06:05	WG1094858
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/07/2018 06:05	WG1094858
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/07/2018 06:05	WG1094858
Dichlorodifluoromethane	U		0.000800	0.00561	1	04/07/2018 06:05	WG1094858
1,1-Dichloroethane	U		0.000223	0.00112	1	04/07/2018 06:05	WG1094858
1,2-Dichloroethane	U		0.000297	0.00112	1	04/07/2018 06:05	WG1094858
1,1-Dichloroethene	0.00371		0.000340	0.00112	1	04/07/2018 06:05	WG1094858
cis-1,2-Dichloroethene	0.469		0.00659	0.0280	25	04/11/2018 18:33	WG1094858
trans-1,2-Dichloroethene	0.00315		0.000296	0.00112	1	04/07/2018 06:05	WG1094858
1,2-Dichloropropane	U		0.000402	0.00112	1	04/07/2018 06:05	WG1094858
1,1-Dichloropropene	U		0.000356	0.00112	1	04/07/2018 06:05	WG1094858
1,3-Dichloropropane	U		0.000232	0.00112	1	04/07/2018 06:05	WG1094858
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/07/2018 06:05	WG1094858
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/07/2018 06:05	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000873	0.00280	1	04/07/2018 06:05	WG1094858
2,2-Dichloropropane	U		0.000313	0.00112	1	04/07/2018 06:05	WG1094858
Di-isopropyl ether	U		0.000278	0.00112	1	04/07/2018 06:05	WG1094858
Ethylbenzene	U		0.000333	0.00112	1	04/07/2018 06:05	WG1094858
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/07/2018 06:05	WG1094858
2-Hexanone	U	J0	0.00154	0.0112	1	04/07/2018 06:05	WG1094858
n-Hexane	U		0.000325	0.0112	1	04/07/2018 06:05	WG1094858
Iodomethane	U		0.00284	0.0112	1	04/07/2018 06:05	WG1094858
Isopropylbenzene	U		0.000273	0.00112	1	04/07/2018 06:05	WG1094858
p-Isopropyltoluene	U		0.000229	0.00112	1	04/07/2018 06:05	WG1094858
2-Butanone (MEK)	U	J0	0.00525	0.0112	1	04/07/2018 06:05	WG1094858
Methylene Chloride	U		0.00112	0.00561	1	04/07/2018 06:05	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/07/2018 06:05	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/07/2018 06:05	WG1094858
Naphthalene	U		0.00112	0.00561	1	04/07/2018 06:05	WG1094858
n-Propylbenzene	U		0.000231	0.00112	1	04/07/2018 06:05	WG1094858
Styrene	U	J0	0.000262	0.00112	1	04/07/2018 06:05	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/07/2018 06:05	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/07/2018 06:05	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/07/2018 06:05	WG1094858
Tetrachloroethene	0.0422		0.000310	0.00112	1	04/07/2018 06:05	WG1094858
Toluene	U		0.000487	0.00561	1	04/07/2018 06:05	WG1094858
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/07/2018 06:05	WG1094858
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/07/2018 06:05	WG1094858
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/07/2018 06:05	WG1094858
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/07/2018 06:05	WG1094858
Trichloroethene	0.0721		0.000313	0.00112	1	04/07/2018 06:05	WG1094858
Trichlorofluoromethane	U		0.000428	0.00561	1	04/07/2018 06:05	WG1094858
1,2,3-Trichloropropane	U		0.000831	0.00280	1	04/07/2018 06:05	WG1094858
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/07/2018 06:05	WG1094858
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/07/2018 06:05	WG1094858
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 06:05	WG1094858
Vinyl acetate	U	J0	0.00268	0.0112	1	04/07/2018 06:05	WG1094858
Vinyl chloride	0.107		0.00817	0.0280	25	04/11/2018 18:33	WG1094858
Xylenes, Total	U		0.000783	0.00336	1	04/07/2018 06:05	WG1094858
(S) Toluene-d8	*95.5*			*80.0-120*		*04/07/2018 06:05*	WG1094858
(S) Toluene-d8	*111*			*80.0-120*		*04/11/2018 18:33*	WG1094858
(S) Dibromofluoromethane	*131*			*74.0-131*		*04/07/2018 06:05*	WG1094858
(S) Dibromofluoromethane	*93.7*			*74.0-131*		*04/11/2018 18:33*	WG1094858
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/11/2018 18:33*	WG1094858
(S) 4-Bromofluorobenzene	*90.5*			*64.0-132*		*04/07/2018 06:05*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0112	0.0560	1	04/07/2018 06:26	WG1094858
Acrylonitrile	U		0.00200	0.0112	1	04/07/2018 06:26	WG1094858
Benzene	U		0.000302	0.00112	1	04/07/2018 06:26	WG1094858
Bromobenzene	U	J0 J4	0.000318	0.00112	1	04/07/2018 06:26	WG1094858
Bromodichloromethane	U		0.000284	0.00112	1	04/07/2018 06:26	WG1094858
Bromochloromethane	U		0.000437	0.00560	1	04/07/2018 06:26	WG1094858
Bromoform	U	J0	0.000475	0.00112	1	04/07/2018 06:26	WG1094858
Bromomethane	U		0.00150	0.00560	1	04/07/2018 06:26	WG1094858
n-Butylbenzene	U		0.000289	0.00112	1	04/07/2018 06:26	WG1094858
sec-Butylbenzene	U		0.000225	0.00112	1	04/07/2018 06:26	WG1094858
tert-Butylbenzene	U		0.000231	0.00112	1	04/07/2018 06:26	WG1094858
Carbon disulfide	U		0.000247	0.00112	1	04/07/2018 06:26	WG1094858
Carbon tetrachloride	U		0.000367	0.00112	1	04/07/2018 06:26	WG1094858
Chlorobenzene	U		0.000237	0.00112	1	04/07/2018 06:26	WG1094858
Chlorodibromomethane	U		0.000418	0.00112	1	04/07/2018 06:26	WG1094858
Chloroethane	U		0.00106	0.00560	1	04/07/2018 06:26	WG1094858
Chloroform	U		0.000256	0.00560	1	04/07/2018 06:26	WG1094858
Chloromethane	U		0.000420	0.00280	1	04/07/2018 06:26	WG1094858
2-Chlorotoluene	U		0.000337	0.00112	1	04/07/2018 06:26	WG1094858
4-Chlorotoluene	U		0.000269	0.00112	1	04/07/2018 06:26	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00118	0.00560	1	04/07/2018 06:26	WG1094858
1,2-Dibromoethane	U		0.000384	0.00112	1	04/07/2018 06:26	WG1094858
Dibromomethane	U		0.000428	0.00112	1	04/07/2018 06:26	WG1094858
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/07/2018 06:26	WG1094858
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/07/2018 06:26	WG1094858
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/07/2018 06:26	WG1094858
Dichlorodifluoromethane	U		0.000798	0.00560	1	04/07/2018 06:26	WG1094858
1,1-Dichloroethane	U		0.000223	0.00112	1	04/07/2018 06:26	WG1094858
1,2-Dichloroethane	U		0.000297	0.00112	1	04/07/2018 06:26	WG1094858
1,1-Dichloroethene	U		0.000339	0.00112	1	04/07/2018 06:26	WG1094858
cis-1,2-Dichloroethene	0.00708		0.000263	0.00112	1	04/11/2018 17:40	WG1094858
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/07/2018 06:26	WG1094858
1,2-Dichloropropane	U		0.000401	0.00112	1	04/07/2018 06:26	WG1094858
1,1-Dichloropropene	U		0.000355	0.00112	1	04/07/2018 06:26	WG1094858
1,3-Dichloropropane	U		0.000232	0.00112	1	04/07/2018 06:26	WG1094858
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/07/2018 06:26	WG1094858
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/07/2018 06:26	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000871	0.00280	1	04/07/2018 06:26	WG1094858
2,2-Dichloropropane	U		0.000312	0.00112	1	04/07/2018 06:26	WG1094858
Di-isopropyl ether	U		0.000278	0.00112	1	04/07/2018 06:26	WG1094858
Ethylbenzene	U		0.000333	0.00112	1	04/07/2018 06:26	WG1094858
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	04/07/2018 06:26	WG1094858
2-Hexanone	U	J0	0.00153	0.0112	1	04/07/2018 06:26	WG1094858
n-Hexane	U		0.000325	0.0112	1	04/07/2018 06:26	WG1094858
Iodomethane	U		0.00283	0.0112	1	04/07/2018 06:26	WG1094858
Isopropylbenzene	U		0.000272	0.00112	1	04/07/2018 06:26	WG1094858
p-Isopropyltoluene	U		0.000228	0.00112	1	04/07/2018 06:26	WG1094858
2-Butanone (MEK)	U	J0	0.00524	0.0112	1	04/07/2018 06:26	WG1094858
Methylene Chloride	U		0.00112	0.00560	1	04/07/2018 06:26	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/07/2018 06:26	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/07/2018 06:26	WG1094858
Naphthalene	U		0.00112	0.00560	1	04/07/2018 06:26	WG1094858
n-Propylbenzene	U		0.000231	0.00112	1	04/07/2018 06:26	WG1094858
Styrene	U	J0	0.000262	0.00112	1	04/07/2018 06:26	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/07/2018 06:26	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/07/2018 06:26	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/07/2018 06:26	WG1094858
Tetrachloroethene	0.0191		0.000309	0.00112	1	04/07/2018 06:26	WG1094858
Toluene	U		0.000486	0.00560	1	04/07/2018 06:26	WG1094858
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/07/2018 06:26	WG1094858
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/07/2018 06:26	WG1094858
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/07/2018 06:26	WG1094858
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/07/2018 06:26	WG1094858
Trichloroethene	0.00284		0.000312	0.00112	1	04/07/2018 06:26	WG1094858
Trichlorofluoromethane	U		0.000428	0.00560	1	04/07/2018 06:26	WG1094858
1,2,3-Trichloropropane	U		0.000830	0.00280	1	04/07/2018 06:26	WG1094858
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/07/2018 06:26	WG1094858
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/07/2018 06:26	WG1094858
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 06:26	WG1094858
Vinyl acetate	U	J0	0.00268	0.0112	1	04/07/2018 06:26	WG1094858
Vinyl chloride	0.00382		0.000326	0.00112	1	04/11/2018 17:40	WG1094858
Xylenes, Total	U		0.000782	0.00336	1	04/07/2018 06:26	WG1094858
(S) Toluene-d8	*95.0*			*80.0-120*		*04/07/2018 06:26*	WG1094858
(S) Toluene-d8	*101*			*80.0-120*		*04/11/2018 17:40*	WG1094858
(S) Dibromofluoromethane	*127*			*74.0-131*		*04/07/2018 06:26*	WG1094858
(S) Dibromofluoromethane	*114*			*74.0-131*		*04/11/2018 17:40*	WG1094858
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/07/2018 06:26*	WG1094858
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/11/2018 17:40*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0550	1	04/07/2018 06:48	WG1094858
Acrylonitrile	U		0.00197	0.0110	1	04/07/2018 06:48	WG1094858
Benzene	0.000370	J	0.000297	0.00110	1	04/07/2018 06:48	WG1094858
Bromobenzene	U	J0 J4	0.000313	0.00110	1	04/07/2018 06:48	WG1094858
Bromodichloromethane	U		0.000280	0.00110	1	04/07/2018 06:48	WG1094858
Bromochloromethane	U		0.000429	0.00550	1	04/07/2018 06:48	WG1094858
Bromoform	U	J0	0.000467	0.00110	1	04/07/2018 06:48	WG1094858
Bromomethane	U		0.00148	0.00550	1	04/07/2018 06:48	WG1094858
n-Butylbenzene	U		0.000284	0.00110	1	04/07/2018 06:48	WG1094858
sec-Butylbenzene	U		0.000221	0.00110	1	04/07/2018 06:48	WG1094858
tert-Butylbenzene	U		0.000227	0.00110	1	04/07/2018 06:48	WG1094858
Carbon disulfide	0.00101	J	0.000243	0.00110	1	04/07/2018 06:48	WG1094858
Carbon tetrachloride	U		0.000361	0.00110	1	04/07/2018 06:48	WG1094858
Chlorobenzene	U		0.000233	0.00110	1	04/07/2018 06:48	WG1094858
Chlorodibromomethane	U		0.000411	0.00110	1	04/07/2018 06:48	WG1094858
Chloroethane	U		0.00104	0.00550	1	04/07/2018 06:48	WG1094858
Chloroform	U		0.000252	0.00550	1	04/07/2018 06:48	WG1094858
Chloromethane	0.00406		0.000413	0.00275	1	04/07/2018 06:48	WG1094858
2-Chlorotoluene	U		0.000331	0.00110	1	04/07/2018 06:48	WG1094858
4-Chlorotoluene	U		0.000264	0.00110	1	04/07/2018 06:48	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00116	0.00550	1	04/07/2018 06:48	WG1094858
1,2-Dibromoethane	U		0.000378	0.00110	1	04/07/2018 06:48	WG1094858
Dibromomethane	U		0.000421	0.00110	1	04/07/2018 06:48	WG1094858
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/07/2018 06:48	WG1094858
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/07/2018 06:48	WG1094858
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/07/2018 06:48	WG1094858
Dichlorodifluoromethane	U		0.000785	0.00550	1	04/07/2018 06:48	WG1094858
1,1-Dichloroethane	U		0.000219	0.00110	1	04/07/2018 06:48	WG1094858
1,2-Dichloroethane	U		0.000292	0.00110	1	04/07/2018 06:48	WG1094858
1,1-Dichloroethene	0.00141		0.000334	0.00110	1	04/07/2018 06:48	WG1094858
cis-1,2-Dichloroethene	1.37		0.00647	0.0275	25	04/11/2018 18:54	WG1094858
trans-1,2-Dichloroethene	0.0398		0.000291	0.00110	1	04/07/2018 06:48	WG1094858
1,2-Dichloropropane	U		0.000394	0.00110	1	04/07/2018 06:48	WG1094858
1,1-Dichloropropene	U		0.000349	0.00110	1	04/07/2018 06:48	WG1094858
1,3-Dichloropropane	U		0.000228	0.00110	1	04/07/2018 06:48	WG1094858
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/07/2018 06:48	WG1094858
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/07/2018 06:48	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000856	0.00275	1	04/07/2018 06:48	WG1094858
2,2-Dichloropropane	U		0.000307	0.00110	1	04/07/2018 06:48	WG1094858
Di-isopropyl ether	U		0.000273	0.00110	1	04/07/2018 06:48	WG1094858
Ethylbenzene	U		0.000327	0.00110	1	04/07/2018 06:48	WG1094858
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/07/2018 06:48	WG1094858
2-Hexanone	U	J0	0.00151	0.0110	1	04/07/2018 06:48	WG1094858
n-Hexane	U		0.000319	0.0110	1	04/07/2018 06:48	WG1094858
Iodomethane	U		0.00279	0.0110	1	04/07/2018 06:48	WG1094858
Isopropylbenzene	U		0.000268	0.00110	1	04/07/2018 06:48	WG1094858
p-Isopropyltoluene	U		0.000225	0.00110	1	04/07/2018 06:48	WG1094858
2-Butanone (MEK)	U	J0	0.00515	0.0110	1	04/07/2018 06:48	WG1094858
Methylene Chloride	U		0.00110	0.00550	1	04/07/2018 06:48	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/07/2018 06:48	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/07/2018 06:48	WG1094858
Naphthalene	U		0.00110	0.00550	1	04/07/2018 06:48	WG1094858
n-Propylbenzene	U		0.000227	0.00110	1	04/07/2018 06:48	WG1094858
Styrene	U	J0	0.000258	0.00110	1	04/07/2018 06:48	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/07/2018 06:48	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/07/2018 06:48	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/07/2018 06:48	WG1094858
Tetrachloroethene	0.0263		0.000304	0.00110	1	04/07/2018 06:48	WG1094858
Toluene	U		0.000478	0.00550	1	04/07/2018 06:48	WG1094858
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/07/2018 06:48	WG1094858
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/07/2018 06:48	WG1094858
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/07/2018 06:48	WG1094858
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/07/2018 06:48	WG1094858
Trichloroethene	0.00580		0.000307	0.00110	1	04/07/2018 06:48	WG1094858
Trichlorofluoromethane	U		0.000421	0.00550	1	04/07/2018 06:48	WG1094858
1,2,3-Trichloropropane	U		0.000816	0.00275	1	04/07/2018 06:48	WG1094858
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/07/2018 06:48	WG1094858
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/07/2018 06:48	WG1094858
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/07/2018 06:48	WG1094858
Vinyl acetate	U	J0	0.00263	0.0110	1	04/07/2018 06:48	WG1094858
Vinyl chloride	1.14		0.00801	0.0275	25	04/11/2018 18:54	WG1094858
Xylenes, Total	U		0.000768	0.00330	1	04/07/2018 06:48	WG1094858
(S) Toluene-d8	*103*			*80.0-120*		*04/11/2018 18:54*	WG1094858
(S) Toluene-d8	*95.1*			*80.0-120*		*04/07/2018 06:48*	WG1094858
(S) Dibromofluoromethane	*92.9*			*74.0-131*		*04/11/2018 18:54*	WG1094858
(S) Dibromofluoromethane	*132*	J1		*74.0-131*		*04/07/2018 06:48*	WG1094858
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*04/11/2018 18:54*	WG1094858
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*04/07/2018 06:48*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0143	J J0	0.0116	0.0579	1	04/07/2018 07:09	WG1094858
Acrylonitrile	U		0.00207	0.0116	1	04/07/2018 07:09	WG1094858
Benzene	U		0.000313	0.00116	1	04/07/2018 07:09	WG1094858
Bromobenzene	U	J0 J4	0.000329	0.00116	1	04/07/2018 07:09	WG1094858
Bromodichloromethane	U		0.000294	0.00116	1	04/07/2018 07:09	WG1094858
Bromochloromethane	U		0.000451	0.00579	1	04/07/2018 07:09	WG1094858
Bromoform	U	J0	0.000491	0.00116	1	04/07/2018 07:09	WG1094858
Bromomethane	U		0.00155	0.00579	1	04/07/2018 07:09	WG1094858
n-Butylbenzene	U		0.000299	0.00116	1	04/07/2018 07:09	WG1094858
sec-Butylbenzene	U		0.000233	0.00116	1	04/07/2018 07:09	WG1094858
tert-Butylbenzene	U		0.000238	0.00116	1	04/07/2018 07:09	WG1094858
Carbon disulfide	0.000607	J	0.000256	0.00116	1	04/07/2018 07:09	WG1094858
Carbon tetrachloride	U		0.000380	0.00116	1	04/07/2018 07:09	WG1094858
Chlorobenzene	U		0.000245	0.00116	1	04/07/2018 07:09	WG1094858
Chlorodibromomethane	U		0.000432	0.00116	1	04/07/2018 07:09	WG1094858
Chloroethane	U		0.00110	0.00579	1	04/07/2018 07:09	WG1094858
Chloroform	U		0.000265	0.00579	1	04/07/2018 07:09	WG1094858
Chloromethane	U		0.000434	0.00289	1	04/07/2018 07:09	WG1094858
2-Chlorotoluene	U		0.000348	0.00116	1	04/07/2018 07:09	WG1094858
4-Chlorotoluene	U		0.000278	0.00116	1	04/07/2018 07:09	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00122	0.00579	1	04/07/2018 07:09	WG1094858
1,2-Dibromoethane	U		0.000397	0.00116	1	04/07/2018 07:09	WG1094858
Dibromomethane	U		0.000442	0.00116	1	04/07/2018 07:09	WG1094858
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/07/2018 07:09	WG1094858
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/07/2018 07:09	WG1094858
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/07/2018 07:09	WG1094858
Dichlorodifluoromethane	U		0.000825	0.00579	1	04/07/2018 07:09	WG1094858
1,1-Dichloroethane	U		0.000230	0.00116	1	04/07/2018 07:09	WG1094858
1,2-Dichloroethane	U		0.000307	0.00116	1	04/07/2018 07:09	WG1094858
1,1-Dichloroethene	U		0.000351	0.00116	1	04/07/2018 07:09	WG1094858
cis-1,2-Dichloroethene	0.00791		0.000272	0.00116	1	04/11/2018 18:00	WG1094858
trans-1,2-Dichloroethene	0.00103	J	0.000306	0.00116	1	04/07/2018 07:09	WG1094858
1,2-Dichloropropane	U		0.000414	0.00116	1	04/07/2018 07:09	WG1094858
1,1-Dichloropropene	U		0.000367	0.00116	1	04/07/2018 07:09	WG1094858
1,3-Dichloropropane	U		0.000240	0.00116	1	04/07/2018 07:09	WG1094858
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/07/2018 07:09	WG1094858
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/07/2018 07:09	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000901	0.00289	1	04/07/2018 07:09	WG1094858
2,2-Dichloropropane	U		0.000323	0.00116	1	04/07/2018 07:09	WG1094858
Di-isopropyl ether	U		0.000287	0.00116	1	04/07/2018 07:09	WG1094858
Ethylbenzene	U		0.000344	0.00116	1	04/07/2018 07:09	WG1094858
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/07/2018 07:09	WG1094858
2-Hexanone	U	J0	0.00159	0.0116	1	04/07/2018 07:09	WG1094858
n-Hexane	U		0.000336	0.0116	1	04/07/2018 07:09	WG1094858
Iodomethane	U		0.00293	0.0116	1	04/07/2018 07:09	WG1094858
Isopropylbenzene	U		0.000281	0.00116	1	04/07/2018 07:09	WG1094858
p-Isopropyltoluene	U		0.000236	0.00116	1	04/07/2018 07:09	WG1094858
2-Butanone (MEK)	0.00637	J J0	0.00542	0.0116	1	04/07/2018 07:09	WG1094858
Methylene Chloride	U		0.00116	0.00579	1	04/07/2018 07:09	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/07/2018 07:09	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/07/2018 07:09	WG1094858
Naphthalene	U		0.00116	0.00579	1	04/07/2018 07:09	WG1094858
n-Propylbenzene	U		0.000238	0.00116	1	04/07/2018 07:09	WG1094858
Styrene	U	J0	0.000271	0.00116	1	04/07/2018 07:09	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/07/2018 07:09	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/07/2018 07:09	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/07/2018 07:09	WG1094858
Tetrachloroethene	0.00290		0.000319	0.00116	1	04/07/2018 07:09	WG1094858
Toluene	U		0.000502	0.00579	1	04/07/2018 07:09	WG1094858
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/07/2018 07:09	WG1094858
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/07/2018 07:09	WG1094858
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/07/2018 07:09	WG1094858
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/07/2018 07:09	WG1094858
Trichloroethene	0.000891	J	0.000323	0.00116	1	04/07/2018 07:09	WG1094858
Trichlorofluoromethane	U		0.000442	0.00579	1	04/07/2018 07:09	WG1094858
1,2,3-Trichloropropane	U		0.000858	0.00289	1	04/07/2018 07:09	WG1094858
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/07/2018 07:09	WG1094858
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/07/2018 07:09	WG1094858
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/07/2018 07:09	WG1094858
Vinyl acetate	U	J0	0.00277	0.0116	1	04/07/2018 07:09	WG1094858
Vinyl chloride	0.0114		0.000337	0.00116	1	04/11/2018 18:00	WG1094858
Xylenes, Total	U		0.000808	0.00347	1	04/07/2018 07:09	WG1094858
(S) Toluene-d8	*99.5*			*80.0-120*		*04/11/2018 18:00*	WG1094858
(S) Toluene-d8	*95.3*			*80.0-120*		*04/07/2018 07:09*	WG1094858
(S) Dibromofluoromethane	*139*	J1		*74.0-131*		*04/07/2018 07:09*	WG1094858
(S) Dibromofluoromethane	*114*			*74.0-131*		*04/11/2018 18:00*	WG1094858
(S) 4-Bromofluorobenzene	*94.2*			*64.0-132*		*04/07/2018 07:09*	WG1094858
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/11/2018 18:00*	WG1094858

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0117	0.0583	1	04/07/2018 07:31	WG1094858
Acrylonitrile	U		0.00209	0.0117	1	04/07/2018 07:31	WG1094858
Benzene	U		0.000315	0.00117	1	04/07/2018 07:31	WG1094858
Bromobenzene	U	J0 J4	0.000331	0.00117	1	04/07/2018 07:31	WG1094858
Bromodichloromethane	U		0.000296	0.00117	1	04/07/2018 07:31	WG1094858
Bromochloromethane	U		0.000455	0.00583	1	04/07/2018 07:31	WG1094858
Bromoform	U	J0	0.000494	0.00117	1	04/07/2018 07:31	WG1094858
Bromomethane	U		0.00156	0.00583	1	04/07/2018 07:31	WG1094858
n-Butylbenzene	U		0.000301	0.00117	1	04/07/2018 07:31	WG1094858
sec-Butylbenzene	U		0.000234	0.00117	1	04/07/2018 07:31	WG1094858
tert-Butylbenzene	U		0.000240	0.00117	1	04/07/2018 07:31	WG1094858
Carbon disulfide	0.000320	J	0.000258	0.00117	1	04/07/2018 07:31	WG1094858
Carbon tetrachloride	U		0.000382	0.00117	1	04/07/2018 07:31	WG1094858
Chlorobenzene	U		0.000247	0.00117	1	04/07/2018 07:31	WG1094858
Chlorodibromomethane	U		0.000435	0.00117	1	04/07/2018 07:31	WG1094858
Chloroethane	U		0.00110	0.00583	1	04/07/2018 07:31	WG1094858
Chloroform	U		0.000267	0.00583	1	04/07/2018 07:31	WG1094858
Chloromethane	0.000514	J	0.000437	0.00292	1	04/07/2018 07:31	WG1094858
2-Chlorotoluene	U		0.000351	0.00117	1	04/07/2018 07:31	WG1094858
4-Chlorotoluene	U		0.000280	0.00117	1	04/07/2018 07:31	WG1094858
1,2-Dibromo-3-Chloropropane	U	J0	0.00122	0.00583	1	04/07/2018 07:31	WG1094858
1,2-Dibromoethane	U		0.000400	0.00117	1	04/07/2018 07:31	WG1094858
Dibromomethane	U		0.000445	0.00117	1	04/07/2018 07:31	WG1094858
1,2-Dichlorobenzene	U		0.000356	0.00117	1	04/07/2018 07:31	WG1094858
1,3-Dichlorobenzene	U		0.000279	0.00117	1	04/07/2018 07:31	WG1094858
1,4-Dichlorobenzene	U		0.000264	0.00117	1	04/07/2018 07:31	WG1094858
Dichlorodifluoromethane	U		0.000831	0.00583	1	04/07/2018 07:31	WG1094858
1,1-Dichloroethane	U		0.000232	0.00117	1	04/07/2018 07:31	WG1094858
1,2-Dichloroethane	U		0.000309	0.00117	1	04/07/2018 07:31	WG1094858
1,1-Dichloroethene	0.00240		0.000353	0.00117	1	04/07/2018 07:31	WG1094858
cis-1,2-Dichloroethene	0.358		0.00686	0.0292	25	04/11/2018 19:15	WG1094858
trans-1,2-Dichloroethene	0.000813	J	0.000308	0.00117	1	04/07/2018 07:31	WG1094858
1,2-Dichloropropane	U		0.000417	0.00117	1	04/07/2018 07:31	WG1094858
1,1-Dichloropropene	U		0.000370	0.00117	1	04/07/2018 07:31	WG1094858
1,3-Dichloropropane	U		0.000241	0.00117	1	04/07/2018 07:31	WG1094858
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	04/07/2018 07:31	WG1094858
trans-1,3-Dichloropropene	U		0.000311	0.00117	1	04/07/2018 07:31	WG1094858
trans-1,4-Dichloro-2-butene	U	J0	0.000907	0.00292	1	04/07/2018 07:31	WG1094858
2,2-Dichloropropane	U		0.000325	0.00117	1	04/07/2018 07:31	WG1094858
Di-isopropyl ether	U		0.000289	0.00117	1	04/07/2018 07:31	WG1094858
Ethylbenzene	U		0.000346	0.00117	1	04/07/2018 07:31	WG1094858
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	04/07/2018 07:31	WG1094858
2-Hexanone	U	J0	0.00160	0.0117	1	04/07/2018 07:31	WG1094858
n-Hexane	U		0.000338	0.0117	1	04/07/2018 07:31	WG1094858
Iodomethane	U		0.00295	0.0117	1	04/07/2018 07:31	WG1094858
Isopropylbenzene	U		0.000283	0.00117	1	04/07/2018 07:31	WG1094858
p-Isopropyltoluene	U		0.000238	0.00117	1	04/07/2018 07:31	WG1094858
2-Butanone (MEK)	U	J0	0.00546	0.0117	1	04/07/2018 07:31	WG1094858
Methylene Chloride	U		0.00117	0.00583	1	04/07/2018 07:31	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0117	1	04/07/2018 07:31	WG1094858

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00117	1	04/07/2018 07:31	WG1094858
Naphthalene	U		0.00117	0.00583	1	04/07/2018 07:31	WG1094858
n-Propylbenzene	U		0.000240	0.00117	1	04/07/2018 07:31	WG1094858
Styrene	U	J0	0.000273	0.00117	1	04/07/2018 07:31	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	04/07/2018 07:31	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	04/07/2018 07:31	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	04/07/2018 07:31	WG1094858
Tetrachloroethene	0.147		0.000322	0.00117	1	04/07/2018 07:31	WG1094858
Toluene	U		0.000506	0.00583	1	04/07/2018 07:31	WG1094858
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	04/07/2018 07:31	WG1094858
1,2,4-Trichlorobenzene	U		0.000452	0.00117	1	04/07/2018 07:31	WG1094858
1,1,1-Trichloroethane	U		0.000333	0.00117	1	04/07/2018 07:31	WG1094858
1,1,2-Trichloroethane	U		0.000323	0.00117	1	04/07/2018 07:31	WG1094858
Trichloroethene	0.0513		0.000325	0.00117	1	04/07/2018 07:31	WG1094858
Trichlorofluoromethane	U		0.000445	0.00583	1	04/07/2018 07:31	WG1094858
1,2,3-Trichloropropane	U		0.000864	0.00292	1	04/07/2018 07:31	WG1094858
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	04/07/2018 07:31	WG1094858
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	04/07/2018 07:31	WG1094858
1,3,5-Trimethylbenzene	U		0.000310	0.00117	1	04/07/2018 07:31	WG1094858
Vinyl acetate	U	J0	0.00279	0.0117	1	04/07/2018 07:31	WG1094858
Vinyl chloride	0.0301		0.000339	0.00117	1	04/07/2018 07:31	WG1094858
Xylenes, Total	U		0.000814	0.00350	1	04/07/2018 07:31	WG1094858
(S) Toluene-d8	*106*			*80.0-120*		*04/11/2018 19:15*	WG1094858
(S) Toluene-d8	*95.8*			*80.0-120*		*04/07/2018 07:31*	WG1094858
(S) Dibromofluoromethane	*90.3*			*74.0-131*		*04/11/2018 19:15*	WG1094858
(S) Dibromofluoromethane	*133*	J1		*74.0-131*		*04/07/2018 07:31*	WG1094858
(S) 4-Bromofluorobenzene	*95.0*			*64.0-132*		*04/07/2018 07:31*	WG1094858
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*04/11/2018 19:15*	WG1094858

Method Blank (MB)

(MB) R3300421-1 04/09/18 16:13

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

L983460-02 Original Sample (OS) • Duplicate (DUP)

(OS) L983460-02 04/09/18 16:13 • (DUP) R3300421-3 04/09/18 16:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	91.4	87.7	1	4.05		5

Laboratory Control Sample (LCS)

(LCS) R3300421-2 04/09/18 16:13

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

Method Blank (MB)

(MB) R3300413-1 04/09/18 15:57

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

L983460-21 Original Sample (OS) • Duplicate (DUP)

(OS) L983460-21 04/09/18 15:57 • (DUP) R3300413-3 04/09/18 15:57

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.6	86.8	1	0.152		5

Laboratory Control Sample (LCS)

(LCS) R3300413-2 04/09/18 15:57

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

Method Blank (MB)

(MB) R3300407-1 04/09/18 15:28

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

L983479-03 Original Sample (OS) • Duplicate (DUP)

(OS) L983479-03 04/09/18 15:28 • (DUP) R3300407-3 04/09/18 15:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	70.6	70.4	1	0.226		5

Laboratory Control Sample (LCS)

(LCS) R3300407-2 04/09/18 15:28

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

Method Blank (MB)

(MB) R3300657-2 04/06/18 11:48

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

Method Blank (MB)

(MB) R3300657-2 04/06/18 11:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iodomethane	U		0.377	10.0
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
2-Hexanone	U		0.757	5.00
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
Vinyl acetate	U		0.645	5.00
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*92.9*			*76.0-123*
(S) 4-Bromofluorobenzene	*99.5*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3300657-1 04/06/18 10:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	26.1	105	76.0-122	
trans-1,4-Dichloro-2-butene	25.0	27.8	111	55.0-134	
Acetone	125	129	103	10.0-160	
n-Hexane	25.0	25.3	101	56.0-124	
Iodomethane	125	125	100	57.0-140	
Acrylonitrile	125	109	87.2	60.0-142	
Benzene	25.0	23.9	95.6	69.0-123	
Bromobenzene	25.0	25.6	102	79.0-120	
Carbon disulfide	25.0	24.7	98.7	55.0-127	
Bromodichloromethane	25.0	26.2	105	76.0-120	
Bromoform	25.0	29.6	118	67.0-132	
Bromomethane	25.0	23.9	95.6	18.0-160	
n-Butylbenzene	25.0	27.4	110	72.0-126	
sec-Butylbenzene	25.0	26.2	105	74.0-121	
tert-Butylbenzene	25.0	26.6	106	75.0-122	
Carbon tetrachloride	25.0	25.8	103	63.0-122	
Chlorobenzene	25.0	27.0	108	79.0-121	
Chlorodibromomethane	25.0	29.3	117	75.0-125	
Chloroethane	25.0	23.2	92.7	47.0-152	
Chloroform	25.0	25.2	101	72.0-121	
Chloromethane	25.0	24.5	98.1	48.0-139	
2-Chlorotoluene	25.0	25.5	102	74.0-122	
4-Chlorotoluene	25.0	26.3	105	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	24.6	98.5	64.0-127	
1,2-Dibromoethane	25.0	28.7	115	77.0-123	
Dibromomethane	25.0	26.2	105	78.0-120	
1,2-Dichlorobenzene	25.0	25.5	102	80.0-120	
Vinyl acetate	125	139	111	46.0-160	
1,3-Dichlorobenzene	25.0	26.6	106	72.0-123	
1,4-Dichlorobenzene	25.0	25.6	103	77.0-120	
Dichlorodifluoromethane	25.0	30.4	121	49.0-155	
1,1-Dichloroethane	25.0	25.0	100	70.0-126	
1,2-Dichloroethane	25.0	26.3	105	67.0-126	
1,1-Dichloroethene	25.0	25.5	102	64.0-129	
cis-1,2-Dichloroethene	25.0	25.5	102	73.0-120	
trans-1,2-Dichloroethene	25.0	26.1	104	71.0-121	
1,2-Dichloropropane	25.0	24.6	98.4	75.0-125	
1,1-Dichloropropene	25.0	25.7	103	71.0-129	
1,3-Dichloropropane	25.0	26.6	107	80.0-121	
cis-1,3-Dichloropropene	25.0	28.0	112	79.0-123	

Laboratory Control Sample (LCS)

(LCS) R3300657-1 04/06/18 10:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Hexanone	125	144	116	58.0-147	
trans-1,3-Dichloropropene	25.0	28.3	113	74.0-127	
2,2-Dichloropropane	25.0	27.2	109	60.0-125	
Di-isopropyl ether	25.0	23.1	92.6	59.0-133	
Ethylbenzene	25.0	28.2	113	77.0-120	
Hexachloro-1,3-butadiene	25.0	26.8	107	64.0-131	
Isopropylbenzene	25.0	26.5	106	75.0-120	
p-Isopropyltoluene	25.0	27.5	110	74.0-126	
2-Butanone (MEK)	125	141	113	37.0-158	
Methylene Chloride	25.0	23.5	94.0	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	122	97.8	59.0-143	
Methyl tert-butyl ether	25.0	24.8	99.0	64.0-123	
Naphthalene	25.0	25.3	101	62.0-128	
n-Propylbenzene	25.0	26.2	105	79.0-120	
Styrene	25.0	27.9	112	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	26.7	107	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	25.9	104	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	25.7	103	61.0-136	
Tetrachloroethene	25.0	29.2	117	70.0-127	
Toluene	25.0	27.0	108	77.0-120	
1,2,3-Trichlorobenzene	25.0	26.0	104	61.0-133	
1,2,4-Trichlorobenzene	25.0	26.5	106	69.0-129	
1,1,1-Trichloroethane	25.0	26.0	104	68.0-122	
1,1,2-Trichloroethane	25.0	27.8	111	78.0-120	
Trichloroethene	25.0	26.4	106	78.0-120	
Trichlorofluoromethane	25.0	26.0	104	56.0-137	
1,2,3-Trichloropropane	25.0	25.2	101	72.0-124	
1,2,4-Trimethylbenzene	25.0	26.2	105	75.0-120	
1,2,3-Trimethylbenzene	25.0	25.3	101	75.0-120	
1,3,5-Trimethylbenzene	25.0	26.0	104	75.0-120	
Vinyl chloride	25.0	25.3	101	64.0-133	
Xylenes, Total	75.0	82.3	110	77.0-120	
(S) Toluene-d8			*100*	*80.0-120*	
(S) Dibromofluoromethane			*93.8*	*76.0-123*	
(S) 4-Bromofluorobenzene			*99.2*	*80.0-120*	

Method Blank (MB)

(MB) R3300218-3 04/06/18 17:37

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

Method Blank (MB)

(MB) R3300218-3 04/06/18 17:37

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*96.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*97.5*			*64.0-132*

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

(LCS) R3300218-1 04/06/18 16:32 • (LCSD) R3300218-2 04/06/18 16:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.104	0.131	83.0	104	11.0-160			22.9	23
Acrylonitrile	0.125	0.133	0.156	106	125	61.0-143			16.3	20
Benzene	0.0250	0.0258	0.0264	103	106	71.0-124			2.60	20
Bromobenzene	0.0250	0.0262	0.0267	105	107	78.0-120			2.02	20
Bromodichloromethane	0.0250	0.0273	0.0280	109	112	75.0-120			2.49	20
Bromochloromethane	0.0250	0.0273	0.0282	109	113	80.0-121			3.12	20
Bromoform	0.0250	0.0260	0.0295	104	118	65.0-133			12.9	20
Bromomethane	0.0250	0.0246	0.0251	98.4	100	26.0-160			2.00	20
n-Butylbenzene	0.0250	0.0280	0.0280	112	112	73.0-126			0.0557	20
sec-Butylbenzene	0.0250	0.0276	0.0274	110	110	75.0-121			0.520	20
tert-Butylbenzene	0.0250	0.0278	0.0282	111	113	74.0-122			1.24	20
Carbon disulfide	0.0250	0.0252	0.0266	101	106	53.0-130			5.50	20
Carbon tetrachloride	0.0250	0.0255	0.0261	102	105	66.0-123			2.36	20
Chlorobenzene	0.0250	0.0290	0.0292	116	117	79.0-121			0.778	20
Chlorodibromomethane	0.0250	0.0281	0.0297	113	119	74.0-128			5.28	20
Chloroethane	0.0250	0.0238	0.0247	95.2	98.8	51.0-147			3.75	20
Chloroform	0.0250	0.0273	0.0272	109	109	73.0-123			0.459	20
Chloromethane	0.0250	0.0243	0.0248	97.0	99.0	51.0-138			2.03	20
2-Chlorotoluene	0.0250	0.0272	0.0279	109	111	72.0-124			2.39	20
4-Chlorotoluene	0.0250	0.0267	0.0268	107	107	78.0-120			0.683	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0250	0.0294	100	118	65.0-126			16.1	20
1,2-Dibromoethane	0.0250	0.0270	0.0304	108	122	78.0-122			12.0	20
Dibromomethane	0.0250	0.0261	0.0283	104	113	79.0-120			8.35	20
1,2-Dichlorobenzene	0.0250	0.0282	0.0293	113	117	80.0-120			3.77	20
1,3-Dichlorobenzene	0.0250	0.0280	0.0286	112	114	72.0-123			1.98	20
1,4-Dichlorobenzene	0.0250	0.0267	0.0276	107	110	77.0-120			3.16	20
trans-1,4-Dichloro-2-butene	0.0250	0.0259	0.0311	104	124	68.0-126			18.1	20
Dichlorodifluoromethane	0.0250	0.0240	0.0248	96.1	99.2	49.0-155			3.22	20
1,1-Dichloroethane	0.0250	0.0278	0.0284	111	114	70.0-128			2.17	20
1,2-Dichloroethane	0.0250	0.0261	0.0280	105	112	69.0-128			6.93	20
1,1-Dichloroethene	0.0250	0.0271	0.0276	108	110	63.0-131			1.97	20
cis-1,2-Dichloroethene	0.0250	0.0271	0.0275	108	110	74.0-123			1.56	20
trans-1,2-Dichloroethene	0.0250	0.0269	0.0282	108	113	72.0-122			4.55	20
1,2-Dichloropropane	0.0250	0.0287	0.0292	115	117	75.0-126			1.69	20
1,1-Dichloropropene	0.0250	0.0259	0.0274	104	110	72.0-130			5.58	20
1,3-Dichloropropane	0.0250	0.0271	0.0292	108	117	80.0-121			7.60	20
cis-1,3-Dichloropropene	0.0250	0.0278	0.0291	111	117	80.0-125			4.91	20
trans-1,3-Dichloropropene	0.0250	0.0280	0.0299	112	120	75.0-129			6.62	20
2,2-Dichloropropane	0.0250	0.0271	0.0275	108	110	60.0-129			1.53	20
Di-isopropyl ether	0.0250	0.0283	0.0289	113	116	62.0-133			2.07	20

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

(LCS) R3300218-1 04/06/18 16:32 • (LCSD) R3300218-2 04/06/18 16:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0288	0.0291	115	116	77.0-120			0.936	20
Hexachloro-1,3-butadiene	0.0250	0.0310	0.0301	124	120	68.0-128			3.26	20
2-Hexanone	0.125	0.135	0.166	108	133	61.0-143		J3	20.7	20
n-Hexane	0.0250	0.0252	0.0261	101	104	57.0-125			3.50	20
Iodomethane	0.125	0.140	0.143	112	114	67.0-132			2.31	20
Isopropylbenzene	0.0250	0.0272	0.0277	109	111	75.0-120			1.59	20
p-Isopropyltoluene	0.0250	0.0291	0.0288	116	115	74.0-125			0.787	20
2-Butanone (MEK)	0.125	0.115	0.151	92.4	121	37.0-159		J3	26.7	20
Methylene Chloride	0.0250	0.0263	0.0274	105	110	67.0-123			3.95	20
4-Methyl-2-pentanone (MIBK)	0.125	0.137	0.169	110	135	60.0-144		J3	20.9	20
Methyl tert-butyl ether	0.0250	0.0269	0.0295	108	118	66.0-125			9.36	20
Naphthalene	0.0250	0.0259	0.0295	103	118	64.0-125			13.0	20
n-Propylbenzene	0.0250	0.0270	0.0275	108	110	78.0-120			1.93	20
Styrene	0.0250	0.0275	0.0283	110	113	78.0-124			2.97	20
1,1,1,2-Tetrachloroethane	0.0250	0.0307	0.0304	123	122	74.0-124			0.674	20
1,1,2,2-Tetrachloroethane	0.0250	0.0248	0.0287	99.4	115	73.0-120			14.5	20
Tetrachloroethene	0.0250	0.0288	0.0291	115	116	70.0-127			1.03	20
Toluene	0.0250	0.0272	0.0273	109	109	77.0-120			0.538	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0274	0.0290	109	116	64.0-135			5.71	20
1,2,3-Trichlorobenzene	0.0250	0.0284	0.0297	114	119	68.0-126			4.41	20
1,2,4-Trichlorobenzene	0.0250	0.0282	0.0285	113	114	70.0-127			1.09	20
1,1,1-Trichloroethane	0.0250	0.0267	0.0276	107	110	69.0-125			3.00	20
1,1,2-Trichloroethane	0.0250	0.0270	0.0291	108	116	78.0-120			7.20	20
Trichloroethene	0.0250	0.0288	0.0296	115	119	79.0-120			2.91	20
Trichlorofluoromethane	0.0250	0.0251	0.0262	101	105	59.0-136			3.95	20
1,2,3-Trichloropropane	0.0250	0.0246	0.0285	98.5	114	73.0-124			14.6	20
1,2,3-Trimethylbenzene	0.0250	0.0274	0.0275	109	110	76.0-120			0.612	20
1,2,4-Trimethylbenzene	0.0250	0.0275	0.0279	110	111	75.0-120			1.30	20
1,3,5-Trimethylbenzene	0.0250	0.0279	0.0281	112	112	75.0-120			0.659	20
Vinyl acetate	0.125	0.122	0.137	97.7	110	58.0-156			11.8	20
Vinyl chloride	0.0250	0.0263	0.0270	105	108	63.0-134			2.74	20
Xylenes, Total	0.0750	0.0896	0.0893	119	119	77.0-120	J4		0.335	20
(S) Toluene-d8				*109*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*93.0*	*94.7*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.3*	*91.2*	*64.0-132*				

Method Blank (MB)

(MB) R3300924-3 04/07/18 00:13

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

Method Blank (MB)

(MB) R3300924-3 04/07/18 00:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*113*			*74.0-131*
(S) 4-Bromofluorobenzene	*87.2*			*64.0-132*

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

(LCS) R3300924-1 04/06/18 23:09 • (LCSD) R3300924-2 04/06/18 23:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0567	0.0542	45.4	43.4	11.0-160			4.43	23
Acrylonitrile	0.125	0.112	0.109	89.8	87.4	61.0-143			2.76	20
Benzene	0.0250	0.0238	0.0242	95.3	96.9	71.0-124			1.70	20
Bromobenzene	0.0250	0.0195	0.0204	77.9	81.7	78.0-120	J4		4.75	20
Bromodichloromethane	0.0250	0.0228	0.0231	91.3	92.6	75.0-120			1.35	20
Bromochloromethane	0.0250	0.0260	0.0258	104	103	80.0-121			1.11	20
Bromoform	0.0250	0.0195	0.0204	78.1	81.4	65.0-133			4.24	20
Bromomethane	0.0250	0.0289	0.0278	116	111	26.0-160			4.19	20
n-Butylbenzene	0.0250	0.0218	0.0220	87.0	88.1	73.0-126			1.18	20
sec-Butylbenzene	0.0250	0.0222	0.0221	89.0	88.4	75.0-121			0.680	20
tert-Butylbenzene	0.0250	0.0222	0.0223	88.8	89.2	74.0-122			0.410	20
Carbon disulfide	0.0250	0.0205	0.0200	82.1	80.2	53.0-130			2.41	20
Carbon tetrachloride	0.0250	0.0246	0.0244	98.5	97.7	66.0-123			0.808	20
Chlorobenzene	0.0250	0.0239	0.0255	95.8	102	79.0-121			6.46	20
Chlorodibromomethane	0.0250	0.0227	0.0243	90.7	97.4	74.0-128			7.12	20
Chloroethane	0.0250	0.0246	0.0240	98.5	96.0	51.0-147			2.66	20
Chloroform	0.0250	0.0256	0.0252	102	101	73.0-123			1.71	20
Chloromethane	0.0250	0.0213	0.0210	85.1	83.9	51.0-138			1.48	20
2-Chlorotoluene	0.0250	0.0214	0.0216	85.4	86.3	72.0-124			1.00	20
4-Chlorotoluene	0.0250	0.0206	0.0217	82.3	86.6	78.0-120			5.14	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0189	0.0182	75.4	72.8	65.0-126			3.53	20
1,2-Dibromoethane	0.0250	0.0224	0.0250	89.7	100	78.0-122			11.0	20
Dibromomethane	0.0250	0.0238	0.0237	95.2	94.7	79.0-120			0.599	20
1,2-Dichlorobenzene	0.0250	0.0247	0.0246	98.8	98.3	80.0-120			0.569	20
1,3-Dichlorobenzene	0.0250	0.0233	0.0238	93.0	95.3	72.0-123			2.48	20
1,4-Dichlorobenzene	0.0250	0.0232	0.0239	92.8	95.7	77.0-120			3.09	20
trans-1,4-Dichloro-2-butene	0.0250	0.0172	0.0188	68.7	75.0	68.0-126			8.83	20
Dichlorodifluoromethane	0.0250	0.0239	0.0232	95.5	92.9	49.0-155			2.72	20
1,1-Dichloroethane	0.0250	0.0249	0.0241	99.4	96.6	70.0-128			2.90	20
1,2-Dichloroethane	0.0250	0.0230	0.0242	92.2	97.0	69.0-128			5.10	20
1,1-Dichloroethene	0.0250	0.0248	0.0239	99.2	95.5	63.0-131			3.80	20
cis-1,2-Dichloroethene	0.0250	0.0258	0.0250	103	100	74.0-123			2.96	20
trans-1,2-Dichloroethene	0.0250	0.0254	0.0240	102	95.9	72.0-122			5.83	20
1,2-Dichloropropane	0.0250	0.0228	0.0239	91.2	95.8	75.0-126			4.89	20
1,1-Dichloropropene	0.0250	0.0243	0.0247	97.2	98.7	72.0-130			1.50	20
1,3-Dichloropropane	0.0250	0.0225	0.0252	89.9	101	80.0-121			11.2	20
cis-1,3-Dichloropropene	0.0250	0.0224	0.0246	89.7	98.5	80.0-125			9.35	20
trans-1,3-Dichloropropene	0.0250	0.0211	0.0246	84.4	98.2	75.0-129			15.2	20
2,2-Dichloropropane	0.0250	0.0247	0.0237	98.9	94.7	60.0-129			4.36	20
Di-isopropyl ether	0.0250	0.0214	0.0210	85.5	84.0	62.0-133			1.70	20

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

(LCS) R3300924-1 04/06/18 23:09 • (LCSD) R3300924-2 04/06/18 23:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0230	0.0245	92.1	98.0	77.0-120			6.22	20
Hexachloro-1,3-butadiene	0.0250	0.0231	0.0233	92.6	93.3	68.0-128			0.773	20
2-Hexanone	0.125	0.0889	0.0957	71.2	76.5	61.0-143			7.28	20
n-Hexane	0.0250	0.0200	0.0208	80.1	83.3	57.0-125			3.90	20
Iodomethane	0.125	0.135	0.129	108	103	67.0-132			4.71	20
Isopropylbenzene	0.0250	0.0211	0.0214	84.3	85.8	75.0-120			1.72	20
p-Isopropyltoluene	0.0250	0.0228	0.0230	91.3	91.8	74.0-125			0.576	20
2-Butanone (MEK)	0.125	0.0798	0.0829	63.8	66.3	37.0-159			3.83	20
Methylene Chloride	0.0250	0.0244	0.0234	97.6	93.6	67.0-123			4.20	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0998	0.100	79.8	80.0	60.0-144			0.273	20
Methyl tert-butyl ether	0.0250	0.0240	0.0226	96.2	90.3	66.0-125			6.37	20
Naphthalene	0.0250	0.0224	0.0215	89.7	86.0	64.0-125			4.18	20
n-Propylbenzene	0.0250	0.0207	0.0212	83.0	84.9	78.0-120			2.34	20
Styrene	0.0250	0.0197	0.0213	78.9	85.1	78.0-124			7.53	20
1,1,1,2-Tetrachloroethane	0.0250	0.0254	0.0247	102	98.6	74.0-124			3.09	20
1,1,2,2-Tetrachloroethane	0.0250	0.0219	0.0215	87.5	86.2	73.0-120			1.50	20
Tetrachloroethene	0.0250	0.0240	0.0249	96.1	99.8	70.0-127			3.76	20
Toluene	0.0250	0.0233	0.0246	93.0	98.4	77.0-120			5.64	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0316	0.0317	126	127	64.0-135			0.316	20
1,2,3-Trichlorobenzene	0.0250	0.0243	0.0229	97.1	91.6	68.0-126			5.89	20
1,2,4-Trichlorobenzene	0.0250	0.0235	0.0222	94.2	88.9	70.0-127			5.73	20
1,1,1-Trichloroethane	0.0250	0.0258	0.0254	103	101	69.0-125			1.82	20
1,1,2-Trichloroethane	0.0250	0.0230	0.0251	91.9	100	78.0-120			8.75	20
Trichloroethene	0.0250	0.0254	0.0253	102	101	79.0-120			0.343	20
Trichlorofluoromethane	0.0250	0.0248	0.0244	99.1	97.6	59.0-136			1.47	20
1,2,3-Trichloropropane	0.0250	0.0216	0.0223	86.4	89.3	73.0-124			3.21	20
1,2,3-Trimethylbenzene	0.0250	0.0241	0.0238	96.2	95.4	76.0-120			0.872	20
1,2,4-Trimethylbenzene	0.0250	0.0214	0.0216	85.7	86.3	75.0-120			0.730	20
1,3,5-Trimethylbenzene	0.0250	0.0213	0.0213	85.3	85.1	75.0-120			0.316	20
Vinyl acetate	0.125	0.0975	0.105	78.0	84.2	58.0-156			7.63	20
Vinyl chloride	0.0250	0.0251	0.0242	100	96.8	63.0-134			3.43	20
Xylenes, Total	0.0750	0.0703	0.0731	93.7	97.5	77.0-120			3.91	20
(S) Toluene-d8				*104*	*107*	*80.0-120*				
(S) Dibromofluoromethane				*105*	*101*	*74.0-131*				
(S) 4-Bromofluorobenzene				*83.3*	*84.7*	*64.0-132*				

L983477-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983477-03 04/07/18 08:35 • (MS) R3300924-4 04/07/18 08:57 • (MSD) R3300924-5 04/07/18 09:18

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.0665	0.0738	53.2	59.1	1	10.0-160			10.4	36
Acrylonitrile	0.125	ND	0.102	0.114	81.7	91.2	1	14.0-160			10.9	33
Benzene	0.0250	ND	0.0223	0.0249	87.7	98.1	1	13.0-146			11.1	27
Bromobenzene	0.0250	ND	0.0120	0.0134	48.1	53.5	1	10.0-149			10.5	33
Bromodichloromethane	0.0250	ND	0.0175	0.0202	70.1	81.0	1	15.0-142			14.4	28
Bromochloromethane	0.0250		0.0201	0.0232	80.3	93.0	1	24.0-146			14.6	27
Bromoform	0.0250	ND	0.0119	0.0133	47.8	53.1	1	10.0-147			10.5	31
Bromomethane	0.0250	ND	0.0274	0.0297	110	119	1	10.0-160			7.94	32
n-Butylbenzene	0.0250	ND	0.0133	0.0153	53.4	61.3	1	10.0-154			13.7	37
sec-Butylbenzene	0.0250	ND	0.0161	0.0183	64.3	73.1	1	10.0-151			12.8	36
tert-Butylbenzene	0.0250	ND	0.0161	0.0185	64.4	74.0	1	10.0-152			13.9	35
Carbon disulfide	0.0250		0.0199	0.0227	79.7	90.7	1	10.0-141			12.9	30
Carbon tetrachloride	0.0250	ND	0.0263	0.0317	105	127	1	13.0-140			18.8	30
Chlorobenzene	0.0250	ND	0.0146	0.0161	58.5	64.2	1	10.0-149			9.38	31
Chlorodibromomethane	0.0250	ND	0.0135	0.0156	54.0	62.6	1	12.0-147			14.7	29
Chloroethane	0.0250	ND	0.0273	0.0299	109	120	1	10.0-159			9.32	33
Chloroform	0.0250	ND	0.0233	0.0267	93.3	107	1	18.0-148			13.4	28
Chloromethane	0.0250	ND	0.0233	0.0260	93.3	104	1	10.0-146			10.8	29
2-Chlorotoluene	0.0250	ND	0.0138	0.0160	55.1	64.0	1	10.0-151			14.8	35
4-Chlorotoluene	0.0250	ND	0.0120	0.0137	48.2	54.9	1	10.0-150			13.1	35
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0124	0.0146	49.7	58.4	1	10.0-149			16.1	34
1,2-Dibromoethane	0.0250	ND	0.0139	0.0155	55.8	61.8	1	14.0-145			10.2	28
Dibromomethane	0.0250	ND	0.0169	0.0200	67.5	79.9	1	18.0-144			16.9	27
1,2-Dichlorobenzene	0.0250	ND	0.0110	0.0128	43.9	51.1	1	10.0-153			15.1	34
1,3-Dichlorobenzene	0.0250	ND	0.0111	0.0126	44.4	50.2	1	10.0-150			12.2	35
1,4-Dichlorobenzene	0.0250	ND	0.0106	0.0124	42.5	49.7	1	10.0-148			15.6	34
trans-1,4-Dichloro-2-butene	0.0250		0.0133	0.0147	53.4	58.9	1	10.0-160			9.74	40
Dichlorodifluoromethane	0.0250	ND	0.0319	0.0343	128	137	1	10.0-160			7.30	30
1,1-Dichloroethane	0.0250	ND	0.0237	0.0270	94.7	108	1	19.0-148			13.1	28
1,2-Dichloroethane	0.0250	ND	0.0190	0.0208	75.8	83.2	1	17.0-147			9.21	27
1,1-Dichloroethene	0.0250	ND	0.0269	0.0308	108	123	1	10.0-150			13.3	31
cis-1,2-Dichloroethene	0.0250	ND	0.0220	0.0252	88.2	101	1	16.0-145			13.5	28
trans-1,2-Dichloroethene	0.0250	ND	0.0233	0.0280	93.1	112	1	11.0-142			18.4	29
1,2-Dichloropropane	0.0250	ND	0.0174	0.0198	69.5	79.3	1	17.0-148			13.1	28
1,1-Dichloropropene	0.0250	ND	0.0236	0.0282	94.4	113	1	10.0-150			17.7	30
1,3-Dichloropropane	0.0250	ND	0.0140	0.0159	56.1	63.4	1	16.0-148			12.3	27
cis-1,3-Dichloropropene	0.0250	ND	0.0127	0.0147	50.7	58.8	1	13.0-150			14.8	28
trans-1,3-Dichloropropene	0.0250	ND	0.0126	0.0137	50.2	54.7	1	10.0-152			8.54	29
2,2-Dichloropropane	0.0250	ND	0.0259	0.0306	103	122	1	16.0-143			16.8	30
Di-isopropyl ether	0.0250	ND	0.0169	0.0197	67.8	78.7	1	16.0-149			14.9	28

L983477-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983477-03 04/07/18 08:35 • (MS) R3300924-4 04/07/18 08:57 • (MSD) R3300924-5 04/07/18 09:18

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	ND	0.0159	0.0181	63.7	72.6	1	10.0-147			13.0	31
Hexachloro-1,3-butadiene	0.0250	ND	0.00998	0.0110	39.9	44.0	1	10.0-154			9.72	40
2-Hexanone	0.125		0.0670	0.0693	53.6	55.4	1	12.0-158			3.26	30
n-Hexane	0.0250		0.0222	0.0261	87.0	103	1	10.0-140			16.1	34
Iodomethane	0.125		0.122	0.128	97.8	102	1	10.0-157			4.62	34
Isopropylbenzene	0.0250	ND	0.0159	0.0185	63.4	74.1	1	10.0-147			15.6	33
p-Isopropyltoluene	0.0250	ND	0.0150	0.0168	60.0	67.2	1	10.0-156			11.4	37
2-Butanone (MEK)	0.125	ND	0.0869	0.0936	69.5	74.9	1	10.0-160			7.45	33
Methylene Chloride	0.0250	ND	0.0208	0.0240	83.1	96.0	1	16.0-139			14.4	29
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.0759	0.0858	60.7	68.6	1	12.0-160			12.2	32
Methyl tert-butyl ether	0.0250	ND	0.0192	0.0220	76.7	88.2	1	21.0-145			14.0	29
Naphthalene	0.0250	ND	0.00594	0.00715	23.8	28.6	1	10.0-153			18.5	36
n-Propylbenzene	0.0250	ND	0.0149	0.0169	59.6	67.5	1	10.0-151			12.4	34
Styrene	0.0250	ND	0.00430	0.00450	17.2	18.0	1	10.0-155			4.57	34
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0160	0.0190	64.0	76.0	1	10.0-147			17.2	30
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0157	0.0175	63.0	70.1	1	10.0-155			10.8	31
Tetrachloroethene	0.0250	0.00140	0.0171	0.0218	62.9	81.8	1	10.0-144			24.2	32
Toluene	0.0250	ND	0.0168	0.0198	67.2	79.3	1	10.0-144			16.6	28
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0368	0.0420	147	168	1	10.0-153		J5	13.3	33
1,2,3-Trichlorobenzene	0.0250	ND	0.00555	0.00659	22.2	26.4	1	10.0-153			17.1	40
1,2,4-Trichlorobenzene	0.0250	ND	0.00534	0.00672	21.3	26.9	1	10.0-156			22.9	40
1,1,1-Trichloroethane	0.0250	ND	0.0268	0.0316	107	127	1	18.0-145			16.5	29
1,1,2-Trichloroethane	0.0250	ND	0.0141	0.0163	56.5	65.3	1	12.0-151			14.6	28
Trichloroethene	0.0250	ND	0.0204	0.0255	81.6	102	1	11.0-148			22.1	29
Trichlorofluoromethane	0.0250	ND	0.0308	0.0351	123	141	1	10.0-157			13.0	34
1,2,3-Trichloropropane	0.0250	ND	0.0154	0.0172	61.7	68.9	1	10.0-154			11.0	32
1,2,3-Trimethylbenzene	0.0250	ND	0.0143	0.0162	57.3	64.8	1	10.0-150			12.2	33
1,2,4-Trimethylbenzene	0.0250	ND	0.0135	0.0156	54.2	62.3	1	10.0-151			14.0	34
1,3,5-Trimethylbenzene	0.0250	ND	0.0145	0.0167	58.1	66.6	1	10.0-150			13.7	33
Vinyl acetate	0.125		0.0798	0.0850	63.9	68.0	1	10.0-160			6.19	40
Vinyl chloride	0.0250	ND	0.0292	0.0326	117	130	1	10.0-150			11.0	29
Xylenes, Total	0.0750	ND	0.0471	0.0540	62.8	72.0	1	10.0-150			13.6	31
(S) Toluene-d8					*93.1*	*93.7*		*80.0-120*				
(S) Dibromofluoromethane					*131*	*132*		*74.0-131*		J1		
(S) 4-Bromofluorobenzene					*86.0*	*82.6*		*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

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

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

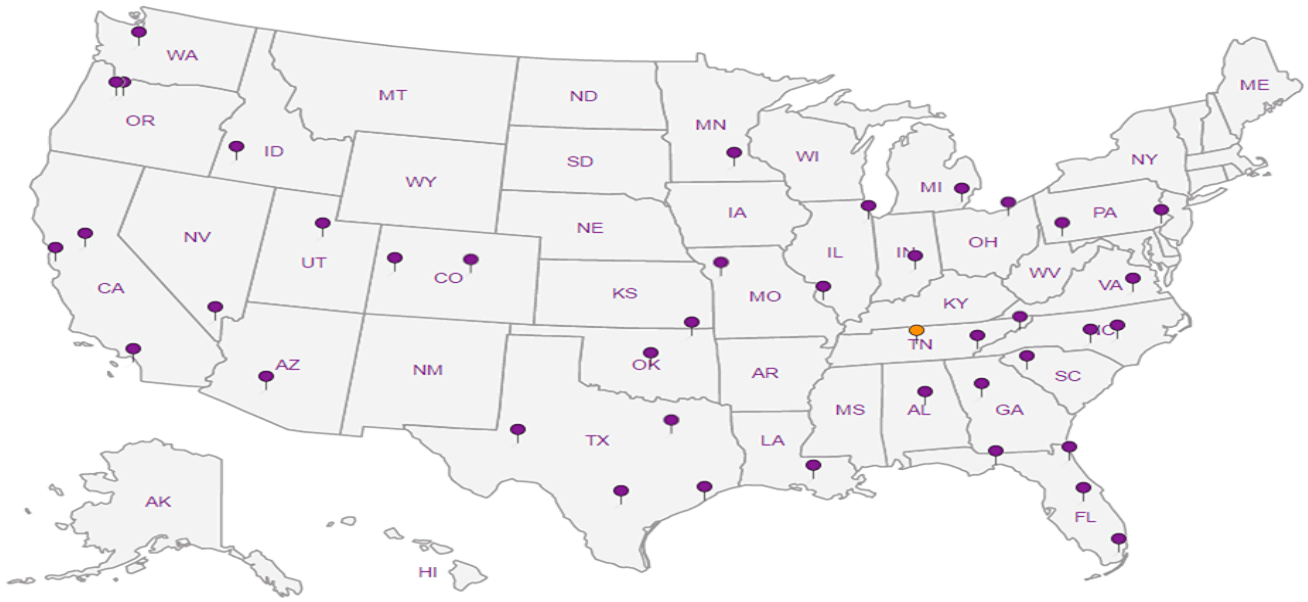
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: Seattle WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Dan Johnson

Collected by (signature): Dan Johnson

Immediately Packed on Ice N + Y X

Site/Facility ID #

P.O. #

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

ESC LABORATORIES
a subsidiary of Pace Analytical
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L983460

C226

Table

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-242-5	Grab	SS	5	4-4-18	0857	5	X	X		-01
B-242-10		SS	10		0906					-02
B-242-15		SS	15		0915					-03
B-242-20		SS	20		0924					-04
B-242-25		SS	25		0932					-05
B-242-30		SS	30		0940					-06
B-242-35		SS	35		0948					-07
B-242-40		SS	40		1005					-08
B-242-45		SS	45		1022					-09
B-242-50	X	SS	50	X	1034	X				-10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking # 426992463048

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
K. McLaughlin	4-4-18	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1 °C Bottles Received: 12S	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/5/18 Time: 0845	Hold: Condition: NCF / OK

Chain of Custody Page 2 of 3

ESC LABS — a subsidiary of Pace Analytical

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: Seattle WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Dan Johnson

Collected by (signature): Dan Johnson

Site/Facility ID #

P.O. #

Quote #

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

L# L983460

Table #

Acctnum: PESENVSWA

Template: T134174

Prelogin: P645191

TSR: 110 - Brian Ford

PB:

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-242-55	Grab	SS	55	4-4-18	1052	5	X	X		-11
B-242-60		SS	60		1059					-12
B-242-65		SS	65		1107					-13
B-242-70		SS	70		1120					-14
B-242-75		SS	75		1136					-15
B-242-80		SS	80		1145					-16
B-910-50	X	SS	50	X	1107					-17
TRIP BLANK	X	SS	—	12-11-17	—	1				-18
		SS								
		SS								

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 4269 9216 3048

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Kyle Baughl	4-4-18	1600			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1 2.0 °C Bottles Received: 12	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/5/18 Time: 0845	Hold: Condition: NCF / OK
			Kelly Mendenhall		

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
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Pres Chk

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

Project Description:

City/State Collected: Seattle WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): RTM & DJ

Site/Facility ID #

P.O. #

Collected by (signature): Rachel McDonald

Immediately Packed on Ice N X Y ___

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt, voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-241-65	Grab	SS	65	4-3-18	1426	5	X	X		-19
B-241-40		SS	40		1304					-20
B-241-70		SS	70		1439					-21
B-241-30		SS	30		1158					-22
B-241-60		SS	60		1410					-23
B-241-45		SS	45		1320					-24
B-241-35		SS	35		1204					-25
B-241-75	X	SS	75	X	1456					-26
		SS								
		SS								

Analysis / Container / Preservative

Chain of Custody

ESC LABORATORIES
a subsidiary of Pace Analytical

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

L# 1983460

Table #

Acctnum: PESENVSWA

Template: T134174

Prelogin: P645191

TSR: 110 - Brian Ford

PB:

Shipped Via: FedEX Ground

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 4269 9216 3048

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
RTM Rachel McDonald	4/4/18	1600		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1 °C Bottles Received: 25
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Kelly Rhen	Date: 4/5/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0109	0.0543	1	04/06/2018 23:18	WG1094842
Acrylonitrile	U		0.00194	0.0109	1	04/06/2018 23:18	WG1094842
Benzene	U		0.000293	0.00109	1	04/06/2018 23:18	WG1094842
Bromobenzene	U		0.000308	0.00109	1	04/06/2018 23:18	WG1094842
Bromodichloromethane	U		0.000276	0.00109	1	04/06/2018 23:18	WG1094842
Bromochloromethane	U		0.000423	0.00543	1	04/06/2018 23:18	WG1094842
Bromoform	U		0.000460	0.00109	1	04/06/2018 23:18	WG1094842
Bromomethane	U		0.00145	0.00543	1	04/06/2018 23:18	WG1094842
n-Butylbenzene	U		0.000280	0.00109	1	04/06/2018 23:18	WG1094842
sec-Butylbenzene	U		0.000218	0.00109	1	04/06/2018 23:18	WG1094842
tert-Butylbenzene	U		0.000224	0.00109	1	04/06/2018 23:18	WG1094842
Carbon disulfide	0.000251 J	J	0.000240	0.00109	1	04/06/2018 23:18	WG1094842
Carbon tetrachloride	U		0.000356	0.00109	1	04/06/2018 23:18	WG1094842
Chlorobenzene	U		0.000230	0.00109	1	04/06/2018 23:18	WG1094842
Chlorodibromomethane	U		0.000405	0.00109	1	04/06/2018 23:18	WG1094842
Chloroethane	U		0.00103	0.00543	1	04/06/2018 23:18	WG1094842
Chloroform	U		0.000249	0.00543	1	04/06/2018 23:18	WG1094842
Chloromethane	U		0.000407	0.00271	1	04/06/2018 23:18	WG1094842
2-Chlorotoluene	U		0.000327	0.00109	1	04/06/2018 23:18	WG1094842
4-Chlorotoluene	U		0.000260	0.00109	1	04/06/2018 23:18	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	04/06/2018 23:18	WG1094842
1,2-Dibromoethane	U		0.000372	0.00109	1	04/06/2018 23:18	WG1094842
Dibromomethane	U		0.000415	0.00109	1	04/06/2018 23:18	WG1094842
1,2-Dichlorobenzene	U		0.000331	0.00109	1	04/06/2018 23:18	WG1094842
1,3-Dichlorobenzene	U		0.000259	0.00109	1	04/06/2018 23:18	WG1094842
1,4-Dichlorobenzene	U		0.000245	0.00109	1	04/06/2018 23:18	WG1094842
Dichlorodifluoromethane	U		0.000774	0.00543	1	04/06/2018 23:18	WG1094842
1,1-Dichloroethane	U		0.000216	0.00109	1	04/06/2018 23:18	WG1094842
1,2-Dichloroethane	U		0.000288	0.00109	1	04/06/2018 23:18	WG1094842
1,1-Dichloroethene	U		0.000329	0.00109	1	04/06/2018 23:18	WG1094842
cis-1,2-Dichloroethene	0.00494		0.000255	0.00109	1	04/06/2018 23:18	WG1094842
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/06/2018 23:18	WG1094842
1,2-Dichloropropane	U		0.000389	0.00109	1	04/06/2018 23:18	WG1094842
1,1-Dichloropropene	U		0.000344	0.00109	1	04/06/2018 23:18	WG1094842
1,3-Dichloropropane	U		0.000225	0.00109	1	04/06/2018 23:18	WG1094842
cis-1,3-Dichloropropene	U		0.000284	0.00109	1	04/06/2018 23:18	WG1094842
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	04/06/2018 23:18	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	04/06/2018 23:18	WG1094842
2,2-Dichloropropane	U		0.000303	0.00109	1	04/06/2018 23:18	WG1094842
Di-isopropyl ether	U		0.000269	0.00109	1	04/06/2018 23:18	WG1094842
Ethylbenzene	U		0.000322	0.00109	1	04/06/2018 23:18	WG1094842
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	04/06/2018 23:18	WG1094842
2-Hexanone	U	J3	0.00149	0.0109	1	04/06/2018 23:18	WG1094842
n-Hexane	U		0.000315	0.0109	1	04/06/2018 23:18	WG1094842
Iodomethane	U		0.00275	0.0109	1	04/06/2018 23:18	WG1094842
Isopropylbenzene	U		0.000264	0.00109	1	04/06/2018 23:18	WG1094842
p-Isopropyltoluene	U		0.000221	0.00109	1	04/06/2018 23:18	WG1094842
2-Butanone (MEK)	U	J3	0.00508	0.0109	1	04/06/2018 23:18	WG1094842
Methylene Chloride	U		0.00109	0.00543	1	04/06/2018 23:18	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00204	0.0109	1	04/06/2018 23:18	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00109	1	04/06/2018 23:18	WG1094842
Naphthalene	U		0.00109	0.00543	1	04/06/2018 23:18	WG1094842
n-Propylbenzene	U		0.000224	0.00109	1	04/06/2018 23:18	WG1094842
Styrene	U		0.000254	0.00109	1	04/06/2018 23:18	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/06/2018 23:18	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	04/06/2018 23:18	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	04/06/2018 23:18	WG1094842
Tetrachloroethene	0.0116		0.000300	0.00109	1	04/06/2018 23:18	WG1094842
Toluene	U		0.000471	0.00543	1	04/06/2018 23:18	WG1094842
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	04/06/2018 23:18	WG1094842
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	04/06/2018 23:18	WG1094842
1,1,1-Trichloroethane	U		0.000310	0.00109	1	04/06/2018 23:18	WG1094842
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/06/2018 23:18	WG1094842
Trichloroethene	0.00647		0.000303	0.00109	1	04/06/2018 23:18	WG1094842
Trichlorofluoromethane	U		0.000415	0.00543	1	04/06/2018 23:18	WG1094842
1,2,3-Trichloropropane	U		0.000804	0.00271	1	04/06/2018 23:18	WG1094842
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	04/06/2018 23:18	WG1094842
1,2,3-Trimethylbenzene	U		0.000311	0.00109	1	04/06/2018 23:18	WG1094842
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/06/2018 23:18	WG1094842
Vinyl acetate	U		0.00259	0.0109	1	04/06/2018 23:18	WG1094842
Vinyl chloride	U		0.000316	0.00109	1	04/06/2018 23:18	WG1094842
Xylenes, Total	U	J4	0.000758	0.00326	1	04/06/2018 23:18	WG1094842
(S) Toluene-d8	*100*			*80.0-120*		*04/06/2018 23:18*	WG1094842
(S) Dibromofluoromethane	*98.8*			*74.0-131*		*04/06/2018 23:18*	WG1094842
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*04/06/2018 23:18*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0109	0.0547	1	04/06/2018 23:39	WG1094842	
Acrylonitrile	U		0.00196	0.0109	1	04/06/2018 23:39	WG1094842	
Benzene	U		0.000296	0.00109	1	04/06/2018 23:39	WG1094842	
Bromobenzene	U		0.000311	0.00109	1	04/06/2018 23:39	WG1094842	
Bromodichloromethane	U		0.000278	0.00109	1	04/06/2018 23:39	WG1094842	
Bromochloromethane	U		0.000427	0.00547	1	04/06/2018 23:39	WG1094842	
Bromoform	U		0.000464	0.00109	1	04/06/2018 23:39	WG1094842	
Bromomethane	U		0.00147	0.00547	1	04/06/2018 23:39	WG1094842	
n-Butylbenzene	U		0.000282	0.00109	1	04/06/2018 23:39	WG1094842	
sec-Butylbenzene	U		0.000220	0.00109	1	04/06/2018 23:39	WG1094842	
tert-Butylbenzene	U		0.000225	0.00109	1	04/06/2018 23:39	WG1094842	
Carbon disulfide	U		0.000242	0.00109	1	04/06/2018 23:39	WG1094842	
Carbon tetrachloride	U		0.000359	0.00109	1	04/06/2018 23:39	WG1094842	
Chlorobenzene	U		0.000232	0.00109	1	04/06/2018 23:39	WG1094842	
Chlorodibromomethane	U		0.000408	0.00109	1	04/06/2018 23:39	WG1094842	
Chloroethane	U		0.00104	0.00547	1	04/06/2018 23:39	WG1094842	
Chloroform	U		0.000251	0.00547	1	04/06/2018 23:39	WG1094842	
Chloromethane	U		0.000410	0.00274	1	04/06/2018 23:39	WG1094842	
2-Chlorotoluene	U		0.000329	0.00109	1	04/06/2018 23:39	WG1094842	
4-Chlorotoluene	U		0.000263	0.00109	1	04/06/2018 23:39	WG1094842	
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	04/06/2018 23:39	WG1094842	
1,2-Dibromoethane	U		0.000375	0.00109	1	04/06/2018 23:39	WG1094842	
Dibromomethane	U		0.000418	0.00109	1	04/06/2018 23:39	WG1094842	
1,2-Dichlorobenzene	U		0.000334	0.00109	1	04/06/2018 23:39	WG1094842	
1,3-Dichlorobenzene	U		0.000262	0.00109	1	04/06/2018 23:39	WG1094842	
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/06/2018 23:39	WG1094842	
Dichlorodifluoromethane	U		0.000780	0.00547	1	04/06/2018 23:39	WG1094842	
1,1-Dichloroethane	U		0.000218	0.00109	1	04/06/2018 23:39	WG1094842	
1,2-Dichloroethane	U		0.000290	0.00109	1	04/06/2018 23:39	WG1094842	
1,1-Dichloroethene	U		0.000332	0.00109	1	04/06/2018 23:39	WG1094842	
cis-1,2-Dichloroethene	0.00156		0.000257	0.00109	1	04/06/2018 23:39	WG1094842	
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	04/06/2018 23:39	WG1094842	
1,2-Dichloropropane	U		0.000392	0.00109	1	04/06/2018 23:39	WG1094842	
1,1-Dichloropropene	U		0.000347	0.00109	1	04/06/2018 23:39	WG1094842	
1,3-Dichloropropane	U		0.000227	0.00109	1	04/06/2018 23:39	WG1094842	
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	04/06/2018 23:39	WG1094842	
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/06/2018 23:39	WG1094842	
trans-1,4-Dichloro-2-butene	U		0.000852	0.00274	1	04/06/2018 23:39	WG1094842	JC 4/25/18
2,2-Dichloropropane	U		0.000305	0.00109	1	04/06/2018 23:39	WG1094842	
Di-isopropyl ether	U		0.000271	0.00109	1	04/06/2018 23:39	WG1094842	
Ethylbenzene	U		0.000325	0.00109	1	04/06/2018 23:39	WG1094842	
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	04/06/2018 23:39	WG1094842	
2-Hexanone	U	J3	0.00150	0.0109	1	04/06/2018 23:39	WG1094842	
n-Hexane	U		0.000317	0.0109	1	04/06/2018 23:39	WG1094842	
Iodomethane	U		0.00277	0.0109	1	04/06/2018 23:39	WG1094842	
Isopropylbenzene	U		0.000266	0.00109	1	04/06/2018 23:39	WG1094842	
p-Isopropyltoluene	U		0.000223	0.00109	1	04/06/2018 23:39	WG1094842	
2-Butanone (MEK)	U	J3	0.00512	0.0109	1	04/06/2018 23:39	WG1094842	
Methylene Chloride	U		0.00109	0.00547	1	04/06/2018 23:39	WG1094842	
4-Methyl-2-pentanone (MIBK)	U	J3	0.00206	0.0109	1	04/06/2018 23:39	WG1094842	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/06/2018 23:39	WG1094842
Naphthalene	U		0.00109	0.00547	1	04/06/2018 23:39	WG1094842
n-Propylbenzene	U		0.000225	0.00109	1	04/06/2018 23:39	WG1094842
Styrene	U		0.000256	0.00109	1	04/06/2018 23:39	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	04/06/2018 23:39	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/06/2018 23:39	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/06/2018 23:39	WG1094842
Tetrachloroethene	0.0783		0.000302	0.00109	1	04/06/2018 23:39	WG1094842
Toluene	U		0.000475	0.00547	1	04/06/2018 23:39	WG1094842
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	04/06/2018 23:39	WG1094842
1,2,4-Trichlorobenzene	U		0.000425	0.00109	1	04/06/2018 23:39	WG1094842
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/06/2018 23:39	WG1094842
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/06/2018 23:39	WG1094842
Trichloroethene	0.00835		0.000305	0.00109	1	04/06/2018 23:39	WG1094842
Trichlorofluoromethane	U		0.000418	0.00547	1	04/06/2018 23:39	WG1094842
1,2,3-Trichloropropane	U		0.000811	0.00274	1	04/06/2018 23:39	WG1094842
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/06/2018 23:39	WG1094842
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/06/2018 23:39	WG1094842
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/06/2018 23:39	WG1094842
Vinyl acetate	U		0.00262	0.0109	1	04/06/2018 23:39	WG1094842
Vinyl chloride	U		0.000319	0.00109	1	04/06/2018 23:39	WG1094842
Xylenes, Total	U	J4	0.000764	0.00328	1	04/06/2018 23:39	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2018 23:39*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/06/2018 23:39*	WG1094842
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/06/2018 23:39*	WG1094842

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0117	0.0583	1	04/07/2018 00:01	WG1094842	
Acrylonitrile	U		0.00209	0.0117	1	04/07/2018 00:01	WG1094842	
Benzene	U		0.000315	0.00117	1	04/07/2018 00:01	WG1094842	
Bromobenzene	U		0.000331	0.00117	1	04/07/2018 00:01	WG1094842	
Bromodichloromethane	U		0.000296	0.00117	1	04/07/2018 00:01	WG1094842	
Bromochloromethane	U		0.000455	0.00583	1	04/07/2018 00:01	WG1094842	
Bromoform	U		0.000494	0.00117	1	04/07/2018 00:01	WG1094842	
Bromomethane	U		0.00156	0.00583	1	04/07/2018 00:01	WG1094842	
n-Butylbenzene	U		0.000301	0.00117	1	04/07/2018 00:01	WG1094842	
sec-Butylbenzene	U		0.000234	0.00117	1	04/07/2018 00:01	WG1094842	
tert-Butylbenzene	U		0.000240	0.00117	1	04/07/2018 00:01	WG1094842	
Carbon disulfide	U		0.000258	0.00117	1	04/07/2018 00:01	WG1094842	
Carbon tetrachloride	U		0.000382	0.00117	1	04/07/2018 00:01	WG1094842	
Chlorobenzene	U		0.000247	0.00117	1	04/07/2018 00:01	WG1094842	
Chlorodibromomethane	U		0.000435	0.00117	1	04/07/2018 00:01	WG1094842	
Chloroethane	U		0.00110	0.00583	1	04/07/2018 00:01	WG1094842	
Chloroform	U		0.000267	0.00583	1	04/07/2018 00:01	WG1094842	
Chloromethane	U		0.000437	0.00292	1	04/07/2018 00:01	WG1094842	
2-Chlorotoluene	U		0.000351	0.00117	1	04/07/2018 00:01	WG1094842	
4-Chlorotoluene	U		0.000280	0.00117	1	04/07/2018 00:01	WG1094842	
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00583	1	04/07/2018 00:01	WG1094842	
1,2-Dibromoethane	U		0.000400	0.00117	1	04/07/2018 00:01	WG1094842	
Dibromomethane	U		0.000445	0.00117	1	04/07/2018 00:01	WG1094842	
1,2-Dichlorobenzene	U		0.000356	0.00117	1	04/07/2018 00:01	WG1094842	
1,3-Dichlorobenzene	U		0.000279	0.00117	1	04/07/2018 00:01	WG1094842	
1,4-Dichlorobenzene	U		0.000264	0.00117	1	04/07/2018 00:01	WG1094842	
Dichlorodifluoromethane	U		0.000831	0.00583	1	04/07/2018 00:01	WG1094842	
1,1-Dichloroethane	U		0.000232	0.00117	1	04/07/2018 00:01	WG1094842	
1,2-Dichloroethane	U		0.000309	0.00117	1	04/07/2018 00:01	WG1094842	
1,1-Dichloroethene	U		0.000353	0.00117	1	04/07/2018 00:01	WG1094842	
cis-1,2-Dichloroethene	0.00483		0.000274	0.00117	1	04/07/2018 00:01	WG1094842	JC 4/25/18
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	04/07/2018 00:01	WG1094842	
1,2-Dichloropropane	U		0.000417	0.00117	1	04/07/2018 00:01	WG1094842	
1,1-Dichloropropene	U		0.000370	0.00117	1	04/07/2018 00:01	WG1094842	
1,3-Dichloropropane	U		0.000241	0.00117	1	04/07/2018 00:01	WG1094842	
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	04/07/2018 00:01	WG1094842	
trans-1,3-Dichloropropene	U		0.000311	0.00117	1	04/07/2018 00:01	WG1094842	
trans-1,4-Dichloro-2-butene	U		0.000907	0.00292	1	04/07/2018 00:01	WG1094842	
2,2-Dichloropropane	U		0.000325	0.00117	1	04/07/2018 00:01	WG1094842	
Di-isopropyl ether	U		0.000289	0.00117	1	04/07/2018 00:01	WG1094842	
Ethylbenzene	U		0.000346	0.00117	1	04/07/2018 00:01	WG1094842	
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	04/07/2018 00:01	WG1094842	
2-Hexanone	U	J3	0.00160	0.0117	1	04/07/2018 00:01	WG1094842	
n-Hexane	U		0.000338	0.0117	1	04/07/2018 00:01	WG1094842	
Iodomethane	U		0.00295	0.0117	1	04/07/2018 00:01	WG1094842	
Isopropylbenzene	U		0.000283	0.00117	1	04/07/2018 00:01	WG1094842	
p-Isopropyltoluene	U		0.000238	0.00117	1	04/07/2018 00:01	WG1094842	
2-Butanone (MEK)	U	J3	0.00546	0.0117	1	04/07/2018 00:01	WG1094842	
Methylene Chloride	U		0.00117	0.00583	1	04/07/2018 00:01	WG1094842	
4-Methyl-2-pentanone (MIBK)	U	J3	0.00219	0.0117	1	04/07/2018 00:01	WG1094842	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00117	1	04/07/2018 00:01	WG1094842
Naphthalene	U		0.00117	0.00583	1	04/07/2018 00:01	WG1094842
n-Propylbenzene	U		0.000240	0.00117	1	04/07/2018 00:01	WG1094842
Styrene	U		0.000273	0.00117	1	04/07/2018 00:01	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	04/07/2018 00:01	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	04/07/2018 00:01	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	04/07/2018 00:01	WG1094842
Tetrachloroethene	1.97		0.0322	0.117	100	04/09/2018 21:29	WG1094842
Toluene	U		0.000506	0.00583	1	04/07/2018 00:01	WG1094842
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	04/07/2018 00:01	WG1094842
1,2,4-Trichlorobenzene	U		0.000452	0.00117	1	04/07/2018 00:01	WG1094842
1,1,1-Trichloroethane	U		0.000333	0.00117	1	04/07/2018 00:01	WG1094842
1,1,2-Trichloroethane	U		0.000323	0.00117	1	04/07/2018 00:01	WG1094842
Trichloroethene	0.0304		0.000325	0.00117	1	04/07/2018 00:01	WG1094842
Trichlorofluoromethane	U		0.000445	0.00583	1	04/07/2018 00:01	WG1094842
1,2,3-Trichloropropane	U		0.000864	0.00292	1	04/07/2018 00:01	WG1094842
1,2,4-Trimethylbenzene	0.000264 J	J	0.000246	0.00117	1	04/07/2018 00:01	WG1094842
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	04/07/2018 00:01	WG1094842
1,3,5-Trimethylbenzene	U		0.000310	0.00117	1	04/07/2018 00:01	WG1094842
Vinyl acetate	U		0.00279	0.0117	1	04/07/2018 00:01	WG1094842
Vinyl chloride	U		0.000339	0.00117	1	04/07/2018 00:01	WG1094842
Xylenes, Total	U	J4	0.000814	0.00350	1	04/07/2018 00:01	WG1094842
(S) Toluene-d8	*108*			*80.0-120*		*04/09/2018 21:29*	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/07/2018 00:01*	WG1094842
(S) Dibromofluoromethane	*100*			*74.0-131*		*04/07/2018 00:01*	WG1094842
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*04/09/2018 21:29*	WG1094842
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*04/09/2018 21:29*	WG1094842
(S) 4-Bromofluorobenzene	*97.8*			*64.0-132*		*04/07/2018 00:01*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0566	1	04/07/2018 00:22	WG1094842
Acrylonitrile	U		0.00203	0.0113	1	04/07/2018 00:22	WG1094842
Benzene	U		0.000306	0.00113	1	04/07/2018 00:22	WG1094842
Bromobenzene	U		0.000322	0.00113	1	04/07/2018 00:22	WG1094842
Bromodichloromethane	U		0.000288	0.00113	1	04/07/2018 00:22	WG1094842
Bromochloromethane	U		0.000442	0.00566	1	04/07/2018 00:22	WG1094842
Bromoform	U		0.000480	0.00113	1	04/07/2018 00:22	WG1094842
Bromomethane	U		0.00152	0.00566	1	04/07/2018 00:22	WG1094842
n-Butylbenzene	U		0.000292	0.00113	1	04/07/2018 00:22	WG1094842
sec-Butylbenzene	U		0.000228	0.00113	1	04/07/2018 00:22	WG1094842
tert-Butylbenzene	U		0.000233	0.00113	1	04/07/2018 00:22	WG1094842
Carbon disulfide	U		0.000250	0.00113	1	04/07/2018 00:22	WG1094842
Carbon tetrachloride	U		0.000372	0.00113	1	04/07/2018 00:22	WG1094842
Chlorobenzene	U		0.000240	0.00113	1	04/07/2018 00:22	WG1094842
Chlorodibromomethane	U		0.000423	0.00113	1	04/07/2018 00:22	WG1094842
Chloroethane	U		0.00107	0.00566	1	04/07/2018 00:22	WG1094842
Chloroform	U		0.000259	0.00566	1	04/07/2018 00:22	WG1094842
Chloromethane	U		0.000425	0.00283	1	04/07/2018 00:22	WG1094842
2-Chlorotoluene	U		0.000341	0.00113	1	04/07/2018 00:22	WG1094842
4-Chlorotoluene	U		0.000272	0.00113	1	04/07/2018 00:22	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/07/2018 00:22	WG1094842
1,2-Dibromoethane	U		0.000389	0.00113	1	04/07/2018 00:22	WG1094842
Dibromomethane	U		0.000433	0.00113	1	04/07/2018 00:22	WG1094842
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/07/2018 00:22	WG1094842
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/07/2018 00:22	WG1094842
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/07/2018 00:22	WG1094842
Dichlorodifluoromethane	U		0.000808	0.00566	1	04/07/2018 00:22	WG1094842
1,1-Dichloroethane	U		0.000225	0.00113	1	04/07/2018 00:22	WG1094842
1,2-Dichloroethane	U		0.000300	0.00113	1	04/07/2018 00:22	WG1094842
1,1-Dichloroethene	U		0.000343	0.00113	1	04/07/2018 00:22	WG1094842
cis-1,2-Dichloroethene	0.00878		0.000266	0.00113	1	04/07/2018 00:22	WG1094842
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/07/2018 00:22	WG1094842
1,2-Dichloropropane	U		0.000406	0.00113	1	04/07/2018 00:22	WG1094842
1,1-Dichloropropene	U		0.000359	0.00113	1	04/07/2018 00:22	WG1094842
1,3-Dichloropropane	U		0.000235	0.00113	1	04/07/2018 00:22	WG1094842
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/07/2018 00:22	WG1094842
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/07/2018 00:22	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000881	0.00283	1	04/07/2018 00:22	WG1094842
2,2-Dichloropropane	U		0.000316	0.00113	1	04/07/2018 00:22	WG1094842
Di-isopropyl ether	U		0.000281	0.00113	1	04/07/2018 00:22	WG1094842
Ethylbenzene	U		0.000336	0.00113	1	04/07/2018 00:22	WG1094842
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/07/2018 00:22	WG1094842
2-Hexanone	U	J3	0.00155	0.0113	1	04/07/2018 00:22	WG1094842
n-Hexane	U		0.000329	0.0113	1	04/07/2018 00:22	WG1094842
Iodomethane	U		0.00287	0.0113	1	04/07/2018 00:22	WG1094842
Isopropylbenzene	U		0.000275	0.00113	1	04/07/2018 00:22	WG1094842
p-Isopropyltoluene	U		0.000231	0.00113	1	04/07/2018 00:22	WG1094842
2-Butanone (MEK)	U	J3	0.00530	0.0113	1	04/07/2018 00:22	WG1094842
Methylene Chloride	U		0.00113	0.00566	1	04/07/2018 00:22	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00213	0.0113	1	04/07/2018 00:22	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/07/2018 00:22	WG1094842
Naphthalene	U		0.00113	0.00566	1	04/07/2018 00:22	WG1094842
n-Propylbenzene	U		0.000233	0.00113	1	04/07/2018 00:22	WG1094842
Styrene	U		0.000265	0.00113	1	04/07/2018 00:22	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/07/2018 00:22	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/07/2018 00:22	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/07/2018 00:22	WG1094842
Tetrachloroethene	6.61		0.0313	0.113	100	04/09/2018 21:50	WG1094842
Toluene	U		0.000492	0.00566	1	04/07/2018 00:22	WG1094842
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/07/2018 00:22	WG1094842
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/07/2018 00:22	WG1094842
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/07/2018 00:22	WG1094842
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/07/2018 00:22	WG1094842
Trichloroethene	0.0335		0.000316	0.00113	1	04/07/2018 00:22	WG1094842
Trichlorofluoromethane	U		0.000433	0.00566	1	04/07/2018 00:22	WG1094842
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/07/2018 00:22	WG1094842
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/07/2018 00:22	WG1094842
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/07/2018 00:22	WG1094842
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/07/2018 00:22	WG1094842
Vinyl acetate	U		0.00271	0.0113	1	04/07/2018 00:22	WG1094842
Vinyl chloride	U		0.000330	0.00113	1	04/07/2018 00:22	WG1094842
Xylenes, Total	U	J4	0.000791	0.00340	1	04/07/2018 00:22	WG1094842
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2018 00:22*	WG1094842
(S) Toluene-d8	*108*			*80.0-120*		*04/09/2018 21:50*	WG1094842
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*04/09/2018 21:50*	WG1094842
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*04/07/2018 00:22*	WG1094842
(S) 4-Bromofluorobenzene	*97.6*			*64.0-132*		*04/07/2018 00:22*	WG1094842
(S) 4-Bromofluorobenzene	*93.5*			*64.0-132*		*04/09/2018 21:50*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.10	5.51	100	04/07/2018 03:32	WG1094842
Acrylonitrile	U		0.197	1.10	100	04/07/2018 03:32	WG1094842
Benzene	U		0.0298	0.110	100	04/07/2018 03:32	WG1094842
Bromobenzene	U		0.0313	0.110	100	04/07/2018 03:32	WG1094842
Bromodichloromethane	U		0.0280	0.110	100	04/07/2018 03:32	WG1094842
Bromochloromethane	U		0.0430	0.551	100	04/07/2018 03:32	WG1094842
Bromoform	U		0.0467	0.110	100	04/07/2018 03:32	WG1094842
Bromomethane	U		0.148	0.551	100	04/07/2018 03:32	WG1094842
n-Butylbenzene	U		0.0284	0.110	100	04/07/2018 03:32	WG1094842
sec-Butylbenzene	U		0.0222	0.110	100	04/07/2018 03:32	WG1094842
tert-Butylbenzene	U		0.0227	0.110	100	04/07/2018 03:32	WG1094842
Carbon disulfide	U		0.0244	0.110	100	04/07/2018 03:32	WG1094842
Carbon tetrachloride	U		0.0362	0.110	100	04/07/2018 03:32	WG1094842
Chlorobenzene	U		0.0234	0.110	100	04/07/2018 03:32	WG1094842
Chlorodibromomethane	U		0.0411	0.110	100	04/07/2018 03:32	WG1094842
Chloroethane	U		0.104	0.551	100	04/07/2018 03:32	WG1094842
Chloroform	U		0.0252	0.551	100	04/07/2018 03:32	WG1094842
Chloromethane	U		0.0413	0.276	100	04/07/2018 03:32	WG1094842
2-Chlorotoluene	U		0.0332	0.110	100	04/07/2018 03:32	WG1094842
4-Chlorotoluene	U		0.0265	0.110	100	04/07/2018 03:32	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.116	0.551	100	04/07/2018 03:32	WG1094842
1,2-Dibromoethane	U		0.0378	0.110	100	04/07/2018 03:32	WG1094842
Dibromomethane	U		0.0421	0.110	100	04/07/2018 03:32	WG1094842
1,2-Dichlorobenzene	U		0.0336	0.110	100	04/07/2018 03:32	WG1094842
1,3-Dichlorobenzene	U		0.0263	0.110	100	04/07/2018 03:32	WG1094842
1,4-Dichlorobenzene	U		0.0249	0.110	100	04/07/2018 03:32	WG1094842
Dichlorodifluoromethane	U		0.0786	0.551	100	04/07/2018 03:32	WG1094842
1,1-Dichloroethane	U		0.0219	0.110	100	04/07/2018 03:32	WG1094842
1,2-Dichloroethane	U		0.0292	0.110	100	04/07/2018 03:32	WG1094842
1,1-Dichloroethene	U		0.0334	0.110	100	04/07/2018 03:32	WG1094842
cis-1,2-Dichloroethene	U		0.0259	0.110	100	04/07/2018 03:32	WG1094842
trans-1,2-Dichloroethene	U		0.0291	0.110	100	04/07/2018 03:32	WG1094842
1,2-Dichloropropane	U		0.0395	0.110	100	04/07/2018 03:32	WG1094842
1,1-Dichloropropene	U		0.0349	0.110	100	04/07/2018 03:32	WG1094842
1,3-Dichloropropane	U		0.0228	0.110	100	04/07/2018 03:32	WG1094842
cis-1,3-Dichloropropene	U		0.0289	0.110	100	04/07/2018 03:32	WG1094842
trans-1,3-Dichloropropene	U		0.0294	0.110	100	04/07/2018 03:32	WG1094842
trans-1,4-Dichloro-2-butene	U		0.0858	0.276	100	04/07/2018 03:32	WG1094842
2,2-Dichloropropane	U		0.0308	0.110	100	04/07/2018 03:32	WG1094842
Di-isopropyl ether	U		0.0273	0.110	100	04/07/2018 03:32	WG1094842
Ethylbenzene	U		0.0327	0.110	100	04/07/2018 03:32	WG1094842
Hexachloro-1,3-butadiene	U		0.0377	0.110	100	04/07/2018 03:32	WG1094842
2-Hexanone	U	J3	0.151	1.10	100	04/07/2018 03:32	WG1094842
n-Hexane	U		0.0320	1.10	100	04/07/2018 03:32	WG1094842
Iodomethane	U		0.279	1.10	100	04/07/2018 03:32	WG1094842
Isopropylbenzene	U		0.0268	0.110	100	04/07/2018 03:32	WG1094842
p-Isopropyltoluene	U		0.0225	0.110	100	04/07/2018 03:32	WG1094842
2-Butanone (MEK)	U	J3	0.516	1.10	100	04/07/2018 03:32	WG1094842
Methylene Chloride	U		0.110	0.551	100	04/07/2018 03:32	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.207	1.10	100	04/07/2018 03:32	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0234	0.110	100	04/07/2018 03:32	WG1094842
Naphthalene	U		0.110	0.551	100	04/07/2018 03:32	WG1094842
n-Propylbenzene	U		0.0227	0.110	100	04/07/2018 03:32	WG1094842
Styrene	U		0.0258	0.110	100	04/07/2018 03:32	WG1094842
1,1,1,2-Tetrachloroethane	U		0.0291	0.110	100	04/07/2018 03:32	WG1094842
1,1,2,2-Tetrachloroethane	U		0.0402	0.110	100	04/07/2018 03:32	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.0402	0.110	100	04/07/2018 03:32	WG1094842
Tetrachloroethene	2.05		0.0304	0.110	100	04/07/2018 03:32	WG1094842
Toluene	U		0.0478	0.551	100	04/07/2018 03:32	WG1094842
1,2,3-Trichlorobenzene	U		0.0337	0.110	100	04/07/2018 03:32	WG1094842
1,2,4-Trichlorobenzene	U		0.0428	0.110	100	04/07/2018 03:32	WG1094842
1,1,1-Trichloroethane	U		0.0315	0.110	100	04/07/2018 03:32	WG1094842
1,1,2-Trichloroethane	U		0.0305	0.110	100	04/07/2018 03:32	WG1094842
Trichloroethene	U		0.0308	0.110	100	04/07/2018 03:32	WG1094842
Trichlorofluoromethane	U		0.0421	0.551	100	04/07/2018 03:32	WG1094842
1,2,3-Trichloropropane	U		0.0817	0.276	100	04/07/2018 03:32	WG1094842
1,2,4-Trimethylbenzene	U		0.0233	0.110	100	04/07/2018 03:32	WG1094842
1,2,3-Trimethylbenzene	U		0.0316	0.110	100	04/07/2018 03:32	WG1094842
1,3,5-Trimethylbenzene	U		0.0293	0.110	100	04/07/2018 03:32	WG1094842
Vinyl acetate	U		0.263	1.10	100	04/07/2018 03:32	WG1094842
Vinyl chloride	U		0.0321	0.110	100	04/07/2018 03:32	WG1094842
Xylenes, Total	U	J4	0.0769	0.331	100	04/07/2018 03:32	WG1094842
(S) Toluene-d8	*111*			*80.0-120*		*04/07/2018 03:32*	WG1094842
(S) Dibromofluoromethane	*91.5*			*74.0-131*		*04/07/2018 03:32*	WG1094842
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*04/07/2018 03:32*	WG1094842

Sample Narrative:

L983460-05 WG1094842: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	0.0148	J	J	0.0112	0.0559	1	04/09/2018 20:04	WG1094842
Acrylonitrile	U			0.00200	0.0112	1	04/07/2018 00:43	WG1094842
Benzene	U			0.000302	0.00112	1	04/07/2018 00:43	WG1094842
Bromobenzene	U			0.000318	0.00112	1	04/07/2018 00:43	WG1094842
Bromodichloromethane	U			0.000284	0.00112	1	04/07/2018 00:43	WG1094842
Bromochloromethane	U			0.000436	0.00559	1	04/07/2018 00:43	WG1094842
Bromoform	U			0.000474	0.00112	1	04/07/2018 00:43	WG1094842
Bromomethane	U			0.00150	0.00559	1	04/07/2018 00:43	WG1094842
n-Butylbenzene	U			0.000289	0.00112	1	04/07/2018 00:43	WG1094842
sec-Butylbenzene	U			0.000225	0.00112	1	04/07/2018 00:43	WG1094842
tert-Butylbenzene	U			0.000230	0.00112	1	04/07/2018 00:43	WG1094842
Carbon disulfide	U			0.000247	0.00112	1	04/07/2018 00:43	WG1094842
Carbon tetrachloride	U			0.000367	0.00112	1	04/07/2018 00:43	WG1094842
Chlorobenzene	U			0.000237	0.00112	1	04/07/2018 00:43	WG1094842
Chlorodibromomethane	U			0.000417	0.00112	1	04/07/2018 00:43	WG1094842
Chloroethane	U			0.00106	0.00559	1	04/07/2018 00:43	WG1094842
Chloroform	U			0.000256	0.00559	1	04/07/2018 00:43	WG1094842
Chloromethane	U			0.000419	0.00280	1	04/07/2018 00:43	WG1094842
2-Chlorotoluene	U			0.000337	0.00112	1	04/07/2018 00:43	WG1094842
4-Chlorotoluene	U			0.000268	0.00112	1	04/07/2018 00:43	WG1094842
1,2-Dibromo-3-Chloropropane	U			0.00117	0.00559	1	04/07/2018 00:43	WG1094842
1,2-Dibromoethane	U			0.000384	0.00112	1	04/07/2018 00:43	WG1094842
Dibromomethane	U			0.000427	0.00112	1	04/07/2018 00:43	WG1094842
1,2-Dichlorobenzene	U			0.000341	0.00112	1	04/07/2018 00:43	WG1094842
1,3-Dichlorobenzene	U			0.000267	0.00112	1	04/07/2018 00:43	WG1094842
1,4-Dichlorobenzene	U			0.000253	0.00112	1	04/07/2018 00:43	WG1094842
Dichlorodifluoromethane	U			0.000798	0.00559	1	04/07/2018 00:43	WG1094842
1,1-Dichloroethane	U			0.000223	0.00112	1	04/07/2018 00:43	WG1094842
1,2-Dichloroethane	U			0.000296	0.00112	1	04/07/2018 00:43	WG1094842
1,1-Dichloroethene	U			0.000339	0.00112	1	04/07/2018 00:43	WG1094842
cis-1,2-Dichloroethene	0.00101	J	J	0.000263	0.00112	1	04/07/2018 00:43	WG1094842
trans-1,2-Dichloroethene	U			0.000295	0.00112	1	04/07/2018 00:43	WG1094842
1,2-Dichloropropane	U			0.000400	0.00112	1	04/07/2018 00:43	WG1094842
1,1-Dichloropropene	U			0.000355	0.00112	1	04/07/2018 00:43	WG1094842
1,3-Dichloropropane	U			0.000232	0.00112	1	04/07/2018 00:43	WG1094842
cis-1,3-Dichloropropene	U			0.000293	0.00112	1	04/07/2018 00:43	WG1094842
trans-1,3-Dichloropropene	U			0.000299	0.00112	1	04/07/2018 00:43	WG1094842
trans-1,4-Dichloro-2-butene	U			0.000870	0.00280	1	04/07/2018 00:43	WG1094842
2,2-Dichloropropane	U			0.000312	0.00112	1	04/07/2018 00:43	WG1094842
Di-isopropyl ether	U			0.000277	0.00112	1	04/07/2018 00:43	WG1094842
Ethylbenzene	U			0.000332	0.00112	1	04/07/2018 00:43	WG1094842
Hexachloro-1,3-butadiene	U			0.000383	0.00112	1	04/07/2018 00:43	WG1094842
2-Hexanone	U		J3	0.00153	0.0112	1	04/07/2018 00:43	WG1094842
n-Hexane	U			0.000324	0.0112	1	04/07/2018 00:43	WG1094842
Iodomethane	U			0.00283	0.0112	1	04/07/2018 00:43	WG1094842
Isopropylbenzene	U			0.000272	0.00112	1	04/07/2018 00:43	WG1094842
p-Isopropyltoluene	U			0.000228	0.00112	1	04/07/2018 00:43	WG1094842
2-Butanone (MEK)	U		J3	0.00523	0.0112	1	04/07/2018 00:43	WG1094842
Methylene Chloride	U			0.00112	0.00559	1	04/07/2018 00:43	WG1094842
4-Methyl-2-pentanone (MIBK)	U		J3	0.00210	0.0112	1	04/07/2018 00:43	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/07/2018 00:43	WG1094842
Naphthalene	U		0.00112	0.00559	1	04/07/2018 00:43	WG1094842
n-Propylbenzene	U		0.000230	0.00112	1	04/07/2018 00:43	WG1094842
Styrene	U		0.000262	0.00112	1	04/07/2018 00:43	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/07/2018 00:43	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/07/2018 00:43	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/07/2018 00:43	WG1094842
Tetrachloroethene	0.205		0.00772	0.0280	25	04/10/2018 12:35	WG1094842
Toluene	U		0.000485	0.00559	1	04/07/2018 00:43	WG1094842
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/07/2018 00:43	WG1094842
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/07/2018 00:43	WG1094842
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/07/2018 00:43	WG1094842
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/07/2018 00:43	WG1094842
Trichloroethene	0.000348 J	J	0.000312	0.00112	1	04/07/2018 00:43	WG1094842
Trichlorofluoromethane	U		0.000427	0.00559	1	04/07/2018 00:43	WG1094842
1,2,3-Trichloropropane	U		0.000829	0.00280	1	04/07/2018 00:43	WG1094842
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/07/2018 00:43	WG1094842
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/07/2018 00:43	WG1094842
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 00:43	WG1094842
Vinyl acetate	U		0.00267	0.0112	1	04/07/2018 00:43	WG1094842
Vinyl chloride	0.00828		0.000325	0.00112	1	04/07/2018 00:43	WG1094842
Xylenes, Total	U	J4	0.000781	0.00336	1	04/07/2018 00:43	WG1094842
(S) Toluene-d8	*110*			*80.0-120*		*04/10/2018 12:35*	WG1094842
(S) Toluene-d8	*99.2*			*80.0-120*		*04/09/2018 20:04*	WG1094842
(S) Toluene-d8	*103*			*80.0-120*		*04/07/2018 00:43*	WG1094842
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/07/2018 00:43*	WG1094842
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*04/10/2018 12:35*	WG1094842
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/09/2018 20:04*	WG1094842
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/09/2018 20:04*	WG1094842
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/07/2018 00:43*	WG1094842
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/10/2018 12:35*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.118		0.0115	0.0576	1	04/09/2018 20:25	WG1094842
Acrylonitrile	U		0.00206	0.0115	1	04/07/2018 01:04	WG1094842
Benzene	U		0.000311	0.00115	1	04/07/2018 01:04	WG1094842
Bromobenzene	U		0.000327	0.00115	1	04/07/2018 01:04	WG1094842
Bromodichloromethane	U		0.000292	0.00115	1	04/07/2018 01:04	WG1094842
Bromochloromethane	U		0.000449	0.00576	1	04/07/2018 01:04	WG1094842
Bromoform	U		0.000488	0.00115	1	04/07/2018 01:04	WG1094842
Bromomethane	U		0.00154	0.00576	1	04/07/2018 01:04	WG1094842
n-Butylbenzene	U		0.000297	0.00115	1	04/07/2018 01:04	WG1094842
sec-Butylbenzene	U		0.000231	0.00115	1	04/07/2018 01:04	WG1094842
tert-Butylbenzene	U		0.000237	0.00115	1	04/07/2018 01:04	WG1094842
Carbon disulfide	0.000364 J	J	0.000254	0.00115	1	04/07/2018 01:04	WG1094842
Carbon tetrachloride	U		0.000378	0.00115	1	04/07/2018 01:04	WG1094842
Chlorobenzene	U		0.000244	0.00115	1	04/07/2018 01:04	WG1094842
Chlorodibromomethane	U		0.000430	0.00115	1	04/07/2018 01:04	WG1094842
Chloroethane	U		0.00109	0.00576	1	04/07/2018 01:04	WG1094842
Chloroform	U		0.000264	0.00576	1	04/07/2018 01:04	WG1094842
Chloromethane	U		0.000432	0.00288	1	04/07/2018 01:04	WG1094842
2-Chlorotoluene	U		0.000347	0.00115	1	04/07/2018 01:04	WG1094842
4-Chlorotoluene	U		0.000276	0.00115	1	04/07/2018 01:04	WG1094842
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	04/07/2018 01:04	WG1094842
1,2-Dibromoethane	U		0.000395	0.00115	1	04/07/2018 01:04	WG1094842
Dibromomethane	U		0.000440	0.00115	1	04/07/2018 01:04	WG1094842
1,2-Dichlorobenzene	U		0.000351	0.00115	1	04/07/2018 01:04	WG1094842
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/07/2018 01:04	WG1094842
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/07/2018 01:04	WG1094842
Dichlorodifluoromethane	U		0.000821	0.00576	1	04/07/2018 01:04	WG1094842
1,1-Dichloroethane	U		0.000229	0.00115	1	04/07/2018 01:04	WG1094842
1,2-Dichloroethane	U		0.000305	0.00115	1	04/07/2018 01:04	WG1094842
1,1-Dichloroethene	U		0.000349	0.00115	1	04/07/2018 01:04	WG1094842
cis-1,2-Dichloroethene	0.000439 J	J	0.000271	0.00115	1	04/07/2018 01:04	WG1094842
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	04/07/2018 01:04	WG1094842
1,2-Dichloropropane	U		0.000412	0.00115	1	04/07/2018 01:04	WG1094842
1,1-Dichloropropene	U		0.000365	0.00115	1	04/07/2018 01:04	WG1094842
1,3-Dichloropropane	U		0.000238	0.00115	1	04/07/2018 01:04	WG1094842
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/07/2018 01:04	WG1094842
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/07/2018 01:04	WG1094842
trans-1,4-Dichloro-2-butene	U		0.000896	0.00288	1	04/07/2018 01:04	WG1094842
2,2-Dichloropropane	U		0.000321	0.00115	1	04/07/2018 01:04	WG1094842
Di-isopropyl ether	U		0.000286	0.00115	1	04/07/2018 01:04	WG1094842
Ethylbenzene	U		0.000342	0.00115	1	04/07/2018 01:04	WG1094842
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/07/2018 01:04	WG1094842
2-Hexanone	U	J3	0.00158	0.0115	1	04/07/2018 01:04	WG1094842
n-Hexane	U		0.000334	0.0115	1	04/07/2018 01:04	WG1094842
Iodomethane	U		0.00291	0.0115	1	04/07/2018 01:04	WG1094842
Isopropylbenzene	U		0.000280	0.00115	1	04/07/2018 01:04	WG1094842
p-Isopropyltoluene	U		0.000235	0.00115	1	04/07/2018 01:04	WG1094842
2-Butanone (MEK)	0.0301	J3	0.00539	0.0115	1	04/07/2018 01:04	WG1094842
Methylene Chloride	U		0.00115	0.00576	1	04/07/2018 01:04	WG1094842
4-Methyl-2-pentanone (MIBK)	U	J3	0.00216	0.0115	1	04/07/2018 01:04	WG1094842

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/07/2018 01:04	WG1094842
Naphthalene	U		0.00115	0.00576	1	04/07/2018 01:04	WG1094842
n-Propylbenzene	U		0.000237	0.00115	1	04/07/2018 01:04	WG1094842
Styrene	U		0.000269	0.00115	1	04/07/2018 01:04	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/07/2018 01:04	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	04/07/2018 01:04	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	04/07/2018 01:04	WG1094842
Tetrachloroethene	0.00754		0.000318	0.00115	1	04/09/2018 20:25	WG1094842
Toluene	U		0.000500	0.00576	1	04/07/2018 01:04	WG1094842
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/07/2018 01:04	WG1094842
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/07/2018 01:04	WG1094842
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/07/2018 01:04	WG1094842
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/07/2018 01:04	WG1094842
Trichloroethene	U		0.000321	0.00115	1	04/07/2018 01:04	WG1094842
Trichlorofluoromethane	U		0.000440	0.00576	1	04/07/2018 01:04	WG1094842
1,2,3-Trichloropropane	U		0.000853	0.00288	1	04/07/2018 01:04	WG1094842
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/07/2018 01:04	WG1094842
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/07/2018 01:04	WG1094842
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/07/2018 01:04	WG1094842
Vinyl acetate	U		0.00275	0.0115	1	04/07/2018 01:04	WG1094842
Vinyl chloride	U		0.000335	0.00115	1	04/07/2018 01:04	WG1094842
Xylenes, Total	U	J4	0.000804	0.00345	1	04/07/2018 01:04	WG1094842
(S) Toluene-d8	*101*			*80.0-120*		*04/09/2018 20:25*	WG1094842
(S) Toluene-d8	*102*			*80.0-120*		*04/07/2018 01:04*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/09/2018 20:25*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/07/2018 01:04*	WG1094842
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*04/09/2018 20:25*	WG1094842
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/07/2018 01:04*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0493 J	J	0.0109	0.0547	1	04/09/2018 20:46	WG1094842	
Acrylonitrile	U		0.00196	0.0109	1	04/07/2018 01:25	WG1094842	
Benzene	U		0.000295	0.00109	1	04/07/2018 01:25	WG1094842	
Bromobenzene	U		0.000311	0.00109	1	04/07/2018 01:25	WG1094842	
Bromodichloromethane	U		0.000278	0.00109	1	04/07/2018 01:25	WG1094842	
Bromochloromethane	U		0.000427	0.00547	1	04/07/2018 01:25	WG1094842	
Bromoform	U		0.000464	0.00109	1	04/07/2018 01:25	WG1094842	
Bromomethane	U		0.00147	0.00547	1	04/07/2018 01:25	WG1094842	
n-Butylbenzene	U		0.000282	0.00109	1	04/07/2018 01:25	WG1094842	
sec-Butylbenzene	U		0.000220	0.00109	1	04/07/2018 01:25	WG1094842	
tert-Butylbenzene	U		0.000225	0.00109	1	04/07/2018 01:25	WG1094842	
Carbon disulfide	0.000693 J	J	0.000242	0.00109	1	04/07/2018 01:25	WG1094842	
Carbon tetrachloride	U		0.000359	0.00109	1	04/07/2018 01:25	WG1094842	
Chlorobenzene	U		0.000232	0.00109	1	04/07/2018 01:25	WG1094842	
Chlorodibromomethane	U		0.000408	0.00109	1	04/07/2018 01:25	WG1094842	
Chloroethane	U		0.00103	0.00547	1	04/07/2018 01:25	WG1094842	
Chloroform	U		0.000251	0.00547	1	04/07/2018 01:25	WG1094842	
Chloromethane	U		0.000410	0.00273	1	04/07/2018 01:25	WG1094842	
2-Chlorotoluene	U		0.000329	0.00109	1	04/07/2018 01:25	WG1094842	
4-Chlorotoluene	U		0.000263	0.00109	1	04/07/2018 01:25	WG1094842	
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	04/07/2018 01:25	WG1094842	
1,2-Dibromoethane	U		0.000375	0.00109	1	04/07/2018 01:25	WG1094842	
Dibromomethane	U		0.000418	0.00109	1	04/07/2018 01:25	WG1094842	
1,2-Dichlorobenzene	U		0.000334	0.00109	1	04/07/2018 01:25	WG1094842	
1,3-Dichlorobenzene	U		0.000261	0.00109	1	04/07/2018 01:25	WG1094842	
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/07/2018 01:25	WG1094842	
Dichlorodifluoromethane	U		0.000780	0.00547	1	04/07/2018 01:25	WG1094842	
1,1-Dichloroethane	U		0.000218	0.00109	1	04/07/2018 01:25	WG1094842	
1,2-Dichloroethane	U		0.000290	0.00109	1	04/07/2018 01:25	WG1094842	
1,1-Dichloroethene	U		0.000331	0.00109	1	04/07/2018 01:25	WG1094842	
cis-1,2-Dichloroethene	0.00272		0.000257	0.00109	1	04/07/2018 01:25	WG1094842	
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	04/07/2018 01:25	WG1094842	
1,2-Dichloropropane	U		0.000392	0.00109	1	04/07/2018 01:25	WG1094842	
1,1-Dichloropropene	U		0.000347	0.00109	1	04/07/2018 01:25	WG1094842	
1,3-Dichloropropane	U		0.000226	0.00109	1	04/07/2018 01:25	WG1094842	
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	04/07/2018 01:25	WG1094842	
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/07/2018 01:25	WG1094842	
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	04/07/2018 01:25	WG1094842	
2,2-Dichloropropane	U		0.000305	0.00109	1	04/07/2018 01:25	WG1094842	
Di-isopropyl ether	U		0.000271	0.00109	1	04/07/2018 01:25	WG1094842	
Ethylbenzene	U		0.000325	0.00109	1	04/07/2018 01:25	WG1094842	
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	04/07/2018 01:25	WG1094842	
2-Hexanone	U	J3	0.00150	0.0109	1	04/07/2018 01:25	WG1094842	
n-Hexane	U		0.000317	0.0109	1	04/07/2018 01:25	WG1094842	
Iodomethane	U		0.00277	0.0109	1	04/07/2018 01:25	WG1094842	
Isopropylbenzene	U		0.000266	0.00109	1	04/07/2018 01:25	WG1094842	
p-Isopropyltoluene	U		0.000223	0.00109	1	04/07/2018 01:25	WG1094842	
2-Butanone (MEK)	0.00927 J	J J3	0.00512	0.0109	1	04/07/2018 01:25	WG1094842	
Methylene Chloride	U		0.00109	0.00547	1	04/07/2018 01:25	WG1094842	
4-Methyl-2-pentanone (MIBK)	U	J3	0.00206	0.0109	1	04/07/2018 01:25	WG1094842	JC 4/25/18

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/07/2018 01:25	WG1094842
Naphthalene	U		0.00109	0.00547	1	04/07/2018 01:25	WG1094842
n-Propylbenzene	U		0.000225	0.00109	1	04/07/2018 01:25	WG1094842
Styrene	U		0.000256	0.00109	1	04/07/2018 01:25	WG1094842
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	04/07/2018 01:25	WG1094842
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/07/2018 01:25	WG1094842
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/07/2018 01:25	WG1094842
Tetrachloroethene	0.0298		0.000302	0.00109	1	04/09/2018 20:46	WG1094842
Toluene	U		0.000475	0.00547	1	04/07/2018 01:25	WG1094842
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	04/07/2018 01:25	WG1094842
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	04/07/2018 01:25	WG1094842
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/07/2018 01:25	WG1094842
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/07/2018 01:25	WG1094842
Trichloroethene	0.00181		0.000305	0.00109	1	04/07/2018 01:25	WG1094842
Trichlorofluoromethane	U		0.000418	0.00547	1	04/07/2018 01:25	WG1094842
1,2,3-Trichloropropane	U		0.000811	0.00273	1	04/07/2018 01:25	WG1094842
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/07/2018 01:25	WG1094842
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/07/2018 01:25	WG1094842
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/07/2018 01:25	WG1094842
Vinyl acetate	U		0.00261	0.0109	1	04/07/2018 01:25	WG1094842
Vinyl chloride	0.000782	J	0.000318	0.00109	1	04/07/2018 01:25	WG1094842
Xylenes, Total	U	J4	0.000764	0.00328	1	04/07/2018 01:25	WG1094842
(S) Toluene-d8	*99.5*			*80.0-120*		*04/07/2018 01:25*	WG1094842
(S) Toluene-d8	*98.9*			*80.0-120*		*04/09/2018 20:46*	WG1094842
(S) Dibromofluoromethane	*106*			*74.0-131*		*04/07/2018 01:25*	WG1094842
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/09/2018 20:46*	WG1094842
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*04/07/2018 01:25*	WG1094842
(S) 4-Bromofluorobenzene	*95.4*			*64.0-132*		*04/09/2018 20:46*	WG1094842

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0116	0.0578	1	04/07/2018 01:47	WG1094858
Acrylonitrile	U			0.00207	0.0116	1	04/07/2018 01:47	WG1094858
Benzene	U			0.000312	0.00116	1	04/07/2018 01:47	WG1094858
Bromobenzene	U	UJ	J0 J4	0.000328	0.00116	1	04/07/2018 01:47	WG1094858
Bromodichloromethane	U			0.000294	0.00116	1	04/07/2018 01:47	WG1094858
Bromochloromethane	U			0.000451	0.00578	1	04/07/2018 01:47	WG1094858
Bromoform	U	UJ	J0	0.000490	0.00116	1	04/07/2018 01:47	WG1094858
Bromomethane	U			0.00155	0.00578	1	04/07/2018 01:47	WG1094858
n-Butylbenzene	U			0.000298	0.00116	1	04/07/2018 01:47	WG1094858
sec-Butylbenzene	U			0.000232	0.00116	1	04/07/2018 01:47	WG1094858
tert-Butylbenzene	U			0.000238	0.00116	1	04/07/2018 01:47	WG1094858
Carbon disulfide	U			0.000256	0.00116	1	04/07/2018 01:47	WG1094858
Carbon tetrachloride	U			0.000379	0.00116	1	04/07/2018 01:47	WG1094858
Chlorobenzene	U			0.000245	0.00116	1	04/07/2018 01:47	WG1094858
Chlorodibromomethane	U			0.000431	0.00116	1	04/07/2018 01:47	WG1094858
Chloroethane	U			0.00109	0.00578	1	04/07/2018 01:47	WG1094858
Chloroform	U			0.000265	0.00578	1	04/07/2018 01:47	WG1094858
Chloromethane	U			0.000434	0.00289	1	04/07/2018 01:47	WG1094858
2-Chlorotoluene	U			0.000348	0.00116	1	04/07/2018 01:47	WG1094858
4-Chlorotoluene	U			0.000278	0.00116	1	04/07/2018 01:47	WG1094858
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00121	0.00578	1	04/07/2018 01:47	WG1094858
1,2-Dibromoethane	U			0.000397	0.00116	1	04/07/2018 01:47	WG1094858
Dibromomethane	U			0.000442	0.00116	1	04/07/2018 01:47	WG1094858
1,2-Dichlorobenzene	U			0.000353	0.00116	1	04/07/2018 01:47	WG1094858
1,3-Dichlorobenzene	U			0.000276	0.00116	1	04/07/2018 01:47	WG1094858
1,4-Dichlorobenzene	U			0.000261	0.00116	1	04/07/2018 01:47	WG1094858
Dichlorodifluoromethane	U			0.000825	0.00578	1	04/07/2018 01:47	WG1094858
1,1-Dichloroethane	U			0.000230	0.00116	1	04/07/2018 01:47	WG1094858
1,2-Dichloroethane	U			0.000306	0.00116	1	04/07/2018 01:47	WG1094858
1,1-Dichloroethene	U			0.000350	0.00116	1	04/07/2018 01:47	WG1094858
cis-1,2-Dichloroethene	U			0.000272	0.00116	1	04/07/2018 01:47	WG1094858
trans-1,2-Dichloroethene	U			0.000305	0.00116	1	04/07/2018 01:47	WG1094858
1,2-Dichloropropane	U			0.000414	0.00116	1	04/07/2018 01:47	WG1094858
1,1-Dichloropropene	U			0.000367	0.00116	1	04/07/2018 01:47	WG1094858
1,3-Dichloropropane	U			0.000239	0.00116	1	04/07/2018 01:47	WG1094858
cis-1,3-Dichloropropene	U			0.000303	0.00116	1	04/07/2018 01:47	WG1094858
trans-1,3-Dichloropropene	U			0.000309	0.00116	1	04/07/2018 01:47	WG1094858
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000900	0.00289	1	04/07/2018 01:47	WG1094858
2,2-Dichloropropane	U			0.000323	0.00116	1	04/07/2018 01:47	WG1094858
Di-isopropyl ether	U			0.000287	0.00116	1	04/07/2018 01:47	WG1094858
Ethylbenzene	U			0.000344	0.00116	1	04/07/2018 01:47	WG1094858
Hexachloro-1,3-butadiene	U			0.000396	0.00116	1	04/07/2018 01:47	WG1094858
2-Hexanone	U	UJ	J0	0.00158	0.0116	1	04/07/2018 01:47	WG1094858
n-Hexane	U			0.000335	0.0116	1	04/07/2018 01:47	WG1094858
Iodomethane	U			0.00293	0.0116	1	04/07/2018 01:47	WG1094858
Isopropylbenzene	U			0.000281	0.00116	1	04/07/2018 01:47	WG1094858
p-Isopropyltoluene	U			0.000236	0.00116	1	04/07/2018 01:47	WG1094858
2-Butanone (MEK)	U	UJ	J0	0.00541	0.0116	1	04/07/2018 01:47	WG1094858
Methylene Chloride	U			0.00116	0.00578	1	04/07/2018 01:47	WG1094858
4-Methyl-2-pentanone (MIBK)	U			0.00217	0.0116	1	04/07/2018 01:47	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/07/2018 01:47	WG1094858
Naphthalene	U		0.00116	0.00578	1	04/07/2018 01:47	WG1094858
n-Propylbenzene	U		0.000238	0.00116	1	04/07/2018 01:47	WG1094858
Styrene	U	UJ J0	0.000271	0.00116	1	04/07/2018 01:47	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/07/2018 01:47	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/07/2018 01:47	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/07/2018 01:47	WG1094858
Tetrachloroethene	0.00909		0.000319	0.00116	1	04/07/2018 01:47	WG1094858
Toluene	U		0.000502	0.00578	1	04/07/2018 01:47	WG1094858
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/07/2018 01:47	WG1094858
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/07/2018 01:47	WG1094858
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/07/2018 01:47	WG1094858
1,1,2-Trichloroethane	U		0.000320	0.00116	1	04/07/2018 01:47	WG1094858
Trichloroethene	U		0.000323	0.00116	1	04/07/2018 01:47	WG1094858
Trichlorofluoromethane	U		0.000442	0.00578	1	04/07/2018 01:47	WG1094858
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/07/2018 01:47	WG1094858
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/07/2018 01:47	WG1094858
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/07/2018 01:47	WG1094858
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/07/2018 01:47	WG1094858
Vinyl acetate	U	UJ J0	0.00276	0.0116	1	04/07/2018 01:47	WG1094858
Vinyl chloride	U		0.000337	0.00116	1	04/07/2018 01:47	WG1094858
Xylenes, Total	U		0.000807	0.00347	1	04/07/2018 01:47	WG1094858
(S) Toluene-d8	*97.6*			*80.0-120*		*04/07/2018 01:47*	WG1094858
(S) Dibromofluoromethane	*119*			*74.0-131*		*04/07/2018 01:47*	WG1094858
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*04/07/2018 01:47*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	04/09/2018 16:13	WG1095652

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	0.0119	J	J J0	0.0112	0.0560	1	04/07/2018 02:09	WG1094858	
Acrylonitrile	U			0.00200	0.0112	1	04/07/2018 02:09	WG1094858	
Benzene	U			0.000302	0.00112	1	04/07/2018 02:09	WG1094858	
Bromobenzene	U	UJ	J0 J4	0.000318	0.00112	1	04/07/2018 02:09	WG1094858	
Bromodichloromethane	U			0.000284	0.00112	1	04/07/2018 02:09	WG1094858	
Bromochloromethane	U			0.000437	0.00560	1	04/07/2018 02:09	WG1094858	
Bromoform	U	UJ	J0	0.000475	0.00112	1	04/07/2018 02:09	WG1094858	
Bromomethane	U			0.00150	0.00560	1	04/07/2018 02:09	WG1094858	
n-Butylbenzene	U			0.000289	0.00112	1	04/07/2018 02:09	WG1094858	
sec-Butylbenzene	U			0.000225	0.00112	1	04/07/2018 02:09	WG1094858	
tert-Butylbenzene	U			0.000231	0.00112	1	04/07/2018 02:09	WG1094858	
Carbon disulfide	U			0.000247	0.00112	1	04/07/2018 02:09	WG1094858	
Carbon tetrachloride	U			0.000367	0.00112	1	04/07/2018 02:09	WG1094858	
Chlorobenzene	U			0.000237	0.00112	1	04/07/2018 02:09	WG1094858	
Chlorodibromomethane	U			0.000418	0.00112	1	04/07/2018 02:09	WG1094858	
Chloroethane	U			0.00106	0.00560	1	04/07/2018 02:09	WG1094858	
Chloroform	U			0.000256	0.00560	1	04/07/2018 02:09	WG1094858	
Chloromethane	U			0.000420	0.00280	1	04/07/2018 02:09	WG1094858	
2-Chlorotoluene	U			0.000337	0.00112	1	04/07/2018 02:09	WG1094858	
4-Chlorotoluene	U			0.000269	0.00112	1	04/07/2018 02:09	WG1094858	
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00118	0.00560	1	04/07/2018 02:09	WG1094858	
1,2-Dibromoethane	U			0.000384	0.00112	1	04/07/2018 02:09	WG1094858	
Dibromomethane	U			0.000428	0.00112	1	04/07/2018 02:09	WG1094858	
1,2-Dichlorobenzene	U			0.000342	0.00112	1	04/07/2018 02:09	WG1094858	
1,3-Dichlorobenzene	U			0.000268	0.00112	1	04/07/2018 02:09	WG1094858	
1,4-Dichlorobenzene	U			0.000253	0.00112	1	04/07/2018 02:09	WG1094858	
Dichlorodifluoromethane	U			0.000798	0.00560	1	04/07/2018 02:09	WG1094858	
1,1-Dichloroethane	U			0.000223	0.00112	1	04/07/2018 02:09	WG1094858	
1,2-Dichloroethane	U			0.000297	0.00112	1	04/07/2018 02:09	WG1094858	JC 4/25/18
1,1-Dichloroethene	U			0.000339	0.00112	1	04/07/2018 02:09	WG1094858	
cis-1,2-Dichloroethene	U			0.000263	0.00112	1	04/07/2018 02:09	WG1094858	
trans-1,2-Dichloroethene	U			0.000296	0.00112	1	04/07/2018 02:09	WG1094858	
1,2-Dichloropropane	U			0.000401	0.00112	1	04/07/2018 02:09	WG1094858	
1,1-Dichloropropene	U			0.000355	0.00112	1	04/07/2018 02:09	WG1094858	
1,3-Dichloropropane	U			0.000232	0.00112	1	04/07/2018 02:09	WG1094858	
cis-1,3-Dichloropropene	U			0.000293	0.00112	1	04/07/2018 02:09	WG1094858	
trans-1,3-Dichloropropene	U			0.000299	0.00112	1	04/07/2018 02:09	WG1094858	
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000871	0.00280	1	04/07/2018 02:09	WG1094858	
2,2-Dichloropropane	U			0.000312	0.00112	1	04/07/2018 02:09	WG1094858	
Di-isopropyl ether	U			0.000278	0.00112	1	04/07/2018 02:09	WG1094858	
Ethylbenzene	U			0.000333	0.00112	1	04/07/2018 02:09	WG1094858	
Hexachloro-1,3-butadiene	U			0.000383	0.00112	1	04/07/2018 02:09	WG1094858	
2-Hexanone	U	UJ	J0	0.00153	0.0112	1	04/07/2018 02:09	WG1094858	
n-Hexane	U			0.000325	0.0112	1	04/07/2018 02:09	WG1094858	
Iodomethane	U			0.00283	0.0112	1	04/07/2018 02:09	WG1094858	
Isopropylbenzene	U			0.000272	0.00112	1	04/07/2018 02:09	WG1094858	
p-Isopropyltoluene	U			0.000228	0.00112	1	04/07/2018 02:09	WG1094858	
2-Butanone (MEK)	U	UJ	J0	0.00524	0.0112	1	04/07/2018 02:09	WG1094858	
Methylene Chloride	U			0.00112	0.00560	1	04/07/2018 02:09	WG1094858	
4-Methyl-2-pentanone (MIBK)	U			0.00211	0.0112	1	04/07/2018 02:09	WG1094858	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/07/2018 02:09	WG1094858	
Naphthalene	U		0.00112	0.00560	1	04/07/2018 02:09	WG1094858	
n-Propylbenzene	U		0.000231	0.00112	1	04/07/2018 02:09	WG1094858	
Styrene	U	UJ J0	0.000262	0.00112	1	04/07/2018 02:09	WG1094858	
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/07/2018 02:09	WG1094858	
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/07/2018 02:09	WG1094858	
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/07/2018 02:09	WG1094858	
Tetrachloroethene	0.0273		0.000309	0.00112	1	04/07/2018 02:09	WG1094858	
Toluene	U		0.000486	0.00560	1	04/07/2018 02:09	WG1094858	JC 4/25/18
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/07/2018 02:09	WG1094858	
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/07/2018 02:09	WG1094858	
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/07/2018 02:09	WG1094858	
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/07/2018 02:09	WG1094858	
Trichloroethene	U		0.000312	0.00112	1	04/07/2018 02:09	WG1094858	
Trichlorofluoromethane	U		0.000428	0.00560	1	04/07/2018 02:09	WG1094858	
1,2,3-Trichloropropane	U		0.000830	0.00280	1	04/07/2018 02:09	WG1094858	
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/07/2018 02:09	WG1094858	
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/07/2018 02:09	WG1094858	
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 02:09	WG1094858	
Vinyl acetate	U	UJ J0	0.00268	0.0112	1	04/07/2018 02:09	WG1094858	
Vinyl chloride	U		0.000326	0.00112	1	04/07/2018 02:09	WG1094858	
Xylenes, Total	U		0.000782	0.00336	1	04/07/2018 02:09	WG1094858	
(S) Toluene-d8	*96.8*			*80.0-120*		*04/07/2018 02:09*	WG1094858	
(S) Dibromofluoromethane	*124*			*74.0-131*		*04/07/2018 02:09*	WG1094858	
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*04/07/2018 02:09*	WG1094858	

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0110	0.0549	1	04/07/2018 02:30	WG1094858
Acrylonitrile	U			0.00197	0.0110	1	04/07/2018 02:30	WG1094858
Benzene	U			0.000297	0.00110	1	04/07/2018 02:30	WG1094858
Bromobenzene	U	UJ	J0 J4	0.000312	0.00110	1	04/07/2018 02:30	WG1094858
Bromodichloromethane	U			0.000279	0.00110	1	04/07/2018 02:30	WG1094858
Bromochloromethane	U			0.000428	0.00549	1	04/07/2018 02:30	WG1094858
Bromoform	U	UJ	J0	0.000466	0.00110	1	04/07/2018 02:30	WG1094858
Bromomethane	U			0.00147	0.00549	1	04/07/2018 02:30	WG1094858
n-Butylbenzene	U			0.000283	0.00110	1	04/07/2018 02:30	WG1094858
sec-Butylbenzene	U			0.000221	0.00110	1	04/07/2018 02:30	WG1094858
tert-Butylbenzene	U			0.000226	0.00110	1	04/07/2018 02:30	WG1094858
Carbon disulfide	U			0.000243	0.00110	1	04/07/2018 02:30	WG1094858
Carbon tetrachloride	U			0.000360	0.00110	1	04/07/2018 02:30	WG1094858
Chlorobenzene	U			0.000233	0.00110	1	04/07/2018 02:30	WG1094858
Chlorodibromomethane	U			0.000410	0.00110	1	04/07/2018 02:30	WG1094858
Chloroethane	U			0.00104	0.00549	1	04/07/2018 02:30	WG1094858
Chloroform	U			0.000252	0.00549	1	04/07/2018 02:30	WG1094858
Chloromethane	U			0.000412	0.00275	1	04/07/2018 02:30	WG1094858
2-Chlorotoluene	U			0.000331	0.00110	1	04/07/2018 02:30	WG1094858
4-Chlorotoluene	U			0.000264	0.00110	1	04/07/2018 02:30	WG1094858
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00115	0.00549	1	04/07/2018 02:30	WG1094858
1,2-Dibromoethane	U			0.000377	0.00110	1	04/07/2018 02:30	WG1094858
Dibromomethane	U			0.000420	0.00110	1	04/07/2018 02:30	WG1094858
1,2-Dichlorobenzene	U			0.000335	0.00110	1	04/07/2018 02:30	WG1094858
1,3-Dichlorobenzene	U			0.000263	0.00110	1	04/07/2018 02:30	WG1094858
1,4-Dichlorobenzene	U			0.000248	0.00110	1	04/07/2018 02:30	WG1094858
Dichlorodifluoromethane	U			0.000783	0.00549	1	04/07/2018 02:30	WG1094858
1,1-Dichloroethane	U			0.000219	0.00110	1	04/07/2018 02:30	WG1094858
1,2-Dichloroethane	U			0.000291	0.00110	1	04/07/2018 02:30	WG1094858
1,1-Dichloroethene	U			0.000333	0.00110	1	04/07/2018 02:30	WG1094858
cis-1,2-Dichloroethene	U			0.000258	0.00110	1	04/07/2018 02:30	WG1094858
trans-1,2-Dichloroethene	U			0.000290	0.00110	1	04/07/2018 02:30	WG1094858
1,2-Dichloropropane	U			0.000393	0.00110	1	04/07/2018 02:30	WG1094858
1,1-Dichloropropene	U			0.000348	0.00110	1	04/07/2018 02:30	WG1094858
1,3-Dichloropropane	U			0.000227	0.00110	1	04/07/2018 02:30	WG1094858
cis-1,3-Dichloropropene	U			0.000288	0.00110	1	04/07/2018 02:30	WG1094858
trans-1,3-Dichloropropene	U			0.000293	0.00110	1	04/07/2018 02:30	WG1094858
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000855	0.00275	1	04/07/2018 02:30	WG1094858
2,2-Dichloropropane	U			0.000306	0.00110	1	04/07/2018 02:30	WG1094858
Di-isopropyl ether	U			0.000272	0.00110	1	04/07/2018 02:30	WG1094858
Ethylbenzene	U			0.000326	0.00110	1	04/07/2018 02:30	WG1094858
Hexachloro-1,3-butadiene	U			0.000376	0.00110	1	04/07/2018 02:30	WG1094858
2-Hexanone	U	UJ	J0	0.00150	0.0110	1	04/07/2018 02:30	WG1094858
n-Hexane	U			0.000319	0.0110	1	04/07/2018 02:30	WG1094858
Iodomethane	U			0.00278	0.0110	1	04/07/2018 02:30	WG1094858
Isopropylbenzene	U			0.000267	0.00110	1	04/07/2018 02:30	WG1094858
p-Isopropyltoluene	U			0.000224	0.00110	1	04/07/2018 02:30	WG1094858
2-Butanone (MEK)	U	UJ	J0	0.00514	0.0110	1	04/07/2018 02:30	WG1094858
Methylene Chloride	U			0.00110	0.00549	1	04/07/2018 02:30	WG1094858
4-Methyl-2-pentanone (MIBK)	U			0.00206	0.0110	1	04/07/2018 02:30	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/07/2018 02:30	WG1094858
Naphthalene	U		0.00110	0.00549	1	04/07/2018 02:30	WG1094858
n-Propylbenzene	U		0.000226	0.00110	1	04/07/2018 02:30	WG1094858
Styrene	U	UJ J0	0.000257	0.00110	1	04/07/2018 02:30	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/07/2018 02:30	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	04/07/2018 02:30	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	04/07/2018 02:30	WG1094858
Tetrachloroethene	0.0300		0.000303	0.00110	1	04/07/2018 02:30	WG1094858
Toluene	U		0.000477	0.00549	1	04/07/2018 02:30	WG1094858
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/07/2018 02:30	WG1094858
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/07/2018 02:30	WG1094858
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/07/2018 02:30	WG1094858
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/07/2018 02:30	WG1094858
Trichloroethene	U		0.000306	0.00110	1	04/07/2018 02:30	WG1094858
Trichlorofluoromethane	U		0.000420	0.00549	1	04/07/2018 02:30	WG1094858
1,2,3-Trichloropropane	U		0.000814	0.00275	1	04/07/2018 02:30	WG1094858
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/07/2018 02:30	WG1094858
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/07/2018 02:30	WG1094858
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/07/2018 02:30	WG1094858
Vinyl acetate	U	UJ J0	0.00263	0.0110	1	04/07/2018 02:30	WG1094858
Vinyl chloride	U		0.000320	0.00110	1	04/07/2018 02:30	WG1094858
Xylenes, Total	U		0.000767	0.00330	1	04/07/2018 02:30	WG1094858
(S) Toluene-d8	*97.6*			*80.0-120*		*04/07/2018 02:30*	WG1094858
(S) Dibromofluoromethane	*116*			*74.0-131*		*04/07/2018 02:30*	WG1094858
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*04/07/2018 02:30*	WG1094858

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0110	0.0551	1	04/07/2018 02:51	WG1094858
Acrylonitrile	U		0.00197	0.0110	1	04/07/2018 02:51	WG1094858
Benzene	U		0.000298	0.00110	1	04/07/2018 02:51	WG1094858
Bromobenzene	U UJ	J0 J4	0.000313	0.00110	1	04/07/2018 02:51	WG1094858
Bromodichloromethane	U		0.000280	0.00110	1	04/07/2018 02:51	WG1094858
Bromochloromethane	U		0.000430	0.00551	1	04/07/2018 02:51	WG1094858
Bromoform	U UJ	J0	0.000468	0.00110	1	04/07/2018 02:51	WG1094858
Bromomethane	U		0.00148	0.00551	1	04/07/2018 02:51	WG1094858
n-Butylbenzene	U		0.000285	0.00110	1	04/07/2018 02:51	WG1094858
sec-Butylbenzene	U		0.000222	0.00110	1	04/07/2018 02:51	WG1094858
tert-Butylbenzene	U		0.000227	0.00110	1	04/07/2018 02:51	WG1094858
Carbon disulfide	0.000248 J	J	0.000244	0.00110	1	04/07/2018 02:51	WG1094858
Carbon tetrachloride	U		0.000362	0.00110	1	04/07/2018 02:51	WG1094858
Chlorobenzene	U		0.000234	0.00110	1	04/07/2018 02:51	WG1094858
Chlorodibromomethane	U		0.000411	0.00110	1	04/07/2018 02:51	WG1094858
Chloroethane	U		0.00104	0.00551	1	04/07/2018 02:51	WG1094858
Chloroform	U		0.000253	0.00551	1	04/07/2018 02:51	WG1094858
Chloromethane	U		0.000414	0.00276	1	04/07/2018 02:51	WG1094858
2-Chlorotoluene	U		0.000332	0.00110	1	04/07/2018 02:51	WG1094858
4-Chlorotoluene	U		0.000265	0.00110	1	04/07/2018 02:51	WG1094858
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00116	0.00551	1	04/07/2018 02:51	WG1094858
1,2-Dibromoethane	U		0.000378	0.00110	1	04/07/2018 02:51	WG1094858
Dibromomethane	U		0.000421	0.00110	1	04/07/2018 02:51	WG1094858
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/07/2018 02:51	WG1094858
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/07/2018 02:51	WG1094858
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/07/2018 02:51	WG1094858
Dichlorodifluoromethane	U		0.000786	0.00551	1	04/07/2018 02:51	WG1094858
1,1-Dichloroethane	U		0.000219	0.00110	1	04/07/2018 02:51	WG1094858
1,2-Dichloroethane	U		0.000292	0.00110	1	04/07/2018 02:51	WG1094858
1,1-Dichloroethene	U		0.000334	0.00110	1	04/07/2018 02:51	WG1094858
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	04/07/2018 02:51	WG1094858
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/07/2018 02:51	WG1094858
1,2-Dichloropropane	U		0.000395	0.00110	1	04/07/2018 02:51	WG1094858
1,1-Dichloropropene	U		0.000350	0.00110	1	04/07/2018 02:51	WG1094858
1,3-Dichloropropane	U		0.000228	0.00110	1	04/07/2018 02:51	WG1094858
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/07/2018 02:51	WG1094858
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/07/2018 02:51	WG1094858
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000858	0.00276	1	04/07/2018 02:51	WG1094858
2,2-Dichloropropane	U		0.000308	0.00110	1	04/07/2018 02:51	WG1094858
Di-isopropyl ether	U		0.000274	0.00110	1	04/07/2018 02:51	WG1094858
Ethylbenzene	U		0.000328	0.00110	1	04/07/2018 02:51	WG1094858
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/07/2018 02:51	WG1094858
2-Hexanone	U UJ	J0	0.00151	0.0110	1	04/07/2018 02:51	WG1094858
n-Hexane	U		0.000320	0.0110	1	04/07/2018 02:51	WG1094858
Iodomethane	U		0.00279	0.0110	1	04/07/2018 02:51	WG1094858
Isopropylbenzene	U		0.000268	0.00110	1	04/07/2018 02:51	WG1094858
p-Isopropyltoluene	U		0.000225	0.00110	1	04/07/2018 02:51	WG1094858
2-Butanone (MEK)	U UJ	J0	0.00516	0.0110	1	04/07/2018 02:51	WG1094858
Methylene Chloride	U		0.00110	0.00551	1	04/07/2018 02:51	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/07/2018 02:51	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/07/2018 02:51	WG1094858
Naphthalene	U		0.00110	0.00551	1	04/07/2018 02:51	WG1094858
n-Propylbenzene	U		0.000227	0.00110	1	04/07/2018 02:51	WG1094858
Styrene	U	UJ J0	0.000258	0.00110	1	04/07/2018 02:51	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/07/2018 02:51	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/07/2018 02:51	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/07/2018 02:51	WG1094858
Tetrachloroethene	0.0303		0.000304	0.00110	1	04/07/2018 02:51	WG1094858
Toluene	U		0.000479	0.00551	1	04/07/2018 02:51	WG1094858
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/07/2018 02:51	WG1094858
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/07/2018 02:51	WG1094858
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/07/2018 02:51	WG1094858
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/07/2018 02:51	WG1094858
Trichloroethene	U		0.000308	0.00110	1	04/07/2018 02:51	WG1094858
Trichlorofluoromethane	U		0.000421	0.00551	1	04/07/2018 02:51	WG1094858
1,2,3-Trichloropropane	U		0.000817	0.00276	1	04/07/2018 02:51	WG1094858
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/07/2018 02:51	WG1094858
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/07/2018 02:51	WG1094858
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/07/2018 02:51	WG1094858
Vinyl acetate	U	UJ J0	0.00264	0.0110	1	04/07/2018 02:51	WG1094858
Vinyl chloride	U		0.000321	0.00110	1	04/07/2018 02:51	WG1094858
Xylenes, Total	U		0.000770	0.00331	1	04/07/2018 02:51	WG1094858
(S) Toluene-d8	*94.3*			*80.0-120*		*04/07/2018 02:51*	WG1094858
(S) Dibromofluoromethane	*125*			*74.0-131*		*04/07/2018 02:51*	WG1094858
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/07/2018 02:51*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0108	0.0541	1	04/07/2018 03:13	WG1094858
Acrylonitrile	U			0.00194	0.0108	1	04/07/2018 03:13	WG1094858
Benzene	U			0.000292	0.00108	1	04/07/2018 03:13	WG1094858
Bromobenzene	U	UJ	J0 J4	0.000308	0.00108	1	04/07/2018 03:13	WG1094858
Bromodichloromethane	U			0.000275	0.00108	1	04/07/2018 03:13	WG1094858
Bromochloromethane	U			0.000422	0.00541	1	04/07/2018 03:13	WG1094858
Bromoform	U		J0	0.000459	0.00108	1	04/07/2018 03:13	WG1094858
Bromomethane	U			0.00145	0.00541	1	04/07/2018 03:13	WG1094858
n-Butylbenzene	U			0.000279	0.00108	1	04/07/2018 03:13	WG1094858
sec-Butylbenzene	U			0.000218	0.00108	1	04/07/2018 03:13	WG1094858
tert-Butylbenzene	U			0.000223	0.00108	1	04/07/2018 03:13	WG1094858
Carbon disulfide	0.000320	J	J	0.000239	0.00108	1	04/07/2018 03:13	WG1094858
Carbon tetrachloride	U			0.000355	0.00108	1	04/07/2018 03:13	WG1094858
Chlorobenzene	U			0.000230	0.00108	1	04/07/2018 03:13	WG1094858
Chlorodibromomethane	U			0.000404	0.00108	1	04/07/2018 03:13	WG1094858
Chloroethane	U			0.00102	0.00541	1	04/07/2018 03:13	WG1094858
Chloroform	U			0.000248	0.00541	1	04/07/2018 03:13	WG1094858
Chloromethane	U			0.000406	0.00271	1	04/07/2018 03:13	WG1094858
2-Chlorotoluene	U			0.000326	0.00108	1	04/07/2018 03:13	WG1094858
4-Chlorotoluene	U			0.000260	0.00108	1	04/07/2018 03:13	WG1094858
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00114	0.00541	1	04/07/2018 03:13	WG1094858
1,2-Dibromoethane	U			0.000371	0.00108	1	04/07/2018 03:13	WG1094858
Dibromomethane	U			0.000414	0.00108	1	04/07/2018 03:13	WG1094858
1,2-Dichlorobenzene	U			0.000330	0.00108	1	04/07/2018 03:13	WG1094858
1,3-Dichlorobenzene	U			0.000259	0.00108	1	04/07/2018 03:13	WG1094858
1,4-Dichlorobenzene	U			0.000245	0.00108	1	04/07/2018 03:13	WG1094858
Dichlorodifluoromethane	U			0.000772	0.00541	1	04/07/2018 03:13	WG1094858
1,1-Dichloroethane	U			0.000216	0.00108	1	04/07/2018 03:13	WG1094858
1,2-Dichloroethane	U			0.000287	0.00108	1	04/07/2018 03:13	WG1094858
1,1-Dichloroethene	U			0.000328	0.00108	1	04/07/2018 03:13	WG1094858
cis-1,2-Dichloroethene	U			0.000254	0.00108	1	04/07/2018 03:13	WG1094858
trans-1,2-Dichloroethene	U			0.000286	0.00108	1	04/07/2018 03:13	WG1094858
1,2-Dichloropropane	U			0.000388	0.00108	1	04/07/2018 03:13	WG1094858
1,1-Dichloropropene	U			0.000343	0.00108	1	04/07/2018 03:13	WG1094858
1,3-Dichloropropane	U			0.000224	0.00108	1	04/07/2018 03:13	WG1094858
cis-1,3-Dichloropropene	U			0.000284	0.00108	1	04/07/2018 03:13	WG1094858
trans-1,3-Dichloropropene	U			0.000289	0.00108	1	04/07/2018 03:13	WG1094858
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000843	0.00271	1	04/07/2018 03:13	WG1094858
2,2-Dichloropropane	U			0.000302	0.00108	1	04/07/2018 03:13	WG1094858
Di-isopropyl ether	U			0.000269	0.00108	1	04/07/2018 03:13	WG1094858
Ethylbenzene	U			0.000322	0.00108	1	04/07/2018 03:13	WG1094858
Hexachloro-1,3-butadiene	U			0.000370	0.00108	1	04/07/2018 03:13	WG1094858
2-Hexanone	U	UJ	J0	0.00148	0.0108	1	04/07/2018 03:13	WG1094858
n-Hexane	U			0.000314	0.0108	1	04/07/2018 03:13	WG1094858
Iodomethane	U			0.00274	0.0108	1	04/07/2018 03:13	WG1094858
Isopropylbenzene	U			0.000263	0.00108	1	04/07/2018 03:13	WG1094858
p-Isopropyltoluene	U			0.000221	0.00108	1	04/07/2018 03:13	WG1094858
2-Butanone (MEK)	U	UJ	J0	0.00507	0.0108	1	04/07/2018 03:13	WG1094858
Methylene Chloride	U			0.00108	0.00541	1	04/07/2018 03:13	WG1094858
4-Methyl-2-pentanone (MIBK)	U			0.00204	0.0108	1	04/07/2018 03:13	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	04/07/2018 03:13	WG1094858
Naphthalene	U		0.00108	0.00541	1	04/07/2018 03:13	WG1094858
n-Propylbenzene	U		0.000223	0.00108	1	04/07/2018 03:13	WG1094858
Styrene	U	UJ J0	0.000253	0.00108	1	04/07/2018 03:13	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/07/2018 03:13	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/07/2018 03:13	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/07/2018 03:13	WG1094858
Tetrachloroethene	0.00172		0.000299	0.00108	1	04/07/2018 03:13	WG1094858
Toluene	U		0.000470	0.00541	1	04/07/2018 03:13	WG1094858
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/07/2018 03:13	WG1094858
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/07/2018 03:13	WG1094858
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/07/2018 03:13	WG1094858
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/07/2018 03:13	WG1094858
Trichloroethene	U		0.000302	0.00108	1	04/07/2018 03:13	WG1094858
Trichlorofluoromethane	U		0.000414	0.00541	1	04/07/2018 03:13	WG1094858
1,2,3-Trichloropropane	U		0.000802	0.00271	1	04/07/2018 03:13	WG1094858
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/07/2018 03:13	WG1094858
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/07/2018 03:13	WG1094858
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/07/2018 03:13	WG1094858
Vinyl acetate	U	UJ J0	0.00259	0.0108	1	04/07/2018 03:13	WG1094858
Vinyl chloride	U		0.000315	0.00108	1	04/07/2018 03:13	WG1094858
Xylenes, Total	U		0.000756	0.00325	1	04/07/2018 03:13	WG1094858
(S) Toluene-d8	*97.2*			*80.0-120*		*04/07/2018 03:13*	WG1094858
(S) Dibromofluoromethane	*125*			*74.0-131*		*04/07/2018 03:13*	WG1094858
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*04/07/2018 03:13*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0115	0.0573	1	04/07/2018 03:34	WG1094858	
Acrylonitrile	U			0.00205	0.0115	1	04/07/2018 03:34	WG1094858	
Benzene	U			0.000309	0.00115	1	04/07/2018 03:34	WG1094858	
Bromobenzene	U	UJ	J0 J4	0.000325	0.00115	1	04/07/2018 03:34	WG1094858	
Bromodichloromethane	U			0.000291	0.00115	1	04/07/2018 03:34	WG1094858	
Bromochloromethane	U			0.000447	0.00573	1	04/07/2018 03:34	WG1094858	
Bromoform	U	UJ	J0	0.000486	0.00115	1	04/07/2018 03:34	WG1094858	
Bromomethane	U			0.00153	0.00573	1	04/07/2018 03:34	WG1094858	
n-Butylbenzene	U			0.000296	0.00115	1	04/07/2018 03:34	WG1094858	
sec-Butylbenzene	U			0.000230	0.00115	1	04/07/2018 03:34	WG1094858	
tert-Butylbenzene	U			0.000236	0.00115	1	04/07/2018 03:34	WG1094858	
Carbon disulfide	U			0.000253	0.00115	1	04/07/2018 03:34	WG1094858	
Carbon tetrachloride	U			0.000376	0.00115	1	04/07/2018 03:34	WG1094858	
Chlorobenzene	U			0.000243	0.00115	1	04/07/2018 03:34	WG1094858	
Chlorodibromomethane	U			0.000427	0.00115	1	04/07/2018 03:34	WG1094858	
Chloroethane	U			0.00108	0.00573	1	04/07/2018 03:34	WG1094858	
Chloroform	U			0.000262	0.00573	1	04/07/2018 03:34	WG1094858	
Chloromethane	U			0.000430	0.00286	1	04/07/2018 03:34	WG1094858	
2-Chlorotoluene	U			0.000345	0.00115	1	04/07/2018 03:34	WG1094858	
4-Chlorotoluene	U			0.000275	0.00115	1	04/07/2018 03:34	WG1094858	
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00120	0.00573	1	04/07/2018 03:34	WG1094858	
1,2-Dibromoethane	U			0.000393	0.00115	1	04/07/2018 03:34	WG1094858	
Dibromomethane	U			0.000438	0.00115	1	04/07/2018 03:34	WG1094858	
1,2-Dichlorobenzene	U			0.000349	0.00115	1	04/07/2018 03:34	WG1094858	
1,3-Dichlorobenzene	U			0.000274	0.00115	1	04/07/2018 03:34	WG1094858	
1,4-Dichlorobenzene	U			0.000259	0.00115	1	04/07/2018 03:34	WG1094858	
Dichlorodifluoromethane	U			0.000817	0.00573	1	04/07/2018 03:34	WG1094858	
1,1-Dichloroethane	U			0.000228	0.00115	1	04/07/2018 03:34	WG1094858	
1,2-Dichloroethane	U			0.000304	0.00115	1	04/07/2018 03:34	WG1094858	
1,1-Dichloroethene	U			0.000347	0.00115	1	04/07/2018 03:34	WG1094858	
cis-1,2-Dichloroethene	U			0.000269	0.00115	1	04/07/2018 03:34	WG1094858	
trans-1,2-Dichloroethene	U			0.000302	0.00115	1	04/07/2018 03:34	WG1094858	
1,2-Dichloropropane	U			0.000410	0.00115	1	04/07/2018 03:34	WG1094858	
1,1-Dichloropropene	U			0.000363	0.00115	1	04/07/2018 03:34	WG1094858	
1,3-Dichloropropane	U			0.000237	0.00115	1	04/07/2018 03:34	WG1094858	
cis-1,3-Dichloropropene	U			0.000300	0.00115	1	04/07/2018 03:34	WG1094858	
trans-1,3-Dichloropropene	U			0.000306	0.00115	1	04/07/2018 03:34	WG1094858	
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000891	0.00286	1	04/07/2018 03:34	WG1094858	
2,2-Dichloropropane	U			0.000320	0.00115	1	04/07/2018 03:34	WG1094858	
Di-isopropyl ether	U			0.000284	0.00115	1	04/07/2018 03:34	WG1094858	
Ethylbenzene	U			0.000340	0.00115	1	04/07/2018 03:34	WG1094858	
Hexachloro-1,3-butadiene	U			0.000392	0.00115	1	04/07/2018 03:34	WG1094858	
2-Hexanone	U	UJ	J0	0.00157	0.0115	1	04/07/2018 03:34	WG1094858	
n-Hexane	U			0.000332	0.0115	1	04/07/2018 03:34	WG1094858	
Iodomethane	U			0.00290	0.0115	1	04/07/2018 03:34	WG1094858	JC 4/25/18
Isopropylbenzene	U			0.000278	0.00115	1	04/07/2018 03:34	WG1094858	
p-Isopropyltoluene	U			0.000234	0.00115	1	04/07/2018 03:34	WG1094858	
2-Butanone (MEK)	U	UJ	J0	0.00536	0.0115	1	04/07/2018 03:34	WG1094858	
Methylene Chloride	U			0.00115	0.00573	1	04/07/2018 03:34	WG1094858	
4-Methyl-2-pentanone (MIBK)	U			0.00215	0.0115	1	04/07/2018 03:34	WG1094858	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/07/2018 03:34	WG1094858
Naphthalene	U		0.00115	0.00573	1	04/07/2018 03:34	WG1094858
n-Propylbenzene	U		0.000236	0.00115	1	04/07/2018 03:34	WG1094858
Styrene	U	UJ J0	0.000268	0.00115	1	04/07/2018 03:34	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	04/07/2018 03:34	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	04/07/2018 03:34	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	04/07/2018 03:34	WG1094858
Tetrachloroethene	U		0.000316	0.00115	1	04/07/2018 03:34	WG1094858
Toluene	U		0.000497	0.00573	1	04/07/2018 03:34	WG1094858
1,2,3-Trichlorobenzene	U		0.000350	0.00115	1	04/07/2018 03:34	WG1094858
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	04/07/2018 03:34	WG1094858
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/07/2018 03:34	WG1094858
1,1,2-Trichloroethane	U		0.000317	0.00115	1	04/07/2018 03:34	WG1094858
Trichloroethene	U		0.000320	0.00115	1	04/07/2018 03:34	WG1094858
Trichlorofluoromethane	U		0.000438	0.00573	1	04/07/2018 03:34	WG1094858
1,2,3-Trichloropropane	U		0.000849	0.00286	1	04/07/2018 03:34	WG1094858
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/07/2018 03:34	WG1094858
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/07/2018 03:34	WG1094858
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/07/2018 03:34	WG1094858
Vinyl acetate	U	UJ J0	0.00274	0.0115	1	04/07/2018 03:34	WG1094858
Vinyl chloride	U		0.000333	0.00115	1	04/07/2018 03:34	WG1094858
Xylenes, Total	U		0.000799	0.00344	1	04/07/2018 03:34	WG1094858
(S) Toluene-d8	*96.0*			*80.0-120*		*04/07/2018 03:34*	WG1094858
(S) Dibromofluoromethane	*127*			*74.0-131*		*04/07/2018 03:34*	WG1094858
(S) 4-Bromofluorobenzene	*97.7*			*64.0-132*		*04/07/2018 03:34*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0111	0.0555	1	04/07/2018 03:56	WG1094858
Acrylonitrile	U		0.00199	0.0111	1	04/07/2018 03:56	WG1094858
Benzene	U		0.000300	0.00111	1	04/07/2018 03:56	WG1094858
Bromobenzene	U UJ	J0 J4	0.000315	0.00111	1	04/07/2018 03:56	WG1094858
Bromodichloromethane	U		0.000282	0.00111	1	04/07/2018 03:56	WG1094858
Bromochloromethane	U		0.000433	0.00555	1	04/07/2018 03:56	WG1094858
Bromoform	U UJ	J0	0.000470	0.00111	1	04/07/2018 03:56	WG1094858
Bromomethane	U		0.00149	0.00555	1	04/07/2018 03:56	WG1094858
n-Butylbenzene	U		0.000286	0.00111	1	04/07/2018 03:56	WG1094858
sec-Butylbenzene	U		0.000223	0.00111	1	04/07/2018 03:56	WG1094858
tert-Butylbenzene	U		0.000229	0.00111	1	04/07/2018 03:56	WG1094858
Carbon disulfide	0.00136 J+		0.000245	0.00111	1	04/07/2018 03:56	WG1094858
Carbon tetrachloride	U		0.000364	0.00111	1	04/07/2018 03:56	WG1094858
Chlorobenzene	U		0.000235	0.00111	1	04/07/2018 03:56	WG1094858
Chlorodibromomethane	U		0.000414	0.00111	1	04/07/2018 03:56	WG1094858
Chloroethane	U		0.00105	0.00555	1	04/07/2018 03:56	WG1094858
Chloroform	U		0.000254	0.00555	1	04/07/2018 03:56	WG1094858
Chloromethane	0.00349 J+		0.000416	0.00277	1	04/07/2018 03:56	WG1094858
2-Chlorotoluene	U		0.000334	0.00111	1	04/07/2018 03:56	WG1094858
4-Chlorotoluene	U		0.000266	0.00111	1	04/07/2018 03:56	WG1094858
1,2-Dibromo-3-Chloropropane	U UJ	J0	0.00116	0.00555	1	04/07/2018 03:56	WG1094858
1,2-Dibromoethane	U		0.000380	0.00111	1	04/07/2018 03:56	WG1094858
Dibromomethane	U		0.000424	0.00111	1	04/07/2018 03:56	WG1094858
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/07/2018 03:56	WG1094858
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/07/2018 03:56	WG1094858
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/07/2018 03:56	WG1094858
Dichlorodifluoromethane	U		0.000791	0.00555	1	04/07/2018 03:56	WG1094858
1,1-Dichloroethane	U		0.000221	0.00111	1	04/07/2018 03:56	WG1094858
1,2-Dichloroethane	U		0.000294	0.00111	1	04/07/2018 03:56	WG1094858
1,1-Dichloroethene	U		0.000336	0.00111	1	04/07/2018 03:56	WG1094858
cis-1,2-Dichloroethene	0.00118 J+		0.000261	0.00111	1	04/07/2018 03:56	WG1094858
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/07/2018 03:56	WG1094858
1,2-Dichloropropane	U		0.000397	0.00111	1	04/07/2018 03:56	WG1094858
1,1-Dichloropropene	U		0.000352	0.00111	1	04/07/2018 03:56	WG1094858
1,3-Dichloropropane	U		0.000230	0.00111	1	04/07/2018 03:56	WG1094858
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/07/2018 03:56	WG1094858
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/07/2018 03:56	WG1094858
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000863	0.00277	1	04/07/2018 03:56	WG1094858
2,2-Dichloropropane	U		0.000309	0.00111	1	04/07/2018 03:56	WG1094858
Di-isopropyl ether	U		0.000275	0.00111	1	04/07/2018 03:56	WG1094858
Ethylbenzene	U		0.000329	0.00111	1	04/07/2018 03:56	WG1094858
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/07/2018 03:56	WG1094858
2-Hexanone	U UJ	J0	0.00152	0.0111	1	04/07/2018 03:56	WG1094858
n-Hexane	U		0.000322	0.0111	1	04/07/2018 03:56	WG1094858
Iodomethane	U		0.00281	0.0111	1	04/07/2018 03:56	WG1094858
Isopropylbenzene	U		0.000270	0.00111	1	04/07/2018 03:56	WG1094858
p-Isopropyltoluene	U		0.000226	0.00111	1	04/07/2018 03:56	WG1094858
2-Butanone (MEK)	U UJ	J0	0.00519	0.0111	1	04/07/2018 03:56	WG1094858
Methylene Chloride	U		0.00111	0.00555	1	04/07/2018 03:56	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/07/2018 03:56	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/07/2018 03:56	WG1094858
Naphthalene	U		0.00111	0.00555	1	04/07/2018 03:56	WG1094858
n-Propylbenzene	U		0.000229	0.00111	1	04/07/2018 03:56	WG1094858
Styrene	U	UJ J0	0.000260	0.00111	1	04/07/2018 03:56	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/07/2018 03:56	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	04/07/2018 03:56	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	04/07/2018 03:56	WG1094858
Tetrachloroethene	0.0478	J+	0.000306	0.00111	1	04/07/2018 03:56	WG1094858
Toluene	U		0.000481	0.00555	1	04/07/2018 03:56	WG1094858
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/07/2018 03:56	WG1094858
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/07/2018 03:56	WG1094858
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/07/2018 03:56	WG1094858
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/07/2018 03:56	WG1094858
Trichloroethene	0.000770	J + J	0.000309	0.00111	1	04/07/2018 03:56	WG1094858
Trichlorofluoromethane	U		0.000424	0.00555	1	04/07/2018 03:56	WG1094858
1,2,3-Trichloropropane	U		0.000822	0.00277	1	04/07/2018 03:56	WG1094858
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/07/2018 03:56	WG1094858
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/07/2018 03:56	WG1094858
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/07/2018 03:56	WG1094858
Vinyl acetate	U	UJ J0	0.00265	0.0111	1	04/07/2018 03:56	WG1094858
Vinyl chloride	U		0.000323	0.00111	1	04/07/2018 03:56	WG1094858
Xylenes, Total	U		0.000774	0.00333	1	04/07/2018 03:56	WG1094858
(S) Toluene-d8	*95.9*			*80.0-120*		*04/07/2018 03:56*	WG1094858
(S) Dibromofluoromethane	*132*	J1		*74.0-131*		*04/07/2018 03:56*	WG1094858
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*		*04/07/2018 03:56*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U	UJ J0	0.0116	0.0579	1	04/07/2018 04:17	WG1094858	
Acrylonitrile	U		0.00207	0.0116	1	04/07/2018 04:17	WG1094858	
Benzene	U		0.000313	0.00116	1	04/07/2018 04:17	WG1094858	
Bromobenzene	U	UJ J0 J4	0.000329	0.00116	1	04/07/2018 04:17	WG1094858	
Bromodichloromethane	U		0.000294	0.00116	1	04/07/2018 04:17	WG1094858	
Bromochloromethane	U		0.000452	0.00579	1	04/07/2018 04:17	WG1094858	
Bromoform	U	UJ J0	0.000491	0.00116	1	04/07/2018 04:17	WG1094858	
Bromomethane	U		0.00155	0.00579	1	04/07/2018 04:17	WG1094858	
n-Butylbenzene	U		0.000299	0.00116	1	04/07/2018 04:17	WG1094858	
sec-Butylbenzene	U		0.000233	0.00116	1	04/07/2018 04:17	WG1094858	
tert-Butylbenzene	U		0.000239	0.00116	1	04/07/2018 04:17	WG1094858	
Carbon disulfide	U		0.000256	0.00116	1	04/07/2018 04:17	WG1094858	
Carbon tetrachloride	U		0.000380	0.00116	1	04/07/2018 04:17	WG1094858	
Chlorobenzene	U		0.000246	0.00116	1	04/07/2018 04:17	WG1094858	
Chlorodibromomethane	U		0.000432	0.00116	1	04/07/2018 04:17	WG1094858	
Chloroethane	U		0.00110	0.00579	1	04/07/2018 04:17	WG1094858	
Chloroform	U		0.000265	0.00579	1	04/07/2018 04:17	WG1094858	
Chloromethane	U		0.000434	0.00290	1	04/07/2018 04:17	WG1094858	
2-Chlorotoluene	U		0.000349	0.00116	1	04/07/2018 04:17	WG1094858	
4-Chlorotoluene	U		0.000278	0.00116	1	04/07/2018 04:17	WG1094858	
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00122	0.00579	1	04/07/2018 04:17	WG1094858	
1,2-Dibromoethane	U		0.000397	0.00116	1	04/07/2018 04:17	WG1094858	
Dibromomethane	U		0.000443	0.00116	1	04/07/2018 04:17	WG1094858	
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/07/2018 04:17	WG1094858	
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/07/2018 04:17	WG1094858	
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/07/2018 04:17	WG1094858	
Dichlorodifluoromethane	U		0.000826	0.00579	1	04/07/2018 04:17	WG1094858	
1,1-Dichloroethane	U		0.000231	0.00116	1	04/07/2018 04:17	WG1094858	
1,2-Dichloroethane	U		0.000307	0.00116	1	04/07/2018 04:17	WG1094858	
1,1-Dichloroethene	U		0.000351	0.00116	1	04/07/2018 04:17	WG1094858	
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	04/07/2018 04:17	WG1094858	
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	04/07/2018 04:17	WG1094858	
1,2-Dichloropropane	U		0.000415	0.00116	1	04/07/2018 04:17	WG1094858	
1,1-Dichloropropene	U		0.000367	0.00116	1	04/07/2018 04:17	WG1094858	
1,3-Dichloropropane	U		0.000240	0.00116	1	04/07/2018 04:17	WG1094858	
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/07/2018 04:17	WG1094858	
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/07/2018 04:17	WG1094858	
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000901	0.00290	1	04/07/2018 04:17	WG1094858	
2,2-Dichloropropane	U		0.000323	0.00116	1	04/07/2018 04:17	WG1094858	
Di-isopropyl ether	U		0.000287	0.00116	1	04/07/2018 04:17	WG1094858	
Ethylbenzene	U		0.000344	0.00116	1	04/07/2018 04:17	WG1094858	
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/07/2018 04:17	WG1094858	
2-Hexanone	U	UJ J0	0.00159	0.0116	1	04/07/2018 04:17	WG1094858	
n-Hexane	U		0.000336	0.0116	1	04/07/2018 04:17	WG1094858	
Iodomethane	U		0.00293	0.0116	1	04/07/2018 04:17	WG1094858	
Isopropylbenzene	U		0.000282	0.00116	1	04/07/2018 04:17	WG1094858	
p-Isopropyltoluene	U		0.000236	0.00116	1	04/07/2018 04:17	WG1094858	
2-Butanone (MEK)	U	UJ J0	0.00542	0.0116	1	04/07/2018 04:17	WG1094858	
Methylene Chloride	U		0.00116	0.00579	1	04/07/2018 04:17	WG1094858	JC 4/25/18
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/07/2018 04:17	WG1094858	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/07/2018 04:17	WG1094858
Naphthalene	U		0.00116	0.00579	1	04/07/2018 04:17	WG1094858
n-Propylbenzene	U		0.000239	0.00116	1	04/07/2018 04:17	WG1094858
Styrene	U	UJ J0	0.000271	0.00116	1	04/07/2018 04:17	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/07/2018 04:17	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/07/2018 04:17	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/07/2018 04:17	WG1094858
Tetrachloroethene	0.00122	J+	0.000320	0.00116	1	04/07/2018 04:17	WG1094858
Toluene	U		0.000503	0.00579	1	04/07/2018 04:17	WG1094858
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/07/2018 04:17	WG1094858
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/07/2018 04:17	WG1094858
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/07/2018 04:17	WG1094858
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/07/2018 04:17	WG1094858
Trichloroethene	U		0.000323	0.00116	1	04/07/2018 04:17	WG1094858
Trichlorofluoromethane	U		0.000443	0.00579	1	04/07/2018 04:17	WG1094858
1,2,3-Trichloropropane	U		0.000859	0.00290	1	04/07/2018 04:17	WG1094858
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/07/2018 04:17	WG1094858
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/07/2018 04:17	WG1094858
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/07/2018 04:17	WG1094858
Vinyl acetate	U	UJ J0	0.00277	0.0116	1	04/07/2018 04:17	WG1094858
Vinyl chloride	U		0.000337	0.00116	1	04/07/2018 04:17	WG1094858
Xylenes, Total	U		0.000809	0.00348	1	04/07/2018 04:17	WG1094858
(S) Toluene-d8	*96.5*			*80.0-120*		*04/07/2018 04:17*	WG1094858
(S) Dibromofluoromethane	*133*	J1		*74.0-131*		*04/07/2018 04:17*	WG1094858
(S) 4-Bromofluorobenzene	*92.1*			*64.0-132*		*04/07/2018 04:17*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	0.0113	J	J J0	0.0112	0.0561	1	04/07/2018 04:39	WG1094858
Acrylonitrile	U			0.00201	0.0112	1	04/07/2018 04:39	WG1094858
Benzene	U			0.000303	0.00112	1	04/07/2018 04:39	WG1094858
Bromobenzene	U	UJ	J0 J4	0.000319	0.00112	1	04/07/2018 04:39	WG1094858
Bromodichloromethane	U			0.000285	0.00112	1	04/07/2018 04:39	WG1094858
Bromochloromethane	U			0.000438	0.00561	1	04/07/2018 04:39	WG1094858
Bromoform	U	UJ	J0	0.000476	0.00112	1	04/07/2018 04:39	WG1094858
Bromomethane	U			0.00150	0.00561	1	04/07/2018 04:39	WG1094858
n-Butylbenzene	U			0.000289	0.00112	1	04/07/2018 04:39	WG1094858
sec-Butylbenzene	U			0.000226	0.00112	1	04/07/2018 04:39	WG1094858
tert-Butylbenzene	U			0.000231	0.00112	1	04/07/2018 04:39	WG1094858
Carbon disulfide	0.000815	J	J	0.000248	0.00112	1	04/07/2018 04:39	WG1094858
Carbon tetrachloride	U			0.000368	0.00112	1	04/07/2018 04:39	WG1094858
Chlorobenzene	U			0.000238	0.00112	1	04/07/2018 04:39	WG1094858
Chlorodibromomethane	U			0.000418	0.00112	1	04/07/2018 04:39	WG1094858
Chloroethane	U			0.00106	0.00561	1	04/07/2018 04:39	WG1094858
Chloroform	U			0.000257	0.00561	1	04/07/2018 04:39	WG1094858
Chloromethane	U			0.000421	0.00280	1	04/07/2018 04:39	WG1094858
2-Chlorotoluene	U			0.000338	0.00112	1	04/07/2018 04:39	WG1094858
4-Chlorotoluene	U			0.000269	0.00112	1	04/07/2018 04:39	WG1094858
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00118	0.00561	1	04/07/2018 04:39	WG1094858
1,2-Dibromoethane	U			0.000385	0.00112	1	04/07/2018 04:39	WG1094858
Dibromomethane	U			0.000429	0.00112	1	04/07/2018 04:39	WG1094858
1,2-Dichlorobenzene	U			0.000342	0.00112	1	04/07/2018 04:39	WG1094858
1,3-Dichlorobenzene	U			0.000268	0.00112	1	04/07/2018 04:39	WG1094858
1,4-Dichlorobenzene	U			0.000254	0.00112	1	04/07/2018 04:39	WG1094858
Dichlorodifluoromethane	U			0.000800	0.00561	1	04/07/2018 04:39	WG1094858
1,1-Dichloroethane	U			0.000223	0.00112	1	04/07/2018 04:39	WG1094858
1,2-Dichloroethane	U			0.000297	0.00112	1	04/07/2018 04:39	WG1094858
1,1-Dichloroethene	U			0.000340	0.00112	1	04/07/2018 04:39	WG1094858
cis-1,2-Dichloroethene	U			0.000264	0.00112	1	04/07/2018 04:39	WG1094858
trans-1,2-Dichloroethene	U			0.000296	0.00112	1	04/07/2018 04:39	WG1094858
1,2-Dichloropropane	U			0.000402	0.00112	1	04/07/2018 04:39	WG1094858
1,1-Dichloropropene	U			0.000356	0.00112	1	04/07/2018 04:39	WG1094858
1,3-Dichloropropane	U			0.000232	0.00112	1	04/07/2018 04:39	WG1094858
cis-1,3-Dichloropropene	U			0.000294	0.00112	1	04/07/2018 04:39	WG1094858
trans-1,3-Dichloropropene	U			0.000300	0.00112	1	04/07/2018 04:39	WG1094858
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000873	0.00280	1	04/07/2018 04:39	WG1094858
2,2-Dichloropropane	U			0.000313	0.00112	1	04/07/2018 04:39	WG1094858
Di-isopropyl ether	U			0.000278	0.00112	1	04/07/2018 04:39	WG1094858
Ethylbenzene	U			0.000333	0.00112	1	04/07/2018 04:39	WG1094858
Hexachloro-1,3-butadiene	U			0.000384	0.00112	1	04/07/2018 04:39	WG1094858
2-Hexanone	U	UJ	J0	0.00154	0.0112	1	04/07/2018 04:39	WG1094858
n-Hexane	U			0.000325	0.0112	1	04/07/2018 04:39	WG1094858
Iodomethane	U			0.00284	0.0112	1	04/07/2018 04:39	WG1094858
Isopropylbenzene	U			0.000273	0.00112	1	04/07/2018 04:39	WG1094858
p-Isopropyltoluene	U			0.000229	0.00112	1	04/07/2018 04:39	WG1094858
2-Butanone (MEK)	U	UJ	J0	0.00525	0.0112	1	04/07/2018 04:39	WG1094858
Methylene Chloride	U			0.00112	0.00561	1	04/07/2018 04:39	WG1094858
4-Methyl-2-pentanone (MIBK)	U			0.00211	0.0112	1	04/07/2018 04:39	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/07/2018 04:39	WG1094858
Naphthalene	U		0.00112	0.00561	1	04/07/2018 04:39	WG1094858
n-Propylbenzene	U		0.000231	0.00112	1	04/07/2018 04:39	WG1094858
Styrene	U	UJ J0	0.000263	0.00112	1	04/07/2018 04:39	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/07/2018 04:39	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/07/2018 04:39	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/07/2018 04:39	WG1094858
Tetrachloroethene	0.0276		0.000310	0.00112	1	04/07/2018 04:39	WG1094858
Toluene	U		0.000487	0.00561	1	04/07/2018 04:39	WG1094858
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/07/2018 04:39	WG1094858
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/07/2018 04:39	WG1094858
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/07/2018 04:39	WG1094858
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/07/2018 04:39	WG1094858
Trichloroethene	U		0.000313	0.00112	1	04/07/2018 04:39	WG1094858
Trichlorofluoromethane	U		0.000429	0.00561	1	04/07/2018 04:39	WG1094858
1,2,3-Trichloropropane	U		0.000831	0.00280	1	04/07/2018 04:39	WG1094858
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/07/2018 04:39	WG1094858
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/07/2018 04:39	WG1094858
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 04:39	WG1094858
Vinyl acetate	U	UJ J0	0.00268	0.0112	1	04/07/2018 04:39	WG1094858
Vinyl chloride	U		0.000326	0.00112	1	04/07/2018 04:39	WG1094858
Xylenes, Total	U		0.000783	0.00337	1	04/07/2018 04:39	WG1094858
(S) Toluene-d8	*99.2*			*80.0-120*		*04/07/2018 04:39*	WG1094858
(S) Dibromofluoromethane	*125*			*74.0-131*		*04/07/2018 04:39*	WG1094858
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/07/2018 04:39*	WG1094858

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		1.05	25.0	1	04/06/2018 13:19	WG1094689	
Acrylonitrile	U		0.873	5.00	1	04/06/2018 13:19	WG1094689	
Benzene	U		0.0896	0.500	1	04/06/2018 13:19	WG1094689	
Bromobenzene	U		0.133	0.500	1	04/06/2018 13:19	WG1094689	
Bromodichloromethane	U		0.0800	0.500	1	04/06/2018 13:19	WG1094689	
Bromochloromethane	U		0.145	0.500	1	04/06/2018 13:19	WG1094689	
Bromoform	U		0.186	0.500	1	04/06/2018 13:19	WG1094689	
Bromomethane	U		0.157	2.50	1	04/06/2018 13:19	WG1094689	
n-Butylbenzene	U		0.143	0.500	1	04/06/2018 13:19	WG1094689	
sec-Butylbenzene	U		0.134	0.500	1	04/06/2018 13:19	WG1094689	
tert-Butylbenzene	U		0.183	0.500	1	04/06/2018 13:19	WG1094689	
Carbon disulfide	U		0.101	0.500	1	04/06/2018 13:19	WG1094689	
Carbon tetrachloride	U		0.159	0.500	1	04/06/2018 13:19	WG1094689	
Chlorobenzene	U		0.140	0.500	1	04/06/2018 13:19	WG1094689	
Chlorodibromomethane	U		0.128	0.500	1	04/06/2018 13:19	WG1094689	
Chloroethane	U		0.141	2.50	1	04/06/2018 13:19	WG1094689	
Chloroform	U		0.0860	0.500	1	04/06/2018 13:19	WG1094689	
Chloromethane	U		0.153	1.25	1	04/06/2018 13:19	WG1094689	
2-Chlorotoluene	U		0.111	0.500	1	04/06/2018 13:19	WG1094689	
4-Chlorotoluene	U		0.0972	0.500	1	04/06/2018 13:19	WG1094689	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/06/2018 13:19	WG1094689	
1,2-Dibromoethane	U		0.193	0.500	1	04/06/2018 13:19	WG1094689	
Dibromomethane	U		0.117	0.500	1	04/06/2018 13:19	WG1094689	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/06/2018 13:19	WG1094689	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/06/2018 13:19	WG1094689	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/06/2018 13:19	WG1094689	
Dichlorodifluoromethane	U		0.127	2.50	1	04/06/2018 13:19	WG1094689	
1,1-Dichloroethane	U		0.114	0.500	1	04/06/2018 13:19	WG1094689	
1,2-Dichloroethane	U		0.108	0.500	1	04/06/2018 13:19	WG1094689	
1,1-Dichloroethene	U		0.188	0.500	1	04/06/2018 13:19	WG1094689	
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/06/2018 13:19	WG1094689	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/06/2018 13:19	WG1094689	
1,2-Dichloropropane	U		0.190	0.500	1	04/06/2018 13:19	WG1094689	
1,1-Dichloropropene	U		0.128	0.500	1	04/06/2018 13:19	WG1094689	
1,3-Dichloropropane	U		0.147	1.00	1	04/06/2018 13:19	WG1094689	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/06/2018 13:19	WG1094689	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/06/2018 13:19	WG1094689	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/06/2018 13:19	WG1094689	
2,2-Dichloropropane	U		0.0929	0.500	1	04/06/2018 13:19	WG1094689	
Di-isopropyl ether	U		0.0924	0.500	1	04/06/2018 13:19	WG1094689	
Ethylbenzene	U		0.158	0.500	1	04/06/2018 13:19	WG1094689	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2018 13:19	WG1094689	
2-Hexanone	U		0.757	5.00	1	04/06/2018 13:19	WG1094689	
n-Hexane	U		0.305	5.00	1	04/06/2018 13:19	WG1094689	
Iodomethane	U		0.377	10.0	1	04/06/2018 13:19	WG1094689	
Isopropylbenzene	U		0.126	0.500	1	04/06/2018 13:19	WG1094689	
p-Isopropyltoluene	U		0.138	0.500	1	04/06/2018 13:19	WG1094689	
2-Butanone (MEK)	U		1.28	5.00	1	04/06/2018 13:19	WG1094689	
Methylene Chloride	U		1.07	2.50	1	04/06/2018 13:19	WG1094689	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/06/2018 13:19	WG1094689	
Methyl tert-butyl ether	U		0.102	0.500	1	04/06/2018 13:19	WG1094689	
Naphthalene	U		0.174	2.50	1	04/06/2018 13:19	WG1094689	JC 4/25/18
n-Propylbenzene	U		0.162	0.500	1	04/06/2018 13:19	WG1094689	
Styrene	U		0.117	0.500	1	04/06/2018 13:19	WG1094689	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/06/2018 13:19	WG1094689	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/06/2018 13:19	WG1094689	

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/06/2018 13:19	WG1094689
Tetrachloroethene	U		0.199	0.500	1	04/06/2018 13:19	WG1094689
Toluene	U		0.412	0.500	1	04/06/2018 13:19	WG1094689
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2018 13:19	WG1094689
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/06/2018 13:19	WG1094689
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/06/2018 13:19	WG1094689
1,1,2-Trichloroethane	U		0.186	0.500	1	04/06/2018 13:19	WG1094689
Trichloroethene	U		0.153	0.500	1	04/06/2018 13:19	WG1094689
Trichlorofluoromethane	U		0.130	2.50	1	04/06/2018 13:19	WG1094689
1,2,3-Trichloropropane	U		0.247	2.50	1	04/06/2018 13:19	WG1094689
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/06/2018 13:19	WG1094689
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/06/2018 13:19	WG1094689
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/06/2018 13:19	WG1094689
Vinyl acetate	U		0.645	5.00	1	04/06/2018 13:19	WG1094689
Vinyl chloride	U		0.118	0.500	1	04/06/2018 13:19	WG1094689
Xylenes, Total	U		0.316	1.50	1	04/06/2018 13:19	WG1094689
(S) Toluene-d8	*100*			*80.0-120*		*04/06/2018 13:19*	WG1094689
(S) Dibromofluoromethane	*94.9*			*76.0-123*		*04/06/2018 13:19*	WG1094689
(S) 4-Bromofluorobenzene	*99.7*			*80.0-120*		*04/06/2018 13:19*	WG1094689

JC 4/25/18

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U	UJ J0	0.0118	0.0592	1	04/07/2018 05:00	WG1094858	
Acrylonitrile	U		0.00212	0.0118	1	04/07/2018 05:00	WG1094858	
Benzene	0.000470	J J	0.000320	0.00118	1	04/07/2018 05:00	WG1094858	
Bromobenzene	U	UJ J0 J4	0.000336	0.00118	1	04/07/2018 05:00	WG1094858	
Bromodichloromethane	U		0.000301	0.00118	1	04/07/2018 05:00	WG1094858	
Bromochloromethane	U		0.000462	0.00592	1	04/07/2018 05:00	WG1094858	
Bromoform	U	UJ J0	0.000502	0.00118	1	04/07/2018 05:00	WG1094858	
Bromomethane	U		0.00159	0.00592	1	04/07/2018 05:00	WG1094858	
n-Butylbenzene	U		0.000305	0.00118	1	04/07/2018 05:00	WG1094858	
sec-Butylbenzene	U		0.000238	0.00118	1	04/07/2018 05:00	WG1094858	
tert-Butylbenzene	U		0.000244	0.00118	1	04/07/2018 05:00	WG1094858	
Carbon disulfide	0.000849	J J	0.000262	0.00118	1	04/07/2018 05:00	WG1094858	
Carbon tetrachloride	U		0.000388	0.00118	1	04/07/2018 05:00	WG1094858	
Chlorobenzene	U		0.000251	0.00118	1	04/07/2018 05:00	WG1094858	
Chlorodibromomethane	U		0.000441	0.00118	1	04/07/2018 05:00	WG1094858	
Chloroethane	U		0.00112	0.00592	1	04/07/2018 05:00	WG1094858	
Chloroform	U		0.000271	0.00592	1	04/07/2018 05:00	WG1094858	
Chloromethane	U		0.000444	0.00296	1	04/07/2018 05:00	WG1094858	
2-Chlorotoluene	U		0.000356	0.00118	1	04/07/2018 05:00	WG1094858	
4-Chlorotoluene	U		0.000284	0.00118	1	04/07/2018 05:00	WG1094858	
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00124	0.00592	1	04/07/2018 05:00	WG1094858	
1,2-Dibromoethane	U		0.000406	0.00118	1	04/07/2018 05:00	WG1094858	
Dibromomethane	U		0.000452	0.00118	1	04/07/2018 05:00	WG1094858	
1,2-Dichlorobenzene	U		0.000361	0.00118	1	04/07/2018 05:00	WG1094858	
1,3-Dichlorobenzene	U		0.000283	0.00118	1	04/07/2018 05:00	WG1094858	
1,4-Dichlorobenzene	U		0.000267	0.00118	1	04/07/2018 05:00	WG1094858	
Dichlorodifluoromethane	U		0.000844	0.00592	1	04/07/2018 05:00	WG1094858	
1,1-Dichloroethane	U		0.000236	0.00118	1	04/07/2018 05:00	WG1094858	
1,2-Dichloroethane	U		0.000314	0.00118	1	04/07/2018 05:00	WG1094858	
1,1-Dichloroethene	0.0167		0.000359	0.00118	1	04/07/2018 05:00	WG1094858	
cis-1,2-Dichloroethene	0.0585		0.000278	0.00118	1	04/07/2018 05:00	WG1094858	
trans-1,2-Dichloroethene	0.000642	J J	0.000312	0.00118	1	04/07/2018 05:00	WG1094858	
1,2-Dichloropropane	U		0.000424	0.00118	1	04/07/2018 05:00	WG1094858	
1,1-Dichloropropene	U		0.000375	0.00118	1	04/07/2018 05:00	WG1094858	
1,3-Dichloropropane	U		0.000245	0.00118	1	04/07/2018 05:00	WG1094858	
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	04/07/2018 05:00	WG1094858	
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	04/07/2018 05:00	WG1094858	
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000921	0.00296	1	04/07/2018 05:00	WG1094858	
2,2-Dichloropropane	U		0.000330	0.00118	1	04/07/2018 05:00	WG1094858	
Di-isopropyl ether	U		0.000294	0.00118	1	04/07/2018 05:00	WG1094858	
Ethylbenzene	U		0.000352	0.00118	1	04/07/2018 05:00	WG1094858	JC 4/25/18
Hexachloro-1,3-butadiene	U		0.000405	0.00118	1	04/07/2018 05:00	WG1094858	
2-Hexanone	U	UJ J0	0.00162	0.0118	1	04/07/2018 05:00	WG1094858	
n-Hexane	0.000482	J J	0.000343	0.0118	1	04/07/2018 05:00	WG1094858	
Iodomethane	U		0.00299	0.0118	1	04/07/2018 05:00	WG1094858	
Isopropylbenzene	U		0.000288	0.00118	1	04/07/2018 05:00	WG1094858	
p-Isopropyltoluene	U		0.000241	0.00118	1	04/07/2018 05:00	WG1094858	
2-Butanone (MEK)	U	UJ J0	0.00554	0.0118	1	04/07/2018 05:00	WG1094858	
Methylene Chloride	U		0.00118	0.00592	1	04/07/2018 05:00	WG1094858	
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0118	1	04/07/2018 05:00	WG1094858	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00118	1	04/07/2018 05:00	WG1094858
Naphthalene	U		0.00118	0.00592	1	04/07/2018 05:00	WG1094858
n-Propylbenzene	U		0.000244	0.00118	1	04/07/2018 05:00	WG1094858
Styrene	U	UJ J0	0.000277	0.00118	1	04/07/2018 05:00	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	04/07/2018 05:00	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000432	0.00118	1	04/07/2018 05:00	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000432	0.00118	1	04/07/2018 05:00	WG1094858
Tetrachloroethene	17.2		0.0327	0.118	100	04/11/2018 18:12	WG1094858
Toluene	0.000883	J J	0.000514	0.00592	1	04/07/2018 05:00	WG1094858
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	04/07/2018 05:00	WG1094858
1,2,4-Trichlorobenzene	U		0.000459	0.00118	1	04/07/2018 05:00	WG1094858
1,1,1-Trichloroethane	U		0.000338	0.00118	1	04/07/2018 05:00	WG1094858
1,1,2-Trichloroethane	U		0.000328	0.00118	1	04/07/2018 05:00	WG1094858
Trichloroethene	0.699		0.0330	0.118	100	04/11/2018 18:12	WG1094858
Trichlorofluoromethane	U		0.000452	0.00592	1	04/07/2018 05:00	WG1094858
1,2,3-Trichloropropane	U		0.000877	0.00296	1	04/07/2018 05:00	WG1094858
1,2,4-Trimethylbenzene	U		0.000250	0.00118	1	04/07/2018 05:00	WG1094858
1,2,3-Trimethylbenzene	U		0.000340	0.00118	1	04/07/2018 05:00	WG1094858
1,3,5-Trimethylbenzene	U		0.000315	0.00118	1	04/07/2018 05:00	WG1094858
Vinyl acetate	U	UJ J0	0.00283	0.0118	1	04/07/2018 05:00	WG1094858
Vinyl chloride	0.0156		0.000344	0.00118	1	04/07/2018 05:00	WG1094858
Xylenes, Total	U		0.000826	0.00355	1	04/07/2018 05:00	WG1094858
(S) Toluene-d8	*109*			*80.0-120*		*04/11/2018 18:12*	WG1094858
(S) Toluene-d8	*97.7*			*80.0-120*		*04/07/2018 05:00*	WG1094858
(S) Dibromofluoromethane	*123*			*74.0-131*		*04/07/2018 05:00*	WG1094858
(S) Dibromofluoromethane	*88.8*			*74.0-131*		*04/11/2018 18:12*	WG1094858
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/11/2018 18:12*	WG1094858
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*04/07/2018 05:00*	WG1094858

JC 4/25/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U	UJ J0	0.0110	0.0549	1	04/07/2018 05:22	WG1094858	
Acrylonitrile	U		0.00196	0.0110	1	04/07/2018 05:22	WG1094858	
Benzene	U		0.000296	0.00110	1	04/07/2018 05:22	WG1094858	
Bromobenzene	U	UJ J0 J4	0.000312	0.00110	1	04/07/2018 05:22	WG1094858	
Bromodichloromethane	U		0.000279	0.00110	1	04/07/2018 05:22	WG1094858	
Bromochloromethane	U		0.000428	0.00549	1	04/07/2018 05:22	WG1094858	
Bromoform	U	UJ J0	0.000465	0.00110	1	04/07/2018 05:22	WG1094858	
Bromomethane	U		0.00147	0.00549	1	04/07/2018 05:22	WG1094858	
n-Butylbenzene	U		0.000283	0.00110	1	04/07/2018 05:22	WG1094858	
sec-Butylbenzene	U		0.000221	0.00110	1	04/07/2018 05:22	WG1094858	
tert-Butylbenzene	U		0.000226	0.00110	1	04/07/2018 05:22	WG1094858	
Carbon disulfide	0.000248	J J	0.000242	0.00110	1	04/07/2018 05:22	WG1094858	
Carbon tetrachloride	U		0.000360	0.00110	1	04/07/2018 05:22	WG1094858	
Chlorobenzene	U		0.000233	0.00110	1	04/07/2018 05:22	WG1094858	
Chlorodibromomethane	U		0.000409	0.00110	1	04/07/2018 05:22	WG1094858	
Chloroethane	U		0.00104	0.00549	1	04/07/2018 05:22	WG1094858	
Chloroform	U		0.000251	0.00549	1	04/07/2018 05:22	WG1094858	
Chloromethane	0.000804	J J	0.000411	0.00274	1	04/07/2018 05:22	WG1094858	
2-Chlorotoluene	U		0.000330	0.00110	1	04/07/2018 05:22	WG1094858	
4-Chlorotoluene	U		0.000263	0.00110	1	04/07/2018 05:22	WG1094858	
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00115	0.00549	1	04/07/2018 05:22	WG1094858	
1,2-Dibromoethane	U		0.000376	0.00110	1	04/07/2018 05:22	WG1094858	
Dibromomethane	U		0.000419	0.00110	1	04/07/2018 05:22	WG1094858	
1,2-Dichlorobenzene	U		0.000335	0.00110	1	04/07/2018 05:22	WG1094858	
1,3-Dichlorobenzene	U		0.000262	0.00110	1	04/07/2018 05:22	WG1094858	
1,4-Dichlorobenzene	U		0.000248	0.00110	1	04/07/2018 05:22	WG1094858	
Dichlorodifluoromethane	U		0.000782	0.00549	1	04/07/2018 05:22	WG1094858	
1,1-Dichloroethane	U		0.000218	0.00110	1	04/07/2018 05:22	WG1094858	
1,2-Dichloroethane	U		0.000291	0.00110	1	04/07/2018 05:22	WG1094858	
1,1-Dichloroethene	U		0.000332	0.00110	1	04/07/2018 05:22	WG1094858	
cis-1,2-Dichloroethene	0.0154		0.000258	0.00110	1	04/07/2018 05:22	WG1094858	
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	04/07/2018 05:22	WG1094858	
1,2-Dichloropropane	U		0.000393	0.00110	1	04/07/2018 05:22	WG1094858	
1,1-Dichloropropene	U		0.000348	0.00110	1	04/07/2018 05:22	WG1094858	
1,3-Dichloropropane	U		0.000227	0.00110	1	04/07/2018 05:22	WG1094858	
cis-1,3-Dichloropropene	U		0.000287	0.00110	1	04/07/2018 05:22	WG1094858	
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	04/07/2018 05:22	WG1094858	JC 4/25/18
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000854	0.00274	1	04/07/2018 05:22	WG1094858	
2,2-Dichloropropane	U		0.000306	0.00110	1	04/07/2018 05:22	WG1094858	
Di-isopropyl ether	U		0.000272	0.00110	1	04/07/2018 05:22	WG1094858	
Ethylbenzene	U		0.000326	0.00110	1	04/07/2018 05:22	WG1094858	
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	04/07/2018 05:22	WG1094858	
2-Hexanone	U	UJ J0	0.00150	0.0110	1	04/07/2018 05:22	WG1094858	
n-Hexane	U		0.000318	0.0110	1	04/07/2018 05:22	WG1094858	
Iodomethane	U		0.00278	0.0110	1	04/07/2018 05:22	WG1094858	
Isopropylbenzene	U		0.000267	0.00110	1	04/07/2018 05:22	WG1094858	
p-Isopropyltoluene	U		0.000224	0.00110	1	04/07/2018 05:22	WG1094858	
2-Butanone (MEK)	U	UJ J0	0.00514	0.0110	1	04/07/2018 05:22	WG1094858	
Methylene Chloride	U		0.00110	0.00549	1	04/07/2018 05:22	WG1094858	
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	04/07/2018 05:22	WG1094858	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/07/2018 05:22	WG1094858
Naphthalene	U		0.00110	0.00549	1	04/07/2018 05:22	WG1094858
n-Propylbenzene	U		0.000226	0.00110	1	04/07/2018 05:22	WG1094858
Styrene	U	UJ J0	0.000257	0.00110	1	04/07/2018 05:22	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/07/2018 05:22	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000400	0.00110	1	04/07/2018 05:22	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000400	0.00110	1	04/07/2018 05:22	WG1094858
Tetrachloroethene	0.00525		0.000303	0.00110	1	04/11/2018 17:01	WG1094858
Toluene	U		0.000476	0.00549	1	04/07/2018 05:22	WG1094858
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/07/2018 05:22	WG1094858
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/07/2018 05:22	WG1094858
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/07/2018 05:22	WG1094858
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/07/2018 05:22	WG1094858
Trichloroethene	0.00280		0.000306	0.00110	1	04/11/2018 17:01	WG1094858
Trichlorofluoromethane	U		0.000419	0.00549	1	04/07/2018 05:22	WG1094858
1,2,3-Trichloropropane	U		0.000813	0.00274	1	04/07/2018 05:22	WG1094858
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/07/2018 05:22	WG1094858
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/07/2018 05:22	WG1094858
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/07/2018 05:22	WG1094858
Vinyl acetate	U	UJ J0	0.00262	0.0110	1	04/07/2018 05:22	WG1094858
Vinyl chloride	0.00660		0.000319	0.00110	1	04/07/2018 05:22	WG1094858
Xylenes, Total	U		0.000766	0.00329	1	04/07/2018 05:22	WG1094858
(S) Toluene-d8	*101*			*80.0-120*		*04/11/2018 17:01*	WG1094858
(S) Toluene-d8	*95.6*			*80.0-120*		*04/07/2018 05:22*	WG1094858
(S) Dibromofluoromethane	*109*			*74.0-131*		*04/11/2018 17:01*	WG1094858
(S) Dibromofluoromethane	*127*			*74.0-131*		*04/07/2018 05:22*	WG1094858
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*04/07/2018 05:22*	WG1094858
(S) 4-Bromofluorobenzene	*99.6*			*64.0-132*		*04/11/2018 17:01*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	04/09/2018 15:57	WG1095653

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0115	0.0577	1	04/07/2018 05:43	WG1094858
Acrylonitrile	U			0.00207	0.0115	1	04/07/2018 05:43	WG1094858
Benzene	U			0.000312	0.00115	1	04/07/2018 05:43	WG1094858
Bromobenzene	U	UJ	J0 J4	0.000328	0.00115	1	04/07/2018 05:43	WG1094858
Bromodichloromethane	U			0.000293	0.00115	1	04/07/2018 05:43	WG1094858
Bromochloromethane	U			0.000450	0.00577	1	04/07/2018 05:43	WG1094858
Bromoform	U	UJ	J0	0.000489	0.00115	1	04/07/2018 05:43	WG1094858
Bromomethane	U			0.00155	0.00577	1	04/07/2018 05:43	WG1094858
n-Butylbenzene	U			0.000298	0.00115	1	04/07/2018 05:43	WG1094858
sec-Butylbenzene	U			0.000232	0.00115	1	04/07/2018 05:43	WG1094858
tert-Butylbenzene	U			0.000238	0.00115	1	04/07/2018 05:43	WG1094858
Carbon disulfide	U			0.000255	0.00115	1	04/07/2018 05:43	WG1094858
Carbon tetrachloride	U			0.000379	0.00115	1	04/07/2018 05:43	WG1094858
Chlorobenzene	U			0.000245	0.00115	1	04/07/2018 05:43	WG1094858
Chlorodibromomethane	U			0.000431	0.00115	1	04/07/2018 05:43	WG1094858
Chloroethane	U			0.00109	0.00577	1	04/07/2018 05:43	WG1094858
Chloroform	U			0.000264	0.00577	1	04/07/2018 05:43	WG1094858
Chloromethane	0.000544	J	J	0.000433	0.00289	1	04/07/2018 05:43	WG1094858
2-Chlorotoluene	U			0.000347	0.00115	1	04/07/2018 05:43	WG1094858
4-Chlorotoluene	U			0.000277	0.00115	1	04/07/2018 05:43	WG1094858
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00121	0.00577	1	04/07/2018 05:43	WG1094858
1,2-Dibromoethane	U			0.000396	0.00115	1	04/07/2018 05:43	WG1094858
Dibromomethane	U			0.000441	0.00115	1	04/07/2018 05:43	WG1094858
1,2-Dichlorobenzene	U			0.000352	0.00115	1	04/07/2018 05:43	WG1094858
1,3-Dichlorobenzene	U			0.000276	0.00115	1	04/07/2018 05:43	WG1094858
1,4-Dichlorobenzene	U			0.000261	0.00115	1	04/07/2018 05:43	WG1094858
Dichlorodifluoromethane	U			0.000823	0.00577	1	04/07/2018 05:43	WG1094858
1,1-Dichloroethane	U			0.000230	0.00115	1	04/07/2018 05:43	WG1094858
1,2-Dichloroethane	U			0.000306	0.00115	1	04/07/2018 05:43	WG1094858
1,1-Dichloroethene	U			0.000350	0.00115	1	04/07/2018 05:43	WG1094858
cis-1,2-Dichloroethene	0.0186			0.000271	0.00115	1	04/07/2018 05:43	WG1094858
trans-1,2-Dichloroethene	U			0.000305	0.00115	1	04/07/2018 05:43	WG1094858
1,2-Dichloropropane	U			0.000413	0.00115	1	04/07/2018 05:43	WG1094858
1,1-Dichloropropene	U			0.000366	0.00115	1	04/07/2018 05:43	WG1094858
1,3-Dichloropropane	U			0.000239	0.00115	1	04/07/2018 05:43	WG1094858
cis-1,3-Dichloropropene	U			0.000302	0.00115	1	04/07/2018 05:43	WG1094858
trans-1,3-Dichloropropene	U			0.000308	0.00115	1	04/07/2018 05:43	WG1094858
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000898	0.00289	1	04/07/2018 05:43	WG1094858
2,2-Dichloropropane	U			0.000322	0.00115	1	04/07/2018 05:43	WG1094858
Di-isopropyl ether	U			0.000286	0.00115	1	04/07/2018 05:43	WG1094858
Ethylbenzene	U			0.000343	0.00115	1	04/07/2018 05:43	WG1094858
Hexachloro-1,3-butadiene	U			0.000395	0.00115	1	04/07/2018 05:43	WG1094858
2-Hexanone	U	UJ	J0	0.00158	0.0115	1	04/07/2018 05:43	WG1094858
n-Hexane	U			0.000335	0.0115	1	04/07/2018 05:43	WG1094858
Iodomethane	U			0.00292	0.0115	1	04/07/2018 05:43	WG1094858
Isopropylbenzene	U			0.000281	0.00115	1	04/07/2018 05:43	WG1094858
p-Isopropyltoluene	U			0.000235	0.00115	1	04/07/2018 05:43	WG1094858
2-Butanone (MEK)	U	UJ	J0	0.00540	0.0115	1	04/07/2018 05:43	WG1094858
Methylene Chloride	U			0.00115	0.00577	1	04/07/2018 05:43	WG1094858
4-Methyl-2-pentanone (MIBK)	U			0.00217	0.0115	1	04/07/2018 05:43	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	04/07/2018 05:43	WG1094858
Naphthalene	U		0.00115	0.00577	1	04/07/2018 05:43	WG1094858
n-Propylbenzene	U		0.000238	0.00115	1	04/07/2018 05:43	WG1094858
Styrene	U	UJ J0	0.000270	0.00115	1	04/07/2018 05:43	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	04/07/2018 05:43	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/07/2018 05:43	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/07/2018 05:43	WG1094858
Tetrachloroethene	0.0301		0.000319	0.00115	1	04/11/2018 17:20	WG1094858
Toluene	U		0.000501	0.00577	1	04/07/2018 05:43	WG1094858
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/07/2018 05:43	WG1094858
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	04/07/2018 05:43	WG1094858
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/07/2018 05:43	WG1094858
1,1,2-Trichloroethane	U		0.000320	0.00115	1	04/07/2018 05:43	WG1094858
Trichloroethene	0.00161		0.000322	0.00115	1	04/11/2018 17:20	WG1094858
Trichlorofluoromethane	U		0.000441	0.00577	1	04/07/2018 05:43	WG1094858
1,2,3-Trichloropropane	U		0.000855	0.00289	1	04/07/2018 05:43	WG1094858
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	04/07/2018 05:43	WG1094858
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/07/2018 05:43	WG1094858
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/07/2018 05:43	WG1094858
Vinyl acetate	U	UJ J0	0.00276	0.0115	1	04/07/2018 05:43	WG1094858
Vinyl chloride	0.00422		0.000336	0.00115	1	04/07/2018 05:43	WG1094858
Xylenes, Total	U		0.000806	0.00346	1	04/07/2018 05:43	WG1094858
(S) Toluene-d8	*103*			*80.0-120*		*04/11/2018 17:20*	WG1094858
(S) Toluene-d8	*97.0*			*80.0-120*		*04/07/2018 05:43*	WG1094858
(S) Dibromofluoromethane	*117*			*74.0-131*		*04/11/2018 17:20*	WG1094858
(S) Dibromofluoromethane	*124*			*74.0-131*		*04/07/2018 05:43*	WG1094858
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*04/11/2018 17:20*	WG1094858
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*04/07/2018 05:43*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	UJ J0	0.0112	0.0561	1	04/07/2018 06:05	WG1094858
Acrylonitrile	U		0.00201	0.0112	1	04/07/2018 06:05	WG1094858
Benzene	U		0.000303	0.00112	1	04/07/2018 06:05	WG1094858
Bromobenzene	U	UJ J0 J4	0.000319	0.00112	1	04/07/2018 06:05	WG1094858
Bromodichloromethane	U		0.000285	0.00112	1	04/07/2018 06:05	WG1094858
Bromochloromethane	U		0.000437	0.00561	1	04/07/2018 06:05	WG1094858
Bromoform	U	UJ J0	0.000476	0.00112	1	04/07/2018 06:05	WG1094858
Bromomethane	U		0.00150	0.00561	1	04/07/2018 06:05	WG1094858
n-Butylbenzene	U		0.000289	0.00112	1	04/07/2018 06:05	WG1094858
sec-Butylbenzene	U		0.000225	0.00112	1	04/07/2018 06:05	WG1094858
tert-Butylbenzene	U		0.000231	0.00112	1	04/07/2018 06:05	WG1094858
Carbon disulfide	U		0.000248	0.00112	1	04/07/2018 06:05	WG1094858
Carbon tetrachloride	U		0.000368	0.00112	1	04/07/2018 06:05	WG1094858
Chlorobenzene	U		0.000238	0.00112	1	04/07/2018 06:05	WG1094858
Chlorodibromomethane	U		0.000418	0.00112	1	04/07/2018 06:05	WG1094858
Chloroethane	0.0124		0.00106	0.00561	1	04/07/2018 06:05	WG1094858
Chloroform	U		0.000257	0.00561	1	04/07/2018 06:05	WG1094858
Chloromethane	U		0.000421	0.00280	1	04/07/2018 06:05	WG1094858
2-Chlorotoluene	U		0.000338	0.00112	1	04/07/2018 06:05	WG1094858
4-Chlorotoluene	U		0.000269	0.00112	1	04/07/2018 06:05	WG1094858
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00118	0.00561	1	04/07/2018 06:05	WG1094858
1,2-Dibromoethane	U		0.000385	0.00112	1	04/07/2018 06:05	WG1094858
Dibromomethane	U		0.000428	0.00112	1	04/07/2018 06:05	WG1094858
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/07/2018 06:05	WG1094858
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/07/2018 06:05	WG1094858
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/07/2018 06:05	WG1094858
Dichlorodifluoromethane	U		0.000800	0.00561	1	04/07/2018 06:05	WG1094858
1,1-Dichloroethane	U		0.000223	0.00112	1	04/07/2018 06:05	WG1094858
1,2-Dichloroethane	U		0.000297	0.00112	1	04/07/2018 06:05	WG1094858
1,1-Dichloroethene	0.00371		0.000340	0.00112	1	04/07/2018 06:05	WG1094858
cis-1,2-Dichloroethene	0.469		0.00659	0.0280	25	04/11/2018 18:33	WG1094858
trans-1,2-Dichloroethene	0.00315		0.000296	0.00112	1	04/07/2018 06:05	WG1094858
1,2-Dichloropropane	U		0.000402	0.00112	1	04/07/2018 06:05	WG1094858
1,1-Dichloropropene	U		0.000356	0.00112	1	04/07/2018 06:05	WG1094858
1,3-Dichloropropane	U		0.000232	0.00112	1	04/07/2018 06:05	WG1094858
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/07/2018 06:05	WG1094858
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/07/2018 06:05	WG1094858
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000873	0.00280	1	04/07/2018 06:05	WG1094858
2,2-Dichloropropane	U		0.000313	0.00112	1	04/07/2018 06:05	WG1094858
Di-isopropyl ether	U		0.000278	0.00112	1	04/07/2018 06:05	WG1094858
Ethylbenzene	U		0.000333	0.00112	1	04/07/2018 06:05	WG1094858
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/07/2018 06:05	WG1094858
2-Hexanone	U	UJ J0	0.00154	0.0112	1	04/07/2018 06:05	WG1094858
n-Hexane	U		0.000325	0.0112	1	04/07/2018 06:05	WG1094858
Iodomethane	U		0.00284	0.0112	1	04/07/2018 06:05	WG1094858
Isopropylbenzene	U		0.000273	0.00112	1	04/07/2018 06:05	WG1094858
p-Isopropyltoluene	U		0.000229	0.00112	1	04/07/2018 06:05	WG1094858
2-Butanone (MEK)	U	UJ J0	0.00525	0.0112	1	04/07/2018 06:05	WG1094858
Methylene Chloride	U		0.00112	0.00561	1	04/07/2018 06:05	WG1094858
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/07/2018 06:05	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/07/2018 06:05	WG1094858
Naphthalene	U		0.00112	0.00561	1	04/07/2018 06:05	WG1094858
n-Propylbenzene	U		0.000231	0.00112	1	04/07/2018 06:05	WG1094858
Styrene	U	UJ J0	0.000262	0.00112	1	04/07/2018 06:05	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/07/2018 06:05	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/07/2018 06:05	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/07/2018 06:05	WG1094858
Tetrachloroethene	0.0422		0.000310	0.00112	1	04/07/2018 06:05	WG1094858
Toluene	U		0.000487	0.00561	1	04/07/2018 06:05	WG1094858
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/07/2018 06:05	WG1094858
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/07/2018 06:05	WG1094858
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/07/2018 06:05	WG1094858
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/07/2018 06:05	WG1094858
Trichloroethene	0.0721		0.000313	0.00112	1	04/07/2018 06:05	WG1094858
Trichlorofluoromethane	U		0.000428	0.00561	1	04/07/2018 06:05	WG1094858
1,2,3-Trichloropropane	U		0.000831	0.00280	1	04/07/2018 06:05	WG1094858
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/07/2018 06:05	WG1094858
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/07/2018 06:05	WG1094858
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 06:05	WG1094858
Vinyl acetate	U	UJ J0	0.00268	0.0112	1	04/07/2018 06:05	WG1094858
Vinyl chloride	0.107		0.00817	0.0280	25	04/11/2018 18:33	WG1094858
Xylenes, Total	U		0.000783	0.00336	1	04/07/2018 06:05	WG1094858
(S) Toluene-d8	*95.5*			*80.0-120*		*04/07/2018 06:05*	WG1094858
(S) Toluene-d8	*111*			*80.0-120*		*04/11/2018 18:33*	WG1094858
(S) Dibromofluoromethane	*131*			*74.0-131*		*04/07/2018 06:05*	WG1094858
(S) Dibromofluoromethane	*93.7*			*74.0-131*		*04/11/2018 18:33*	WG1094858
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/11/2018 18:33*	WG1094858
(S) 4-Bromofluorobenzene	*90.5*			*64.0-132*		*04/07/2018 06:05*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0112	0.0560	1	04/07/2018 06:26	WG1094858	
Acrylonitrile	U			0.00200	0.0112	1	04/07/2018 06:26	WG1094858	
Benzene	U			0.000302	0.00112	1	04/07/2018 06:26	WG1094858	
Bromobenzene	U	UJ	J0 J4	0.000318	0.00112	1	04/07/2018 06:26	WG1094858	
Bromodichloromethane	U			0.000284	0.00112	1	04/07/2018 06:26	WG1094858	
Bromochloromethane	U			0.000437	0.00560	1	04/07/2018 06:26	WG1094858	
Bromoform	U		J0	0.000475	0.00112	1	04/07/2018 06:26	WG1094858	
Bromomethane	U			0.00150	0.00560	1	04/07/2018 06:26	WG1094858	
n-Butylbenzene	U			0.000289	0.00112	1	04/07/2018 06:26	WG1094858	
sec-Butylbenzene	U			0.000225	0.00112	1	04/07/2018 06:26	WG1094858	
tert-Butylbenzene	U			0.000231	0.00112	1	04/07/2018 06:26	WG1094858	
Carbon disulfide	U			0.000247	0.00112	1	04/07/2018 06:26	WG1094858	
Carbon tetrachloride	U			0.000367	0.00112	1	04/07/2018 06:26	WG1094858	
Chlorobenzene	U			0.000237	0.00112	1	04/07/2018 06:26	WG1094858	
Chlorodibromomethane	U			0.000418	0.00112	1	04/07/2018 06:26	WG1094858	
Chloroethane	U			0.00106	0.00560	1	04/07/2018 06:26	WG1094858	
Chloroform	U			0.000256	0.00560	1	04/07/2018 06:26	WG1094858	
Chloromethane	U			0.000420	0.00280	1	04/07/2018 06:26	WG1094858	
2-Chlorotoluene	U			0.000337	0.00112	1	04/07/2018 06:26	WG1094858	
4-Chlorotoluene	U			0.000269	0.00112	1	04/07/2018 06:26	WG1094858	
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00118	0.00560	1	04/07/2018 06:26	WG1094858	
1,2-Dibromoethane	U			0.000384	0.00112	1	04/07/2018 06:26	WG1094858	
Dibromomethane	U			0.000428	0.00112	1	04/07/2018 06:26	WG1094858	
1,2-Dichlorobenzene	U			0.000341	0.00112	1	04/07/2018 06:26	WG1094858	
1,3-Dichlorobenzene	U			0.000268	0.00112	1	04/07/2018 06:26	WG1094858	
1,4-Dichlorobenzene	U			0.000253	0.00112	1	04/07/2018 06:26	WG1094858	
Dichlorodifluoromethane	U			0.000798	0.00560	1	04/07/2018 06:26	WG1094858	
1,1-Dichloroethane	U			0.000223	0.00112	1	04/07/2018 06:26	WG1094858	
1,2-Dichloroethane	U			0.000297	0.00112	1	04/07/2018 06:26	WG1094858	
1,1-Dichloroethene	U			0.000339	0.00112	1	04/07/2018 06:26	WG1094858	
cis-1,2-Dichloroethene	0.00708			0.000263	0.00112	1	04/11/2018 17:40	WG1094858	
trans-1,2-Dichloroethene	U			0.000296	0.00112	1	04/07/2018 06:26	WG1094858	
1,2-Dichloropropane	U			0.000401	0.00112	1	04/07/2018 06:26	WG1094858	
1,1-Dichloropropene	U			0.000355	0.00112	1	04/07/2018 06:26	WG1094858	
1,3-Dichloropropane	U			0.000232	0.00112	1	04/07/2018 06:26	WG1094858	
cis-1,3-Dichloropropene	U			0.000293	0.00112	1	04/07/2018 06:26	WG1094858	
trans-1,3-Dichloropropene	U			0.000299	0.00112	1	04/07/2018 06:26	WG1094858	
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000871	0.00280	1	04/07/2018 06:26	WG1094858	
2,2-Dichloropropane	U			0.000312	0.00112	1	04/07/2018 06:26	WG1094858	
Di-isopropyl ether	U			0.000278	0.00112	1	04/07/2018 06:26	WG1094858	
Ethylbenzene	U			0.000333	0.00112	1	04/07/2018 06:26	WG1094858	
Hexachloro-1,3-butadiene	U			0.000383	0.00112	1	04/07/2018 06:26	WG1094858	
2-Hexanone	U	UJ	J0	0.00153	0.0112	1	04/07/2018 06:26	WG1094858	
n-Hexane	U			0.000325	0.0112	1	04/07/2018 06:26	WG1094858	
Iodomethane	U			0.00283	0.0112	1	04/07/2018 06:26	WG1094858	
Isopropylbenzene	U			0.000272	0.00112	1	04/07/2018 06:26	WG1094858	
p-Isopropyltoluene	U			0.000228	0.00112	1	04/07/2018 06:26	WG1094858	
2-Butanone (MEK)	U	UJ	J0	0.00524	0.0112	1	04/07/2018 06:26	WG1094858	
Methylene Chloride	U			0.00112	0.00560	1	04/07/2018 06:26	WG1094858	JC 4/25/18
4-Methyl-2-pentanone (MIBK)	U			0.00210	0.0112	1	04/07/2018 06:26	WG1094858	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/07/2018 06:26	WG1094858
Naphthalene	U		0.00112	0.00560	1	04/07/2018 06:26	WG1094858
n-Propylbenzene	U		0.000231	0.00112	1	04/07/2018 06:26	WG1094858
Styrene	U	UJ J0	0.000262	0.00112	1	04/07/2018 06:26	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/07/2018 06:26	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/07/2018 06:26	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/07/2018 06:26	WG1094858
Tetrachloroethene	0.0191		0.000309	0.00112	1	04/07/2018 06:26	WG1094858
Toluene	U		0.000486	0.00560	1	04/07/2018 06:26	WG1094858
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/07/2018 06:26	WG1094858
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/07/2018 06:26	WG1094858
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/07/2018 06:26	WG1094858
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/07/2018 06:26	WG1094858
Trichloroethene	0.00284		0.000312	0.00112	1	04/07/2018 06:26	WG1094858
Trichlorofluoromethane	U		0.000428	0.00560	1	04/07/2018 06:26	WG1094858
1,2,3-Trichloropropane	U		0.000830	0.00280	1	04/07/2018 06:26	WG1094858
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/07/2018 06:26	WG1094858
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/07/2018 06:26	WG1094858
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/07/2018 06:26	WG1094858
Vinyl acetate	U	UJ J0	0.00268	0.0112	1	04/07/2018 06:26	WG1094858
Vinyl chloride	0.00382		0.000326	0.00112	1	04/11/2018 17:40	WG1094858
Xylenes, Total	U		0.000782	0.00336	1	04/07/2018 06:26	WG1094858
(S) Toluene-d8	*95.0*			*80.0-120*		*04/07/2018 06:26*	WG1094858
(S) Toluene-d8	*101*			*80.0-120*		*04/11/2018 17:40*	WG1094858
(S) Dibromofluoromethane	*127*			*74.0-131*		*04/07/2018 06:26*	WG1094858
(S) Dibromofluoromethane	*114*			*74.0-131*		*04/11/2018 17:40*	WG1094858
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/07/2018 06:26*	WG1094858
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/11/2018 17:40*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U	UJ J0	0.0110	0.0550	1	04/07/2018 06:48	WG1094858	
Acrylonitrile	U		0.00197	0.0110	1	04/07/2018 06:48	WG1094858	
Benzene	0.000370	J + J	0.000297	0.00110	1	04/07/2018 06:48	WG1094858	
Bromobenzene	U	UJ J0 J4	0.000313	0.00110	1	04/07/2018 06:48	WG1094858	
Bromodichloromethane	U		0.000280	0.00110	1	04/07/2018 06:48	WG1094858	
Bromochloromethane	U		0.000429	0.00550	1	04/07/2018 06:48	WG1094858	
Bromoform	U	UJ J0	0.000467	0.00110	1	04/07/2018 06:48	WG1094858	
Bromomethane	U		0.00148	0.00550	1	04/07/2018 06:48	WG1094858	
n-Butylbenzene	U		0.000284	0.00110	1	04/07/2018 06:48	WG1094858	
sec-Butylbenzene	U		0.000221	0.00110	1	04/07/2018 06:48	WG1094858	
tert-Butylbenzene	U		0.000227	0.00110	1	04/07/2018 06:48	WG1094858	
Carbon disulfide	0.00101	J + J	0.000243	0.00110	1	04/07/2018 06:48	WG1094858	
Carbon tetrachloride	U		0.000361	0.00110	1	04/07/2018 06:48	WG1094858	
Chlorobenzene	U		0.000233	0.00110	1	04/07/2018 06:48	WG1094858	
Chlorodibromomethane	U		0.000411	0.00110	1	04/07/2018 06:48	WG1094858	
Chloroethane	U		0.00104	0.00550	1	04/07/2018 06:48	WG1094858	
Chloroform	U		0.000252	0.00550	1	04/07/2018 06:48	WG1094858	
Chloromethane	0.00406	J+	0.000413	0.00275	1	04/07/2018 06:48	WG1094858	
2-Chlorotoluene	U		0.000331	0.00110	1	04/07/2018 06:48	WG1094858	
4-Chlorotoluene	U		0.000264	0.00110	1	04/07/2018 06:48	WG1094858	
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00116	0.00550	1	04/07/2018 06:48	WG1094858	
1,2-Dibromoethane	U		0.000378	0.00110	1	04/07/2018 06:48	WG1094858	
Dibromomethane	U		0.000421	0.00110	1	04/07/2018 06:48	WG1094858	
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/07/2018 06:48	WG1094858	
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/07/2018 06:48	WG1094858	
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/07/2018 06:48	WG1094858	
Dichlorodifluoromethane	U		0.000785	0.00550	1	04/07/2018 06:48	WG1094858	
1,1-Dichloroethane	U		0.000219	0.00110	1	04/07/2018 06:48	WG1094858	
1,2-Dichloroethane	U		0.000292	0.00110	1	04/07/2018 06:48	WG1094858	
1,1-Dichloroethene	0.00141	J+	0.000334	0.00110	1	04/07/2018 06:48	WG1094858	
cis-1,2-Dichloroethene	1.37		0.00647	0.0275	25	04/11/2018 18:54	WG1094858	
trans-1,2-Dichloroethene	0.0398	J+	0.000291	0.00110	1	04/07/2018 06:48	WG1094858	
1,2-Dichloropropane	U		0.000394	0.00110	1	04/07/2018 06:48	WG1094858	
1,1-Dichloropropene	U		0.000349	0.00110	1	04/07/2018 06:48	WG1094858	
1,3-Dichloropropane	U		0.000228	0.00110	1	04/07/2018 06:48	WG1094858	
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/07/2018 06:48	WG1094858	
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/07/2018 06:48	WG1094858	
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000856	0.00275	1	04/07/2018 06:48	WG1094858	
2,2-Dichloropropane	U		0.000307	0.00110	1	04/07/2018 06:48	WG1094858	
Di-isopropyl ether	U		0.000273	0.00110	1	04/07/2018 06:48	WG1094858	JC 4/25/18
Ethylbenzene	U		0.000327	0.00110	1	04/07/2018 06:48	WG1094858	
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/07/2018 06:48	WG1094858	
2-Hexanone	U	UJ J0	0.00151	0.0110	1	04/07/2018 06:48	WG1094858	
n-Hexane	U		0.000319	0.0110	1	04/07/2018 06:48	WG1094858	
Iodomethane	U		0.00279	0.0110	1	04/07/2018 06:48	WG1094858	
Isopropylbenzene	U		0.000268	0.00110	1	04/07/2018 06:48	WG1094858	
p-Isopropyltoluene	U		0.000225	0.00110	1	04/07/2018 06:48	WG1094858	
2-Butanone (MEK)	U	UJ J0	0.00515	0.0110	1	04/07/2018 06:48	WG1094858	
Methylene Chloride	U		0.00110	0.00550	1	04/07/2018 06:48	WG1094858	
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/07/2018 06:48	WG1094858	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/07/2018 06:48	WG1094858
Naphthalene	U		0.00110	0.00550	1	04/07/2018 06:48	WG1094858
n-Propylbenzene	U		0.000227	0.00110	1	04/07/2018 06:48	WG1094858
Styrene	U	UJ J0	0.000258	0.00110	1	04/07/2018 06:48	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/07/2018 06:48	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/07/2018 06:48	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/07/2018 06:48	WG1094858
Tetrachloroethene	0.0263	J+	0.000304	0.00110	1	04/07/2018 06:48	WG1094858
Toluene	U		0.000478	0.00550	1	04/07/2018 06:48	WG1094858
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/07/2018 06:48	WG1094858
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/07/2018 06:48	WG1094858
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/07/2018 06:48	WG1094858
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/07/2018 06:48	WG1094858
Trichloroethene	0.00580	J+	0.000307	0.00110	1	04/07/2018 06:48	WG1094858
Trichlorofluoromethane	U		0.000421	0.00550	1	04/07/2018 06:48	WG1094858
1,2,3-Trichloropropane	U		0.000816	0.00275	1	04/07/2018 06:48	WG1094858
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/07/2018 06:48	WG1094858
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/07/2018 06:48	WG1094858
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/07/2018 06:48	WG1094858
Vinyl acetate	U	UJ J0	0.00263	0.0110	1	04/07/2018 06:48	WG1094858
Vinyl chloride	1.14		0.00801	0.0275	25	04/11/2018 18:54	WG1094858
Xylenes, Total	U		0.000768	0.00330	1	04/07/2018 06:48	WG1094858
(S) Toluene-d8	*103*			*80.0-120*		*04/11/2018 18:54*	WG1094858
(S) Toluene-d8	*95.1*			*80.0-120*		*04/07/2018 06:48*	WG1094858
(S) Dibromofluoromethane	*92.9*			*74.0-131*		*04/11/2018 18:54*	WG1094858
(S) Dibromofluoromethane	*132*	J1		*74.0-131*		*04/07/2018 06:48*	WG1094858
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*04/11/2018 18:54*	WG1094858
(S) 4-Bromofluorobenzene	*91.7*			*64.0-132*		*04/07/2018 06:48*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0143	J + J J0	0.0116	0.0579	1	04/07/2018 07:09	WG1094858	
Acrylonitrile	U		0.00207	0.0116	1	04/07/2018 07:09	WG1094858	
Benzene	U		0.000313	0.00116	1	04/07/2018 07:09	WG1094858	
Bromobenzene	U	UJ J0 J4	0.000329	0.00116	1	04/07/2018 07:09	WG1094858	
Bromodichloromethane	U		0.000294	0.00116	1	04/07/2018 07:09	WG1094858	
Bromochloromethane	U		0.000451	0.00579	1	04/07/2018 07:09	WG1094858	
Bromoform	U	UJ J0	0.000491	0.00116	1	04/07/2018 07:09	WG1094858	
Bromomethane	U		0.00155	0.00579	1	04/07/2018 07:09	WG1094858	
n-Butylbenzene	U		0.000299	0.00116	1	04/07/2018 07:09	WG1094858	
sec-Butylbenzene	U		0.000233	0.00116	1	04/07/2018 07:09	WG1094858	
tert-Butylbenzene	U		0.000238	0.00116	1	04/07/2018 07:09	WG1094858	
Carbon disulfide	0.000607	J + J	0.000256	0.00116	1	04/07/2018 07:09	WG1094858	
Carbon tetrachloride	U		0.000380	0.00116	1	04/07/2018 07:09	WG1094858	
Chlorobenzene	U		0.000245	0.00116	1	04/07/2018 07:09	WG1094858	
Chlorodibromomethane	U		0.000432	0.00116	1	04/07/2018 07:09	WG1094858	
Chloroethane	U		0.00110	0.00579	1	04/07/2018 07:09	WG1094858	
Chloroform	U		0.000265	0.00579	1	04/07/2018 07:09	WG1094858	
Chloromethane	U		0.000434	0.00289	1	04/07/2018 07:09	WG1094858	
2-Chlorotoluene	U		0.000348	0.00116	1	04/07/2018 07:09	WG1094858	
4-Chlorotoluene	U		0.000278	0.00116	1	04/07/2018 07:09	WG1094858	
1,2-Dibromo-3-Chloropropane	U	UJ J0	0.00122	0.00579	1	04/07/2018 07:09	WG1094858	
1,2-Dibromoethane	U		0.000397	0.00116	1	04/07/2018 07:09	WG1094858	
Dibromomethane	U		0.000442	0.00116	1	04/07/2018 07:09	WG1094858	
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/07/2018 07:09	WG1094858	
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/07/2018 07:09	WG1094858	
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/07/2018 07:09	WG1094858	
Dichlorodifluoromethane	U		0.000825	0.00579	1	04/07/2018 07:09	WG1094858	
1,1-Dichloroethane	U		0.000230	0.00116	1	04/07/2018 07:09	WG1094858	
1,2-Dichloroethane	U		0.000307	0.00116	1	04/07/2018 07:09	WG1094858	
1,1-Dichloroethene	U		0.000351	0.00116	1	04/07/2018 07:09	WG1094858	
cis-1,2-Dichloroethene	0.00791		0.000272	0.00116	1	04/11/2018 18:00	WG1094858	
trans-1,2-Dichloroethene	0.00103	J + J	0.000306	0.00116	1	04/07/2018 07:09	WG1094858	
1,2-Dichloropropane	U		0.000414	0.00116	1	04/07/2018 07:09	WG1094858	
1,1-Dichloropropene	U		0.000367	0.00116	1	04/07/2018 07:09	WG1094858	
1,3-Dichloropropane	U		0.000240	0.00116	1	04/07/2018 07:09	WG1094858	
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/07/2018 07:09	WG1094858	
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/07/2018 07:09	WG1094858	
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000901	0.00289	1	04/07/2018 07:09	WG1094858	
2,2-Dichloropropane	U		0.000323	0.00116	1	04/07/2018 07:09	WG1094858	
Di-isopropyl ether	U		0.000287	0.00116	1	04/07/2018 07:09	WG1094858	
Ethylbenzene	U		0.000344	0.00116	1	04/07/2018 07:09	WG1094858	
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	04/07/2018 07:09	WG1094858	
2-Hexanone	U	UJ J0	0.00159	0.0116	1	04/07/2018 07:09	WG1094858	
n-Hexane	U		0.000336	0.0116	1	04/07/2018 07:09	WG1094858	
Iodomethane	U		0.00293	0.0116	1	04/07/2018 07:09	WG1094858	
Isopropylbenzene	U		0.000281	0.00116	1	04/07/2018 07:09	WG1094858	
p-Isopropyltoluene	U		0.000236	0.00116	1	04/07/2018 07:09	WG1094858	
2-Butanone (MEK)	0.00637	J + J J0	0.00542	0.0116	1	04/07/2018 07:09	WG1094858	
Methylene Chloride	U		0.00116	0.00579	1	04/07/2018 07:09	WG1094858	JC 4/25/18
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/07/2018 07:09	WG1094858	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/07/2018 07:09	WG1094858
Naphthalene	U		0.00116	0.00579	1	04/07/2018 07:09	WG1094858
n-Propylbenzene	U		0.000238	0.00116	1	04/07/2018 07:09	WG1094858
Styrene	U	UJ J0	0.000271	0.00116	1	04/07/2018 07:09	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/07/2018 07:09	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/07/2018 07:09	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/07/2018 07:09	WG1094858
Tetrachloroethene	0.00290	J+	0.000319	0.00116	1	04/07/2018 07:09	WG1094858
Toluene	U		0.000502	0.00579	1	04/07/2018 07:09	WG1094858
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/07/2018 07:09	WG1094858
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/07/2018 07:09	WG1094858
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/07/2018 07:09	WG1094858
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/07/2018 07:09	WG1094858
Trichloroethene	0.000891	J + J	0.000323	0.00116	1	04/07/2018 07:09	WG1094858
Trichlorofluoromethane	U		0.000442	0.00579	1	04/07/2018 07:09	WG1094858
1,2,3-Trichloropropane	U		0.000858	0.00289	1	04/07/2018 07:09	WG1094858
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/07/2018 07:09	WG1094858
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/07/2018 07:09	WG1094858
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/07/2018 07:09	WG1094858
Vinyl acetate	U	UJ J0	0.00277	0.0116	1	04/07/2018 07:09	WG1094858
Vinyl chloride	0.0114		0.000337	0.00116	1	04/11/2018 18:00	WG1094858
Xylenes, Total	U		0.000808	0.00347	1	04/07/2018 07:09	WG1094858
(S) Toluene-d8	*99.5*			*80.0-120*		*04/11/2018 18:00*	WG1094858
(S) Toluene-d8	*95.3*			*80.0-120*		*04/07/2018 07:09*	WG1094858
(S) Dibromofluoromethane	*139*	J1		*74.0-131*		*04/07/2018 07:09*	WG1094858
(S) Dibromofluoromethane	*114*			*74.0-131*		*04/11/2018 18:00*	WG1094858
(S) 4-Bromofluorobenzene	*94.2*			*64.0-132*		*04/07/2018 07:09*	WG1094858
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/11/2018 18:00*	WG1094858

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	04/09/2018 15:28	WG1095654

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0117	0.0583	1	04/07/2018 07:31	WG1094858
Acrylonitrile	U			0.00209	0.0117	1	04/07/2018 07:31	WG1094858
Benzene	U			0.000315	0.00117	1	04/07/2018 07:31	WG1094858
Bromobenzene	U	UJ	J0 J4	0.000331	0.00117	1	04/07/2018 07:31	WG1094858
Bromodichloromethane	U			0.000296	0.00117	1	04/07/2018 07:31	WG1094858
Bromochloromethane	U			0.000455	0.00583	1	04/07/2018 07:31	WG1094858
Bromoform	U	UJ	J0	0.000494	0.00117	1	04/07/2018 07:31	WG1094858
Bromomethane	U			0.00156	0.00583	1	04/07/2018 07:31	WG1094858
n-Butylbenzene	U			0.000301	0.00117	1	04/07/2018 07:31	WG1094858
sec-Butylbenzene	U			0.000234	0.00117	1	04/07/2018 07:31	WG1094858
tert-Butylbenzene	U			0.000240	0.00117	1	04/07/2018 07:31	WG1094858
Carbon disulfide	0.000320	J +	J	0.000258	0.00117	1	04/07/2018 07:31	WG1094858
Carbon tetrachloride	U			0.000382	0.00117	1	04/07/2018 07:31	WG1094858
Chlorobenzene	U			0.000247	0.00117	1	04/07/2018 07:31	WG1094858
Chlorodibromomethane	U			0.000435	0.00117	1	04/07/2018 07:31	WG1094858
Chloroethane	U			0.00110	0.00583	1	04/07/2018 07:31	WG1094858
Chloroform	U			0.000267	0.00583	1	04/07/2018 07:31	WG1094858
Chloromethane	0.000514	J +	J	0.000437	0.00292	1	04/07/2018 07:31	WG1094858
2-Chlorotoluene	U			0.000351	0.00117	1	04/07/2018 07:31	WG1094858
4-Chlorotoluene	U			0.000280	0.00117	1	04/07/2018 07:31	WG1094858
1,2-Dibromo-3-Chloropropane	U	UJ	J0	0.00122	0.00583	1	04/07/2018 07:31	WG1094858
1,2-Dibromoethane	U			0.000400	0.00117	1	04/07/2018 07:31	WG1094858
Dibromomethane	U			0.000445	0.00117	1	04/07/2018 07:31	WG1094858
1,2-Dichlorobenzene	U			0.000356	0.00117	1	04/07/2018 07:31	WG1094858
1,3-Dichlorobenzene	U			0.000279	0.00117	1	04/07/2018 07:31	WG1094858
1,4-Dichlorobenzene	U			0.000264	0.00117	1	04/07/2018 07:31	WG1094858
Dichlorodifluoromethane	U			0.000831	0.00583	1	04/07/2018 07:31	WG1094858
1,1-Dichloroethane	U			0.000232	0.00117	1	04/07/2018 07:31	WG1094858
1,2-Dichloroethane	U			0.000309	0.00117	1	04/07/2018 07:31	WG1094858
1,1-Dichloroethene	0.00240	J+		0.000353	0.00117	1	04/07/2018 07:31	WG1094858
cis-1,2-Dichloroethene	0.358			0.00686	0.0292	25	04/11/2018 19:15	WG1094858
trans-1,2-Dichloroethene	0.000813	J +	J	0.000308	0.00117	1	04/07/2018 07:31	WG1094858
1,2-Dichloropropane	U			0.000417	0.00117	1	04/07/2018 07:31	WG1094858
1,1-Dichloropropene	U			0.000370	0.00117	1	04/07/2018 07:31	WG1094858
1,3-Dichloropropane	U			0.000241	0.00117	1	04/07/2018 07:31	WG1094858
cis-1,3-Dichloropropene	U			0.000306	0.00117	1	04/07/2018 07:31	WG1094858
trans-1,3-Dichloropropene	U			0.000311	0.00117	1	04/07/2018 07:31	WG1094858
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000907	0.00292	1	04/07/2018 07:31	WG1094858
2,2-Dichloropropane	U			0.000325	0.00117	1	04/07/2018 07:31	WG1094858
Di-isopropyl ether	U			0.000289	0.00117	1	04/07/2018 07:31	WG1094858
Ethylbenzene	U			0.000346	0.00117	1	04/07/2018 07:31	WG1094858
Hexachloro-1,3-butadiene	U			0.000399	0.00117	1	04/07/2018 07:31	WG1094858
2-Hexanone	U	UJ	J0	0.00160	0.0117	1	04/07/2018 07:31	WG1094858
n-Hexane	U			0.000338	0.0117	1	04/07/2018 07:31	WG1094858
Iodomethane	U			0.00295	0.0117	1	04/07/2018 07:31	WG1094858
Isopropylbenzene	U			0.000283	0.00117	1	04/07/2018 07:31	WG1094858
p-Isopropyltoluene	U			0.000238	0.00117	1	04/07/2018 07:31	WG1094858
2-Butanone (MEK)	U	UJ	J0	0.00546	0.0117	1	04/07/2018 07:31	WG1094858
Methylene Chloride	U			0.00117	0.00583	1	04/07/2018 07:31	WG1094858
4-Methyl-2-pentanone (MIBK)	U			0.00219	0.0117	1	04/07/2018 07:31	WG1094858

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000247	0.00117	1	04/07/2018 07:31	WG1094858
Naphthalene	U		0.00117	0.00583	1	04/07/2018 07:31	WG1094858
n-Propylbenzene	U		0.000240	0.00117	1	04/07/2018 07:31	WG1094858
Styrene	U	UJ J0	0.000273	0.00117	1	04/07/2018 07:31	WG1094858
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	04/07/2018 07:31	WG1094858
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	04/07/2018 07:31	WG1094858
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	04/07/2018 07:31	WG1094858
Tetrachloroethene	0.147	J+	0.000322	0.00117	1	04/07/2018 07:31	WG1094858
Toluene	U		0.000506	0.00583	1	04/07/2018 07:31	WG1094858
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	04/07/2018 07:31	WG1094858
1,2,4-Trichlorobenzene	U		0.000452	0.00117	1	04/07/2018 07:31	WG1094858
1,1,1-Trichloroethane	U		0.000333	0.00117	1	04/07/2018 07:31	WG1094858
1,1,2-Trichloroethane	U		0.000323	0.00117	1	04/07/2018 07:31	WG1094858
Trichloroethene	0.0513	J+	0.000325	0.00117	1	04/07/2018 07:31	WG1094858
Trichlorofluoromethane	U		0.000445	0.00583	1	04/07/2018 07:31	WG1094858
1,2,3-Trichloropropane	U		0.000864	0.00292	1	04/07/2018 07:31	WG1094858
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	04/07/2018 07:31	WG1094858
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	04/07/2018 07:31	WG1094858
1,3,5-Trimethylbenzene	U		0.000310	0.00117	1	04/07/2018 07:31	WG1094858
Vinyl acetate	U	UJ J0	0.00279	0.0117	1	04/07/2018 07:31	WG1094858
Vinyl chloride	0.0301	J+	0.000339	0.00117	1	04/07/2018 07:31	WG1094858
Xylenes, Total	U		0.000814	0.00350	1	04/07/2018 07:31	WG1094858
(S) Toluene-d8	*106*			*80.0-120*		*04/11/2018 19:15*	WG1094858
(S) Toluene-d8	*95.8*			*80.0-120*		*04/07/2018 07:31*	WG1094858
(S) Dibromofluoromethane	*90.3*			*74.0-131*		*04/11/2018 19:15*	WG1094858
(S) Dibromofluoromethane	*133*	J1		*74.0-131*		*04/07/2018 07:31*	WG1094858
(S) 4-Bromofluorobenzene	*95.0*			*64.0-132*		*04/07/2018 07:31*	WG1094858
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*04/11/2018 19:15*	WG1094858

JC 4/25/18

ANALYTICAL REPORT

May 02, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L984082
Samples Received:	04/07/2018
Project Number:	1413.001.05.601
Description:	

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

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

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MW-158-20 L984082-01 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/05/18 10:05 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095942	1	04/10/18 15:09	04/10/18 15:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096314	1	04/05/18 10:05	04/12/18 01:51	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094855	1	04/05/18 10:05	04/09/18 18:38	ACG

MW-158-30 L984082-02 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/05/18 10:27 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095942	1	04/10/18 15:09	04/10/18 15:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096314	1	04/05/18 10:27	04/16/18 15:34	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	100	04/05/18 10:27	04/10/18 19:01	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	1000	04/05/18 10:27	04/11/18 17:29	BMB

MW-158A-40 L984082-03 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/05/18 14:00 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095942	1	04/10/18 15:09	04/10/18 15:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096314	1	04/05/18 14:00	04/12/18 02:39	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	1	04/05/18 14:00	04/10/18 14:49	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	63.5	04/05/18 14:00	04/11/18 17:08	BMB

MW-158A-50 L984082-04 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/05/18 14:20 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095942	1	04/10/18 15:09	04/10/18 15:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096314	1	04/05/18 14:20	04/12/18 03:03	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	1	04/05/18 14:20	04/10/18 15:10	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	25	04/05/18 14:20	04/11/18 16:47	BMB

MW-158A-60 L984082-05 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/05/18 14:45 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095942	1	04/10/18 15:09	04/10/18 15:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096314	1	04/05/18 14:45	04/12/18 03:27	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	1	04/05/18 14:45	04/10/18 15:31	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	50	04/05/18 14:45	04/11/18 16:26	BMB

MW-158A-70 L984082-06 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/05/18 15:55 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095945	1	04/10/18 13:30	04/10/18 13:44	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096314	1	04/05/18 15:55	04/14/18 09:28	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	1	04/05/18 15:55	04/10/18 15:51	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	25	04/05/18 15:55	04/11/18 16:05	BMB

MW-158A-80 L984082-07 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/06/18 09:31
Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095945	1	04/10/18 13:30	04/10/18 13:44	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096314	1	04/06/18 09:31	04/12/18 04:15	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	1	04/06/18 09:31	04/10/18 16:13	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	1	04/06/18 09:31	04/11/18 15:44	BMB

MW-158A-90 L984082-08 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/06/18 10:05
Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095945	1	04/10/18 13:30	04/10/18 13:44	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096314	1	04/06/18 10:05	04/12/18 04:39	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	1	04/06/18 10:05	04/10/18 16:34	ACG

MW-158A-100 L984082-09 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/06/18 11:05
Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1095945	1	04/10/18 13:30	04/10/18 13:44	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096314	1	04/06/18 11:05	04/12/18 05:03	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095656	1	04/06/18 11:05	04/10/18 16:55	ACG

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

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0384	0.113	1	04/12/2018 01:51	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/12/2018 01:51*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0113	0.0566	1	04/09/2018 18:38	WG1094855
Acrylonitrile	U		0.00203	0.0113	1	04/09/2018 18:38	WG1094855
Benzene	0.000584	J	0.000306	0.00113	1	04/09/2018 18:38	WG1094855
Bromobenzene	U		0.000322	0.00113	1	04/09/2018 18:38	WG1094855
Bromodichloromethane	U		0.000288	0.00113	1	04/09/2018 18:38	WG1094855
Bromochloromethane	U		0.000442	0.00566	1	04/09/2018 18:38	WG1094855
Bromoform	U	J0	0.000480	0.00113	1	04/09/2018 18:38	WG1094855
Bromomethane	U		0.00152	0.00566	1	04/09/2018 18:38	WG1094855
n-Butylbenzene	U		0.000292	0.00113	1	04/09/2018 18:38	WG1094855
sec-Butylbenzene	U		0.000228	0.00113	1	04/09/2018 18:38	WG1094855
tert-Butylbenzene	U		0.000233	0.00113	1	04/09/2018 18:38	WG1094855
Carbon disulfide	0.000327	J	0.000250	0.00113	1	04/09/2018 18:38	WG1094855
Carbon tetrachloride	U		0.000372	0.00113	1	04/09/2018 18:38	WG1094855
Chlorobenzene	U		0.000240	0.00113	1	04/09/2018 18:38	WG1094855
Chlorodibromomethane	U		0.000423	0.00113	1	04/09/2018 18:38	WG1094855
Chloroethane	U		0.00107	0.00566	1	04/09/2018 18:38	WG1094855
Chloroform	U		0.000259	0.00566	1	04/09/2018 18:38	WG1094855
Chloromethane	U	J0	0.000425	0.00283	1	04/09/2018 18:38	WG1094855
2-Chlorotoluene	U		0.000341	0.00113	1	04/09/2018 18:38	WG1094855
4-Chlorotoluene	U		0.000272	0.00113	1	04/09/2018 18:38	WG1094855
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/09/2018 18:38	WG1094855
1,2-Dibromoethane	U		0.000389	0.00113	1	04/09/2018 18:38	WG1094855
Dibromomethane	U		0.000433	0.00113	1	04/09/2018 18:38	WG1094855
1,2-Dichlorobenzene	U		0.000345	0.00113	1	04/09/2018 18:38	WG1094855
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/09/2018 18:38	WG1094855
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/09/2018 18:38	WG1094855
Dichlorodifluoromethane	U	J0	0.000808	0.00566	1	04/09/2018 18:38	WG1094855
1,1-Dichloroethane	U		0.000225	0.00113	1	04/09/2018 18:38	WG1094855
1,2-Dichloroethane	U		0.000300	0.00113	1	04/09/2018 18:38	WG1094855
1,1-Dichloroethene	U		0.000343	0.00113	1	04/09/2018 18:38	WG1094855
cis-1,2-Dichloroethene	U		0.000266	0.00113	1	04/09/2018 18:38	WG1094855
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/09/2018 18:38	WG1094855
1,2-Dichloropropane	U		0.000406	0.00113	1	04/09/2018 18:38	WG1094855
1,1-Dichloropropene	U		0.000359	0.00113	1	04/09/2018 18:38	WG1094855
1,3-Dichloropropane	U		0.000234	0.00113	1	04/09/2018 18:38	WG1094855
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/09/2018 18:38	WG1094855
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	04/09/2018 18:38	WG1094855
trans-1,4-Dichloro-2-butene	U	J0	0.000881	0.00283	1	04/09/2018 18:38	WG1094855
2,2-Dichloropropane	U		0.000316	0.00113	1	04/09/2018 18:38	WG1094855
Di-isopropyl ether	U	J0	0.000281	0.00113	1	04/09/2018 18:38	WG1094855
Ethylbenzene	U		0.000336	0.00113	1	04/09/2018 18:38	WG1094855
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/09/2018 18:38	WG1094855
2-Hexanone	U		0.00155	0.0113	1	04/09/2018 18:38	WG1094855
n-Hexane	U		0.000328	0.0113	1	04/09/2018 18:38	WG1094855

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00287	0.0113	1	04/09/2018 18:38	WG1094855
Isopropylbenzene	U		0.000275	0.00113	1	04/09/2018 18:38	WG1094855
p-Isopropyltoluene	U		0.000231	0.00113	1	04/09/2018 18:38	WG1094855
2-Butanone (MEK)	U	J0	0.00530	0.0113	1	04/09/2018 18:38	WG1094855
Methylene Chloride	U		0.00113	0.00566	1	04/09/2018 18:38	WG1094855
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/09/2018 18:38	WG1094855
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/09/2018 18:38	WG1094855
Naphthalene	U		0.00113	0.00566	1	04/09/2018 18:38	WG1094855
n-Propylbenzene	U		0.000233	0.00113	1	04/09/2018 18:38	WG1094855
Styrene	U		0.000265	0.00113	1	04/09/2018 18:38	WG1094855
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/09/2018 18:38	WG1094855
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	04/09/2018 18:38	WG1094855
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	04/09/2018 18:38	WG1094855
Tetrachloroethene	U		0.000313	0.00113	1	04/09/2018 18:38	WG1094855
Toluene	U		0.000492	0.00566	1	04/09/2018 18:38	WG1094855
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/09/2018 18:38	WG1094855
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	04/09/2018 18:38	WG1094855
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/09/2018 18:38	WG1094855
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/09/2018 18:38	WG1094855
Trichloroethene	U		0.000316	0.00113	1	04/09/2018 18:38	WG1094855
Trichlorofluoromethane	U		0.000433	0.00566	1	04/09/2018 18:38	WG1094855
1,2,3-Trichloropropane	U		0.000839	0.00283	1	04/09/2018 18:38	WG1094855
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/09/2018 18:38	WG1094855
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/09/2018 18:38	WG1094855
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/09/2018 18:38	WG1094855
Vinyl acetate	U	J0	0.00271	0.0113	1	04/09/2018 18:38	WG1094855
Vinyl chloride	U		0.000330	0.00113	1	04/09/2018 18:38	WG1094855
Xylenes, Total	U		0.000791	0.00340	1	04/09/2018 18:38	WG1094855
(S) Toluene-d8	*106*			*80.0-120*		*04/09/2018 18:38*	WG1094855
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/09/2018 18:38*	WG1094855
(S) 4-Bromofluorobenzene	*90.1*			*64.0-132*		*04/09/2018 18:38*	WG1094855

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.50	V3	0.0400	0.118	1	04/16/2018 15:34	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/16/2018 15:34*	WG1096314

Sample Narrative:

L984082-02 WG1096314: IS confirmed low on both runs.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.18	5.90	100	04/10/2018 19:01	WG1095656
Acrylonitrile	U		0.211	1.18	100	04/10/2018 19:01	WG1095656
Benzene	U		0.0318	0.118	100	04/10/2018 19:01	WG1095656
Bromobenzene	U		0.0335	0.118	100	04/10/2018 19:01	WG1095656
Bromodichloromethane	U		0.0300	0.118	100	04/10/2018 19:01	WG1095656
Bromochloromethane	U		0.0460	0.590	100	04/10/2018 19:01	WG1095656
Bromoform	U		0.0500	0.118	100	04/10/2018 19:01	WG1095656
Bromomethane	U		0.158	0.590	100	04/10/2018 19:01	WG1095656
n-Butylbenzene	U		0.0304	0.118	100	04/10/2018 19:01	WG1095656
sec-Butylbenzene	U		0.0237	0.118	100	04/10/2018 19:01	WG1095656
tert-Butylbenzene	U		0.0243	0.118	100	04/10/2018 19:01	WG1095656
Carbon disulfide	U		0.0261	0.118	100	04/10/2018 19:01	WG1095656
Carbon tetrachloride	U		0.0387	0.118	100	04/10/2018 19:01	WG1095656
Chlorobenzene	U		0.0250	0.118	100	04/10/2018 19:01	WG1095656
Chlorodibromomethane	U		0.0440	0.118	100	04/10/2018 19:01	WG1095656
Chloroethane	U		0.112	0.590	100	04/10/2018 19:01	WG1095656
Chloroform	U		0.0270	0.590	100	04/10/2018 19:01	WG1095656
Chloromethane	U		0.0442	0.295	100	04/10/2018 19:01	WG1095656
2-Chlorotoluene	U		0.0355	0.118	100	04/10/2018 19:01	WG1095656
4-Chlorotoluene	U		0.0283	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.124	0.590	100	04/10/2018 19:01	WG1095656
1,2-Dibromoethane	U		0.0405	0.118	100	04/10/2018 19:01	WG1095656
Dibromomethane	U		0.0451	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dichlorobenzene	U		0.0360	0.118	100	04/10/2018 19:01	WG1095656
1,3-Dichlorobenzene	U		0.0282	0.118	100	04/10/2018 19:01	WG1095656
1,4-Dichlorobenzene	U		0.0267	0.118	100	04/10/2018 19:01	WG1095656
Dichlorodifluoromethane	U		0.0841	0.590	100	04/10/2018 19:01	WG1095656
1,1-Dichloroethane	U		0.0235	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dichloroethane	U		0.0313	0.118	100	04/10/2018 19:01	WG1095656
1,1-Dichloroethene	U		0.0357	0.118	100	04/10/2018 19:01	WG1095656
cis-1,2-Dichloroethene	3.00		0.0277	0.118	100	04/10/2018 19:01	WG1095656
trans-1,2-Dichloroethene	U		0.0311	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dichloropropane	U		0.0422	0.118	100	04/10/2018 19:01	WG1095656
1,1-Dichloropropene	U		0.0374	0.118	100	04/10/2018 19:01	WG1095656
1,3-Dichloropropane	U		0.0244	0.118	100	04/10/2018 19:01	WG1095656
cis-1,3-Dichloropropene	U		0.0309	0.118	100	04/10/2018 19:01	WG1095656
trans-1,3-Dichloropropene	U		0.0315	0.118	100	04/10/2018 19:01	WG1095656
trans-1,4-Dichloro-2-butene	U		0.0918	0.295	100	04/10/2018 19:01	WG1095656
2,2-Dichloropropane	U		0.0329	0.118	100	04/10/2018 19:01	WG1095656
Di-isopropyl ether	U		0.0293	0.118	100	04/10/2018 19:01	WG1095656
Ethylbenzene	U		0.0350	0.118	100	04/10/2018 19:01	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.0403	0.118	100	04/10/2018 19:01	WG1095656
2-Hexanone	U		0.162	1.18	100	04/10/2018 19:01	WG1095656
n-Hexane	U		0.0342	1.18	100	04/10/2018 19:01	WG1095656
Iodomethane	U		0.298	1.18	100	04/10/2018 19:01	WG1095656
Isopropylbenzene	U		0.0287	0.118	100	04/10/2018 19:01	WG1095656
p-Isopropyltoluene	U		0.0241	0.118	100	04/10/2018 19:01	WG1095656
2-Butanone (MEK)	U		0.552	1.18	100	04/10/2018 19:01	WG1095656
Methylene Chloride	U		0.118	0.590	100	04/10/2018 19:01	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.222	1.18	100	04/10/2018 19:01	WG1095656
Methyl tert-butyl ether	U		0.0250	0.118	100	04/10/2018 19:01	WG1095656
Naphthalene	U		0.118	0.590	100	04/10/2018 19:01	WG1095656
n-Propylbenzene	U		0.0243	0.118	100	04/10/2018 19:01	WG1095656
Styrene	U		0.0276	0.118	100	04/10/2018 19:01	WG1095656
1,1,1,2-Tetrachloroethane	U		0.0311	0.118	100	04/10/2018 19:01	WG1095656
1,1,2,2-Tetrachloroethane	U		0.0431	0.118	100	04/10/2018 19:01	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.0431	0.118	100	04/10/2018 19:01	WG1095656
Tetrachloroethene	15.1		0.326	1.18	1000	04/11/2018 17:29	WG1095656
Toluene	U		0.0512	0.590	100	04/10/2018 19:01	WG1095656
1,2,3-Trichlorobenzene	U		0.0361	0.118	100	04/10/2018 19:01	WG1095656
1,2,4-Trichlorobenzene	U		0.0458	0.118	100	04/10/2018 19:01	WG1095656
1,1,1-Trichloroethane	U		0.0337	0.118	100	04/10/2018 19:01	WG1095656
1,1,2-Trichloroethane	U		0.0327	0.118	100	04/10/2018 19:01	WG1095656
Trichloroethene	3.57		0.0329	0.118	100	04/10/2018 19:01	WG1095656
Trichlorofluoromethane	U		0.0451	0.590	100	04/10/2018 19:01	WG1095656
1,2,3-Trichloropropane	U		0.0874	0.295	100	04/10/2018 19:01	WG1095656
1,2,4-Trimethylbenzene	0.0317	J	0.0249	0.118	100	04/10/2018 19:01	WG1095656
1,2,3-Trimethylbenzene	U		0.0339	0.118	100	04/10/2018 19:01	WG1095656
1,3,5-Trimethylbenzene	U		0.0314	0.118	100	04/10/2018 19:01	WG1095656
Vinyl acetate	U		0.282	1.18	100	04/10/2018 19:01	WG1095656
Vinyl chloride	0.382		0.0343	0.118	100	04/10/2018 19:01	WG1095656
Xylenes, Total	U		0.0823	0.354	100	04/10/2018 19:01	WG1095656
(S) Toluene-d8	*110*			*80.0-120*		*04/10/2018 19:01*	WG1095656
(S) Toluene-d8	*111*			*80.0-120*		*04/11/2018 17:29*	WG1095656
(S) Dibromofluoromethane	*93.8*			*74.0-131*		*04/11/2018 17:29*	WG1095656
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*04/10/2018 19:01*	WG1095656
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*04/10/2018 19:01*	WG1095656
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*04/11/2018 17:29*	WG1095656

Sample Narrative:

L984082-02 WG1095656: Cannot be analyzed at a lower dilution due to high levels of target and non-target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.1		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.839		0.0418	0.123	1	04/12/2018 02:39	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*04/12/2018 02:39*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0123	0.0616	1	04/10/2018 14:49	WG1095656
Acrylonitrile	U		0.00221	0.0123	1	04/10/2018 14:49	WG1095656
Benzene	0.000424	J	0.000333	0.00123	1	04/10/2018 14:49	WG1095656
Bromobenzene	U		0.000350	0.00123	1	04/10/2018 14:49	WG1095656
Bromodichloromethane	U		0.000313	0.00123	1	04/10/2018 14:49	WG1095656
Bromochloromethane	U		0.000481	0.00616	1	04/10/2018 14:49	WG1095656
Bromoform	U		0.000523	0.00123	1	04/10/2018 14:49	WG1095656
Bromomethane	U		0.00165	0.00616	1	04/10/2018 14:49	WG1095656
n-Butylbenzene	U		0.000318	0.00123	1	04/10/2018 14:49	WG1095656
sec-Butylbenzene	U		0.000248	0.00123	1	04/10/2018 14:49	WG1095656
tert-Butylbenzene	U		0.000254	0.00123	1	04/10/2018 14:49	WG1095656
Carbon disulfide	0.000620	J	0.000272	0.00123	1	04/10/2018 14:49	WG1095656
Carbon tetrachloride	U		0.000404	0.00123	1	04/10/2018 14:49	WG1095656
Chlorobenzene	U		0.000261	0.00123	1	04/10/2018 14:49	WG1095656
Chlorodibromomethane	U		0.000460	0.00123	1	04/10/2018 14:49	WG1095656
Chloroethane	U		0.00117	0.00616	1	04/10/2018 14:49	WG1095656
Chloroform	U		0.000282	0.00616	1	04/10/2018 14:49	WG1095656
Chloromethane	U		0.000462	0.00308	1	04/10/2018 14:49	WG1095656
2-Chlorotoluene	U		0.000371	0.00123	1	04/10/2018 14:49	WG1095656
4-Chlorotoluene	U		0.000296	0.00123	1	04/10/2018 14:49	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00129	0.00616	1	04/10/2018 14:49	WG1095656
1,2-Dibromoethane	U		0.000423	0.00123	1	04/10/2018 14:49	WG1095656
Dibromomethane	U		0.000471	0.00123	1	04/10/2018 14:49	WG1095656
1,2-Dichlorobenzene	U		0.000376	0.00123	1	04/10/2018 14:49	WG1095656
1,3-Dichlorobenzene	U		0.000295	0.00123	1	04/10/2018 14:49	WG1095656
1,4-Dichlorobenzene	U		0.000279	0.00123	1	04/10/2018 14:49	WG1095656
Dichlorodifluoromethane	U		0.000879	0.00616	1	04/10/2018 14:49	WG1095656
1,1-Dichloroethane	U		0.000245	0.00123	1	04/10/2018 14:49	WG1095656
1,2-Dichloroethane	U		0.000327	0.00123	1	04/10/2018 14:49	WG1095656
1,1-Dichloroethene	0.000568	J	0.000374	0.00123	1	04/10/2018 14:49	WG1095656
cis-1,2-Dichloroethene	0.168		0.000290	0.00123	1	04/10/2018 14:49	WG1095656
trans-1,2-Dichloroethene	0.000547	J	0.000325	0.00123	1	04/10/2018 14:49	WG1095656
1,2-Dichloropropane	U		0.000441	0.00123	1	04/10/2018 14:49	WG1095656
1,1-Dichloropropene	U		0.000391	0.00123	1	04/10/2018 14:49	WG1095656
1,3-Dichloropropane	U		0.000255	0.00123	1	04/10/2018 14:49	WG1095656
cis-1,3-Dichloropropene	U		0.000323	0.00123	1	04/10/2018 14:49	WG1095656
trans-1,3-Dichloropropene	U		0.000329	0.00123	1	04/10/2018 14:49	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000959	0.00308	1	04/10/2018 14:49	WG1095656
2,2-Dichloropropane	U		0.000344	0.00123	1	04/10/2018 14:49	WG1095656
Di-isopropyl ether	U		0.000306	0.00123	1	04/10/2018 14:49	WG1095656
Ethylbenzene	U		0.000366	0.00123	1	04/10/2018 14:49	WG1095656
Hexachloro-1,3-butadiene	U		0.000422	0.00123	1	04/10/2018 14:49	WG1095656
2-Hexanone	U		0.00169	0.0123	1	04/10/2018 14:49	WG1095656
n-Hexane	U		0.000357	0.0123	1	04/10/2018 14:49	WG1095656

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

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00312	0.0123	1	04/10/2018 14:49	WG1095656
Isopropylbenzene	U		0.000300	0.00123	1	04/10/2018 14:49	WG1095656
p-Isopropyltoluene	U		0.000251	0.00123	1	04/10/2018 14:49	WG1095656
2-Butanone (MEK)	U		0.00577	0.0123	1	04/10/2018 14:49	WG1095656
Methylene Chloride	U		0.00123	0.00616	1	04/10/2018 14:49	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0123	1	04/10/2018 14:49	WG1095656
Methyl tert-butyl ether	U		0.000261	0.00123	1	04/10/2018 14:49	WG1095656
Naphthalene	U		0.00123	0.00616	1	04/10/2018 14:49	WG1095656
n-Propylbenzene	U		0.000254	0.00123	1	04/10/2018 14:49	WG1095656
Styrene	U		0.000288	0.00123	1	04/10/2018 14:49	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000325	0.00123	1	04/10/2018 14:49	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000450	0.00123	1	04/10/2018 14:49	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000450	0.00123	1	04/10/2018 14:49	WG1095656
Tetrachloroethene	1.76		0.0216	0.0783	63.5	04/11/2018 17:08	WG1095656
Toluene	0.000626	J	0.000535	0.00616	1	04/10/2018 14:49	WG1095656
1,2,3-Trichlorobenzene	U		0.000377	0.00123	1	04/10/2018 14:49	WG1095656
1,2,4-Trichlorobenzene	U		0.000478	0.00123	1	04/10/2018 14:49	WG1095656
1,1,1-Trichloroethane	U		0.000353	0.00123	1	04/10/2018 14:49	WG1095656
1,1,2-Trichloroethane	U		0.000341	0.00123	1	04/10/2018 14:49	WG1095656
Trichloroethene	0.684		0.0218	0.0783	63.5	04/11/2018 17:08	WG1095656
Trichlorofluoromethane	U		0.000471	0.00616	1	04/10/2018 14:49	WG1095656
1,2,3-Trichloropropane	U		0.000913	0.00308	1	04/10/2018 14:49	WG1095656
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	04/10/2018 14:49	WG1095656
1,2,3-Trimethylbenzene	U		0.000354	0.00123	1	04/10/2018 14:49	WG1095656
1,3,5-Trimethylbenzene	U		0.000328	0.00123	1	04/10/2018 14:49	WG1095656
Vinyl acetate	U		0.00295	0.0123	1	04/10/2018 14:49	WG1095656
Vinyl chloride	0.00972		0.000359	0.00123	1	04/10/2018 14:49	WG1095656
Xylenes, Total	U		0.000860	0.00370	1	04/10/2018 14:49	WG1095656
(S) Toluene-d8	*113*			*80.0-120*		*04/11/2018 17:08*	WG1095656
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 14:49*	WG1095656
(S) Dibromofluoromethane	*98.5*			*74.0-131*		*04/10/2018 14:49*	WG1095656
(S) Dibromofluoromethane	*92.4*			*74.0-131*		*04/11/2018 17:08*	WG1095656
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/10/2018 14:49*	WG1095656
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/11/2018 17:08*	WG1095656

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.194		0.0392	0.116	1	04/12/2018 03:03	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/12/2018 03:03*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0116	0.0578	1	04/10/2018 15:10	WG1095656
Acrylonitrile	U		0.00207	0.0116	1	04/10/2018 15:10	WG1095656
Benzene	U		0.000312	0.00116	1	04/10/2018 15:10	WG1095656
Bromobenzene	U		0.000328	0.00116	1	04/10/2018 15:10	WG1095656
Bromodichloromethane	U		0.000294	0.00116	1	04/10/2018 15:10	WG1095656
Bromochloromethane	U		0.000451	0.00578	1	04/10/2018 15:10	WG1095656
Bromoform	U		0.000490	0.00116	1	04/10/2018 15:10	WG1095656
Bromomethane	U		0.00155	0.00578	1	04/10/2018 15:10	WG1095656
n-Butylbenzene	U		0.000298	0.00116	1	04/10/2018 15:10	WG1095656
sec-Butylbenzene	U		0.000232	0.00116	1	04/10/2018 15:10	WG1095656
tert-Butylbenzene	U		0.000238	0.00116	1	04/10/2018 15:10	WG1095656
Carbon disulfide	0.000264	J	0.000256	0.00116	1	04/10/2018 15:10	WG1095656
Carbon tetrachloride	U		0.000379	0.00116	1	04/10/2018 15:10	WG1095656
Chlorobenzene	U		0.000245	0.00116	1	04/10/2018 15:10	WG1095656
Chlorodibromomethane	U		0.000431	0.00116	1	04/10/2018 15:10	WG1095656
Chloroethane	U		0.00109	0.00578	1	04/10/2018 15:10	WG1095656
Chloroform	U		0.000265	0.00578	1	04/10/2018 15:10	WG1095656
Chloromethane	U		0.000434	0.00289	1	04/10/2018 15:10	WG1095656
2-Chlorotoluene	U		0.000348	0.00116	1	04/10/2018 15:10	WG1095656
4-Chlorotoluene	U		0.000278	0.00116	1	04/10/2018 15:10	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	04/10/2018 15:10	WG1095656
1,2-Dibromoethane	U		0.000397	0.00116	1	04/10/2018 15:10	WG1095656
Dibromomethane	U		0.000442	0.00116	1	04/10/2018 15:10	WG1095656
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/10/2018 15:10	WG1095656
1,3-Dichlorobenzene	U		0.000276	0.00116	1	04/10/2018 15:10	WG1095656
1,4-Dichlorobenzene	U		0.000261	0.00116	1	04/10/2018 15:10	WG1095656
Dichlorodifluoromethane	U		0.000824	0.00578	1	04/10/2018 15:10	WG1095656
1,1-Dichloroethane	U		0.000230	0.00116	1	04/10/2018 15:10	WG1095656
1,2-Dichloroethane	U		0.000306	0.00116	1	04/10/2018 15:10	WG1095656
1,1-Dichloroethene	0.000421	J	0.000350	0.00116	1	04/10/2018 15:10	WG1095656
cis-1,2-Dichloroethene	0.0631		0.000272	0.00116	1	04/10/2018 15:10	WG1095656
trans-1,2-Dichloroethene	0.000423	J	0.000305	0.00116	1	04/10/2018 15:10	WG1095656
1,2-Dichloropropane	U		0.000414	0.00116	1	04/10/2018 15:10	WG1095656
1,1-Dichloropropene	U		0.000367	0.00116	1	04/10/2018 15:10	WG1095656
1,3-Dichloropropane	U		0.000239	0.00116	1	04/10/2018 15:10	WG1095656
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/10/2018 15:10	WG1095656
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/10/2018 15:10	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000900	0.00289	1	04/10/2018 15:10	WG1095656
2,2-Dichloropropane	U		0.000323	0.00116	1	04/10/2018 15:10	WG1095656
Di-isopropyl ether	U		0.000287	0.00116	1	04/10/2018 15:10	WG1095656
Ethylbenzene	U		0.000343	0.00116	1	04/10/2018 15:10	WG1095656
Hexachloro-1,3-butadiene	U		0.000395	0.00116	1	04/10/2018 15:10	WG1095656
2-Hexanone	U		0.00158	0.0116	1	04/10/2018 15:10	WG1095656
n-Hexane	U		0.000335	0.0116	1	04/10/2018 15:10	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00293	0.0116	1	04/10/2018 15:10	WG1095656
Isopropylbenzene	U		0.000281	0.00116	1	04/10/2018 15:10	WG1095656
p-Isopropyltoluene	U		0.000236	0.00116	1	04/10/2018 15:10	WG1095656
2-Butanone (MEK)	U		0.00541	0.0116	1	04/10/2018 15:10	WG1095656
Methylene Chloride	U		0.00116	0.00578	1	04/10/2018 15:10	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	04/10/2018 15:10	WG1095656
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/10/2018 15:10	WG1095656
Naphthalene	U		0.00116	0.00578	1	04/10/2018 15:10	WG1095656
n-Propylbenzene	U		0.000238	0.00116	1	04/10/2018 15:10	WG1095656
Styrene	U		0.000271	0.00116	1	04/10/2018 15:10	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/10/2018 15:10	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/10/2018 15:10	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/10/2018 15:10	WG1095656
Tetrachloroethene	0.922		0.00798	0.0289	25	04/11/2018 16:47	WG1095656
Toluene	U		0.000502	0.00578	1	04/10/2018 15:10	WG1095656
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/10/2018 15:10	WG1095656
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/10/2018 15:10	WG1095656
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/10/2018 15:10	WG1095656
1,1,2-Trichloroethane	U		0.000320	0.00116	1	04/10/2018 15:10	WG1095656
Trichloroethene	0.0628		0.000323	0.00116	1	04/10/2018 15:10	WG1095656
Trichlorofluoromethane	U		0.000442	0.00578	1	04/10/2018 15:10	WG1095656
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/10/2018 15:10	WG1095656
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/10/2018 15:10	WG1095656
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/10/2018 15:10	WG1095656
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/10/2018 15:10	WG1095656
Vinyl acetate	U		0.00276	0.0116	1	04/10/2018 15:10	WG1095656
Vinyl chloride	0.000709	J	0.000336	0.00116	1	04/10/2018 15:10	WG1095656
Xylenes, Total	U		0.000807	0.00347	1	04/10/2018 15:10	WG1095656
(S) Toluene-d8	*108*			*80.0-120*		*04/11/2018 16:47*	WG1095656
(S) Toluene-d8	*104*			*80.0-120*		*04/10/2018 15:10*	WG1095656
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/10/2018 15:10*	WG1095656
(S) Dibromofluoromethane	*91.4*			*74.0-131*		*04/11/2018 16:47*	WG1095656
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*04/10/2018 15:10*	WG1095656
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*04/11/2018 16:47*	WG1095656

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.319		0.0390	0.115	1	04/12/2018 03:27	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/12/2018 03:27*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0575	1	04/10/2018 15:31	WG1095656
Acrylonitrile	U		0.00206	0.0115	1	04/10/2018 15:31	WG1095656
Benzene	U		0.000311	0.00115	1	04/10/2018 15:31	WG1095656
Bromobenzene	U		0.000327	0.00115	1	04/10/2018 15:31	WG1095656
Bromodichloromethane	U		0.000292	0.00115	1	04/10/2018 15:31	WG1095656
Bromochloromethane	U		0.000449	0.00575	1	04/10/2018 15:31	WG1095656
Bromoform	U		0.000488	0.00115	1	04/10/2018 15:31	WG1095656
Bromomethane	U		0.00154	0.00575	1	04/10/2018 15:31	WG1095656
n-Butylbenzene	U		0.000297	0.00115	1	04/10/2018 15:31	WG1095656
sec-Butylbenzene	U		0.000231	0.00115	1	04/10/2018 15:31	WG1095656
tert-Butylbenzene	U		0.000237	0.00115	1	04/10/2018 15:31	WG1095656
Carbon disulfide	U		0.000254	0.00115	1	04/10/2018 15:31	WG1095656
Carbon tetrachloride	U		0.000377	0.00115	1	04/10/2018 15:31	WG1095656
Chlorobenzene	U		0.000244	0.00115	1	04/10/2018 15:31	WG1095656
Chlorodibromomethane	U		0.000429	0.00115	1	04/10/2018 15:31	WG1095656
Chloroethane	U		0.00109	0.00575	1	04/10/2018 15:31	WG1095656
Chloroform	U		0.000264	0.00575	1	04/10/2018 15:31	WG1095656
Chloromethane	U		0.000432	0.00288	1	04/10/2018 15:31	WG1095656
2-Chlorotoluene	U		0.000346	0.00115	1	04/10/2018 15:31	WG1095656
4-Chlorotoluene	U		0.000276	0.00115	1	04/10/2018 15:31	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	04/10/2018 15:31	WG1095656
1,2-Dibromoethane	U		0.000395	0.00115	1	04/10/2018 15:31	WG1095656
Dibromomethane	U		0.000440	0.00115	1	04/10/2018 15:31	WG1095656
1,2-Dichlorobenzene	U		0.000351	0.00115	1	04/10/2018 15:31	WG1095656
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/10/2018 15:31	WG1095656
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/10/2018 15:31	WG1095656
Dichlorodifluoromethane	U		0.000821	0.00575	1	04/10/2018 15:31	WG1095656
1,1-Dichloroethane	U		0.000229	0.00115	1	04/10/2018 15:31	WG1095656
1,2-Dichloroethane	U		0.000305	0.00115	1	04/10/2018 15:31	WG1095656
1,1-Dichloroethene	0.000756	J	0.000349	0.00115	1	04/10/2018 15:31	WG1095656
cis-1,2-Dichloroethene	0.111		0.000270	0.00115	1	04/10/2018 15:31	WG1095656
trans-1,2-Dichloroethene	0.000810	J	0.000304	0.00115	1	04/10/2018 15:31	WG1095656
1,2-Dichloropropane	U		0.000412	0.00115	1	04/10/2018 15:31	WG1095656
1,1-Dichloropropene	U		0.000365	0.00115	1	04/10/2018 15:31	WG1095656
1,3-Dichloropropane	U		0.000238	0.00115	1	04/10/2018 15:31	WG1095656
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/10/2018 15:31	WG1095656
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/10/2018 15:31	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000895	0.00288	1	04/10/2018 15:31	WG1095656
2,2-Dichloropropane	U		0.000321	0.00115	1	04/10/2018 15:31	WG1095656
Di-isopropyl ether	U		0.000285	0.00115	1	04/10/2018 15:31	WG1095656
Ethylbenzene	U		0.000342	0.00115	1	04/10/2018 15:31	WG1095656
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/10/2018 15:31	WG1095656
2-Hexanone	U		0.00158	0.0115	1	04/10/2018 15:31	WG1095656
n-Hexane	U		0.000334	0.0115	1	04/10/2018 15:31	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00291	0.0115	1	04/10/2018 15:31	WG1095656
Isopropylbenzene	U		0.000280	0.00115	1	04/10/2018 15:31	WG1095656
p-Isopropyltoluene	U		0.000235	0.00115	1	04/10/2018 15:31	WG1095656
2-Butanone (MEK)	U		0.00539	0.0115	1	04/10/2018 15:31	WG1095656
Methylene Chloride	U		0.00115	0.00575	1	04/10/2018 15:31	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/10/2018 15:31	WG1095656
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/10/2018 15:31	WG1095656
Naphthalene	U		0.00115	0.00575	1	04/10/2018 15:31	WG1095656
n-Propylbenzene	U		0.000237	0.00115	1	04/10/2018 15:31	WG1095656
Styrene	U		0.000269	0.00115	1	04/10/2018 15:31	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/10/2018 15:31	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	04/10/2018 15:31	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	04/10/2018 15:31	WG1095656
Tetrachloroethene	4.08		0.0159	0.0575	50	04/11/2018 16:26	WG1095656
Toluene	U		0.000499	0.00575	1	04/10/2018 15:31	WG1095656
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/10/2018 15:31	WG1095656
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/10/2018 15:31	WG1095656
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/10/2018 15:31	WG1095656
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/10/2018 15:31	WG1095656
Trichloroethene	0.0528		0.000321	0.00115	1	04/10/2018 15:31	WG1095656
Trichlorofluoromethane	U		0.000440	0.00575	1	04/10/2018 15:31	WG1095656
1,2,3-Trichloropropane	U		0.000853	0.00288	1	04/10/2018 15:31	WG1095656
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/10/2018 15:31	WG1095656
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/10/2018 15:31	WG1095656
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/10/2018 15:31	WG1095656
Vinyl acetate	U		0.00275	0.0115	1	04/10/2018 15:31	WG1095656
Vinyl chloride	0.000703	J	0.000335	0.00115	1	04/10/2018 15:31	WG1095656
Xylenes, Total	U		0.000803	0.00345	1	04/10/2018 15:31	WG1095656
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 15:31*	WG1095656
(S) Toluene-d8	*109*			*80.0-120*		*04/11/2018 16:26*	WG1095656
(S) Dibromofluoromethane	*94.0*			*74.0-131*		*04/11/2018 16:26*	WG1095656
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/10/2018 15:31*	WG1095656
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/10/2018 15:31*	WG1095656
(S) 4-Bromofluorobenzene	*96.3*			*64.0-132*		*04/11/2018 16:26*	WG1095656

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	04/10/2018 13:44	WG1095945

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.129		0.0380	0.112	1	04/14/2018 09:28	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*04/14/2018 09:28*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0561	1	04/10/2018 15:51	WG1095656
Acrylonitrile	U		0.00201	0.0112	1	04/10/2018 15:51	WG1095656
Benzene	U		0.000303	0.00112	1	04/10/2018 15:51	WG1095656
Bromobenzene	U		0.000319	0.00112	1	04/10/2018 15:51	WG1095656
Bromodichloromethane	U		0.000285	0.00112	1	04/10/2018 15:51	WG1095656
Bromochloromethane	U		0.000438	0.00561	1	04/10/2018 15:51	WG1095656
Bromoform	U		0.000476	0.00112	1	04/10/2018 15:51	WG1095656
Bromomethane	U		0.00150	0.00561	1	04/10/2018 15:51	WG1095656
n-Butylbenzene	U		0.000290	0.00112	1	04/10/2018 15:51	WG1095656
sec-Butylbenzene	U		0.000226	0.00112	1	04/10/2018 15:51	WG1095656
tert-Butylbenzene	U		0.000231	0.00112	1	04/10/2018 15:51	WG1095656
Carbon disulfide	0.000277	J	0.000248	0.00112	1	04/10/2018 15:51	WG1095656
Carbon tetrachloride	U		0.000368	0.00112	1	04/10/2018 15:51	WG1095656
Chlorobenzene	U		0.000238	0.00112	1	04/10/2018 15:51	WG1095656
Chlorodibromomethane	U		0.000419	0.00112	1	04/10/2018 15:51	WG1095656
Chloroethane	U		0.00106	0.00561	1	04/10/2018 15:51	WG1095656
Chloroform	U		0.000257	0.00561	1	04/10/2018 15:51	WG1095656
Chloromethane	U		0.000421	0.00281	1	04/10/2018 15:51	WG1095656
2-Chlorotoluene	U		0.000338	0.00112	1	04/10/2018 15:51	WG1095656
4-Chlorotoluene	U		0.000269	0.00112	1	04/10/2018 15:51	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	04/10/2018 15:51	WG1095656
1,2-Dibromoethane	U		0.000385	0.00112	1	04/10/2018 15:51	WG1095656
Dibromomethane	U		0.000429	0.00112	1	04/10/2018 15:51	WG1095656
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/10/2018 15:51	WG1095656
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/10/2018 15:51	WG1095656
1,4-Dichlorobenzene	U		0.000254	0.00112	1	04/10/2018 15:51	WG1095656
Dichlorodifluoromethane	U		0.000800	0.00561	1	04/10/2018 15:51	WG1095656
1,1-Dichloroethane	U		0.000223	0.00112	1	04/10/2018 15:51	WG1095656
1,2-Dichloroethane	U		0.000297	0.00112	1	04/10/2018 15:51	WG1095656
1,1-Dichloroethene	0.000692	J	0.000340	0.00112	1	04/10/2018 15:51	WG1095656
cis-1,2-Dichloroethene	0.946		0.00660	0.0281	25	04/11/2018 16:05	WG1095656
trans-1,2-Dichloroethene	0.000460	J	0.000296	0.00112	1	04/10/2018 15:51	WG1095656
1,2-Dichloropropane	U		0.000402	0.00112	1	04/10/2018 15:51	WG1095656
1,1-Dichloropropene	U		0.000356	0.00112	1	04/10/2018 15:51	WG1095656
1,3-Dichloropropane	U		0.000232	0.00112	1	04/10/2018 15:51	WG1095656
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/10/2018 15:51	WG1095656
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	04/10/2018 15:51	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000873	0.00281	1	04/10/2018 15:51	WG1095656
2,2-Dichloropropane	U		0.000313	0.00112	1	04/10/2018 15:51	WG1095656
Di-isopropyl ether	U		0.000278	0.00112	1	04/10/2018 15:51	WG1095656
Ethylbenzene	U		0.000333	0.00112	1	04/10/2018 15:51	WG1095656
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/10/2018 15:51	WG1095656
2-Hexanone	U		0.00154	0.0112	1	04/10/2018 15:51	WG1095656
n-Hexane	U		0.000325	0.0112	1	04/10/2018 15:51	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00284	0.0112	1	04/10/2018 15:51	WG1095656
Isopropylbenzene	U		0.000273	0.00112	1	04/10/2018 15:51	WG1095656
p-Isopropyltoluene	U		0.000229	0.00112	1	04/10/2018 15:51	WG1095656
2-Butanone (MEK)	U		0.00525	0.0112	1	04/10/2018 15:51	WG1095656
Methylene Chloride	U		0.00112	0.00561	1	04/10/2018 15:51	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/10/2018 15:51	WG1095656
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/10/2018 15:51	WG1095656
Naphthalene	U		0.00112	0.00561	1	04/10/2018 15:51	WG1095656
n-Propylbenzene	U		0.000231	0.00112	1	04/10/2018 15:51	WG1095656
Styrene	U		0.000263	0.00112	1	04/10/2018 15:51	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/10/2018 15:51	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	04/10/2018 15:51	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	04/10/2018 15:51	WG1095656
Tetrachloroethene	0.00466		0.000310	0.00112	1	04/10/2018 15:51	WG1095656
Toluene	U		0.000487	0.00561	1	04/10/2018 15:51	WG1095656
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/10/2018 15:51	WG1095656
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/10/2018 15:51	WG1095656
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/10/2018 15:51	WG1095656
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/10/2018 15:51	WG1095656
Trichloroethene	0.0431		0.000313	0.00112	1	04/10/2018 15:51	WG1095656
Trichlorofluoromethane	U		0.000429	0.00561	1	04/10/2018 15:51	WG1095656
1,2,3-Trichloropropane	U		0.000831	0.00281	1	04/10/2018 15:51	WG1095656
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/10/2018 15:51	WG1095656
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/10/2018 15:51	WG1095656
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/10/2018 15:51	WG1095656
Vinyl acetate	U		0.00268	0.0112	1	04/10/2018 15:51	WG1095656
Vinyl chloride	0.0164		0.000327	0.00112	1	04/10/2018 15:51	WG1095656
Xylenes, Total	U		0.000783	0.00337	1	04/10/2018 15:51	WG1095656
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 15:51*	WG1095656
(S) Toluene-d8	*107*			*80.0-120*		*04/11/2018 16:05*	WG1095656
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/10/2018 15:51*	WG1095656
(S) Dibromofluoromethane	*93.4*			*74.0-131*		*04/11/2018 16:05*	WG1095656
(S) 4-Bromofluorobenzene	*96.6*			*64.0-132*		*04/10/2018 15:51*	WG1095656
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/11/2018 16:05*	WG1095656

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	04/10/2018 13:44	WG1095945

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0376	0.111	1	04/12/2018 04:15	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*04/12/2018 04:15*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0111	0.0555	1	04/10/2018 16:13	WG1095656
Acrylonitrile	U		0.00199	0.0111	1	04/10/2018 16:13	WG1095656
Benzene	U		0.000299	0.00111	1	04/10/2018 16:13	WG1095656
Bromobenzene	U		0.000315	0.00111	1	04/10/2018 16:13	WG1095656
Bromodichloromethane	U		0.000282	0.00111	1	04/10/2018 16:13	WG1095656
Bromochloromethane	U		0.000433	0.00555	1	04/10/2018 16:13	WG1095656
Bromoform	U		0.000470	0.00111	1	04/10/2018 16:13	WG1095656
Bromomethane	U		0.00149	0.00555	1	04/10/2018 16:13	WG1095656
n-Butylbenzene	U		0.000286	0.00111	1	04/10/2018 16:13	WG1095656
sec-Butylbenzene	U		0.000223	0.00111	1	04/10/2018 16:13	WG1095656
tert-Butylbenzene	U		0.000228	0.00111	1	04/10/2018 16:13	WG1095656
Carbon disulfide	U		0.000245	0.00111	1	04/10/2018 16:13	WG1095656
Carbon tetrachloride	U		0.000364	0.00111	1	04/10/2018 16:13	WG1095656
Chlorobenzene	U		0.000235	0.00111	1	04/10/2018 16:13	WG1095656
Chlorodibromomethane	U		0.000414	0.00111	1	04/10/2018 16:13	WG1095656
Chloroethane	U		0.00105	0.00555	1	04/10/2018 16:13	WG1095656
Chloroform	U		0.000254	0.00555	1	04/10/2018 16:13	WG1095656
Chloromethane	U		0.000416	0.00277	1	04/10/2018 16:13	WG1095656
2-Chlorotoluene	U		0.000334	0.00111	1	04/10/2018 16:13	WG1095656
4-Chlorotoluene	U		0.000266	0.00111	1	04/10/2018 16:13	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00555	1	04/10/2018 16:13	WG1095656
1,2-Dibromoethane	U		0.000380	0.00111	1	04/10/2018 16:13	WG1095656
Dibromomethane	U		0.000424	0.00111	1	04/10/2018 16:13	WG1095656
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/10/2018 16:13	WG1095656
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/10/2018 16:13	WG1095656
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/10/2018 16:13	WG1095656
Dichlorodifluoromethane	U		0.000791	0.00555	1	04/10/2018 16:13	WG1095656
1,1-Dichloroethane	U		0.000221	0.00111	1	04/10/2018 16:13	WG1095656
1,2-Dichloroethane	U		0.000294	0.00111	1	04/10/2018 16:13	WG1095656
1,1-Dichloroethene	U		0.000336	0.00111	1	04/10/2018 16:13	WG1095656
cis-1,2-Dichloroethene	0.00335		0.000261	0.00111	1	04/11/2018 15:44	WG1095656
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/10/2018 16:13	WG1095656
1,2-Dichloropropane	U		0.000397	0.00111	1	04/10/2018 16:13	WG1095656
1,1-Dichloropropene	U		0.000352	0.00111	1	04/10/2018 16:13	WG1095656
1,3-Dichloropropane	U		0.000230	0.00111	1	04/10/2018 16:13	WG1095656
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/10/2018 16:13	WG1095656
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/10/2018 16:13	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000863	0.00277	1	04/10/2018 16:13	WG1095656
2,2-Dichloropropane	U		0.000309	0.00111	1	04/10/2018 16:13	WG1095656
Di-isopropyl ether	U		0.000275	0.00111	1	04/10/2018 16:13	WG1095656
Ethylbenzene	U		0.000329	0.00111	1	04/10/2018 16:13	WG1095656
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/10/2018 16:13	WG1095656
2-Hexanone	U		0.00152	0.0111	1	04/10/2018 16:13	WG1095656
n-Hexane	U		0.000322	0.0111	1	04/10/2018 16:13	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00281	0.0111	1	04/10/2018 16:13	WG1095656
Isopropylbenzene	U		0.000269	0.00111	1	04/10/2018 16:13	WG1095656
p-Isopropyltoluene	U		0.000226	0.00111	1	04/10/2018 16:13	WG1095656
2-Butanone (MEK)	U		0.00519	0.0111	1	04/10/2018 16:13	WG1095656
Methylene Chloride	U		0.00111	0.00555	1	04/10/2018 16:13	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	04/10/2018 16:13	WG1095656
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/10/2018 16:13	WG1095656
Naphthalene	U		0.00111	0.00555	1	04/10/2018 16:13	WG1095656
n-Propylbenzene	U		0.000228	0.00111	1	04/10/2018 16:13	WG1095656
Styrene	U		0.000260	0.00111	1	04/10/2018 16:13	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/10/2018 16:13	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	04/10/2018 16:13	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	04/10/2018 16:13	WG1095656
Tetrachloroethene	0.00242		0.000306	0.00111	1	04/11/2018 15:44	WG1095656
Toluene	U		0.000481	0.00555	1	04/10/2018 16:13	WG1095656
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/10/2018 16:13	WG1095656
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/10/2018 16:13	WG1095656
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/10/2018 16:13	WG1095656
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/10/2018 16:13	WG1095656
Trichloroethene	0.000599	J	0.000309	0.00111	1	04/10/2018 16:13	WG1095656
Trichlorofluoromethane	U		0.000424	0.00555	1	04/10/2018 16:13	WG1095656
1,2,3-Trichloropropane	U		0.000822	0.00277	1	04/10/2018 16:13	WG1095656
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/10/2018 16:13	WG1095656
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/10/2018 16:13	WG1095656
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/10/2018 16:13	WG1095656
Vinyl acetate	U		0.00265	0.0111	1	04/10/2018 16:13	WG1095656
Vinyl chloride	0.000339	J	0.000323	0.00111	1	04/10/2018 16:13	WG1095656
Xylenes, Total	U		0.000774	0.00333	1	04/10/2018 16:13	WG1095656
(S) Toluene-d8	*101*			*80.0-120*		*04/10/2018 16:13*	WG1095656
(S) Toluene-d8	*101*			*80.0-120*		*04/11/2018 15:44*	WG1095656
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/10/2018 16:13*	WG1095656
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/11/2018 15:44*	WG1095656
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*04/11/2018 15:44*	WG1095656
(S) 4-Bromofluorobenzene	*98.9*			*64.0-132*		*04/10/2018 16:13*	WG1095656

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	04/10/2018 13:44	WG1095945

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0389	0.115	1	04/12/2018 04:39	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/12/2018 04:39*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0574	1	04/10/2018 16:34	WG1095656
Acrylonitrile	U		0.00205	0.0115	1	04/10/2018 16:34	WG1095656
Benzene	U		0.000310	0.00115	1	04/10/2018 16:34	WG1095656
Bromobenzene	U		0.000326	0.00115	1	04/10/2018 16:34	WG1095656
Bromodichloromethane	U		0.000291	0.00115	1	04/10/2018 16:34	WG1095656
Bromochloromethane	U		0.000447	0.00574	1	04/10/2018 16:34	WG1095656
Bromoform	U		0.000486	0.00115	1	04/10/2018 16:34	WG1095656
Bromomethane	U		0.00154	0.00574	1	04/10/2018 16:34	WG1095656
n-Butylbenzene	U		0.000296	0.00115	1	04/10/2018 16:34	WG1095656
sec-Butylbenzene	U		0.000231	0.00115	1	04/10/2018 16:34	WG1095656
tert-Butylbenzene	U		0.000236	0.00115	1	04/10/2018 16:34	WG1095656
Carbon disulfide	U		0.000254	0.00115	1	04/10/2018 16:34	WG1095656
Carbon tetrachloride	U		0.000376	0.00115	1	04/10/2018 16:34	WG1095656
Chlorobenzene	U		0.000243	0.00115	1	04/10/2018 16:34	WG1095656
Chlorodibromomethane	U		0.000428	0.00115	1	04/10/2018 16:34	WG1095656
Chloroethane	U		0.00109	0.00574	1	04/10/2018 16:34	WG1095656
Chloroform	U		0.000263	0.00574	1	04/10/2018 16:34	WG1095656
Chloromethane	U		0.000430	0.00287	1	04/10/2018 16:34	WG1095656
2-Chlorotoluene	U		0.000345	0.00115	1	04/10/2018 16:34	WG1095656
4-Chlorotoluene	U		0.000275	0.00115	1	04/10/2018 16:34	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00574	1	04/10/2018 16:34	WG1095656
1,2-Dibromoethane	U		0.000394	0.00115	1	04/10/2018 16:34	WG1095656
Dibromomethane	U		0.000438	0.00115	1	04/10/2018 16:34	WG1095656
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/10/2018 16:34	WG1095656
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/10/2018 16:34	WG1095656
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/10/2018 16:34	WG1095656
Dichlorodifluoromethane	U		0.000818	0.00574	1	04/10/2018 16:34	WG1095656
1,1-Dichloroethane	U		0.000228	0.00115	1	04/10/2018 16:34	WG1095656
1,2-Dichloroethane	U		0.000304	0.00115	1	04/10/2018 16:34	WG1095656
1,1-Dichloroethene	U		0.000348	0.00115	1	04/10/2018 16:34	WG1095656
cis-1,2-Dichloroethene	0.00789		0.000270	0.00115	1	04/10/2018 16:34	WG1095656
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/10/2018 16:34	WG1095656
1,2-Dichloropropane	U		0.000411	0.00115	1	04/10/2018 16:34	WG1095656
1,1-Dichloropropene	U		0.000364	0.00115	1	04/10/2018 16:34	WG1095656
1,3-Dichloropropane	U		0.000237	0.00115	1	04/10/2018 16:34	WG1095656
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/10/2018 16:34	WG1095656
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/10/2018 16:34	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	04/10/2018 16:34	WG1095656
2,2-Dichloropropane	U		0.000320	0.00115	1	04/10/2018 16:34	WG1095656
Di-isopropyl ether	U		0.000285	0.00115	1	04/10/2018 16:34	WG1095656
Ethylbenzene	U		0.000341	0.00115	1	04/10/2018 16:34	WG1095656
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/10/2018 16:34	WG1095656
2-Hexanone	U		0.00157	0.0115	1	04/10/2018 16:34	WG1095656
n-Hexane	U		0.000333	0.0115	1	04/10/2018 16:34	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00290	0.0115	1	04/10/2018 16:34	WG1095656
Isopropylbenzene	U		0.000279	0.00115	1	04/10/2018 16:34	WG1095656
p-Isopropyltoluene	U		0.000234	0.00115	1	04/10/2018 16:34	WG1095656
2-Butanone (MEK)	U		0.00537	0.0115	1	04/10/2018 16:34	WG1095656
Methylene Chloride	U		0.00115	0.00574	1	04/10/2018 16:34	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/10/2018 16:34	WG1095656
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/10/2018 16:34	WG1095656
Naphthalene	U		0.00115	0.00574	1	04/10/2018 16:34	WG1095656
n-Propylbenzene	U		0.000236	0.00115	1	04/10/2018 16:34	WG1095656
Styrene	U		0.000268	0.00115	1	04/10/2018 16:34	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/10/2018 16:34	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/10/2018 16:34	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/10/2018 16:34	WG1095656
Tetrachloroethene	0.00622		0.000317	0.00115	1	04/10/2018 16:34	WG1095656
Toluene	U		0.000498	0.00574	1	04/10/2018 16:34	WG1095656
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/10/2018 16:34	WG1095656
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	04/10/2018 16:34	WG1095656
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/10/2018 16:34	WG1095656
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/10/2018 16:34	WG1095656
Trichloroethene	0.00209		0.000320	0.00115	1	04/10/2018 16:34	WG1095656
Trichlorofluoromethane	U		0.000438	0.00574	1	04/10/2018 16:34	WG1095656
1,2,3-Trichloropropane	U		0.000850	0.00287	1	04/10/2018 16:34	WG1095656
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/10/2018 16:34	WG1095656
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/10/2018 16:34	WG1095656
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/10/2018 16:34	WG1095656
Vinyl acetate	U		0.00274	0.0115	1	04/10/2018 16:34	WG1095656
Vinyl chloride	0.00160		0.000334	0.00115	1	04/10/2018 16:34	WG1095656
Xylenes, Total	U		0.000801	0.00344	1	04/10/2018 16:34	WG1095656
(S) Toluene-d8	*99.8*			*80.0-120*		*04/10/2018 16:34*	WG1095656
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*04/10/2018 16:34*	WG1095656
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/10/2018 16:34*	WG1095656

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	04/10/2018 13:44	WG1095945

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0398	0.117	1	04/12/2018 05:03	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/12/2018 05:03*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0117	0.0587	1	04/10/2018 16:55	WG1095656
Acrylonitrile	U		0.00210	0.0117	1	04/10/2018 16:55	WG1095656
Benzene	U		0.000317	0.00117	1	04/10/2018 16:55	WG1095656
Bromobenzene	U		0.000334	0.00117	1	04/10/2018 16:55	WG1095656
Bromodichloromethane	U		0.000298	0.00117	1	04/10/2018 16:55	WG1095656
Bromochloromethane	U		0.000458	0.00587	1	04/10/2018 16:55	WG1095656
Bromoform	U		0.000498	0.00117	1	04/10/2018 16:55	WG1095656
Bromomethane	U		0.00157	0.00587	1	04/10/2018 16:55	WG1095656
n-Butylbenzene	U		0.000303	0.00117	1	04/10/2018 16:55	WG1095656
sec-Butylbenzene	U		0.000236	0.00117	1	04/10/2018 16:55	WG1095656
tert-Butylbenzene	U		0.000242	0.00117	1	04/10/2018 16:55	WG1095656
Carbon disulfide	U		0.000260	0.00117	1	04/10/2018 16:55	WG1095656
Carbon tetrachloride	U		0.000385	0.00117	1	04/10/2018 16:55	WG1095656
Chlorobenzene	U		0.000249	0.00117	1	04/10/2018 16:55	WG1095656
Chlorodibromomethane	U		0.000438	0.00117	1	04/10/2018 16:55	WG1095656
Chloroethane	U		0.00111	0.00587	1	04/10/2018 16:55	WG1095656
Chloroform	U		0.000269	0.00587	1	04/10/2018 16:55	WG1095656
Chloromethane	U		0.000441	0.00294	1	04/10/2018 16:55	WG1095656
2-Chlorotoluene	U		0.000354	0.00117	1	04/10/2018 16:55	WG1095656
4-Chlorotoluene	U		0.000282	0.00117	1	04/10/2018 16:55	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00587	1	04/10/2018 16:55	WG1095656
1,2-Dibromoethane	U		0.000403	0.00117	1	04/10/2018 16:55	WG1095656
Dibromomethane	U		0.000449	0.00117	1	04/10/2018 16:55	WG1095656
1,2-Dichlorobenzene	U		0.000358	0.00117	1	04/10/2018 16:55	WG1095656
1,3-Dichlorobenzene	U		0.000281	0.00117	1	04/10/2018 16:55	WG1095656
1,4-Dichlorobenzene	U		0.000266	0.00117	1	04/10/2018 16:55	WG1095656
Dichlorodifluoromethane	U		0.000838	0.00587	1	04/10/2018 16:55	WG1095656
1,1-Dichloroethane	U		0.000234	0.00117	1	04/10/2018 16:55	WG1095656
1,2-Dichloroethane	U		0.000311	0.00117	1	04/10/2018 16:55	WG1095656
1,1-Dichloroethene	U		0.000356	0.00117	1	04/10/2018 16:55	WG1095656
cis-1,2-Dichloroethene	0.00789		0.000276	0.00117	1	04/10/2018 16:55	WG1095656
trans-1,2-Dichloroethene	U		0.000310	0.00117	1	04/10/2018 16:55	WG1095656
1,2-Dichloropropane	U		0.000421	0.00117	1	04/10/2018 16:55	WG1095656
1,1-Dichloropropene	U		0.000372	0.00117	1	04/10/2018 16:55	WG1095656
1,3-Dichloropropane	U		0.000243	0.00117	1	04/10/2018 16:55	WG1095656
cis-1,3-Dichloropropene	U		0.000308	0.00117	1	04/10/2018 16:55	WG1095656
trans-1,3-Dichloropropene	U		0.000314	0.00117	1	04/10/2018 16:55	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000914	0.00294	1	04/10/2018 16:55	WG1095656
2,2-Dichloropropane	U		0.000328	0.00117	1	04/10/2018 16:55	WG1095656
Di-isopropyl ether	U		0.000291	0.00117	1	04/10/2018 16:55	WG1095656
Ethylbenzene	U		0.000349	0.00117	1	04/10/2018 16:55	WG1095656
Hexachloro-1,3-butadiene	U		0.000402	0.00117	1	04/10/2018 16:55	WG1095656
2-Hexanone	U		0.00161	0.0117	1	04/10/2018 16:55	WG1095656
n-Hexane	U		0.000341	0.0117	1	04/10/2018 16:55	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00297	0.0117	1	04/10/2018 16:55	WG1095656
Isopropylbenzene	U		0.000286	0.00117	1	04/10/2018 16:55	WG1095656
p-Isopropyltoluene	U		0.000240	0.00117	1	04/10/2018 16:55	WG1095656
2-Butanone (MEK)	U		0.00550	0.0117	1	04/10/2018 16:55	WG1095656
Methylene Chloride	U		0.00117	0.00587	1	04/10/2018 16:55	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0117	1	04/10/2018 16:55	WG1095656
Methyl tert-butyl ether	U		0.000249	0.00117	1	04/10/2018 16:55	WG1095656
Naphthalene	U		0.00117	0.00587	1	04/10/2018 16:55	WG1095656
n-Propylbenzene	U		0.000242	0.00117	1	04/10/2018 16:55	WG1095656
Styrene	U		0.000275	0.00117	1	04/10/2018 16:55	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000310	0.00117	1	04/10/2018 16:55	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000429	0.00117	1	04/10/2018 16:55	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00117	1	04/10/2018 16:55	WG1095656
Tetrachloroethene	0.00683		0.000324	0.00117	1	04/10/2018 16:55	WG1095656
Toluene	U		0.000510	0.00587	1	04/10/2018 16:55	WG1095656
1,2,3-Trichlorobenzene	U		0.000360	0.00117	1	04/10/2018 16:55	WG1095656
1,2,4-Trichlorobenzene	U		0.000456	0.00117	1	04/10/2018 16:55	WG1095656
1,1,1-Trichloroethane	U		0.000336	0.00117	1	04/10/2018 16:55	WG1095656
1,1,2-Trichloroethane	U		0.000325	0.00117	1	04/10/2018 16:55	WG1095656
Trichloroethene	0.00229		0.000328	0.00117	1	04/10/2018 16:55	WG1095656
Trichlorofluoromethane	U		0.000449	0.00587	1	04/10/2018 16:55	WG1095656
1,2,3-Trichloropropane	U		0.000871	0.00294	1	04/10/2018 16:55	WG1095656
1,2,4-Trimethylbenzene	U		0.000248	0.00117	1	04/10/2018 16:55	WG1095656
1,2,3-Trimethylbenzene	U		0.000337	0.00117	1	04/10/2018 16:55	WG1095656
1,3,5-Trimethylbenzene	U		0.000313	0.00117	1	04/10/2018 16:55	WG1095656
Vinyl acetate	U		0.00281	0.0117	1	04/10/2018 16:55	WG1095656
Vinyl chloride	0.000880	J	0.000342	0.00117	1	04/10/2018 16:55	WG1095656
Xylenes, Total	U		0.000820	0.00352	1	04/10/2018 16:55	WG1095656
(S) Toluene-d8	*105*			*80.0-120*		*04/10/2018 16:55*	WG1095656
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/10/2018 16:55*	WG1095656
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/10/2018 16:55*	WG1095656

Method Blank (MB)

(MB) R3300722-1 04/10/18 15:23

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

L984082-05 Original Sample (OS) • Duplicate (DUP)

(OS) L984082-05 04/10/18 15:23 • (DUP) R3300722-3 04/10/18 15:23

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.9	86.4	1	0.625		5

Laboratory Control Sample (LCS)

(LCS) R3300722-2 04/10/18 15:23

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

Method Blank (MB)

(MB) R3300701-1 04/10/18 13:44

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

L984272-04 Original Sample (OS) • Duplicate (DUP)

(OS) L984272-04 04/10/18 13:44 • (DUP) R3300701-3 04/10/18 13:44

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.9	83.3	1	0.765		5

Laboratory Control Sample (LCS)

(LCS) R3300701-2 04/10/18 13:44

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

Method Blank (MB)

(MB) R3301764-3 04/12/18 01:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*

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

(LCS) R3301764-1 04/11/18 23:52 • (LCSD) R3301764-2 04/12/18 00:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	5.41	5.56	98.4	101	70.0-133			2.68	20
(S) a,a,a-Trifluorotoluene(FID)				*109*	*110*	*77.0-120*				

Method Blank (MB)

(MB) R3300455-4 04/09/18 11:24

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

Method Blank (MB)

(MB) R3300455-4 04/09/18 11:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) Dibromofluoromethane	*97.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*

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

(LCS) R3300455-1 04/09/18 09:45 • (LCSD) R3300455-2 04/09/18 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0605	0.0593	48.4	47.5	11.0-160			2.03	23
Acrylonitrile	0.125	0.109	0.113	87.6	90.6	61.0-143			3.45	20
Benzene	0.0250	0.0241	0.0246	96.4	98.5	71.0-124			2.25	20
Bromobenzene	0.0250	0.0224	0.0220	89.8	88.1	78.0-120			1.83	20
Bromodichloromethane	0.0250	0.0213	0.0218	85.1	87.2	75.0-120			2.43	20
Bromochloromethane	0.0250	0.0265	0.0271	106	108	80.0-121			2.23	20
Bromoform	0.0250	0.0195	0.0194	77.9	77.6	65.0-133			0.416	20
Bromomethane	0.0250	0.0258	0.0263	103	105	26.0-160			1.71	20
n-Butylbenzene	0.0250	0.0256	0.0247	102	98.9	73.0-126			3.31	20
sec-Butylbenzene	0.0250	0.0262	0.0259	105	104	75.0-121			0.963	20
tert-Butylbenzene	0.0250	0.0262	0.0255	105	102	74.0-122			2.54	20
Carbon disulfide	0.0250	0.0200	0.0205	80.0	82.1	53.0-130			2.61	20
Carbon tetrachloride	0.0250	0.0246	0.0242	98.3	96.8	66.0-123			1.57	20
Chlorobenzene	0.0250	0.0295	0.0291	118	116	79.0-121			1.41	20
Chlorodibromomethane	0.0250	0.0246	0.0242	98.2	96.8	74.0-128			1.47	20
Chloroethane	0.0250	0.0238	0.0244	95.4	97.6	51.0-147			2.27	20
Chloroform	0.0250	0.0232	0.0240	92.6	96.0	73.0-123			3.58	20
Chloromethane	0.0250	0.0186	0.0189	74.3	75.5	51.0-138			1.63	20
2-Chlorotoluene	0.0250	0.0244	0.0243	97.7	97.0	72.0-124			0.667	20
4-Chlorotoluene	0.0250	0.0245	0.0241	98.2	96.4	78.0-120			1.80	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0235	0.0221	94.0	88.4	65.0-126			6.16	20
1,2-Dibromoethane	0.0250	0.0277	0.0270	111	108	78.0-122			2.76	20
Dibromomethane	0.0250	0.0232	0.0232	92.7	92.9	79.0-120			0.220	20
1,2-Dichlorobenzene	0.0250	0.0270	0.0260	108	104	80.0-120			3.44	20
1,3-Dichlorobenzene	0.0250	0.0272	0.0268	109	107	72.0-123			1.61	20
1,4-Dichlorobenzene	0.0250	0.0258	0.0253	103	101	77.0-120			1.79	20
trans-1,4-Dichloro-2-butene	0.0250	0.0197	0.0201	78.9	80.3	68.0-126			1.70	20
Dichlorodifluoromethane	0.0250	0.0199	0.0199	79.7	79.6	49.0-155			0.137	20
1,1-Dichloroethane	0.0250	0.0243	0.0249	97.2	99.7	70.0-128			2.46	20
1,2-Dichloroethane	0.0250	0.0238	0.0243	95.4	97.3	69.0-128			1.95	20
1,1-Dichloroethene	0.0250	0.0238	0.0235	95.1	93.9	63.0-131			1.30	20
cis-1,2-Dichloroethene	0.0250	0.0239	0.0240	95.4	96.1	74.0-123			0.698	20
trans-1,2-Dichloroethene	0.0250	0.0236	0.0238	94.5	95.2	72.0-122			0.686	20
1,2-Dichloropropane	0.0250	0.0243	0.0245	97.4	98.1	75.0-126			0.726	20
1,1-Dichloropropene	0.0250	0.0261	0.0264	105	106	72.0-130			1.01	20
1,3-Dichloropropane	0.0250	0.0279	0.0268	111	107	80.0-121			3.95	20
cis-1,3-Dichloropropene	0.0250	0.0267	0.0264	107	106	80.0-125			1.15	20
trans-1,3-Dichloropropene	0.0250	0.0266	0.0258	106	103	75.0-129			3.20	20
2,2-Dichloropropane	0.0250	0.0220	0.0235	88.1	94.2	60.0-129			6.60	20
Di-isopropyl ether	0.0250	0.0195	0.0200	78.0	80.1	62.0-133			2.72	20

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

(LCS) R3300455-1 04/09/18 09:45 • (LCSD) R3300455-2 04/09/18 10:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0272	0.0264	109	106	77.0-120			3.06	20
Hexachloro-1,3-butadiene	0.0250	0.0283	0.0273	113	109	68.0-128			3.51	20
2-Hexanone	0.125	0.121	0.115	97.0	92.4	61.0-143			4.86	20
n-Hexane	0.0250	0.0198	0.0207	79.0	82.8	57.0-125			4.62	20
Iodomethane	0.125	0.129	0.140	103	112	67.0-132			8.61	20
Isopropylbenzene	0.0250	0.0233	0.0231	93.2	92.3	75.0-120			0.996	20
p-Isopropyltoluene	0.0250	0.0272	0.0261	109	104	74.0-125			4.31	20
2-Butanone (MEK)	0.125	0.0739	0.0735	59.1	58.8	37.0-159			0.594	20
Methylene Chloride	0.0250	0.0236	0.0242	94.4	96.9	67.0-123			2.61	20
4-Methyl-2-pentanone (MIBK)	0.125	0.112	0.106	89.4	85.1	60.0-144			4.89	20
Methyl tert-butyl ether	0.0250	0.0234	0.0237	93.5	94.6	66.0-125			1.21	20
Naphthalene	0.0250	0.0266	0.0251	106	101	64.0-125			5.50	20
n-Propylbenzene	0.0250	0.0245	0.0242	98.0	96.8	78.0-120			1.30	20
Styrene	0.0250	0.0218	0.0218	87.1	87.3	78.0-124			0.226	20
1,1,1,2-Tetrachloroethane	0.0250	0.0262	0.0258	105	103	74.0-124			1.77	20
1,1,2,2-Tetrachloroethane	0.0250	0.0219	0.0212	87.7	85.0	73.0-120			3.20	20
Tetrachloroethene	0.0250	0.0303	0.0293	121	117	70.0-127			3.41	20
Toluene	0.0250	0.0266	0.0261	107	104	77.0-120			2.08	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0239	0.0249	95.4	99.5	64.0-135			4.16	20
1,2,3-Trichlorobenzene	0.0250	0.0309	0.0293	124	117	68.0-126			5.48	20
1,2,4-Trichlorobenzene	0.0250	0.0308	0.0291	123	116	70.0-127			5.63	20
1,1,1-Trichloroethane	0.0250	0.0225	0.0230	89.9	92.1	69.0-125			2.42	20
1,1,2-Trichloroethane	0.0250	0.0267	0.0259	107	104	78.0-120			3.15	20
Trichloroethene	0.0250	0.0282	0.0281	113	113	79.0-120			0.0940	20
Trichlorofluoromethane	0.0250	0.0265	0.0272	106	109	59.0-136			2.62	20
1,2,3-Trichloropropane	0.0250	0.0222	0.0213	88.6	85.4	73.0-124			3.70	20
1,2,3-Trimethylbenzene	0.0250	0.0269	0.0263	108	105	76.0-120			2.23	20
1,2,4-Trimethylbenzene	0.0250	0.0245	0.0242	98.0	96.8	75.0-120			1.19	20
1,3,5-Trimethylbenzene	0.0250	0.0249	0.0246	99.5	98.4	75.0-120			1.11	20
Vinyl acetate	0.125	0.0909	0.0896	72.7	71.7	58.0-156			1.40	20
Vinyl chloride	0.0250	0.0222	0.0226	89.0	90.6	63.0-134			1.78	20
Xylenes, Total	0.0750	0.0823	0.0800	110	107	77.0-120			2.83	20
(S) Toluene-d8				*110*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*98.5*	*99.0*	*74.0-131*				
(S) 4-Bromofluorobenzene				*90.9*	*89.1*	*64.0-132*				

Method Blank (MB)

(MB) R3300885-3 04/10/18 11:05

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

Method Blank (MB)

(MB) R3300885-3 04/10/18 11:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) Dibromofluoromethane	*96.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*

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

(LCS) R3300885-1 04/10/18 10:03 • (LCSD) R3300885-2 04/10/18 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.109	0.0990	87.1	79.2	11.0-160			9.53	23
Acrylonitrile	0.125	0.130	0.124	104	99.4	61.0-143			4.42	20
Benzene	0.0250	0.0246	0.0250	98.6	100	71.0-124			1.52	20
Bromobenzene	0.0250	0.0239	0.0247	95.6	98.9	78.0-120			3.34	20
Bromodichloromethane	0.0250	0.0248	0.0252	99.3	101	75.0-120			1.52	20
Bromochloromethane	0.0250	0.0255	0.0255	102	102	80.0-121			0.102	20
Bromoform	0.0250	0.0253	0.0251	101	100	65.0-133			0.772	20
Bromomethane	0.0250	0.0238	0.0237	95.4	94.7	26.0-160			0.749	20
n-Butylbenzene	0.0250	0.0254	0.0266	102	107	73.0-126			4.85	20
sec-Butylbenzene	0.0250	0.0248	0.0257	99.4	103	75.0-121			3.53	20
tert-Butylbenzene	0.0250	0.0251	0.0261	100	105	74.0-122			4.23	20
Carbon disulfide	0.0250	0.0252	0.0250	101	99.8	53.0-130			0.905	20
Carbon tetrachloride	0.0250	0.0265	0.0245	106	98.2	66.0-123			7.50	20
Chlorobenzene	0.0250	0.0270	0.0272	108	109	79.0-121			0.529	20
Chlorodibromomethane	0.0250	0.0269	0.0260	108	104	74.0-128			3.63	20
Chloroethane	0.0250	0.0226	0.0229	90.3	91.5	51.0-147			1.33	20
Chloroform	0.0250	0.0254	0.0255	101	102	73.0-123			0.544	20
Chloromethane	0.0250	0.0238	0.0239	95.3	95.4	51.0-138			0.0896	20
2-Chlorotoluene	0.0250	0.0249	0.0256	99.5	102	72.0-124			2.74	20
4-Chlorotoluene	0.0250	0.0239	0.0250	95.6	100	78.0-120			4.58	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0251	0.0253	100	101	65.0-126			0.846	20
1,2-Dibromoethane	0.0250	0.0269	0.0260	108	104	78.0-122			3.37	20
Dibromomethane	0.0250	0.0243	0.0255	97.1	102	79.0-120			4.97	20
1,2-Dichlorobenzene	0.0250	0.0253	0.0266	101	106	80.0-120			5.08	20
1,3-Dichlorobenzene	0.0250	0.0253	0.0261	101	104	72.0-123			3.18	20
1,4-Dichlorobenzene	0.0250	0.0241	0.0250	96.4	100	77.0-120			3.74	20
trans-1,4-Dichloro-2-butene	0.0250	0.0254	0.0247	102	98.7	68.0-126			2.87	20
Dichlorodifluoromethane	0.0250	0.0245	0.0239	98.0	95.8	49.0-155			2.36	20
1,1-Dichloroethane	0.0250	0.0259	0.0259	104	104	70.0-128			0.00656	20
1,2-Dichloroethane	0.0250	0.0250	0.0250	99.9	100	69.0-128			0.194	20
1,1-Dichloroethene	0.0250	0.0254	0.0257	102	103	63.0-131			1.09	20
cis-1,2-Dichloroethene	0.0250	0.0255	0.0257	102	103	74.0-123			0.803	20
trans-1,2-Dichloroethene	0.0250	0.0260	0.0261	104	104	72.0-122			0.360	20
1,2-Dichloropropane	0.0250	0.0261	0.0266	104	106	75.0-126			2.06	20
1,1-Dichloropropene	0.0250	0.0249	0.0258	99.5	103	72.0-130			3.45	20
1,3-Dichloropropane	0.0250	0.0263	0.0256	105	102	80.0-121			2.91	20
cis-1,3-Dichloropropene	0.0250	0.0266	0.0263	106	105	80.0-125			1.08	20
trans-1,3-Dichloropropene	0.0250	0.0268	0.0265	107	106	75.0-129			1.10	20
2,2-Dichloropropane	0.0250	0.0251	0.0254	100	102	60.0-129			1.11	20
Di-isopropyl ether	0.0250	0.0264	0.0263	106	105	62.0-133			0.195	20

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

(LCS) R3300885-1 04/10/18 10:03 • (LCSD) R3300885-2 04/10/18 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0270	0.0268	108	107	77.0-120			0.935	20
Hexachloro-1,3-butadiene	0.0250	0.0275	0.0296	110	118	68.0-128			7.49	20
2-Hexanone	0.125	0.139	0.129	111	103	61.0-143			7.47	20
n-Hexane	0.0250	0.0244	0.0249	97.5	99.6	57.0-125			2.22	20
Iodomethane	0.125	0.131	0.133	105	106	67.0-132			1.07	20
Isopropylbenzene	0.0250	0.0248	0.0259	99.3	103	75.0-120			4.13	20
p-Isopropyltoluene	0.0250	0.0263	0.0272	105	109	74.0-125			3.27	20
2-Butanone (MEK)	0.125	0.122	0.116	97.5	92.8	37.0-159			4.95	20
Methylene Chloride	0.0250	0.0254	0.0252	101	101	67.0-123			0.634	20
4-Methyl-2-pentanone (MIBK)	0.125	0.143	0.133	115	106	60.0-144			7.91	20
Methyl tert-butyl ether	0.0250	0.0261	0.0254	104	102	66.0-125			2.84	20
Naphthalene	0.0250	0.0252	0.0252	101	101	64.0-125			0.349	20
n-Propylbenzene	0.0250	0.0248	0.0255	99.2	102	78.0-120			2.62	20
Styrene	0.0250	0.0244	0.0256	97.7	102	78.0-124			4.82	20
1,1,1,2-Tetrachloroethane	0.0250	0.0285	0.0280	114	112	74.0-124			1.71	20
1,1,2,2-Tetrachloroethane	0.0250	0.0244	0.0241	97.5	96.3	73.0-120			1.30	20
Tetrachloroethene	0.0250	0.0274	0.0280	110	112	70.0-127			2.13	20
Toluene	0.0250	0.0253	0.0253	101	101	77.0-120			0.0366	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0268	0.0266	107	106	64.0-135			0.783	20
1,2,3-Trichlorobenzene	0.0250	0.0266	0.0274	107	110	68.0-126			2.87	20
1,2,4-Trichlorobenzene	0.0250	0.0261	0.0267	104	107	70.0-127			2.40	20
1,1,1-Trichloroethane	0.0250	0.0259	0.0259	103	104	69.0-125			0.307	20
1,1,2-Trichloroethane	0.0250	0.0256	0.0249	103	99.6	78.0-120			2.88	20
Trichloroethene	0.0250	0.0269	0.0280	108	112	79.0-120			3.73	20
Trichlorofluoromethane	0.0250	0.0244	0.0248	97.8	99.4	59.0-136			1.63	20
1,2,3-Trichloropropane	0.0250	0.0230	0.0243	91.8	97.2	73.0-124			5.68	20
1,2,3-Trimethylbenzene	0.0250	0.0248	0.0256	99.1	102	76.0-120			3.21	20
1,2,4-Trimethylbenzene	0.0250	0.0248	0.0258	99.2	103	75.0-120			3.82	20
1,3,5-Trimethylbenzene	0.0250	0.0253	0.0260	101	104	75.0-120			2.55	20
Vinyl acetate	0.125	0.121	0.114	96.6	91.3	58.0-156			5.58	20
Vinyl chloride	0.0250	0.0255	0.0255	102	102	63.0-134			0.0947	20
Xylenes, Total	0.0750	0.0831	0.0822	111	110	77.0-120			1.09	20
(S) Toluene-d8				*111*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*95.6*	*93.5*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.1*	*92.0*	*64.0-132*				

L984082-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984082-02 04/10/18 19:01 • (MS) R3300885-4 04/10/18 19:23 • (MSD) R3300885-5 04/10/18 19:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.147	U	11.3	11.0	76.9	74.8	100	10.0-160			2.65	36
Acrylonitrile	0.147	U	8.11	7.82	55.0	53.0	100	14.0-160			3.61	33
Benzene	0.0295	U	1.22	1.14	41.4	38.7	100	13.0-146			6.69	27
Bromobenzene	0.0295	U	1.35	1.28	45.8	43.3	100	10.0-149			5.41	33
Bromodichloromethane	0.0295	U	1.48	1.36	50.2	46.1	100	15.0-142			8.68	28
Bromochloromethane	0.0295	U	1.31	1.23	44.3	41.8	100	24.0-146			5.74	27
Bromoform	0.0295	U	1.49	1.42	50.4	48.0	100	10.0-147			4.86	31
Bromomethane	0.0295	U	0.784	0.708	26.6	24.0	100	10.0-160			10.2	32
n-Butylbenzene	0.0295	U	1.38	1.30	46.9	44.1	100	10.0-154			6.07	37
sec-Butylbenzene	0.0295	U	1.47	1.37	49.7	46.5	100	10.0-151			6.59	36
tert-Butylbenzene	0.0295	U	1.53	1.43	51.8	48.5	100	10.0-152			6.45	35
Carbon disulfide	0.0295	U	0.378	0.358	12.8	12.1	100	10.0-141			5.55	30
Carbon tetrachloride	0.0295	U	1.34	1.14	45.3	38.6	100	13.0-140			16.1	30
Chlorobenzene	0.0295	U	1.42	1.32	48.3	44.9	100	10.0-149			7.30	31
Chlorodibromomethane	0.0295	U	1.56	1.52	53.0	51.4	100	12.0-147			3.17	29
Chloroethane	0.0295	U	1.21	1.17	41.0	39.8	100	10.0-159			3.01	33
Chloroform	0.0295	U	1.46	1.33	49.4	45.2	100	18.0-148			8.82	28
Chloromethane	0.0295	U	0.775	0.729	26.3	24.7	100	10.0-146			6.14	29
2-Chlorotoluene	0.0295	U	1.41	1.34	47.8	45.5	100	10.0-151			4.85	35
4-Chlorotoluene	0.0295	U	1.34	1.27	45.4	43.1	100	10.0-150			5.18	35
1,2-Dibromo-3-Chloropropane	0.0295	U	1.42	1.39	48.2	47.2	100	10.0-149			2.16	34
1,2-Dibromoethane	0.0295	U	1.38	1.32	46.7	44.6	100	14.0-145			4.71	28
Dibromomethane	0.0295	U	1.34	1.26	45.5	42.7	100	18.0-144			6.49	27
1,2-Dichlorobenzene	0.0295	U	1.52	1.46	51.4	49.6	100	10.0-153			3.57	34
1,3-Dichlorobenzene	0.0295	U	1.45	1.36	49.3	46.2	100	10.0-150			6.59	35
1,4-Dichlorobenzene	0.0295	U	1.38	1.31	46.7	44.6	100	10.0-148			4.67	34
trans-1,4-Dichloro-2-butene	0.0295	U	1.55	1.45	52.4	49.1	100	10.0-160			6.56	40
Dichlorodifluoromethane	0.0295	U	1.01	0.934	34.1	31.7	100	10.0-160			7.30	30
1,1-Dichloroethane	0.0295	U	1.43	1.33	48.4	45.1	100	19.0-148			6.95	28
1,2-Dichloroethane	0.0295	U	1.41	1.27	47.7	43.2	100	17.0-147			10.0	27
1,1-Dichloroethene	0.0295	U	1.05	0.993	35.6	33.7	100	10.0-150			5.50	31
cis-1,2-Dichloroethene	0.0295	3.00	4.12	4.03	38.0	35.1	100	16.0-145			2.05	28
trans-1,2-Dichloroethene	0.0295	U	1.04	0.949	35.3	32.2	100	11.0-142			9.27	29
1,2-Dichloropropane	0.0295	U	1.52	1.37	51.6	46.6	100	17.0-148			10.2	28
1,1-Dichloropropene	0.0295	U	1.06	0.981	35.9	33.3	100	10.0-150			7.79	30
1,3-Dichloropropane	0.0295	U	1.46	1.37	49.4	46.3	100	16.0-148			6.54	27
cis-1,3-Dichloropropene	0.0295	U	1.42	1.31	48.1	44.5	100	13.0-150			7.68	28
trans-1,3-Dichloropropene	0.0295	U	1.48	1.38	50.2	46.7	100	10.0-152			7.30	29
2,2-Dichloropropane	0.0295	U	1.38	1.29	46.9	43.7	100	16.0-143			7.24	30

L984082-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984082-02 04/10/18 19:01 • (MS) R3300885-4 04/10/18 19:23 • (MSD) R3300885-5 04/10/18 19:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0295	U	1.59	1.49	53.9	50.4	100	16.0-149			6.72	28
Ethylbenzene	0.0295	U	1.35	1.26	45.9	42.9	100	10.0-147			6.74	31
Hexachloro-1,3-butadiene	0.0295	U	1.51	1.47	51.1	49.9	100	10.0-154			2.35	40
2-Hexanone	0.147	U	9.14	9.24	62.0	62.6	100	12.0-158			1.07	30
n-Hexane	0.0295	U	0.594	0.542	20.1	18.4	100	10.0-140			9.00	34
Iodomethane	0.147	U	5.13	4.76	34.8	32.3	100	10.0-157			7.54	34
Isopropylbenzene	0.0295	U	1.41	1.32	47.9	44.6	100	10.0-147			7.04	33
p-Isopropyltoluene	0.0295	U	1.50	1.40	50.8	47.6	100	10.0-156			6.56	37
2-Butanone (MEK)	0.147	U	9.78	9.57	66.3	64.9	100	10.0-160			2.17	33
Methylene Chloride	0.0295	U	1.27	1.19	43.2	40.3	100	16.0-139			6.91	29
4-Methyl-2-pentanone (MIBK)	0.147	U	8.18	8.05	55.5	54.6	100	12.0-160			1.54	32
Methyl tert-butyl ether	0.0295	U	1.57	1.51	53.4	51.3	100	21.0-145			4.04	29
Naphthalene	0.0295	U	1.43	1.43	48.6	48.3	100	10.0-153			0.554	36
n-Propylbenzene	0.0295	U	1.38	1.27	46.7	43.0	100	10.0-151			8.31	34
Styrene	0.0295	U	1.40	1.32	47.6	44.8	100	10.0-155			6.21	34
1,1,1,2-Tetrachloroethane	0.0295	U	1.60	1.51	54.4	51.2	100	10.0-147			6.03	30
1,1,2,2-Tetrachloroethane	0.0295	U	1.52	1.46	51.4	49.4	100	10.0-155			4.04	31
Tetrachloroethene	0.0295	16.8	16.9	16.6	4.26	0.000	100	10.0-144	E V	E V	1.97	32
Toluene	0.0295	U	1.22	1.14	41.5	38.6	100	10.0-144			7.22	28
1,1,2-Trichlorotrifluoroethane	0.0295	U	1.37	1.29	46.4	43.8	100	10.0-153			5.77	33
1,2,3-Trichlorobenzene	0.0295	U	1.48	1.46	50.1	49.7	100	10.0-153			0.771	40
1,2,4-Trichlorobenzene	0.0295	U	1.40	1.33	47.6	45.1	100	10.0-156			5.33	40
1,1,1-Trichloroethane	0.0295	U	1.40	1.31	47.5	44.3	100	18.0-145			6.88	29
1,1,2-Trichloroethane	0.0295	U	1.53	1.44	51.7	48.8	100	12.0-151			5.88	28
Trichloroethene	0.0295	3.57	4.74	4.67	39.5	37.2	100	11.0-148			1.49	29
Trichlorofluoromethane	0.0295	U	1.30	1.24	43.9	42.0	100	10.0-157			4.48	34
1,2,3-Trichloropropane	0.0295	U	1.55	1.42	52.6	48.1	100	10.0-154			9.04	32
1,2,3-Trimethylbenzene	0.0295	U	1.44	1.38	48.8	46.9	100	10.0-150			3.77	33
1,2,4-Trimethylbenzene	0.0295	0.0317	1.43	1.34	47.4	44.2	100	10.0-151			6.78	34
1,3,5-Trimethylbenzene	0.0295	U	1.42	1.31	48.2	44.6	100	10.0-150			7.70	33
Vinyl acetate	0.147	U	6.10	6.14	41.4	41.7	100	10.0-160			0.741	40
Vinyl chloride	0.0295	0.382	1.24	1.17	29.1	26.6	100	10.0-150			6.13	29
Xylenes, Total	0.0885	U	4.10	3.88	46.4	43.9	100	10.0-150			5.61	31
(S) Toluene-d8					*108*	*108*		*80.0-120*				
(S) Dibromofluoromethane					*95.2*	*95.1*		*74.0-131*				
(S) 4-Bromofluorobenzene					*92.1*	*92.4*		*64.0-132*				

Sample Narrative:

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

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
V	The sample concentration is too high to evaluate accurate spike recoveries.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

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

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

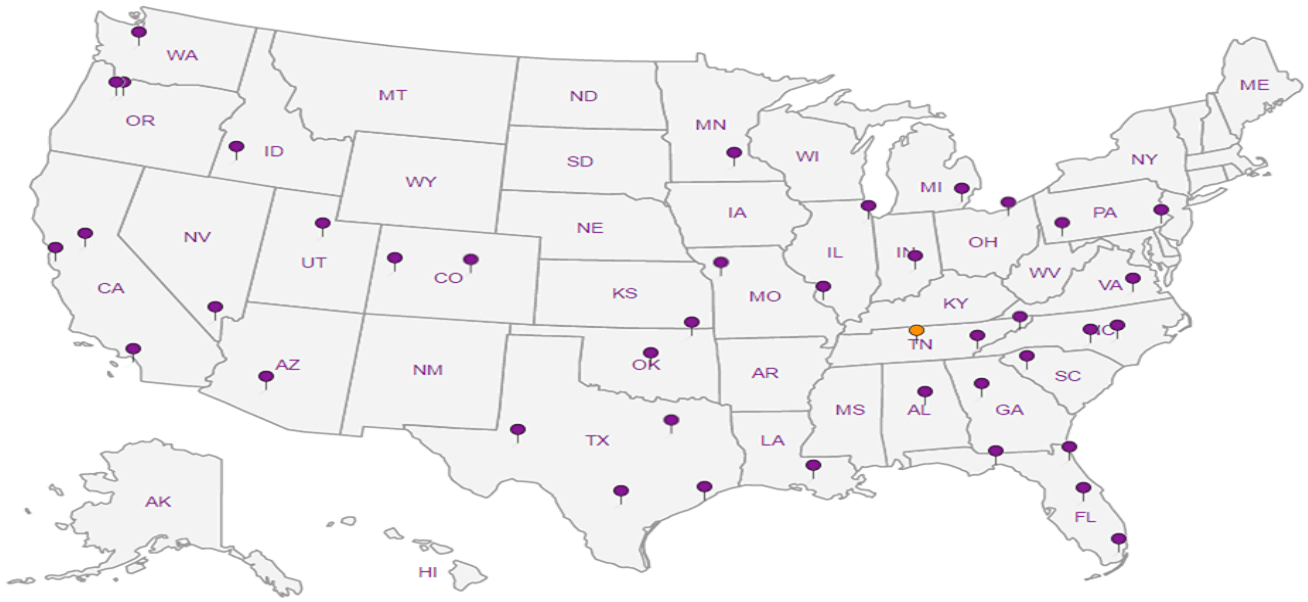
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Report to: Brian O'Neal/Bill Haldeman

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

Project Description:

City/State Collected: Seattle WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R. McLaughlin

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	NWTPH-Gx							Remarks	Sample # (lab only)
MW-158-20	Grab	SS	20	4-5-18	1005	5	X	X	X								01
MW-158-30		SS	30		1027												02
MW-158A-40		SS	40		1400												03
MW-158A-50		SS	50		1420												04
MW-158A-60		SS	60		1445												05
MW-158A-70		SS	70	X	1555												06
MW-158A-80		SS	80	4-6-18	0931												07
MW-158A-90		SS	90		1005												08
MW-158A-100	X	SS	100	X	1105	X	X	X	X								09
		SS															

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

Remarks: Tier 2 lab QA/QC (batch QC ok)
Email data results OK

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 4769 9216 3162

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
R. T. McLaughlin	04/06/18	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 1.9 °C Bottles Received: 45

Date: 4/7/18 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
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L# 584682

E154

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEX Ground

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0384	0.113	1	04/12/2018 01:51	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*04/12/2018 01:51*	WG1096314

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0113	0.0566	1	04/09/2018 18:38	WG1094855
Acrylonitrile	U			0.00203	0.0113	1	04/09/2018 18:38	WG1094855
Benzene	0.000584	J	J	0.000306	0.00113	1	04/09/2018 18:38	WG1094855
Bromobenzene	U			0.000322	0.00113	1	04/09/2018 18:38	WG1094855
Bromodichloromethane	U			0.000288	0.00113	1	04/09/2018 18:38	WG1094855
Bromochloromethane	U			0.000442	0.00566	1	04/09/2018 18:38	WG1094855
Bromoform	U	UJ	J0	0.000480	0.00113	1	04/09/2018 18:38	WG1094855
Bromomethane	U			0.00152	0.00566	1	04/09/2018 18:38	WG1094855
n-Butylbenzene	U			0.000292	0.00113	1	04/09/2018 18:38	WG1094855
sec-Butylbenzene	U			0.000228	0.00113	1	04/09/2018 18:38	WG1094855
tert-Butylbenzene	U			0.000233	0.00113	1	04/09/2018 18:38	WG1094855
Carbon disulfide	0.000327	J	J	0.000250	0.00113	1	04/09/2018 18:38	WG1094855
Carbon tetrachloride	U			0.000372	0.00113	1	04/09/2018 18:38	WG1094855
Chlorobenzene	U			0.000240	0.00113	1	04/09/2018 18:38	WG1094855
Chlorodibromomethane	U			0.000423	0.00113	1	04/09/2018 18:38	WG1094855
Chloroethane	U			0.00107	0.00566	1	04/09/2018 18:38	WG1094855
Chloroform	U			0.000259	0.00566	1	04/09/2018 18:38	WG1094855
Chloromethane	U	UJ	J0	0.000425	0.00283	1	04/09/2018 18:38	WG1094855
2-Chlorotoluene	U			0.000341	0.00113	1	04/09/2018 18:38	WG1094855
4-Chlorotoluene	U			0.000272	0.00113	1	04/09/2018 18:38	WG1094855
1,2-Dibromo-3-Chloropropane	U			0.00119	0.00566	1	04/09/2018 18:38	WG1094855
1,2-Dibromoethane	U			0.000389	0.00113	1	04/09/2018 18:38	WG1094855
Dibromomethane	U			0.000433	0.00113	1	04/09/2018 18:38	WG1094855
1,2-Dichlorobenzene	U			0.000345	0.00113	1	04/09/2018 18:38	WG1094855
1,3-Dichlorobenzene	U			0.000271	0.00113	1	04/09/2018 18:38	WG1094855
1,4-Dichlorobenzene	U			0.000256	0.00113	1	04/09/2018 18:38	WG1094855
Dichlorodifluoromethane	U	UJ	J0	0.000808	0.00566	1	04/09/2018 18:38	WG1094855
1,1-Dichloroethane	U			0.000225	0.00113	1	04/09/2018 18:38	WG1094855
1,2-Dichloroethane	U			0.000300	0.00113	1	04/09/2018 18:38	WG1094855
1,1-Dichloroethene	U			0.000343	0.00113	1	04/09/2018 18:38	WG1094855
cis-1,2-Dichloroethene	U			0.000266	0.00113	1	04/09/2018 18:38	WG1094855
trans-1,2-Dichloroethene	U			0.000299	0.00113	1	04/09/2018 18:38	WG1094855
1,2-Dichloropropane	U			0.000406	0.00113	1	04/09/2018 18:38	WG1094855
1,1-Dichloropropene	U			0.000359	0.00113	1	04/09/2018 18:38	WG1094855
1,3-Dichloropropane	U			0.000234	0.00113	1	04/09/2018 18:38	WG1094855
cis-1,3-Dichloropropene	U			0.000297	0.00113	1	04/09/2018 18:38	WG1094855
trans-1,3-Dichloropropene	U			0.000302	0.00113	1	04/09/2018 18:38	WG1094855
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000881	0.00283	1	04/09/2018 18:38	WG1094855
2,2-Dichloropropane	U			0.000316	0.00113	1	04/09/2018 18:38	WG1094855
Di-isopropyl ether	U	UJ	J0	0.000281	0.00113	1	04/09/2018 18:38	WG1094855
Ethylbenzene	U			0.000336	0.00113	1	04/09/2018 18:38	WG1094855
Hexachloro-1,3-butadiene	U			0.000387	0.00113	1	04/09/2018 18:38	WG1094855
2-Hexanone	U			0.00155	0.0113	1	04/09/2018 18:38	WG1094855
n-Hexane	U			0.000328	0.0113	1	04/09/2018 18:38	WG1094855

JC 4/25/18

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00287	0.0113	1	04/09/2018 18:38	WG1094855
Isopropylbenzene	U		0.000275	0.00113	1	04/09/2018 18:38	WG1094855
p-Isopropyltoluene	U		0.000231	0.00113	1	04/09/2018 18:38	WG1094855
2-Butanone (MEK)	U	UJ J0	0.00530	0.0113	1	04/09/2018 18:38	WG1094855
Methylene Chloride	U		0.00113	0.00566	1	04/09/2018 18:38	WG1094855
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/09/2018 18:38	WG1094855
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/09/2018 18:38	WG1094855
Naphthalene	U		0.00113	0.00566	1	04/09/2018 18:38	WG1094855
n-Propylbenzene	U		0.000233	0.00113	1	04/09/2018 18:38	WG1094855
Styrene	U		0.000265	0.00113	1	04/09/2018 18:38	WG1094855
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/09/2018 18:38	WG1094855
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	04/09/2018 18:38	WG1094855
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	04/09/2018 18:38	WG1094855
Tetrachloroethene	U		0.000313	0.00113	1	04/09/2018 18:38	WG1094855
Toluene	U		0.000492	0.00566	1	04/09/2018 18:38	WG1094855
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/09/2018 18:38	WG1094855
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	04/09/2018 18:38	WG1094855
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/09/2018 18:38	WG1094855
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/09/2018 18:38	WG1094855
Trichloroethene	U		0.000316	0.00113	1	04/09/2018 18:38	WG1094855
Trichlorofluoromethane	U		0.000433	0.00566	1	04/09/2018 18:38	WG1094855
1,2,3-Trichloropropane	U		0.000839	0.00283	1	04/09/2018 18:38	WG1094855
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/09/2018 18:38	WG1094855
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/09/2018 18:38	WG1094855
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/09/2018 18:38	WG1094855
Vinyl acetate	U	UJ J0	0.00271	0.0113	1	04/09/2018 18:38	WG1094855
Vinyl chloride	U		0.000330	0.00113	1	04/09/2018 18:38	WG1094855
Xylenes, Total	U		0.000791	0.00340	1	04/09/2018 18:38	WG1094855
(S) Toluene-d8	*106*			*80.0-120*		*04/09/2018 18:38*	WG1094855
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/09/2018 18:38*	WG1094855
(S) 4-Bromofluorobenzene	*90.1*			*64.0-132*		*04/09/2018 18:38*	WG1094855

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.50	J	0.0400	0.118	1	04/16/2018 15:34	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/16/2018 15:34*	WG1096314

Sample Narrative:

L984082-02 WG1096314: IS/SURR confirmed low on both runs.

SEE PAGE 19/20 Form 1s revised by ESC 5/2/18

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.18	5.90	100	04/10/2018 19:01	WG1095656
Acrylonitrile	U		0.211	1.18	100	04/10/2018 19:01	WG1095656
Benzene	U		0.0318	0.118	100	04/10/2018 19:01	WG1095656
Bromobenzene	U		0.0335	0.118	100	04/10/2018 19:01	WG1095656
Bromodichloromethane	U		0.0300	0.118	100	04/10/2018 19:01	WG1095656
Bromochloromethane	U		0.0460	0.590	100	04/10/2018 19:01	WG1095656
Bromoform	U		0.0500	0.118	100	04/10/2018 19:01	WG1095656
Bromomethane	U		0.158	0.590	100	04/10/2018 19:01	WG1095656
n-Butylbenzene	U		0.0304	0.118	100	04/10/2018 19:01	WG1095656
sec-Butylbenzene	U		0.0237	0.118	100	04/10/2018 19:01	WG1095656
tert-Butylbenzene	U		0.0243	0.118	100	04/10/2018 19:01	WG1095656
Carbon disulfide	U		0.0261	0.118	100	04/10/2018 19:01	WG1095656
Carbon tetrachloride	U		0.0387	0.118	100	04/10/2018 19:01	WG1095656
Chlorobenzene	U		0.0250	0.118	100	04/10/2018 19:01	WG1095656
Chlorodibromomethane	U		0.0440	0.118	100	04/10/2018 19:01	WG1095656
Chloroethane	U		0.112	0.590	100	04/10/2018 19:01	WG1095656
Chloroform	U		0.0270	0.590	100	04/10/2018 19:01	WG1095656
Chloromethane	U		0.0442	0.295	100	04/10/2018 19:01	WG1095656
2-Chlorotoluene	U		0.0355	0.118	100	04/10/2018 19:01	WG1095656
4-Chlorotoluene	U		0.0283	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.124	0.590	100	04/10/2018 19:01	WG1095656
1,2-Dibromoethane	U		0.0405	0.118	100	04/10/2018 19:01	WG1095656
Dibromomethane	U		0.0451	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dichlorobenzene	U		0.0360	0.118	100	04/10/2018 19:01	WG1095656
1,3-Dichlorobenzene	U		0.0282	0.118	100	04/10/2018 19:01	WG1095656
1,4-Dichlorobenzene	U		0.0267	0.118	100	04/10/2018 19:01	WG1095656
Dichlorodifluoromethane	U		0.0841	0.590	100	04/10/2018 19:01	WG1095656
1,1-Dichloroethane	U		0.0235	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dichloroethane	U		0.0313	0.118	100	04/10/2018 19:01	WG1095656
1,1-Dichloroethene	U		0.0357	0.118	100	04/10/2018 19:01	WG1095656
cis-1,2-Dichloroethene	3.00		0.0277	0.118	100	04/10/2018 19:01	WG1095656
trans-1,2-Dichloroethene	U		0.0311	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dichloropropane	U		0.0422	0.118	100	04/10/2018 19:01	WG1095656
1,1-Dichloropropene	U		0.0374	0.118	100	04/10/2018 19:01	WG1095656
1,3-Dichloropropane	U		0.0244	0.118	100	04/10/2018 19:01	WG1095656
cis-1,3-Dichloropropene	U		0.0309	0.118	100	04/10/2018 19:01	WG1095656
trans-1,3-Dichloropropene	U		0.0315	0.118	100	04/10/2018 19:01	WG1095656
trans-1,4-Dichloro-2-butene	U		0.0918	0.295	100	04/10/2018 19:01	WG1095656
2,2-Dichloropropane	U		0.0329	0.118	100	04/10/2018 19:01	WG1095656
Di-isopropyl ether	U		0.0293	0.118	100	04/10/2018 19:01	WG1095656
Ethylbenzene	U		0.0350	0.118	100	04/10/2018 19:01	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.0403	0.118	100	04/10/2018 19:01	WG1095656
2-Hexanone	U		0.162	1.18	100	04/10/2018 19:01	WG1095656
n-Hexane	U		0.0342	1.18	100	04/10/2018 19:01	WG1095656
Iodomethane	U		0.298	1.18	100	04/10/2018 19:01	WG1095656
Isopropylbenzene	U		0.0287	0.118	100	04/10/2018 19:01	WG1095656
p-Isopropyltoluene	U		0.0241	0.118	100	04/10/2018 19:01	WG1095656
2-Butanone (MEK)	U		0.552	1.18	100	04/10/2018 19:01	WG1095656
Methylene Chloride	U		0.118	0.590	100	04/10/2018 19:01	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.222	1.18	100	04/10/2018 19:01	WG1095656
Methyl tert-butyl ether	U		0.0250	0.118	100	04/10/2018 19:01	WG1095656
Naphthalene	U		0.118	0.590	100	04/10/2018 19:01	WG1095656
n-Propylbenzene	U		0.0243	0.118	100	04/10/2018 19:01	WG1095656
Styrene	U		0.0276	0.118	100	04/10/2018 19:01	WG1095656
1,1,1,2-Tetrachloroethane	U		0.0311	0.118	100	04/10/2018 19:01	WG1095656
1,1,2,2-Tetrachloroethane	U		0.0431	0.118	100	04/10/2018 19:01	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.0431	0.118	100	04/10/2018 19:01	WG1095656
Tetrachloroethene	15.1		0.326	1.18	1000	04/11/2018 17:29	WG1095656
Toluene	U		0.0512	0.590	100	04/10/2018 19:01	WG1095656
1,2,3-Trichlorobenzene	U		0.0361	0.118	100	04/10/2018 19:01	WG1095656
1,2,4-Trichlorobenzene	U		0.0458	0.118	100	04/10/2018 19:01	WG1095656
1,1,1-Trichloroethane	U		0.0337	0.118	100	04/10/2018 19:01	WG1095656
1,1,2-Trichloroethane	U		0.0327	0.118	100	04/10/2018 19:01	WG1095656
Trichloroethene	3.57		0.0329	0.118	100	04/10/2018 19:01	WG1095656
Trichlorofluoromethane	U		0.0451	0.590	100	04/10/2018 19:01	WG1095656
1,2,3-Trichloropropane	U		0.0874	0.295	100	04/10/2018 19:01	WG1095656
1,2,4-Trimethylbenzene	0.0317	J	0.0249	0.118	100	04/10/2018 19:01	WG1095656
1,2,3-Trimethylbenzene	U		0.0339	0.118	100	04/10/2018 19:01	WG1095656
1,3,5-Trimethylbenzene	U		0.0314	0.118	100	04/10/2018 19:01	WG1095656
Vinyl acetate	U		0.282	1.18	100	04/10/2018 19:01	WG1095656
Vinyl chloride	0.382		0.0343	0.118	100	04/10/2018 19:01	WG1095656
Xylenes, Total	U		0.0823	0.354	100	04/10/2018 19:01	WG1095656
(S) Toluene-d8	*110*			*80.0-120*		*04/10/2018 19:01*	WG1095656
(S) Toluene-d8	*111*			*80.0-120*		*04/11/2018 17:29*	WG1095656
(S) Dibromofluoromethane	*93.8*			*74.0-131*		*04/11/2018 17:29*	WG1095656
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*04/10/2018 19:01*	WG1095656
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*04/10/2018 19:01*	WG1095656
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*04/11/2018 17:29*	WG1095656

Sample Narrative:

L984082-02 WG1095656: Cannot be analyzed at a lower dilution due to high levels of target and non-target analytes.

JC 4/25/18

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.1		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.839		0.0418	0.123	1	04/12/2018 02:39	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*04/12/2018 02:39*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0123	0.0616	1	04/10/2018 14:49	WG1095656
Acrylonitrile	U		0.00221	0.0123	1	04/10/2018 14:49	WG1095656
Benzene	0.000424	J J	0.000333	0.00123	1	04/10/2018 14:49	WG1095656
Bromobenzene	U		0.000350	0.00123	1	04/10/2018 14:49	WG1095656
Bromodichloromethane	U		0.000313	0.00123	1	04/10/2018 14:49	WG1095656
Bromochloromethane	U		0.000481	0.00616	1	04/10/2018 14:49	WG1095656
Bromoform	U		0.000523	0.00123	1	04/10/2018 14:49	WG1095656
Bromomethane	U		0.00165	0.00616	1	04/10/2018 14:49	WG1095656
n-Butylbenzene	U		0.000318	0.00123	1	04/10/2018 14:49	WG1095656
sec-Butylbenzene	U		0.000248	0.00123	1	04/10/2018 14:49	WG1095656
tert-Butylbenzene	U		0.000254	0.00123	1	04/10/2018 14:49	WG1095656
Carbon disulfide	0.000620	J J	0.000272	0.00123	1	04/10/2018 14:49	WG1095656
Carbon tetrachloride	U		0.000404	0.00123	1	04/10/2018 14:49	WG1095656
Chlorobenzene	U		0.000261	0.00123	1	04/10/2018 14:49	WG1095656
Chlorodibromomethane	U		0.000460	0.00123	1	04/10/2018 14:49	WG1095656
Chloroethane	U		0.00117	0.00616	1	04/10/2018 14:49	WG1095656
Chloroform	U		0.000282	0.00616	1	04/10/2018 14:49	WG1095656
Chloromethane	U		0.000462	0.00308	1	04/10/2018 14:49	WG1095656
2-Chlorotoluene	U		0.000371	0.00123	1	04/10/2018 14:49	WG1095656
4-Chlorotoluene	U		0.000296	0.00123	1	04/10/2018 14:49	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00129	0.00616	1	04/10/2018 14:49	WG1095656
1,2-Dibromoethane	U		0.000423	0.00123	1	04/10/2018 14:49	WG1095656
Dibromomethane	U		0.000471	0.00123	1	04/10/2018 14:49	WG1095656
1,2-Dichlorobenzene	U		0.000376	0.00123	1	04/10/2018 14:49	WG1095656
1,3-Dichlorobenzene	U		0.000295	0.00123	1	04/10/2018 14:49	WG1095656
1,4-Dichlorobenzene	U		0.000279	0.00123	1	04/10/2018 14:49	WG1095656
Dichlorodifluoromethane	U		0.000879	0.00616	1	04/10/2018 14:49	WG1095656
1,1-Dichloroethane	U		0.000245	0.00123	1	04/10/2018 14:49	WG1095656
1,2-Dichloroethane	U		0.000327	0.00123	1	04/10/2018 14:49	WG1095656
1,1-Dichloroethene	0.000568	J J	0.000374	0.00123	1	04/10/2018 14:49	WG1095656
cis-1,2-Dichloroethene	0.168		0.000290	0.00123	1	04/10/2018 14:49	WG1095656
trans-1,2-Dichloroethene	0.000547	J J	0.000325	0.00123	1	04/10/2018 14:49	WG1095656
1,2-Dichloropropane	U		0.000441	0.00123	1	04/10/2018 14:49	WG1095656
1,1-Dichloropropene	U		0.000391	0.00123	1	04/10/2018 14:49	WG1095656
1,3-Dichloropropane	U		0.000255	0.00123	1	04/10/2018 14:49	WG1095656
cis-1,3-Dichloropropene	U		0.000323	0.00123	1	04/10/2018 14:49	WG1095656
trans-1,3-Dichloropropene	U		0.000329	0.00123	1	04/10/2018 14:49	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000959	0.00308	1	04/10/2018 14:49	WG1095656
2,2-Dichloropropane	U		0.000344	0.00123	1	04/10/2018 14:49	WG1095656
Di-isopropyl ether	U		0.000306	0.00123	1	04/10/2018 14:49	WG1095656
Ethylbenzene	U		0.000366	0.00123	1	04/10/2018 14:49	WG1095656
Hexachloro-1,3-butadiene	U		0.000422	0.00123	1	04/10/2018 14:49	WG1095656
2-Hexanone	U		0.00169	0.0123	1	04/10/2018 14:49	WG1095656
n-Hexane	U		0.000357	0.0123	1	04/10/2018 14:49	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00312	0.0123	1	04/10/2018 14:49	WG1095656
Isopropylbenzene	U		0.000300	0.00123	1	04/10/2018 14:49	WG1095656
p-Isopropyltoluene	U		0.000251	0.00123	1	04/10/2018 14:49	WG1095656
2-Butanone (MEK)	U		0.00577	0.0123	1	04/10/2018 14:49	WG1095656
Methylene Chloride	U		0.00123	0.00616	1	04/10/2018 14:49	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0123	1	04/10/2018 14:49	WG1095656
Methyl tert-butyl ether	U		0.000261	0.00123	1	04/10/2018 14:49	WG1095656
Naphthalene	U		0.00123	0.00616	1	04/10/2018 14:49	WG1095656
n-Propylbenzene	U		0.000254	0.00123	1	04/10/2018 14:49	WG1095656
Styrene	U		0.000288	0.00123	1	04/10/2018 14:49	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000325	0.00123	1	04/10/2018 14:49	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000450	0.00123	1	04/10/2018 14:49	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000450	0.00123	1	04/10/2018 14:49	WG1095656
Tetrachloroethene	1.76		0.0216	0.0783	63.5	04/11/2018 17:08	WG1095656
Toluene	0.000626 J	J	0.000535	0.00616	1	04/10/2018 14:49	WG1095656
1,2,3-Trichlorobenzene	U		0.000377	0.00123	1	04/10/2018 14:49	WG1095656
1,2,4-Trichlorobenzene	U		0.000478	0.00123	1	04/10/2018 14:49	WG1095656
1,1,1-Trichloroethane	U		0.000353	0.00123	1	04/10/2018 14:49	WG1095656
1,1,2-Trichloroethane	U		0.000341	0.00123	1	04/10/2018 14:49	WG1095656
Trichloroethene	0.684		0.0218	0.0783	63.5	04/11/2018 17:08	WG1095656
Trichlorofluoromethane	U		0.000471	0.00616	1	04/10/2018 14:49	WG1095656
1,2,3-Trichloropropane	U		0.000913	0.00308	1	04/10/2018 14:49	WG1095656
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	04/10/2018 14:49	WG1095656
1,2,3-Trimethylbenzene	U		0.000354	0.00123	1	04/10/2018 14:49	WG1095656
1,3,5-Trimethylbenzene	U		0.000328	0.00123	1	04/10/2018 14:49	WG1095656
Vinyl acetate	U		0.00295	0.0123	1	04/10/2018 14:49	WG1095656
Vinyl chloride	0.00972		0.000359	0.00123	1	04/10/2018 14:49	WG1095656
Xylenes, Total	U		0.000860	0.00370	1	04/10/2018 14:49	WG1095656
(S) Toluene-d8	*113*			*80.0-120*		*04/11/2018 17:08*	WG1095656
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 14:49*	WG1095656
(S) Dibromofluoromethane	*98.5*			*74.0-131*		*04/10/2018 14:49*	WG1095656
(S) Dibromofluoromethane	*92.4*			*74.0-131*		*04/11/2018 17:08*	WG1095656
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*04/10/2018 14:49*	WG1095656
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/11/2018 17:08*	WG1095656

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.194		0.0392	0.116	1	04/12/2018 03:03	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/12/2018 03:03*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0116	0.0578	1	04/10/2018 15:10	WG1095656
Acrylonitrile	U		0.00207	0.0116	1	04/10/2018 15:10	WG1095656
Benzene	U		0.000312	0.00116	1	04/10/2018 15:10	WG1095656
Bromobenzene	U		0.000328	0.00116	1	04/10/2018 15:10	WG1095656
Bromodichloromethane	U		0.000294	0.00116	1	04/10/2018 15:10	WG1095656
Bromochloromethane	U		0.000451	0.00578	1	04/10/2018 15:10	WG1095656
Bromoform	U		0.000490	0.00116	1	04/10/2018 15:10	WG1095656
Bromomethane	U		0.00155	0.00578	1	04/10/2018 15:10	WG1095656
n-Butylbenzene	U		0.000298	0.00116	1	04/10/2018 15:10	WG1095656
sec-Butylbenzene	U		0.000232	0.00116	1	04/10/2018 15:10	WG1095656
tert-Butylbenzene	U		0.000238	0.00116	1	04/10/2018 15:10	WG1095656
Carbon disulfide	0.000264	J J	0.000256	0.00116	1	04/10/2018 15:10	WG1095656
Carbon tetrachloride	U		0.000379	0.00116	1	04/10/2018 15:10	WG1095656
Chlorobenzene	U		0.000245	0.00116	1	04/10/2018 15:10	WG1095656
Chlorodibromomethane	U		0.000431	0.00116	1	04/10/2018 15:10	WG1095656
Chloroethane	U		0.00109	0.00578	1	04/10/2018 15:10	WG1095656
Chloroform	U		0.000265	0.00578	1	04/10/2018 15:10	WG1095656
Chloromethane	U		0.000434	0.00289	1	04/10/2018 15:10	WG1095656
2-Chlorotoluene	U		0.000348	0.00116	1	04/10/2018 15:10	WG1095656
4-Chlorotoluene	U		0.000278	0.00116	1	04/10/2018 15:10	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	04/10/2018 15:10	WG1095656
1,2-Dibromoethane	U		0.000397	0.00116	1	04/10/2018 15:10	WG1095656
Dibromomethane	U		0.000442	0.00116	1	04/10/2018 15:10	WG1095656
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/10/2018 15:10	WG1095656
1,3-Dichlorobenzene	U		0.000276	0.00116	1	04/10/2018 15:10	WG1095656
1,4-Dichlorobenzene	U		0.000261	0.00116	1	04/10/2018 15:10	WG1095656
Dichlorodifluoromethane	U		0.000824	0.00578	1	04/10/2018 15:10	WG1095656
1,1-Dichloroethane	U		0.000230	0.00116	1	04/10/2018 15:10	WG1095656
1,2-Dichloroethane	U		0.000306	0.00116	1	04/10/2018 15:10	WG1095656
1,1-Dichloroethene	0.000421	J J	0.000350	0.00116	1	04/10/2018 15:10	WG1095656
cis-1,2-Dichloroethene	0.0631		0.000272	0.00116	1	04/10/2018 15:10	WG1095656
trans-1,2-Dichloroethene	0.000423	J J	0.000305	0.00116	1	04/10/2018 15:10	WG1095656
1,2-Dichloropropane	U		0.000414	0.00116	1	04/10/2018 15:10	WG1095656
1,1-Dichloropropene	U		0.000367	0.00116	1	04/10/2018 15:10	WG1095656
1,3-Dichloropropane	U		0.000239	0.00116	1	04/10/2018 15:10	WG1095656
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/10/2018 15:10	WG1095656
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/10/2018 15:10	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000900	0.00289	1	04/10/2018 15:10	WG1095656
2,2-Dichloropropane	U		0.000323	0.00116	1	04/10/2018 15:10	WG1095656
Di-isopropyl ether	U		0.000287	0.00116	1	04/10/2018 15:10	WG1095656
Ethylbenzene	U		0.000343	0.00116	1	04/10/2018 15:10	WG1095656
Hexachloro-1,3-butadiene	U		0.000395	0.00116	1	04/10/2018 15:10	WG1095656
2-Hexanone	U		0.00158	0.0116	1	04/10/2018 15:10	WG1095656
n-Hexane	U		0.000335	0.0116	1	04/10/2018 15:10	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00293	0.0116	1	04/10/2018 15:10	WG1095656
Isopropylbenzene	U		0.000281	0.00116	1	04/10/2018 15:10	WG1095656
p-Isopropyltoluene	U		0.000236	0.00116	1	04/10/2018 15:10	WG1095656
2-Butanone (MEK)	U		0.00541	0.0116	1	04/10/2018 15:10	WG1095656
Methylene Chloride	U		0.00116	0.00578	1	04/10/2018 15:10	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	04/10/2018 15:10	WG1095656
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/10/2018 15:10	WG1095656
Naphthalene	U		0.00116	0.00578	1	04/10/2018 15:10	WG1095656
n-Propylbenzene	U		0.000238	0.00116	1	04/10/2018 15:10	WG1095656
Styrene	U		0.000271	0.00116	1	04/10/2018 15:10	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/10/2018 15:10	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/10/2018 15:10	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/10/2018 15:10	WG1095656
Tetrachloroethene	0.922		0.00798	0.0289	25	04/11/2018 16:47	WG1095656
Toluene	U		0.000502	0.00578	1	04/10/2018 15:10	WG1095656
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/10/2018 15:10	WG1095656
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/10/2018 15:10	WG1095656
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/10/2018 15:10	WG1095656
1,1,2-Trichloroethane	U		0.000320	0.00116	1	04/10/2018 15:10	WG1095656
Trichloroethene	0.0628		0.000323	0.00116	1	04/10/2018 15:10	WG1095656
Trichlorofluoromethane	U		0.000442	0.00578	1	04/10/2018 15:10	WG1095656
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/10/2018 15:10	WG1095656
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/10/2018 15:10	WG1095656
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/10/2018 15:10	WG1095656
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/10/2018 15:10	WG1095656
Vinyl acetate	U		0.00276	0.0116	1	04/10/2018 15:10	WG1095656
Vinyl chloride	0.000709	J J	0.000336	0.00116	1	04/10/2018 15:10	WG1095656
Xylenes, Total	U		0.000807	0.00347	1	04/10/2018 15:10	WG1095656
(S) Toluene-d8	*108*			*80.0-120*		*04/11/2018 16:47*	WG1095656
(S) Toluene-d8	*104*			*80.0-120*		*04/10/2018 15:10*	WG1095656
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/10/2018 15:10*	WG1095656
(S) Dibromofluoromethane	*91.4*			*74.0-131*		*04/11/2018 16:47*	WG1095656
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*04/10/2018 15:10*	WG1095656
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*04/11/2018 16:47*	WG1095656

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.319		0.0390	0.115	1	04/12/2018 03:27	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/12/2018 03:27*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0115	0.0575	1	04/10/2018 15:31	WG1095656	
Acrylonitrile	U		0.00206	0.0115	1	04/10/2018 15:31	WG1095656	
Benzene	U		0.000311	0.00115	1	04/10/2018 15:31	WG1095656	
Bromobenzene	U		0.000327	0.00115	1	04/10/2018 15:31	WG1095656	
Bromodichloromethane	U		0.000292	0.00115	1	04/10/2018 15:31	WG1095656	
Bromochloromethane	U		0.000449	0.00575	1	04/10/2018 15:31	WG1095656	
Bromoform	U		0.000488	0.00115	1	04/10/2018 15:31	WG1095656	
Bromomethane	U		0.00154	0.00575	1	04/10/2018 15:31	WG1095656	
n-Butylbenzene	U		0.000297	0.00115	1	04/10/2018 15:31	WG1095656	
sec-Butylbenzene	U		0.000231	0.00115	1	04/10/2018 15:31	WG1095656	
tert-Butylbenzene	U		0.000237	0.00115	1	04/10/2018 15:31	WG1095656	
Carbon disulfide	U		0.000254	0.00115	1	04/10/2018 15:31	WG1095656	
Carbon tetrachloride	U		0.000377	0.00115	1	04/10/2018 15:31	WG1095656	
Chlorobenzene	U		0.000244	0.00115	1	04/10/2018 15:31	WG1095656	
Chlorodibromomethane	U		0.000429	0.00115	1	04/10/2018 15:31	WG1095656	
Chloroethane	U		0.00109	0.00575	1	04/10/2018 15:31	WG1095656	
Chloroform	U		0.000264	0.00575	1	04/10/2018 15:31	WG1095656	
Chloromethane	U		0.000432	0.00288	1	04/10/2018 15:31	WG1095656	
2-Chlorotoluene	U		0.000346	0.00115	1	04/10/2018 15:31	WG1095656	
4-Chlorotoluene	U		0.000276	0.00115	1	04/10/2018 15:31	WG1095656	
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	04/10/2018 15:31	WG1095656	
1,2-Dibromoethane	U		0.000395	0.00115	1	04/10/2018 15:31	WG1095656	
Dibromomethane	U		0.000440	0.00115	1	04/10/2018 15:31	WG1095656	
1,2-Dichlorobenzene	U		0.000351	0.00115	1	04/10/2018 15:31	WG1095656	
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/10/2018 15:31	WG1095656	
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/10/2018 15:31	WG1095656	
Dichlorodifluoromethane	U		0.000821	0.00575	1	04/10/2018 15:31	WG1095656	
1,1-Dichloroethane	U		0.000229	0.00115	1	04/10/2018 15:31	WG1095656	
1,2-Dichloroethane	U		0.000305	0.00115	1	04/10/2018 15:31	WG1095656	
1,1-Dichloroethene	0.000756	J J	0.000349	0.00115	1	04/10/2018 15:31	WG1095656	
cis-1,2-Dichloroethene	0.111		0.000270	0.00115	1	04/10/2018 15:31	WG1095656	
trans-1,2-Dichloroethene	0.000810	J J	0.000304	0.00115	1	04/10/2018 15:31	WG1095656	
1,2-Dichloropropane	U		0.000412	0.00115	1	04/10/2018 15:31	WG1095656	
1,1-Dichloropropene	U		0.000365	0.00115	1	04/10/2018 15:31	WG1095656	
1,3-Dichloropropane	U		0.000238	0.00115	1	04/10/2018 15:31	WG1095656	
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/10/2018 15:31	WG1095656	
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/10/2018 15:31	WG1095656	
trans-1,4-Dichloro-2-butene	U		0.000895	0.00288	1	04/10/2018 15:31	WG1095656	
2,2-Dichloropropane	U		0.000321	0.00115	1	04/10/2018 15:31	WG1095656	
Di-isopropyl ether	U		0.000285	0.00115	1	04/10/2018 15:31	WG1095656	
Ethylbenzene	U		0.000342	0.00115	1	04/10/2018 15:31	WG1095656	JC 4/25/18
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/10/2018 15:31	WG1095656	
2-Hexanone	U		0.00158	0.0115	1	04/10/2018 15:31	WG1095656	
n-Hexane	U		0.000334	0.0115	1	04/10/2018 15:31	WG1095656	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00291	0.0115	1	04/10/2018 15:31	WG1095656
Isopropylbenzene	U		0.000280	0.00115	1	04/10/2018 15:31	WG1095656
p-Isopropyltoluene	U		0.000235	0.00115	1	04/10/2018 15:31	WG1095656
2-Butanone (MEK)	U		0.00539	0.0115	1	04/10/2018 15:31	WG1095656
Methylene Chloride	U		0.00115	0.00575	1	04/10/2018 15:31	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/10/2018 15:31	WG1095656
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/10/2018 15:31	WG1095656
Naphthalene	U		0.00115	0.00575	1	04/10/2018 15:31	WG1095656
n-Propylbenzene	U		0.000237	0.00115	1	04/10/2018 15:31	WG1095656
Styrene	U		0.000269	0.00115	1	04/10/2018 15:31	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/10/2018 15:31	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	04/10/2018 15:31	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	04/10/2018 15:31	WG1095656
Tetrachloroethene	4.08		0.0159	0.0575	50	04/11/2018 16:26	WG1095656
Toluene	U		0.000499	0.00575	1	04/10/2018 15:31	WG1095656
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/10/2018 15:31	WG1095656
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/10/2018 15:31	WG1095656
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/10/2018 15:31	WG1095656
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/10/2018 15:31	WG1095656
Trichloroethene	0.0528		0.000321	0.00115	1	04/10/2018 15:31	WG1095656
Trichlorofluoromethane	U		0.000440	0.00575	1	04/10/2018 15:31	WG1095656
1,2,3-Trichloropropane	U		0.000853	0.00288	1	04/10/2018 15:31	WG1095656
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/10/2018 15:31	WG1095656
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/10/2018 15:31	WG1095656
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/10/2018 15:31	WG1095656
Vinyl acetate	U		0.00275	0.0115	1	04/10/2018 15:31	WG1095656
Vinyl chloride	0.000703	J J	0.000335	0.00115	1	04/10/2018 15:31	WG1095656
Xylenes, Total	U		0.000803	0.00345	1	04/10/2018 15:31	WG1095656
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 15:31*	WG1095656
(S) Toluene-d8	*109*			*80.0-120*		*04/11/2018 16:26*	WG1095656
(S) Dibromofluoromethane	*94.0*			*74.0-131*		*04/11/2018 16:26*	WG1095656
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/10/2018 15:31*	WG1095656
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*04/10/2018 15:31*	WG1095656
(S) 4-Bromofluorobenzene	*96.3*			*64.0-132*		*04/11/2018 16:26*	WG1095656

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	04/10/2018 13:44	WG1095945

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.129		0.0380	0.112	1	04/14/2018 09:28	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*04/14/2018 09:28*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0561	1	04/10/2018 15:51	WG1095656
Acrylonitrile	U		0.00201	0.0112	1	04/10/2018 15:51	WG1095656
Benzene	U		0.000303	0.00112	1	04/10/2018 15:51	WG1095656
Bromobenzene	U		0.000319	0.00112	1	04/10/2018 15:51	WG1095656
Bromodichloromethane	U		0.000285	0.00112	1	04/10/2018 15:51	WG1095656
Bromochloromethane	U		0.000438	0.00561	1	04/10/2018 15:51	WG1095656
Bromoform	U		0.000476	0.00112	1	04/10/2018 15:51	WG1095656
Bromomethane	U		0.00150	0.00561	1	04/10/2018 15:51	WG1095656
n-Butylbenzene	U		0.000290	0.00112	1	04/10/2018 15:51	WG1095656
sec-Butylbenzene	U		0.000226	0.00112	1	04/10/2018 15:51	WG1095656
tert-Butylbenzene	U		0.000231	0.00112	1	04/10/2018 15:51	WG1095656
Carbon disulfide	0.000277	J J	0.000248	0.00112	1	04/10/2018 15:51	WG1095656
Carbon tetrachloride	U		0.000368	0.00112	1	04/10/2018 15:51	WG1095656
Chlorobenzene	U		0.000238	0.00112	1	04/10/2018 15:51	WG1095656
Chlorodibromomethane	U		0.000419	0.00112	1	04/10/2018 15:51	WG1095656
Chloroethane	U		0.00106	0.00561	1	04/10/2018 15:51	WG1095656
Chloroform	U		0.000257	0.00561	1	04/10/2018 15:51	WG1095656
Chloromethane	U		0.000421	0.00281	1	04/10/2018 15:51	WG1095656
2-Chlorotoluene	U		0.000338	0.00112	1	04/10/2018 15:51	WG1095656
4-Chlorotoluene	U		0.000269	0.00112	1	04/10/2018 15:51	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	04/10/2018 15:51	WG1095656
1,2-Dibromoethane	U		0.000385	0.00112	1	04/10/2018 15:51	WG1095656
Dibromomethane	U		0.000429	0.00112	1	04/10/2018 15:51	WG1095656
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/10/2018 15:51	WG1095656
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/10/2018 15:51	WG1095656
1,4-Dichlorobenzene	U		0.000254	0.00112	1	04/10/2018 15:51	WG1095656
Dichlorodifluoromethane	U		0.000800	0.00561	1	04/10/2018 15:51	WG1095656
1,1-Dichloroethane	U		0.000223	0.00112	1	04/10/2018 15:51	WG1095656
1,2-Dichloroethane	U		0.000297	0.00112	1	04/10/2018 15:51	WG1095656
1,1-Dichloroethene	0.000692	J J	0.000340	0.00112	1	04/10/2018 15:51	WG1095656
cis-1,2-Dichloroethene	0.946		0.00660	0.0281	25	04/11/2018 16:05	WG1095656
trans-1,2-Dichloroethene	0.000460	J J	0.000296	0.00112	1	04/10/2018 15:51	WG1095656
1,2-Dichloropropane	U		0.000402	0.00112	1	04/10/2018 15:51	WG1095656
1,1-Dichloropropene	U		0.000356	0.00112	1	04/10/2018 15:51	WG1095656
1,3-Dichloropropane	U		0.000232	0.00112	1	04/10/2018 15:51	WG1095656
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/10/2018 15:51	WG1095656
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	04/10/2018 15:51	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000873	0.00281	1	04/10/2018 15:51	WG1095656
2,2-Dichloropropane	U		0.000313	0.00112	1	04/10/2018 15:51	WG1095656
Di-isopropyl ether	U		0.000278	0.00112	1	04/10/2018 15:51	WG1095656
Ethylbenzene	U		0.000333	0.00112	1	04/10/2018 15:51	WG1095656
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/10/2018 15:51	WG1095656
2-Hexanone	U		0.00154	0.0112	1	04/10/2018 15:51	WG1095656
n-Hexane	U		0.000325	0.0112	1	04/10/2018 15:51	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00284	0.0112	1	04/10/2018 15:51	WG1095656
Isopropylbenzene	U		0.000273	0.00112	1	04/10/2018 15:51	WG1095656
p-Isopropyltoluene	U		0.000229	0.00112	1	04/10/2018 15:51	WG1095656
2-Butanone (MEK)	U		0.00525	0.0112	1	04/10/2018 15:51	WG1095656
Methylene Chloride	U		0.00112	0.00561	1	04/10/2018 15:51	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/10/2018 15:51	WG1095656
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/10/2018 15:51	WG1095656
Naphthalene	U		0.00112	0.00561	1	04/10/2018 15:51	WG1095656
n-Propylbenzene	U		0.000231	0.00112	1	04/10/2018 15:51	WG1095656
Styrene	U		0.000263	0.00112	1	04/10/2018 15:51	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/10/2018 15:51	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	04/10/2018 15:51	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	04/10/2018 15:51	WG1095656
Tetrachloroethene	0.00466		0.000310	0.00112	1	04/10/2018 15:51	WG1095656
Toluene	U		0.000487	0.00561	1	04/10/2018 15:51	WG1095656
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/10/2018 15:51	WG1095656
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/10/2018 15:51	WG1095656
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/10/2018 15:51	WG1095656
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/10/2018 15:51	WG1095656
Trichloroethene	0.0431		0.000313	0.00112	1	04/10/2018 15:51	WG1095656
Trichlorofluoromethane	U		0.000429	0.00561	1	04/10/2018 15:51	WG1095656
1,2,3-Trichloropropane	U		0.000831	0.00281	1	04/10/2018 15:51	WG1095656
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/10/2018 15:51	WG1095656
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/10/2018 15:51	WG1095656
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/10/2018 15:51	WG1095656
Vinyl acetate	U		0.00268	0.0112	1	04/10/2018 15:51	WG1095656
Vinyl chloride	0.0164		0.000327	0.00112	1	04/10/2018 15:51	WG1095656
Xylenes, Total	U		0.000783	0.00337	1	04/10/2018 15:51	WG1095656
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 15:51*	WG1095656
(S) Toluene-d8	*107*			*80.0-120*		*04/11/2018 16:05*	WG1095656
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/10/2018 15:51*	WG1095656
(S) Dibromofluoromethane	*93.4*			*74.0-131*		*04/11/2018 16:05*	WG1095656
(S) 4-Bromofluorobenzene	*96.6*			*64.0-132*		*04/10/2018 15:51*	WG1095656
(S) 4-Bromofluorobenzene	*96.9*			*64.0-132*		*04/11/2018 16:05*	WG1095656

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	04/10/2018 13:44	WG1095945

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0376	0.111	1	04/12/2018 04:15	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*04/12/2018 04:15*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0111	0.0555	1	04/10/2018 16:13	WG1095656	
Acrylonitrile	U		0.00199	0.0111	1	04/10/2018 16:13	WG1095656	
Benzene	U		0.000299	0.00111	1	04/10/2018 16:13	WG1095656	
Bromobenzene	U		0.000315	0.00111	1	04/10/2018 16:13	WG1095656	
Bromodichloromethane	U		0.000282	0.00111	1	04/10/2018 16:13	WG1095656	
Bromochloromethane	U		0.000433	0.00555	1	04/10/2018 16:13	WG1095656	
Bromoform	U		0.000470	0.00111	1	04/10/2018 16:13	WG1095656	
Bromomethane	U		0.00149	0.00555	1	04/10/2018 16:13	WG1095656	
n-Butylbenzene	U		0.000286	0.00111	1	04/10/2018 16:13	WG1095656	
sec-Butylbenzene	U		0.000223	0.00111	1	04/10/2018 16:13	WG1095656	
tert-Butylbenzene	U		0.000228	0.00111	1	04/10/2018 16:13	WG1095656	
Carbon disulfide	U		0.000245	0.00111	1	04/10/2018 16:13	WG1095656	
Carbon tetrachloride	U		0.000364	0.00111	1	04/10/2018 16:13	WG1095656	
Chlorobenzene	U		0.000235	0.00111	1	04/10/2018 16:13	WG1095656	
Chlorodibromomethane	U		0.000414	0.00111	1	04/10/2018 16:13	WG1095656	
Chloroethane	U		0.00105	0.00555	1	04/10/2018 16:13	WG1095656	
Chloroform	U		0.000254	0.00555	1	04/10/2018 16:13	WG1095656	
Chloromethane	U		0.000416	0.00277	1	04/10/2018 16:13	WG1095656	
2-Chlorotoluene	U		0.000334	0.00111	1	04/10/2018 16:13	WG1095656	
4-Chlorotoluene	U		0.000266	0.00111	1	04/10/2018 16:13	WG1095656	
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00555	1	04/10/2018 16:13	WG1095656	
1,2-Dibromoethane	U		0.000380	0.00111	1	04/10/2018 16:13	WG1095656	
Dibromomethane	U		0.000424	0.00111	1	04/10/2018 16:13	WG1095656	
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/10/2018 16:13	WG1095656	
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/10/2018 16:13	WG1095656	
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/10/2018 16:13	WG1095656	
Dichlorodifluoromethane	U		0.000791	0.00555	1	04/10/2018 16:13	WG1095656	
1,1-Dichloroethane	U		0.000221	0.00111	1	04/10/2018 16:13	WG1095656	
1,2-Dichloroethane	U		0.000294	0.00111	1	04/10/2018 16:13	WG1095656	
1,1-Dichloroethene	U		0.000336	0.00111	1	04/10/2018 16:13	WG1095656	
cis-1,2-Dichloroethene	0.00335		0.000261	0.00111	1	04/11/2018 15:44	WG1095656	
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/10/2018 16:13	WG1095656	
1,2-Dichloropropane	U		0.000397	0.00111	1	04/10/2018 16:13	WG1095656	
1,1-Dichloropropene	U		0.000352	0.00111	1	04/10/2018 16:13	WG1095656	
1,3-Dichloropropane	U		0.000230	0.00111	1	04/10/2018 16:13	WG1095656	
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/10/2018 16:13	WG1095656	
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/10/2018 16:13	WG1095656	
trans-1,4-Dichloro-2-butene	U		0.000863	0.00277	1	04/10/2018 16:13	WG1095656	
2,2-Dichloropropane	U		0.000309	0.00111	1	04/10/2018 16:13	WG1095656	
Di-isopropyl ether	U		0.000275	0.00111	1	04/10/2018 16:13	WG1095656	
Ethylbenzene	U		0.000329	0.00111	1	04/10/2018 16:13	WG1095656	
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/10/2018 16:13	WG1095656	JC 4/25/18
2-Hexanone	U		0.00152	0.0111	1	04/10/2018 16:13	WG1095656	
n-Hexane	U		0.000322	0.0111	1	04/10/2018 16:13	WG1095656	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00281	0.0111	1	04/10/2018 16:13	WG1095656
Isopropylbenzene	U		0.000269	0.00111	1	04/10/2018 16:13	WG1095656
p-Isopropyltoluene	U		0.000226	0.00111	1	04/10/2018 16:13	WG1095656
2-Butanone (MEK)	U		0.00519	0.0111	1	04/10/2018 16:13	WG1095656
Methylene Chloride	U		0.00111	0.00555	1	04/10/2018 16:13	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	04/10/2018 16:13	WG1095656
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/10/2018 16:13	WG1095656
Naphthalene	U		0.00111	0.00555	1	04/10/2018 16:13	WG1095656
n-Propylbenzene	U		0.000228	0.00111	1	04/10/2018 16:13	WG1095656
Styrene	U		0.000260	0.00111	1	04/10/2018 16:13	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/10/2018 16:13	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	04/10/2018 16:13	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	04/10/2018 16:13	WG1095656
Tetrachloroethene	0.00242		0.000306	0.00111	1	04/11/2018 15:44	WG1095656
Toluene	U		0.000481	0.00555	1	04/10/2018 16:13	WG1095656
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/10/2018 16:13	WG1095656
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/10/2018 16:13	WG1095656
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/10/2018 16:13	WG1095656
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/10/2018 16:13	WG1095656
Trichloroethene	0.000599	J J	0.000309	0.00111	1	04/10/2018 16:13	WG1095656
Trichlorofluoromethane	U		0.000424	0.00555	1	04/10/2018 16:13	WG1095656
1,2,3-Trichloropropane	U		0.000822	0.00277	1	04/10/2018 16:13	WG1095656
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/10/2018 16:13	WG1095656
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/10/2018 16:13	WG1095656
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/10/2018 16:13	WG1095656
Vinyl acetate	U		0.00265	0.0111	1	04/10/2018 16:13	WG1095656
Vinyl chloride	0.000339	J J	0.000323	0.00111	1	04/10/2018 16:13	WG1095656
Xylenes, Total	U		0.000774	0.00333	1	04/10/2018 16:13	WG1095656
(S) Toluene-d8	*101*			*80.0-120*		*04/10/2018 16:13*	WG1095656
(S) Toluene-d8	*101*			*80.0-120*		*04/11/2018 15:44*	WG1095656
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/10/2018 16:13*	WG1095656
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/11/2018 15:44*	WG1095656
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*04/11/2018 15:44*	WG1095656
(S) 4-Bromofluorobenzene	*98.9*			*64.0-132*		*04/10/2018 16:13*	WG1095656

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	04/10/2018 13:44	WG1095945

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0389	0.115	1	04/12/2018 04:39	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/12/2018 04:39*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0574	1	04/10/2018 16:34	WG1095656
Acrylonitrile	U		0.00205	0.0115	1	04/10/2018 16:34	WG1095656
Benzene	U		0.000310	0.00115	1	04/10/2018 16:34	WG1095656
Bromobenzene	U		0.000326	0.00115	1	04/10/2018 16:34	WG1095656
Bromodichloromethane	U		0.000291	0.00115	1	04/10/2018 16:34	WG1095656
Bromochloromethane	U		0.000447	0.00574	1	04/10/2018 16:34	WG1095656
Bromoform	U		0.000486	0.00115	1	04/10/2018 16:34	WG1095656
Bromomethane	U		0.00154	0.00574	1	04/10/2018 16:34	WG1095656
n-Butylbenzene	U		0.000296	0.00115	1	04/10/2018 16:34	WG1095656
sec-Butylbenzene	U		0.000231	0.00115	1	04/10/2018 16:34	WG1095656
tert-Butylbenzene	U		0.000236	0.00115	1	04/10/2018 16:34	WG1095656
Carbon disulfide	U		0.000254	0.00115	1	04/10/2018 16:34	WG1095656
Carbon tetrachloride	U		0.000376	0.00115	1	04/10/2018 16:34	WG1095656
Chlorobenzene	U		0.000243	0.00115	1	04/10/2018 16:34	WG1095656
Chlorodibromomethane	U		0.000428	0.00115	1	04/10/2018 16:34	WG1095656
Chloroethane	U		0.00109	0.00574	1	04/10/2018 16:34	WG1095656
Chloroform	U		0.000263	0.00574	1	04/10/2018 16:34	WG1095656
Chloromethane	U		0.000430	0.00287	1	04/10/2018 16:34	WG1095656
2-Chlorotoluene	U		0.000345	0.00115	1	04/10/2018 16:34	WG1095656
4-Chlorotoluene	U		0.000275	0.00115	1	04/10/2018 16:34	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00574	1	04/10/2018 16:34	WG1095656
1,2-Dibromoethane	U		0.000394	0.00115	1	04/10/2018 16:34	WG1095656
Dibromomethane	U		0.000438	0.00115	1	04/10/2018 16:34	WG1095656
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/10/2018 16:34	WG1095656
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/10/2018 16:34	WG1095656
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/10/2018 16:34	WG1095656
Dichlorodifluoromethane	U		0.000818	0.00574	1	04/10/2018 16:34	WG1095656
1,1-Dichloroethane	U		0.000228	0.00115	1	04/10/2018 16:34	WG1095656
1,2-Dichloroethane	U		0.000304	0.00115	1	04/10/2018 16:34	WG1095656
1,1-Dichloroethene	U		0.000348	0.00115	1	04/10/2018 16:34	WG1095656
cis-1,2-Dichloroethene	0.00789		0.000270	0.00115	1	04/10/2018 16:34	WG1095656
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/10/2018 16:34	WG1095656
1,2-Dichloropropane	U		0.000411	0.00115	1	04/10/2018 16:34	WG1095656
1,1-Dichloropropene	U		0.000364	0.00115	1	04/10/2018 16:34	WG1095656
1,3-Dichloropropane	U		0.000237	0.00115	1	04/10/2018 16:34	WG1095656
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/10/2018 16:34	WG1095656
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/10/2018 16:34	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	04/10/2018 16:34	WG1095656
2,2-Dichloropropane	U		0.000320	0.00115	1	04/10/2018 16:34	WG1095656
Di-isopropyl ether	U		0.000285	0.00115	1	04/10/2018 16:34	WG1095656
Ethylbenzene	U		0.000341	0.00115	1	04/10/2018 16:34	WG1095656
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/10/2018 16:34	WG1095656
2-Hexanone	U		0.00157	0.0115	1	04/10/2018 16:34	WG1095656
n-Hexane	U		0.000333	0.0115	1	04/10/2018 16:34	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00290	0.0115	1	04/10/2018 16:34	WG1095656
Isopropylbenzene	U		0.000279	0.00115	1	04/10/2018 16:34	WG1095656
p-Isopropyltoluene	U		0.000234	0.00115	1	04/10/2018 16:34	WG1095656
2-Butanone (MEK)	U		0.00537	0.0115	1	04/10/2018 16:34	WG1095656
Methylene Chloride	U		0.00115	0.00574	1	04/10/2018 16:34	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/10/2018 16:34	WG1095656
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/10/2018 16:34	WG1095656
Naphthalene	U		0.00115	0.00574	1	04/10/2018 16:34	WG1095656
n-Propylbenzene	U		0.000236	0.00115	1	04/10/2018 16:34	WG1095656
Styrene	U		0.000268	0.00115	1	04/10/2018 16:34	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/10/2018 16:34	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/10/2018 16:34	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	04/10/2018 16:34	WG1095656
Tetrachloroethene	0.00622		0.000317	0.00115	1	04/10/2018 16:34	WG1095656
Toluene	U		0.000498	0.00574	1	04/10/2018 16:34	WG1095656
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/10/2018 16:34	WG1095656
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	04/10/2018 16:34	WG1095656
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/10/2018 16:34	WG1095656
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/10/2018 16:34	WG1095656
Trichloroethene	0.00209		0.000320	0.00115	1	04/10/2018 16:34	WG1095656
Trichlorofluoromethane	U		0.000438	0.00574	1	04/10/2018 16:34	WG1095656
1,2,3-Trichloropropane	U		0.000850	0.00287	1	04/10/2018 16:34	WG1095656
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/10/2018 16:34	WG1095656
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/10/2018 16:34	WG1095656
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/10/2018 16:34	WG1095656
Vinyl acetate	U		0.00274	0.0115	1	04/10/2018 16:34	WG1095656
Vinyl chloride	0.00160		0.000334	0.00115	1	04/10/2018 16:34	WG1095656
Xylenes, Total	U		0.000801	0.00344	1	04/10/2018 16:34	WG1095656
(S) Toluene-d8	*99.8*			*80.0-120*		*04/10/2018 16:34*	WG1095656
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*04/10/2018 16:34*	WG1095656
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/10/2018 16:34*	WG1095656

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	04/10/2018 13:44	WG1095945

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.0398	0.117	1	04/12/2018 05:03	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*04/12/2018 05:03*	WG1096314

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0117	0.0587	1	04/10/2018 16:55	WG1095656
Acrylonitrile	U		0.00210	0.0117	1	04/10/2018 16:55	WG1095656
Benzene	U		0.000317	0.00117	1	04/10/2018 16:55	WG1095656
Bromobenzene	U		0.000334	0.00117	1	04/10/2018 16:55	WG1095656
Bromodichloromethane	U		0.000298	0.00117	1	04/10/2018 16:55	WG1095656
Bromochloromethane	U		0.000458	0.00587	1	04/10/2018 16:55	WG1095656
Bromoform	U		0.000498	0.00117	1	04/10/2018 16:55	WG1095656
Bromomethane	U		0.00157	0.00587	1	04/10/2018 16:55	WG1095656
n-Butylbenzene	U		0.000303	0.00117	1	04/10/2018 16:55	WG1095656
sec-Butylbenzene	U		0.000236	0.00117	1	04/10/2018 16:55	WG1095656
tert-Butylbenzene	U		0.000242	0.00117	1	04/10/2018 16:55	WG1095656
Carbon disulfide	U		0.000260	0.00117	1	04/10/2018 16:55	WG1095656
Carbon tetrachloride	U		0.000385	0.00117	1	04/10/2018 16:55	WG1095656
Chlorobenzene	U		0.000249	0.00117	1	04/10/2018 16:55	WG1095656
Chlorodibromomethane	U		0.000438	0.00117	1	04/10/2018 16:55	WG1095656
Chloroethane	U		0.00111	0.00587	1	04/10/2018 16:55	WG1095656
Chloroform	U		0.000269	0.00587	1	04/10/2018 16:55	WG1095656
Chloromethane	U		0.000441	0.00294	1	04/10/2018 16:55	WG1095656
2-Chlorotoluene	U		0.000354	0.00117	1	04/10/2018 16:55	WG1095656
4-Chlorotoluene	U		0.000282	0.00117	1	04/10/2018 16:55	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00587	1	04/10/2018 16:55	WG1095656
1,2-Dibromoethane	U		0.000403	0.00117	1	04/10/2018 16:55	WG1095656
Dibromomethane	U		0.000449	0.00117	1	04/10/2018 16:55	WG1095656
1,2-Dichlorobenzene	U		0.000358	0.00117	1	04/10/2018 16:55	WG1095656
1,3-Dichlorobenzene	U		0.000281	0.00117	1	04/10/2018 16:55	WG1095656
1,4-Dichlorobenzene	U		0.000266	0.00117	1	04/10/2018 16:55	WG1095656
Dichlorodifluoromethane	U		0.000838	0.00587	1	04/10/2018 16:55	WG1095656
1,1-Dichloroethane	U		0.000234	0.00117	1	04/10/2018 16:55	WG1095656
1,2-Dichloroethane	U		0.000311	0.00117	1	04/10/2018 16:55	WG1095656
1,1-Dichloroethene	U		0.000356	0.00117	1	04/10/2018 16:55	WG1095656
cis-1,2-Dichloroethene	0.00789		0.000276	0.00117	1	04/10/2018 16:55	WG1095656
trans-1,2-Dichloroethene	U		0.000310	0.00117	1	04/10/2018 16:55	WG1095656
1,2-Dichloropropane	U		0.000421	0.00117	1	04/10/2018 16:55	WG1095656
1,1-Dichloropropene	U		0.000372	0.00117	1	04/10/2018 16:55	WG1095656
1,3-Dichloropropane	U		0.000243	0.00117	1	04/10/2018 16:55	WG1095656
cis-1,3-Dichloropropene	U		0.000308	0.00117	1	04/10/2018 16:55	WG1095656
trans-1,3-Dichloropropene	U		0.000314	0.00117	1	04/10/2018 16:55	WG1095656
trans-1,4-Dichloro-2-butene	U		0.000914	0.00294	1	04/10/2018 16:55	WG1095656
2,2-Dichloropropane	U		0.000328	0.00117	1	04/10/2018 16:55	WG1095656
Di-isopropyl ether	U		0.000291	0.00117	1	04/10/2018 16:55	WG1095656
Ethylbenzene	U		0.000349	0.00117	1	04/10/2018 16:55	WG1095656
Hexachloro-1,3-butadiene	U		0.000402	0.00117	1	04/10/2018 16:55	WG1095656
2-Hexanone	U		0.00161	0.0117	1	04/10/2018 16:55	WG1095656
n-Hexane	U		0.000341	0.0117	1	04/10/2018 16:55	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Iodomethane	U		0.00297	0.0117	1	04/10/2018 16:55	WG1095656
Isopropylbenzene	U		0.000286	0.00117	1	04/10/2018 16:55	WG1095656
p-Isopropyltoluene	U		0.000240	0.00117	1	04/10/2018 16:55	WG1095656
2-Butanone (MEK)	U		0.00550	0.0117	1	04/10/2018 16:55	WG1095656
Methylene Chloride	U		0.00117	0.00587	1	04/10/2018 16:55	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0117	1	04/10/2018 16:55	WG1095656
Methyl tert-butyl ether	U		0.000249	0.00117	1	04/10/2018 16:55	WG1095656
Naphthalene	U		0.00117	0.00587	1	04/10/2018 16:55	WG1095656
n-Propylbenzene	U		0.000242	0.00117	1	04/10/2018 16:55	WG1095656
Styrene	U		0.000275	0.00117	1	04/10/2018 16:55	WG1095656
1,1,1,2-Tetrachloroethane	U		0.000310	0.00117	1	04/10/2018 16:55	WG1095656
1,1,2,2-Tetrachloroethane	U		0.000429	0.00117	1	04/10/2018 16:55	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00117	1	04/10/2018 16:55	WG1095656
Tetrachloroethene	0.00683		0.000324	0.00117	1	04/10/2018 16:55	WG1095656
Toluene	U		0.000510	0.00587	1	04/10/2018 16:55	WG1095656
1,2,3-Trichlorobenzene	U		0.000360	0.00117	1	04/10/2018 16:55	WG1095656
1,2,4-Trichlorobenzene	U		0.000456	0.00117	1	04/10/2018 16:55	WG1095656
1,1,1-Trichloroethane	U		0.000336	0.00117	1	04/10/2018 16:55	WG1095656
1,1,2-Trichloroethane	U		0.000325	0.00117	1	04/10/2018 16:55	WG1095656
Trichloroethene	0.00229		0.000328	0.00117	1	04/10/2018 16:55	WG1095656
Trichlorofluoromethane	U		0.000449	0.00587	1	04/10/2018 16:55	WG1095656
1,2,3-Trichloropropane	U		0.000871	0.00294	1	04/10/2018 16:55	WG1095656
1,2,4-Trimethylbenzene	U		0.000248	0.00117	1	04/10/2018 16:55	WG1095656
1,2,3-Trimethylbenzene	U		0.000337	0.00117	1	04/10/2018 16:55	WG1095656
1,3,5-Trimethylbenzene	U		0.000313	0.00117	1	04/10/2018 16:55	WG1095656
Vinyl acetate	U		0.00281	0.0117	1	04/10/2018 16:55	WG1095656
Vinyl chloride	0.000880	J J	0.000342	0.00117	1	04/10/2018 16:55	WG1095656
Xylenes, Total	U		0.000820	0.00352	1	04/10/2018 16:55	WG1095656
(S) Toluene-d8	*105*			*80.0-120*		*04/10/2018 16:55*	WG1095656
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/10/2018 16:55*	WG1095656
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/10/2018 16:55*	WG1095656

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	04/10/2018 15:23	WG1095942

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.50	J+	V3	0.0400	0.118	1	04/16/2018 15:34	WG1096314
(S) a,a,a-Trifluorotoluene(FID)	*104*				*77.0-120*		*04/16/2018 15:34*	WG1096314

Sample Narrative:

L984082-02 WG1096314: IS confirmed low on both runs.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.18	5.90	100	04/10/2018 19:01	WG1095656
Acrylonitrile	U		0.211	1.18	100	04/10/2018 19:01	WG1095656
Benzene	U		0.0318	0.118	100	04/10/2018 19:01	WG1095656
Bromobenzene	U		0.0335	0.118	100	04/10/2018 19:01	WG1095656
Bromodichloromethane	U		0.0300	0.118	100	04/10/2018 19:01	WG1095656
Bromochloromethane	U		0.0460	0.590	100	04/10/2018 19:01	WG1095656
Bromoform	U		0.0500	0.118	100	04/10/2018 19:01	WG1095656
Bromomethane	U		0.158	0.590	100	04/10/2018 19:01	WG1095656
n-Butylbenzene	U		0.0304	0.118	100	04/10/2018 19:01	WG1095656
sec-Butylbenzene	U		0.0237	0.118	100	04/10/2018 19:01	WG1095656
tert-Butylbenzene	U		0.0243	0.118	100	04/10/2018 19:01	WG1095656
Carbon disulfide	U		0.0261	0.118	100	04/10/2018 19:01	WG1095656
Carbon tetrachloride	U		0.0387	0.118	100	04/10/2018 19:01	WG1095656
Chlorobenzene	U		0.0250	0.118	100	04/10/2018 19:01	WG1095656
Chlorodibromomethane	U		0.0440	0.118	100	04/10/2018 19:01	WG1095656
Chloroethane	U		0.112	0.590	100	04/10/2018 19:01	WG1095656
Chloroform	U		0.0270	0.590	100	04/10/2018 19:01	WG1095656
Chloromethane	U		0.0442	0.295	100	04/10/2018 19:01	WG1095656
2-Chlorotoluene	U		0.0355	0.118	100	04/10/2018 19:01	WG1095656
4-Chlorotoluene	U		0.0283	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dibromo-3-Chloropropane	U		0.124	0.590	100	04/10/2018 19:01	WG1095656
1,2-Dibromoethane	U		0.0405	0.118	100	04/10/2018 19:01	WG1095656
Dibromomethane	U		0.0451	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dichlorobenzene	U		0.0360	0.118	100	04/10/2018 19:01	WG1095656
1,3-Dichlorobenzene	U		0.0282	0.118	100	04/10/2018 19:01	WG1095656
1,4-Dichlorobenzene	U		0.0267	0.118	100	04/10/2018 19:01	WG1095656
Dichlorodifluoromethane	U		0.0841	0.590	100	04/10/2018 19:01	WG1095656
1,1-Dichloroethane	U		0.0235	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dichloroethane	U		0.0313	0.118	100	04/10/2018 19:01	WG1095656
1,1-Dichloroethene	U		0.0357	0.118	100	04/10/2018 19:01	WG1095656
cis-1,2-Dichloroethene	3.00		0.0277	0.118	100	04/10/2018 19:01	WG1095656
trans-1,2-Dichloroethene	U		0.0311	0.118	100	04/10/2018 19:01	WG1095656
1,2-Dichloropropane	U		0.0422	0.118	100	04/10/2018 19:01	WG1095656
1,1-Dichloropropene	U		0.0374	0.118	100	04/10/2018 19:01	WG1095656
1,3-Dichloropropane	U		0.0244	0.118	100	04/10/2018 19:01	WG1095656
cis-1,3-Dichloropropene	U		0.0309	0.118	100	04/10/2018 19:01	WG1095656
trans-1,3-Dichloropropene	U		0.0315	0.118	100	04/10/2018 19:01	WG1095656
trans-1,4-Dichloro-2-butene	U		0.0918	0.295	100	04/10/2018 19:01	WG1095656
2,2-Dichloropropane	U		0.0329	0.118	100	04/10/2018 19:01	WG1095656
Di-isopropyl ether	U		0.0293	0.118	100	04/10/2018 19:01	WG1095656
Ethylbenzene	U		0.0350	0.118	100	04/10/2018 19:01	WG1095656

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.0403	0.118	100	04/10/2018 19:01	WG1095656
2-Hexanone	U		0.162	1.18	100	04/10/2018 19:01	WG1095656
n-Hexane	U		0.0342	1.18	100	04/10/2018 19:01	WG1095656
Iodomethane	U		0.298	1.18	100	04/10/2018 19:01	WG1095656
Isopropylbenzene	U		0.0287	0.118	100	04/10/2018 19:01	WG1095656
p-Isopropyltoluene	U		0.0241	0.118	100	04/10/2018 19:01	WG1095656
2-Butanone (MEK)	U		0.552	1.18	100	04/10/2018 19:01	WG1095656
Methylene Chloride	U		0.118	0.590	100	04/10/2018 19:01	WG1095656
4-Methyl-2-pentanone (MIBK)	U		0.222	1.18	100	04/10/2018 19:01	WG1095656
Methyl tert-butyl ether	U		0.0250	0.118	100	04/10/2018 19:01	WG1095656
Naphthalene	U		0.118	0.590	100	04/10/2018 19:01	WG1095656
n-Propylbenzene	U		0.0243	0.118	100	04/10/2018 19:01	WG1095656
Styrene	U		0.0276	0.118	100	04/10/2018 19:01	WG1095656
1,1,1,2-Tetrachloroethane	U		0.0311	0.118	100	04/10/2018 19:01	WG1095656
1,1,2,2-Tetrachloroethane	U		0.0431	0.118	100	04/10/2018 19:01	WG1095656
1,1,2-Trichlorotrifluoroethane	U		0.0431	0.118	100	04/10/2018 19:01	WG1095656
Tetrachloroethene	15.1		0.326	1.18	1000	04/11/2018 17:29	WG1095656
Toluene	U		0.0512	0.590	100	04/10/2018 19:01	WG1095656
1,2,3-Trichlorobenzene	U		0.0361	0.118	100	04/10/2018 19:01	WG1095656
1,2,4-Trichlorobenzene	U		0.0458	0.118	100	04/10/2018 19:01	WG1095656
1,1,1-Trichloroethane	U		0.0337	0.118	100	04/10/2018 19:01	WG1095656
1,1,2-Trichloroethane	U		0.0327	0.118	100	04/10/2018 19:01	WG1095656
Trichloroethene	3.57		0.0329	0.118	100	04/10/2018 19:01	WG1095656
Trichlorofluoromethane	U		0.0451	0.590	100	04/10/2018 19:01	WG1095656
1,2,3-Trichloropropane	U		0.0874	0.295	100	04/10/2018 19:01	WG1095656
1,2,4-Trimethylbenzene	0.0317 J	J	0.0249	0.118	100	04/10/2018 19:01	WG1095656
1,2,3-Trimethylbenzene	U		0.0339	0.118	100	04/10/2018 19:01	WG1095656
1,3,5-Trimethylbenzene	U		0.0314	0.118	100	04/10/2018 19:01	WG1095656
Vinyl acetate	U		0.282	1.18	100	04/10/2018 19:01	WG1095656
Vinyl chloride	0.382		0.0343	0.118	100	04/10/2018 19:01	WG1095656
Xylenes, Total	U		0.0823	0.354	100	04/10/2018 19:01	WG1095656
(S) Toluene-d8	*110*			*80.0-120*		*04/10/2018 19:01*	WG1095656
(S) Toluene-d8	*111*			*80.0-120*		*04/11/2018 17:29*	WG1095656
(S) Dibromofluoromethane	*93.8*			*74.0-131*		*04/11/2018 17:29*	WG1095656
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*04/10/2018 19:01*	WG1095656
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*04/10/2018 19:01*	WG1095656
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*04/11/2018 17:29*	WG1095656

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Sample Narrative:

L984082-02 WG1095656: Cannot be analyzed at a lower dilution due to high levels of target and non-target analytes.

MEMORANDUM

TO: Project File **DATE:** April 30, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.05.304

TASK: March and April, 2018 – Soil Samples

LAB: ESC Sample Delivery Groups L981889, L982183, L982194, L982616, L982619, L983275, L983357, L983460, and L984082

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145 soil samples including five (5) field duplicates, and six (6) trip blanks were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 28-29 and April 2-6, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C;
- Total petroleum hydrocarbons as gasoline (TPH-Gx) by NWTPH-Gx per analytical method stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

Associated sample data are reported in nine ESC SDGs (L981889, L982183, L982194, L982616, L982619, L983275, L983357, L983460, and L984082). The quality assurance review of the sample data are summarized below.

DATA QUALIFICATIONS

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

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested with the following discussion:

- SDG L981889: Per PES's request ESC deleted the request for NWTPH-Gx analysis on sample B-245-5.

- SDG L983357: ESC did not receive sample B-239-30 though it was listed on the chain of custody. PES confirmed that ESC should proceed with requested analyses without sample B-239-30.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation less than 6°C. No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria were met.

NWTPH-Gx Method:
All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed within the USEPA recommended holding time of seven days for total solids.

Initial and Continuing Calibration

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

- *SDG* L981889 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for 2-butanone (MEK) associated with analytical batch WG1092116 (analyzed on March 31, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *SDG* L981889 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acrylonitrile, cis-1,2-dichloroethene, and 1,1,2,2-tetrachloroethane, associated with analytical batch WG1092115 (analyzed on March 31, 2018). Both trip blank results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Both trip blank results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *SDG* L981889 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, trans-1,4-dichloro-2-butene, di-isopropyl ether, 2-butanone (MEK), and vinyl acetate associated with analytical batch WG1092317 (analyzed on April 1, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *SDG* L982183 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, chloromethane, dichlorodifluoromethane, trans-1,4-dichloro-2-butene, di-isopropyl ether, 2-butanone (MEK), and vinyl acetate associated with analytical batch WG1092919 (analyzed on April 9, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *SDG* L982183 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for bromomethane and chloroethane associated with analytical batch WG1093155 (analyzed on April 4, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L982194 – *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromodichloromethane, bromoform carbon disulfide, dichlorodifluoromethane, 2-butanone (MEK), and vinyl chloride associated with analytical batch WG1092512 (analyzed on April 2, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L982619 *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromodichloromethane, bromoform, carbon disulfide, chloromethane, 1,2-dibromo-3-chloropropane, trans-1,4-dichloro-2-butene, di-isopropyl ether, n-hexane, 2-butanone (MEK) and vinyl acetate associated with analytical batch WG1094372 (analyzed on April 6, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *SDG L982619 USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, 1,2-dibromo-3-chloropropane, di-isopropyl ether, and 2-butanone (MEK) associated with analytical batch WG1093369 (analyzed on April 5, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *SDG L983357 USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for vinyl acetate associated with analytical batch WG1094421 (analyzed on April 6, 2018). This result is qualified by the laboratory "J0" to indicate that percent difference CCV is outside of laboratory acceptance criteria. **All associated result (trip blank) with laboratory qualified (J0) result is estimated and qualified (J/UJ).**

- SDG L983460 *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromobenzene, bromoform, 1,2-dibromo-3-dhloropropane, trans-1,4-dichloro-2-butene, 2-hexanone, 2-butanone (MEK), styrene, and vinyl acetate associated with analytical batch WG1094858 (analyzed on April 7, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *SDG* L984082 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, chloromethane, dichlorodifluoromethane, trans-1,4-dichloro-2-butene, di-isopropyl ether, 2-butanone (MEK), and vinyl acetate associated with analytical batch WG1094855 (analyzed on April 9, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L981889 Analytical batch WG1092315: A low level of n-hexane was detected in the method blank. Compound n-hexane was detected in associated samples B-244-75, B-244-80, IW-907-70, B-245-5, B-245-20, B-245-25, and B-245-30. **Results for n-hexane are qualified as not detected (U) due to method blank contamination.**

- SDG L982619 Analytical batch WG1094372: A low level of 1,2,3-trichlorobenzene was detected in the method blank. No action was necessary as this compound was not detected in the associated samples.

- SDG L983275 Analytical batch WG1094657: A low level of 1,2,4-trichlorobenzene was detected in the method blank. **Compound 1,2,4-trichlorobenzene was detected in associated samples B-241-25 and B-241-50. Results for 1,2,4-trichlorobenzene are qualified as not detected (U) due to method blank contamination.**

- SDG L983357 Analytical Batch WG1094421: A low level of cis-1,2-dichloroethene, hexachloro-1,3-butadiene, naphthalene, tetrachloroethene, and 1,2,3-trichlorobenzene are detected in the method blank. **The cis-1,2-dichloroethene and tetrachloroethene**

results in the associated trip blank are qualified as not detected (U) due to associated method blank contamination.

- SDG L983357 Analytical Batch WG1094657: A low level of 1,2,4-trimethylbenzene is detected in the method blank. No action was necessary as this compound was not detected in the associated samples.

NWTPH-Gx Method:
Laboratory method blanks were included with the analytical batches per method requirement. The target analyte (gasoline) was not detected in the method blanks at or above the RDLs.

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

Trip Blank Results

USEPA Method 8260C and NWTPH-Gx Method:
Five trip blanks were collected and analyzed. The target analytes were not detected in the trip blank at or above the RDLs with the following exceptions:

- SDG L982194 - Analytical batch WG1093696: Low levels of acetone and cis-1,2-dichloroethene were detected in the trip blank. No action was necessary for acetone as it was not detected in the associated samples. **A low level of cis-1,2-dichloroethene was detected in associated sample B-243-70, qualified as not detected, and qualified (U) due to trip blank contamination.**

- SDG L982616 - Analytical batch WG1093766: A low level of acetone is detected in the trip blank. Acetone was also detected at low levels and below the RDL in samples MW-147-10, MW-147-40, MW-147-50, MW-147-60, MW-147-80, and MW-901-10. **Acetone results for these samples are not detected and qualified (U) due to trip blank contamination.**

- SDG L983357 Analytical Batch WG1094421: A low level of cis-1,2-dichloroethene Tetrachloroethene are detected in the trip blank. **These results in the associated trip blank are qualified as not detected (U) due to associated trip blank contamination.**

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate sample pairs are as follows:

- ESC SDG L981889: Samples B-244-70 and IW-907-70

- ESC SDGs L982183 and L982194: Samples B-243-50 and IW-908-50
- ESC SDG L982616: Samples MW-147-60 and MW-901-10
- ESC SDG L983357: Samples B-239-50 and B-909-50
- ESC SDG L983460: Samples B-242-50 and B-910-50

Field duplicate pairs were submitted and analyzed for VOCs. VOC target analyte results are comparable and within a relative percent difference (RPD) of 30% (for results >5X the RDL) for both sets of field duplicates with the following exceptions:

- ESC SDG L981889: Samples B-244-70 and IW-907-70 - Field duplicate RPD is greater than 30% for tetrachloroethene, trichloroethene, and vinyl chloride. **Field duplicate results for these compounds are estimated and qualified (J) due to poor field precision.**

- ESC SDGs L982183 and L982194: Samples B-243-50 and IW-908-50 - Field duplicate RPD is greater than 30% for 1,1-dichloroethene and tetrachloroethene. **Field duplicate results for these compounds are estimated and qualified (J) due to poor field precision.**

Laboratory Duplicate Analyses

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

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

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

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, duplicates, laboratory control samples, matrix spike samples, trip blanks, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exceptions:

- SDG L982183 - Analytical Batch WG1092919 on April 3, 2018: Surrogate 4-bromofluorobenzene recovery at 142% and is above laboratory criteria (64-132%) in

sample B-243-20. **All positively detected results, associated with April 3, 2018, for sample B-243-20 are estimated (J+) due to elevated surrogate recovery.**

- SDG L983460 - Analytical batch WG1094858 on April 7, 2018: Surrogate dibromofluoromethane recovery is above laboratory control limit criteria in samples B-242-75, B-242-80, B-241-45, B-241-35, and B-241-75. **All positively detected results, associated with April 7, 2018, for sample B-242-75, B-242-80, B-241-45, B-241-35, and B-241-75 are estimated (J+) due to elevated surrogate recovery.**

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NWTPH-Gx Method:
The surrogate recovery results for the samples, duplicates, laboratory control samples, matrix spike samples, trip blanks, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exceptions:

- SDG L982183 - Analytical Batch WG1092639: Surrogate a,a,a-trifluorotoluene recovery was low and below laboratory criteria and reanalysis confirms that this is due to matrix effect. The internal standard was also recovered low and the result is laboratory qualified (V3). **Gasoline result for sample B-243-15 is estimated and qualified (J) due to low surrogate recovery. No bias is assigned in this case since the guidance recommends high bias for a <u>low internal</u> standard recovery and a low bias for a low surrogate recovery.**

- SDG L984082 Analytical Batch WG1096314: ESC footnotes indicate that surrogate a,a,a-trifluorotoluene recovery for sample MW-158-30 was low and below laboratory criteria due to matrix effect. Review shows that surrogate recovery is within criteria (104%). ESC sample narrative notes also indicated that the internal standard recoveries are also low. ESC revised the report on May 2, 2018. The reported gasoline result for sample MW-158-30 was revised to include laboratory qualifier (V3) indicating that the internal standard recovery was low. ESC removed the footnote regarding low surrogate recovery. **Gasoline result for sample MW-158-30 is estimated and qualified with potential high bias (J+) due to a low internal standard recovery.**

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client sample IW-27B-35 and on a non-client sample within the analytical batch. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

<u>Laboratory Control Samples</u>

USEPA Method 8260C:

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

- SDG L981889 - Analytical Batch WG1092116: Multiple LCS/LCSD compounds are recovered within control limits but recovered wide with elevated RPDs and are laboratory qualified (J3). No action was taken since recoveries are wide but within criteria. LCSD recovery for trichloroethene was slightly above control limit criteria and laboratory qualified (J4). No action is taken on associated sample results with trichloroethene detections other than to note that the LCS is within criteria.

- SDG L981889 - Analytical batch WG1092317: LCS/LCSDs were analyzed along with this batch. All recoveries are within criteria except for LCS/LCSD compounds 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene which are recovered above control limit criteria and laboratory qualified (J4). No action was taken since these compounds are not detected in the associated samples.

- SDG L981889 - Analytical batch WG1092115: LCS/LCSDs were analyzed along with this batch. All recoveries are within criteria except for LCS compound trichlorofluoromethane which is recovered above control limit criteria and laboratory qualified (J4). No action was taken since trichlorofluoromethane was not detected in the associated samples (trip blanks).

- SDG L982183 - Analytical Batch WG1092919: Multiple LCS/LCSD compounds were recovered within control limits but recovered wide with elevated RPDs and are laboratory qualified (J3). No action was taken since recoveries are wide but within criteria. LCS/LCSD was reanalyzed for one compound (tetrachloroethene) and LCS/LCSD %Rs and RPDs are acceptable and within laboratory control limit criteria. Associated samples B-243-10, B-243-20, B-243-25, and B-243-30 were reanalyzed for tetrachloroethene at various dilution factors. No action was taken other than to note this.

- SDG L982194 - Analytical batch WG1092512: LCS/LCSDs were analyzed along with this batch. All recoveries are within criteria. ESC qualified acetone and bromoform results as outside of laboratory criteria however these are within criteria.

- SDG L982616 - Analytical batch WG1093766: LCS was analyzed along with this batch. All recoveries are within criteria except for LCS compounds chloromethane and styrene which are recovered above control limit criteria and laboratory qualified (J4). No action was taken since chloromethane and styrene are not detected in the associated sample (trip blank).

- SDGs L983275 and L983357 - Analytical batch WG1094657: LCS/LCSD was analyzed along with this batch. All recoveries are within criteria except for LCSD compound hexachloro-1,3-butadiene is recovered above control limit criteria and laboratory qualified (J4). No action was taken since this compound is not detected in the associated samples.

- SDG L983357 and L983460 - Analytical batch WG1094842: Multiple LCS/LCSD compounds were recovered within control limits but recovered wide with elevated RPDs and are laboratory qualified (J3). No action was taken since recoveries are wide but within criteria. All recoveries are within criteria. ESC qualified (J4) the total xylenes result as outside of criteria (one of the isomers failed high) but the recovery for total xylenes is within criteria.

- SDG L983460 - Analytical batch WG1094858: LCS/LCSD was analyzed along with this batch. Bromobenzene result is 77.9% and slightly below the criteria 78-120%. No action is taken in this case.

NWTPH-Gx Method:
The LCS/LCSD %Rs and RPDs for the target compound (gasoline) are within the laboratory control criteria for waters.

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

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on client and non-client samples. In cases where MS/MSDs were not performed refer to LCS/LCSD for accuracy and precision data. MS/MSD % Rs and RPDs are acceptable with the following exceptions:

- SDG L981889 - Analytical Batch WG1092116: Spike was performed on sample B-244-42. Multiple MS/MSD compounds are recovered within control limits but recovered wide with elevated RPDs and laboratory qualified (J3). No action was taken on this basis since recoveries are within. Multiple compounds were recovered above control limit criteria due to matrix interference and are laboratory qualified (J5). **Associated detects (trans-1,2-dichloroethene and trichloroethene) in sample B-244-42 are qualified as estimated (J).**

- SDG L981889 - Analytical Batch WG1092315: Spike was performed on a non-client sample within the analytical batch. MS/MSD recoveries for acetone, 2-butanone (MEK), and total xylenes are above laboratory control limit criteria. No action was taken since the spike was performed on a non-client sample and the LCS/LCSD results are acceptable.

- SDG L981889 - Analytical Batch WG1092317: Spike was performed on a non-client sample within the analytical batch. MS/MSD recoveries for several compounds were below or outside of laboratory control limit criteria and laboratory qualified (J6, EV, E, or V). No action was taken since the spike was performed on a non-client sample within the analytical batch and the LCS/LCSD results are acceptable.

- SDG L982183 - Analytical Batch WG1093155: Spike was performed on a non-client sample. MS/MSD recoveries for dichlorodifluoromethane are recovered low and below

laboratory control limit criteria. No action was taken since the spike was performed on a non-client sample and the LCS/LCSD results are acceptable.

- SDG L982616 - Analytical WG1093771: Spike was performed on a client sample related to SDG L982619. Several MS/MSD compounds are recovered outside of criteria. No action was taken on this basis since this spike was performed on a client sample that is not associated with this SDG but analyzed within the analytical batch. LCS/LCSD results are acceptable.

- SDG L982619 - Analytical Batch WG1093369: Spike was performed on client sample B-240-42. Multiple MS/MSD compounds are recovered within control limits but recovered wide with elevated RPDs and laboratory qualified (J3). No action was taken on this basis since recoveries are within. Tetrachloroethene is not recovered and was laboratory qualified (V) because the sample concentration is significantly greater than the spike amount. No action was taken on this basis. Compounds 1,2,3-trimethylbenzene and 1,2,4-trimethylbenzene are recovered above control limit criteria due to matrix interference and are laboratory qualified (J5). These compounds were not detected in sample B-240-42 thus no action is required. Vinyl acetate spike results are low, recovered at less than 10%, and laboratory qualified (J6). **Associated sample B-240-42 vinyl acetate result is qualified as rejected (R) due to low spike recoveries.**

- SDG L982619 - Analytical Batch WG1093771: Spike analyses were performed on sample B-240-20. Compounds cis-1,2-dichloroethene and tetrachloroethene are not recovered and are laboratory qualified (V) because the sample concentration is significantly greater than the spike amount. Spike results for sample B-240-20 are also laboratory qualified due to calibration range exceedances and/or wide and elevated RPD. No action is taken on this basis. Trichloroethene results were recovered low and laboratory qualified (J6). **Trichloroethene recoveries are less than 10% and positively detected in sample B-240-20. Trichloroethene result for sample B-240-20 is estimated and qualified (J) due to low spike recoveries.**

- SDG L982619 - Analytical Batch WG1094372: Spike analyses were performed on a non-client sample. MS/MSD recoveries for chloroethane and vinyl acetate are recovered below criteria and laboratory qualified (J6). RPD values for acetone and vinyl acetate are above limits and laboratory qualified (J3). No action was taken on this basis since the spike was performed on a non-client sample and the LCS/LCSD results are acceptable.

- SDGs L983275 and L983357 - Analytical batch WG1094657: Spike was performed on a non-client sample within the analytical batch. MS/MSD recoveries for acetone and p-isopropyltoluene are recovered above criteria due to matrix interference and laboratory qualified (J5). RPD values for acetone, acrylonitrile, 2-hexanone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and methyl tert-butyl ether are above limits and laboratory qualified (J3). No action was taken on this basis since the spike was performed on a non-client sample and the LCS/LCSD results are acceptable.

- SDG L983460 - Analytical batch WG1094858: Spike was performed on a non-client sample within the analytical batch. MSD recovery for 1,1,2-trichlorotrifluoroethane is

above criteria due to matrix interference and laboratory qualified (J5). No action is taken since the spike was performed on a non-client sample and the LCS/LCSD results are acceptable.

- SDG L984082 - Analytical batch WG1095656: MS/MSD was performed on sample MW-158-30. Tetrachloroethene MS/MSD results are laboratory qualified (EV) to indicate that the sample concentration exceeds the calibration range. The sample amount was significantly greater than the spike amount. No action was taken due to the poor spike recoveries.

NWTPH-Gx Method:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on non-client samples within the analytical batches. In cases where spike analyses are not performed refer to LCS/LCSD or laboratory duplicate data for additional accuracy and precision data. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exception:

- SDG L982183 - Analytical Batch WG1092639: Spike was performed on a non-client sample within the analytical batch. MS/MSD recoveries and RPD for gasoline are outside of laboratory control limit criteria. No action was taken since the spike was performed on a non-client sample and the LCS/LCSD results are acceptable.

Other Quality Control Issues

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

Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC sample narrative notes indicate that for soil samples B-244-42, B-240-25, B-240-42, and B-242-25 the target compounds were too high to run the sample at a lower dilution. ESC sample narrative notes indicate that for soil samples B-243-15 and MW-158-30 the target and non-target analytes were too high to run the sample at a lower dilution. Specific issues were also identified by laboratory qualifier or sample narratives and are noted as follows:

- SDG L982194 - Analytical Batch WG1092512: Vinyl chloride result for samples B-243-55 and B-243-60 are laboratory qualified (E) to indicate that the result exceeds the upper limit of the calibration range. **Vinyl chloride results for these samples B-243-55 and B-243-60 are estimated and qualified (J).**

- SDG L982619 - Analytical Batch WG1093369: Sample B-240-42 narrative notes indicate that trichloroethene (TCE) was not reportable without a dilution due to possible carryover from prior sample analyses on April 5, 2018. The sample was subsequently diluted twenty-five fold, reanalyzed, and TCE was reported as a non-detect. ESC narrative notes also indicate that TCE cannot be reported at a lower dilution due to high levels of target compounds. **The sample was not reanalyzed without a dilution due to**

high levels of targets and as a result carryover was not confirmed. The TCE result for sample B-240-42 is estimated and qualified (UJ) since the laboratory indicated a potential for TCE carryover.

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

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

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

- **SDG L982619 - Analytical Batch WG1093369: Associated sample B-240-42 vinyl acetate result is qualified as rejected (R) due to low spike recoveries.**

ANALYTICAL REPORT

April 09, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L982159
Samples Received:	03/31/2018
Project Number:	1413.001.05.601
Description:	American Linen Supply

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

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

IW-49B-032818 L982159-01 GW

Collected by: Jeff Dobbins | Collected date/time: 03/28/18 09:51 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 17:51	04/04/18 17:51	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	20	04/07/18 17:04	04/07/18 17:04	BMB

IW-46A-032818 L982159-02 GW

Collected by: Jeff Dobbins | Collected date/time: 03/28/18 11:13 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 18:10	04/04/18 18:10	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	10	04/07/18 17:23	04/07/18 17:23	BMB

IW-51B-032818 L982159-03 GW

Collected by: Jeff Dobbins | Collected date/time: 03/28/18 11:58 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 18:29	04/04/18 18:29	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/07/18 17:43	04/07/18 17:43	BMB

IW-37A-032818 L982159-04 GW

Collected by: Jeff Dobbins | Collected date/time: 03/28/18 13:20 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 18:47	04/04/18 18:47	LRL

IW-45B-032818 L982159-05 GW

Collected by: Jeff Dobbins | Collected date/time: 03/28/18 14:56 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 19:06	04/04/18 19:06	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	10	04/07/18 18:02	04/07/18 18:02	BMB

IW-4A-032818 L982159-06 GW

Collected by: Jeff Dobbins | Collected date/time: 03/28/18 15:45 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 19:25	04/04/18 19:25	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	200	04/08/18 11:14	04/08/18 11:14	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	50	04/07/18 18:22	04/07/18 18:22	BMB

IW-3B-032818 L982159-07 GW

Collected by: Jeff Dobbins | Collected date/time: 03/28/18 16:27 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 19:44	04/04/18 19:44	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	50	04/07/18 18:41	04/07/18 18:41	BMB

IW-1C-032918 L982159-08 GW

Collected by: Jeff Dobbins | Collected date/time: 03/29/18 08:41 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 20:03	04/04/18 20:03	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/07/18 19:01	04/07/18 19:01	BMB

IW-4D-032918 L982159-09 GW

Collected by: Jeff Dobbins | Collected date/time: 03/29/18 10:45 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 20:21	04/04/18 20:21	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/07/18 19:20	04/07/18 19:20	BMB

IW-19C-032918 L982159-10 GW

Collected by: Jeff Dobbins | Collected date/time: 03/29/18 13:45 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 20:40	04/04/18 20:40	LRL

IW-37B-032918 L982159-11 GW

Collected by: Jeff Dobbins | Collected date/time: 03/29/18 14:30 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 20:59	04/04/18 20:59	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	50	04/07/18 19:40	04/07/18 19:40	BMB

IW-9A-032918 L982159-12 GW

Collected by: Jeff Dobbins | Collected date/time: 03/29/18 15:34 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 21:17	04/04/18 21:17	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	50	04/07/18 19:59	04/07/18 19:59	BMB

IW-8B-033018 L982159-13 GW

Collected by: Jeff Dobbins | Collected date/time: 03/30/18 08:15 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 21:36	04/04/18 21:36	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/07/18 20:19	04/07/18 20:19	BMB

IW-18A-033018 L982159-14 GW

Collected by: Jeff Dobbins | Collected date/time: 03/30/18 09:00 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 21:55	04/04/18 21:55	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	100	04/07/18 20:38	04/07/18 20:38	BMB

IW-17B-033018 L982159-15 GW

Collected by: Jeff Dobbins | Collected date/time: 03/30/18 09:51 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 22:14	04/04/18 22:14	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	500	04/07/18 20:58	04/07/18 20:58	BMB

IW-24B-033018 L982159-16 GW

Collected by: Jeff Dobbins | Collected date/time: 03/30/18 10:55 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 22:33	04/04/18 22:33	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	500	04/07/18 21:17	04/07/18 21:17	BMB

IW-15C-033018 L982159-17 GW

Collected by: Jeff Dobbins | Collected date/time: 03/30/18 12:15 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	10	04/04/18 22:52	04/04/18 22:52	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	500	04/07/18 21:37	04/07/18 21:37	BMB

IW-20C-033018 L982159-18 GW

Collected by: Jeff Dobbins | Collected date/time: 03/30/18 14:00 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 23:10	04/04/18 23:10	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	100	04/07/18 21:56	04/07/18 21:56	BMB

MW-901-033018 L982159-19 GW

Collected by: Jeff Dobbins | Collected date/time: 03/30/18 11:20 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 23:29	04/04/18 23:29	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	100	04/07/18 22:16	04/07/18 22:16	BMB

TRIP BLANK L982159-20 GW

Collected by: Jeff Dobbins | Collected date/time: 03/30/18 00:00 | Received date/time: 03/31/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093670	1	04/04/18 17:32	04/04/18 17:32	LRL

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

Brian Ford
Technical Service Representative

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	221		1.05	25.0	1	04/04/2018 17:51	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 17:51	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 17:51	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 17:51	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 17:51	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 17:51	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 17:51	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 17:51	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 17:51	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 17:51	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 17:51	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 17:51	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 17:51	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 17:51	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 17:51	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 17:51	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 17:51	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 17:51	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 17:51	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 17:51	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 17:51	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 17:51	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 17:51	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 17:51	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 17:51	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 17:51	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 17:51	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 17:51	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 17:51	WG1093670
1,1-Dichloroethene	3.52		0.188	0.500	1	04/04/2018 17:51	WG1093670
cis-1,2-Dichloroethene	974		1.87	10.0	20	04/07/2018 17:04	WG1093670
trans-1,2-Dichloroethene	1.49		0.152	0.500	1	04/04/2018 17:51	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 17:51	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 17:51	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 17:51	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 17:51	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 17:51	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 17:51	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 17:51	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 17:51	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 17:51	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 17:51	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 17:51	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 17:51	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 17:51	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 17:51	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 17:51	WG1093670
2-Butanone (MEK)	33.1		1.28	5.00	1	04/04/2018 17:51	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 17:51	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 17:51	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 17:51	WG1093670
Naphthalene	0.197	J	0.174	2.50	1	04/04/2018 17:51	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 17:51	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 17:51	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 17:51	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 17:51	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 17:51	WG1093670
Tetrachloroethene	0.307	J	0.199	0.500	1	04/04/2018 17:51	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 17:51	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 17:51	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 17:51	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 17:51	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 17:51	WG1093670
Trichloroethene	0.572		0.153	0.500	1	04/04/2018 17:51	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 17:51	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 17:51	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 17:51	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 17:51	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 17:51	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 17:51	WG1093670
Vinyl chloride	668		2.36	10.0	20	04/07/2018 17:04	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 17:51	WG1093670
(S) Toluene-d8	*92.0*			*80.0-120*		*04/07/2018 17:04*	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 17:51*	WG1093670
(S) Dibromofluoromethane	*93.5*			*76.0-123*		*04/04/2018 17:51*	WG1093670
(S) Dibromofluoromethane	*92.8*			*76.0-123*		*04/07/2018 17:04*	WG1093670
(S) 4-Bromofluorobenzene	*99.7*			*80.0-120*		*04/07/2018 17:04*	WG1093670
(S) 4-Bromofluorobenzene	*80.7*			*80.0-120*		*04/04/2018 17:51*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	188		1.05	25.0	1	04/04/2018 18:10	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 18:10	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 18:10	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 18:10	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 18:10	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 18:10	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 18:10	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 18:10	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 18:10	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 18:10	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 18:10	WG1093670
Carbon disulfide	0.152	J	0.101	0.500	1	04/04/2018 18:10	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 18:10	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 18:10	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 18:10	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 18:10	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 18:10	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 18:10	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 18:10	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 18:10	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 18:10	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 18:10	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 18:10	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 18:10	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 18:10	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 18:10	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 18:10	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 18:10	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 18:10	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 18:10	WG1093670
cis-1,2-Dichloroethene	8.86		0.933	5.00	10	04/07/2018 17:23	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 18:10	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 18:10	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 18:10	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 18:10	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 18:10	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 18:10	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 18:10	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 18:10	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 18:10	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 18:10	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 18:10	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 18:10	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 18:10	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 18:10	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 18:10	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 18:10	WG1093670
2-Butanone (MEK)	25.7		1.28	5.00	1	04/04/2018 18:10	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 18:10	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 18:10	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 18:10	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 18:10	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 18:10	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 18:10	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 18:10	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 18:10	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 18:10	WG1093670
Tetrachloroethene	0.200	J	0.199	0.500	1	04/04/2018 18:10	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 18:10	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 18:10	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 18:10	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 18:10	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 18:10	WG1093670
Trichloroethene	U		0.153	0.500	1	04/04/2018 18:10	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 18:10	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 18:10	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 18:10	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 18:10	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 18:10	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 18:10	WG1093670
Vinyl chloride	284		1.18	5.00	10	04/07/2018 17:23	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 18:10	WG1093670
(S) Toluene-d8	*96.7*			*80.0-120*		*04/07/2018 17:23*	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 18:10*	WG1093670
(S) Dibromofluoromethane	*93.7*			*76.0-123*		*04/07/2018 17:23*	WG1093670
(S) Dibromofluoromethane	*92.2*			*76.0-123*		*04/04/2018 18:10*	WG1093670
(S) 4-Bromofluorobenzene	*82.0*			*80.0-120*		*04/04/2018 18:10*	WG1093670
(S) 4-Bromofluorobenzene	*97.6*			*80.0-120*		*04/07/2018 17:23*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	4.66	J	1.05	25.0	1	04/04/2018 18:29	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 18:29	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 18:29	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 18:29	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 18:29	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 18:29	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 18:29	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 18:29	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 18:29	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 18:29	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 18:29	WG1093670
Carbon disulfide	0.944		0.101	0.500	1	04/04/2018 18:29	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 18:29	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 18:29	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 18:29	WG1093670
Chloroethane	0.292	J	0.141	2.50	1	04/04/2018 18:29	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 18:29	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 18:29	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 18:29	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 18:29	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 18:29	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 18:29	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 18:29	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 18:29	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 18:29	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 18:29	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 18:29	WG1093670
cis-1,2-Dichloroethene	4.60		0.0933	0.500	1	04/07/2018 17:43	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 18:29	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 18:29	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 18:29	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 18:29	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 18:29	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 18:29	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 18:29	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 18:29	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 18:29	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 18:29	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 18:29	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 18:29	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 18:29	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 18:29	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 18:29	WG1093670
2-Butanone (MEK)	1.43	J	1.28	5.00	1	04/04/2018 18:29	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 18:29	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 18:29	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 18:29	WG1093670
Naphthalene	0.208	J	0.174	2.50	1	04/04/2018 18:29	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 18:29	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 18:29	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 18:29	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 18:29	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 18:29	WG1093670
Tetrachloroethene	0.437	J	0.199	0.500	1	04/04/2018 18:29	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 18:29	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 18:29	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 18:29	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 18:29	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 18:29	WG1093670
Trichloroethene	0.817		0.153	0.500	1	04/04/2018 18:29	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 18:29	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 18:29	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 18:29	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 18:29	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 18:29	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 18:29	WG1093670
Vinyl chloride	20.5		0.118	0.500	1	04/07/2018 17:43	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 18:29	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 18:29*	WG1093670
(S) Toluene-d8	*95.5*			*80.0-120*		*04/07/2018 17:43*	WG1093670
(S) Dibromofluoromethane	*85.6*			*76.0-123*		*04/04/2018 18:29*	WG1093670
(S) Dibromofluoromethane	*95.4*			*76.0-123*		*04/07/2018 17:43*	WG1093670
(S) 4-Bromofluorobenzene	*99.3*			*80.0-120*		*04/07/2018 17:43*	WG1093670
(S) 4-Bromofluorobenzene	*79.5*	J2		*80.0-120*		*04/04/2018 18:29*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.64	J	1.05	25.0	1	04/04/2018 18:47	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 18:47	WG1093670
Benzene	0.157	J	0.0896	0.500	1	04/04/2018 18:47	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 18:47	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 18:47	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 18:47	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 18:47	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 18:47	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 18:47	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 18:47	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 18:47	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 18:47	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 18:47	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 18:47	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 18:47	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 18:47	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 18:47	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 18:47	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 18:47	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 18:47	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 18:47	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 18:47	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 18:47	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 18:47	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 18:47	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 18:47	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 18:47	WG1093670
cis-1,2-Dichloroethene	10.5		0.0933	0.500	1	04/04/2018 18:47	WG1093670
trans-1,2-Dichloroethene	0.419	J	0.152	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 18:47	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 18:47	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 18:47	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 18:47	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 18:47	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 18:47	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 18:47	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 18:47	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 18:47	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 18:47	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 18:47	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 18:47	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 18:47	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 18:47	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 18:47	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 18:47	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 18:47	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 18:47	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 18:47	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 18:47	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 18:47	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 18:47	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 18:47	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 18:47	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 18:47	WG1093670
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 18:47	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 18:47	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 18:47	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 18:47	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 18:47	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 18:47	WG1093670
Trichloroethene	U		0.153	0.500	1	04/04/2018 18:47	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 18:47	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 18:47	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 18:47	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 18:47	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 18:47	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 18:47	WG1093670
Vinyl chloride	55.9		0.118	0.500	1	04/04/2018 18:47	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 18:47	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 18:47*	WG1093670
(S) Dibromofluoromethane	*92.7*			*76.0-123*		*04/04/2018 18:47*	WG1093670
(S) 4-Bromofluorobenzene	*77.9*	J2		*80.0-120*		*04/04/2018 18:47*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.12	J	1.05	25.0	1	04/04/2018 19:06	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 19:06	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 19:06	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 19:06	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 19:06	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 19:06	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 19:06	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 19:06	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 19:06	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 19:06	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 19:06	WG1093670
Carbon disulfide	0.168	J	0.101	0.500	1	04/04/2018 19:06	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 19:06	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 19:06	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 19:06	WG1093670
Chloroethane	0.552	J	0.141	2.50	1	04/04/2018 19:06	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 19:06	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 19:06	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 19:06	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 19:06	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 19:06	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 19:06	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 19:06	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 19:06	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 19:06	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 19:06	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 19:06	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 19:06	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 19:06	WG1093670
1,1-Dichloroethene	0.641		0.188	0.500	1	04/04/2018 19:06	WG1093670
cis-1,2-Dichloroethene	213		0.933	5.00	10	04/07/2018 18:02	WG1093670
trans-1,2-Dichloroethene	7.09		0.152	0.500	1	04/04/2018 19:06	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 19:06	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 19:06	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 19:06	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 19:06	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 19:06	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 19:06	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 19:06	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 19:06	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 19:06	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 19:06	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 19:06	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 19:06	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 19:06	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 19:06	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 19:06	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 19:06	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 19:06	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 19:06	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 19:06	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 19:06	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 19:06	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 19:06	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 19:06	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 19:06	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 19:06	WG1093670
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 19:06	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 19:06	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 19:06	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 19:06	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 19:06	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 19:06	WG1093670
Trichloroethene	0.215	J	0.153	0.500	1	04/04/2018 19:06	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 19:06	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 19:06	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 19:06	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 19:06	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 19:06	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 19:06	WG1093670
Vinyl chloride	150		0.118	0.500	1	04/04/2018 19:06	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 19:06	WG1093670
(S) Toluene-d8	*103*			*80.0-120*		*04/04/2018 19:06*	WG1093670
(S) Toluene-d8	*95.2*			*80.0-120*		*04/07/2018 18:02*	WG1093670
(S) Dibromofluoromethane	*93.9*			*76.0-123*		*04/04/2018 19:06*	WG1093670
(S) Dibromofluoromethane	*92.3*			*76.0-123*		*04/07/2018 18:02*	WG1093670
(S) 4-Bromofluorobenzene	*81.2*			*80.0-120*		*04/04/2018 19:06*	WG1093670
(S) 4-Bromofluorobenzene	*97.7*			*80.0-120*		*04/07/2018 18:02*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.01	J	1.05	25.0	1	04/04/2018 19:25	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 19:25	WG1093670
Benzene	0.205	J	0.0896	0.500	1	04/04/2018 19:25	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 19:25	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 19:25	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 19:25	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 19:25	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 19:25	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 19:25	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 19:25	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 19:25	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 19:25	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 19:25	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 19:25	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 19:25	WG1093670
Chloroethane	17.2		0.141	2.50	1	04/04/2018 19:25	WG1093670
Chloroform	0.526		0.0860	0.500	1	04/04/2018 19:25	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 19:25	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 19:25	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 19:25	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 19:25	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 19:25	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 19:25	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 19:25	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 19:25	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 19:25	WG1093670
1,1-Dichloroethene	8.95		0.188	0.500	1	04/04/2018 19:25	WG1093670
cis-1,2-Dichloroethene	2010		4.66	25.0	50	04/07/2018 18:22	WG1093670
trans-1,2-Dichloroethene	9.77		0.152	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 19:25	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 19:25	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 19:25	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 19:25	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 19:25	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 19:25	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 19:25	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 19:25	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 19:25	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 19:25	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 19:25	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 19:25	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 19:25	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 19:25	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 19:25	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 19:25	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 19:25	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 19:25	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 19:25	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 19:25	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 19:25	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 19:25	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 19:25	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 19:25	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 19:25	WG1093670
Tetrachloroethene	9470		39.8	100	200	04/08/2018 11:14	WG1093670
Toluene	0.589		0.412	0.500	1	04/04/2018 19:25	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 19:25	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 19:25	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 19:25	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 19:25	WG1093670
Trichloroethene	1100		7.65	25.0	50	04/07/2018 18:22	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 19:25	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 19:25	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 19:25	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 19:25	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 19:25	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 19:25	WG1093670
Vinyl chloride	306		5.90	25.0	50	04/07/2018 18:22	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 19:25	WG1093670
(S) Toluene-d8	*96.0*			*80.0-120*		*04/08/2018 11:14*	WG1093670
(S) Toluene-d8	*95.7*			*80.0-120*		*04/07/2018 18:22*	WG1093670
(S) Toluene-d8	*101*			*80.0-120*		*04/04/2018 19:25*	WG1093670
(S) Dibromofluoromethane	*94.4*			*76.0-123*		*04/08/2018 11:14*	WG1093670
(S) Dibromofluoromethane	*91.0*			*76.0-123*		*04/04/2018 19:25*	WG1093670
(S) Dibromofluoromethane	*95.7*			*76.0-123*		*04/07/2018 18:22*	WG1093670
(S) 4-Bromofluorobenzene	*97.3*			*80.0-120*		*04/07/2018 18:22*	WG1093670
(S) 4-Bromofluorobenzene	*78.1*	J2		*80.0-120*		*04/04/2018 19:25*	WG1093670
(S) 4-Bromofluorobenzene	*98.8*			*80.0-120*		*04/08/2018 11:14*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.82	J	1.05	25.0	1	04/04/2018 19:44	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 19:44	WG1093670
Benzene	0.158	J	0.0896	0.500	1	04/04/2018 19:44	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 19:44	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 19:44	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 19:44	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 19:44	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 19:44	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 19:44	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 19:44	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 19:44	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 19:44	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 19:44	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 19:44	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 19:44	WG1093670
Chloroethane	15.0		0.141	2.50	1	04/04/2018 19:44	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 19:44	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 19:44	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 19:44	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 19:44	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 19:44	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 19:44	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 19:44	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 19:44	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 19:44	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 19:44	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 19:44	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 19:44	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 19:44	WG1093670
1,1-Dichloroethene	9.84		0.188	0.500	1	04/04/2018 19:44	WG1093670
cis-1,2-Dichloroethene	3170		4.66	25.0	50	04/07/2018 18:41	WG1093670
trans-1,2-Dichloroethene	10.7		0.152	0.500	1	04/04/2018 19:44	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 19:44	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 19:44	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 19:44	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 19:44	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 19:44	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 19:44	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 19:44	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 19:44	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 19:44	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 19:44	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 19:44	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 19:44	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 19:44	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 19:44	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 19:44	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 19:44	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 19:44	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 19:44	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 19:44	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 19:44	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 19:44	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 19:44	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 19:44	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 19:44	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 19:44	WG1093670
Tetrachloroethene	360		9.95	25.0	50	04/07/2018 18:41	WG1093670
Toluene	0.446	J	0.412	0.500	1	04/04/2018 19:44	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 19:44	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 19:44	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 19:44	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 19:44	WG1093670
Trichloroethene	459		7.65	25.0	50	04/07/2018 18:41	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 19:44	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 19:44	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 19:44	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 19:44	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 19:44	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 19:44	WG1093670
Vinyl chloride	395		5.90	25.0	50	04/07/2018 18:41	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 19:44	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 19:44*	WG1093670
(S) Toluene-d8	*96.4*			*80.0-120*		*04/07/2018 18:41*	WG1093670
(S) Dibromofluoromethane	*96.9*			*76.0-123*		*04/07/2018 18:41*	WG1093670
(S) Dibromofluoromethane	*93.6*			*76.0-123*		*04/04/2018 19:44*	WG1093670
(S) 4-Bromofluorobenzene	*79.0*	J2		*80.0-120*		*04/04/2018 19:44*	WG1093670
(S) 4-Bromofluorobenzene	*96.6*			*80.0-120*		*04/07/2018 18:41*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.31	J	1.05	25.0	1	04/04/2018 20:03	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:03	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 20:03	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:03	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:03	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:03	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 20:03	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 20:03	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:03	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:03	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:03	WG1093670
Carbon disulfide	2.19		0.101	0.500	1	04/04/2018 20:03	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:03	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:03	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:03	WG1093670
Chloroethane	0.372	J	0.141	2.50	1	04/04/2018 20:03	WG1093670
Chloroform	0.511		0.0860	0.500	1	04/04/2018 20:03	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 20:03	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:03	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:03	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:03	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:03	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:03	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:03	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:03	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:03	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 20:03	WG1093670
cis-1,2-Dichloroethene	12.7		0.0933	0.500	1	04/07/2018 19:01	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:03	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:03	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:03	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:03	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:03	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:03	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:03	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:03	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:03	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:03	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:03	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 20:03	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 20:03	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:03	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:03	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:03	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:03	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:03	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:03	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 20:03	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:03	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 20:03	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:03	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:03	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 20:03	WG1093670
Tetrachloroethene	5.07		0.199	0.500	1	04/07/2018 19:01	WG1093670
Toluene	0.524		0.412	0.500	1	04/04/2018 20:03	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 20:03	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 20:03	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 20:03	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 20:03	WG1093670
Trichloroethene	56.5		0.153	0.500	1	04/07/2018 19:01	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 20:03	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 20:03	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 20:03	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 20:03	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 20:03	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 20:03	WG1093670
Vinyl chloride	1.69		0.118	0.500	1	04/07/2018 19:01	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 20:03	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 20:03*	WG1093670
(S) Toluene-d8	*95.2*			*80.0-120*		*04/07/2018 19:01*	WG1093670
(S) Dibromofluoromethane	*92.4*			*76.0-123*		*04/04/2018 20:03*	WG1093670
(S) Dibromofluoromethane	*93.9*			*76.0-123*		*04/07/2018 19:01*	WG1093670
(S) 4-Bromofluorobenzene	*78.3*	J2		*80.0-120*		*04/04/2018 20:03*	WG1093670
(S) 4-Bromofluorobenzene	*99.7*			*80.0-120*		*04/07/2018 19:01*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.02	J	1.05	25.0	1	04/04/2018 20:21	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:21	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 20:21	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:21	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:21	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:21	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 20:21	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 20:21	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:21	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:21	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:21	WG1093670
Carbon disulfide	3.06		0.101	0.500	1	04/04/2018 20:21	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:21	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:21	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:21	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 20:21	WG1093670
Chloroform	0.242	J	0.0860	0.500	1	04/04/2018 20:21	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 20:21	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:21	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:21	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:21	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:21	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:21	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:21	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:21	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:21	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 20:21	WG1093670
cis-1,2-Dichloroethene	5.29		0.0933	0.500	1	04/07/2018 19:20	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:21	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:21	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:21	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:21	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:21	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:21	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:21	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:21	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:21	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:21	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:21	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 20:21	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 20:21	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:21	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:21	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:21	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:21	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:21	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:21	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 20:21	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:21	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 20:21	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:21	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:21	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 20:21	WG1093670
Tetrachloroethene	2.86		0.199	0.500	1	04/07/2018 19:20	WG1093670
Toluene	0.604		0.412	0.500	1	04/04/2018 20:21	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 20:21	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 20:21	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 20:21	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 20:21	WG1093670
Trichloroethene	0.653		0.153	0.500	1	04/07/2018 19:20	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 20:21	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 20:21	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 20:21	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 20:21	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 20:21	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 20:21	WG1093670
Vinyl chloride	2.56		0.118	0.500	1	04/07/2018 19:20	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 20:21	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 20:21*	WG1093670
(S) Toluene-d8	*96.9*			*80.0-120*		*04/07/2018 19:20*	WG1093670
(S) Dibromofluoromethane	*92.2*			*76.0-123*		*04/07/2018 19:20*	WG1093670
(S) Dibromofluoromethane	*93.0*			*76.0-123*		*04/04/2018 20:21*	WG1093670
(S) 4-Bromofluorobenzene	*79.4*	J2		*80.0-120*		*04/04/2018 20:21*	WG1093670
(S) 4-Bromofluorobenzene	*99.5*			*80.0-120*		*04/07/2018 19:20*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/04/2018 20:40	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:40	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 20:40	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:40	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:40	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:40	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 20:40	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 20:40	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:40	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:40	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:40	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 20:40	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:40	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:40	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:40	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 20:40	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 20:40	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 20:40	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:40	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:40	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:40	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:40	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:40	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:40	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:40	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:40	WG1093670
1,1-Dichloroethene	0.201	J	0.188	0.500	1	04/04/2018 20:40	WG1093670
cis-1,2-Dichloroethene	103		0.0933	0.500	1	04/04/2018 20:40	WG1093670
trans-1,2-Dichloroethene	0.305	J	0.152	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:40	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:40	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:40	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:40	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:40	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:40	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:40	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:40	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:40	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:40	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:40	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 20:40	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 20:40	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:40	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:40	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:40	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:40	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:40	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:40	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 20:40	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:40	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 20:40	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:40	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:40	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 20:40	WG1093670
Tetrachloroethene	1.12		0.199	0.500	1	04/04/2018 20:40	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 20:40	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 20:40	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 20:40	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 20:40	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 20:40	WG1093670
Trichloroethene	0.192	J	0.153	0.500	1	04/04/2018 20:40	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 20:40	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 20:40	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 20:40	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 20:40	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 20:40	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 20:40	WG1093670
Vinyl chloride	168		0.118	0.500	1	04/04/2018 20:40	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 20:40	WG1093670
(S) Toluene-d8	*106*			*80.0-120*		*04/04/2018 20:40*	WG1093670
(S) Dibromofluoromethane	*87.8*			*76.0-123*		*04/04/2018 20:40*	WG1093670
(S) 4-Bromofluorobenzene	*79.0*	J2		*80.0-120*		*04/04/2018 20:40*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.13	J	1.05	25.0	1	04/04/2018 20:59	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:59	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 20:59	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:59	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:59	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:59	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 20:59	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 20:59	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:59	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:59	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:59	WG1093670
Carbon disulfide	0.447	J	0.101	0.500	1	04/04/2018 20:59	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:59	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:59	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:59	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 20:59	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 20:59	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 20:59	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:59	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:59	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:59	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:59	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:59	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:59	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:59	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:59	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:59	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:59	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:59	WG1093670
1,1-Dichloroethene	4.56		0.188	0.500	1	04/04/2018 20:59	WG1093670
cis-1,2-Dichloroethene	3240		4.66	25.0	50	04/07/2018 19:40	WG1093670
trans-1,2-Dichloroethene	33.0		0.152	0.500	1	04/04/2018 20:59	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:59	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:59	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:59	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:59	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:59	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:59	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:59	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:59	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:59	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:59	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:59	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 20:59	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 20:59	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:59	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:59	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:59	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:59	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:59	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:59	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 20:59	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:59	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 20:59	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:59	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:59	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 20:59	WG1093670
Tetrachloroethene	1.82		0.199	0.500	1	04/04/2018 20:59	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 20:59	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 20:59	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 20:59	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 20:59	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 20:59	WG1093670
Trichloroethene	0.497	J	0.153	0.500	1	04/04/2018 20:59	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 20:59	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 20:59	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 20:59	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 20:59	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 20:59	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 20:59	WG1093670
Vinyl chloride	2420		5.90	25.0	50	04/07/2018 19:40	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 20:59	WG1093670
(S) Toluene-d8	*103*			*80.0-120*		*04/04/2018 20:59*	WG1093670
(S) Toluene-d8	*94.7*			*80.0-120*		*04/07/2018 19:40*	WG1093670
(S) Dibromofluoromethane	*96.0*			*76.0-123*		*04/07/2018 19:40*	WG1093670
(S) Dibromofluoromethane	*93.1*			*76.0-123*		*04/04/2018 20:59*	WG1093670
(S) 4-Bromofluorobenzene	*96.6*			*80.0-120*		*04/07/2018 19:40*	WG1093670
(S) 4-Bromofluorobenzene	*78.5*	J2		*80.0-120*		*04/04/2018 20:59*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.70	J	1.05	25.0	1	04/04/2018 21:17	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 21:17	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 21:17	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 21:17	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 21:17	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 21:17	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 21:17	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 21:17	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 21:17	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 21:17	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 21:17	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 21:17	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 21:17	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 21:17	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 21:17	WG1093670
Chloroethane	4.90		0.141	2.50	1	04/04/2018 21:17	WG1093670
Chloroform	0.173	J	0.0860	0.500	1	04/04/2018 21:17	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 21:17	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 21:17	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 21:17	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 21:17	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 21:17	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 21:17	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 21:17	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 21:17	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 21:17	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 21:17	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 21:17	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 21:17	WG1093670
1,1-Dichloroethene	1.85		0.188	0.500	1	04/04/2018 21:17	WG1093670
cis-1,2-Dichloroethene	510		4.66	25.0	50	04/07/2018 19:59	WG1093670
trans-1,2-Dichloroethene	2.36		0.152	0.500	1	04/04/2018 21:17	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 21:17	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 21:17	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 21:17	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 21:17	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 21:17	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 21:17	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 21:17	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 21:17	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 21:17	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 21:17	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 21:17	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 21:17	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 21:17	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 21:17	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 21:17	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 21:17	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 21:17	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 21:17	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 21:17	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 21:17	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 21:17	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 21:17	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 21:17	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 21:17	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 21:17	WG1093670
Tetrachloroethene	3530		9.95	25.0	50	04/07/2018 19:59	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 21:17	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 21:17	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 21:17	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 21:17	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 21:17	WG1093670
Trichloroethene	299		7.65	25.0	50	04/07/2018 19:59	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 21:17	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 21:17	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 21:17	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 21:17	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 21:17	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 21:17	WG1093670
Vinyl chloride	102		0.118	0.500	1	04/04/2018 21:17	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 21:17	WG1093670
(S) Toluene-d8	*94.0*			*80.0-120*		*04/07/2018 19:59*	WG1093670
(S) Toluene-d8	*101*			*80.0-120*		*04/04/2018 21:17*	WG1093670
(S) Dibromofluoromethane	*92.5*			*76.0-123*		*04/04/2018 21:17*	WG1093670
(S) Dibromofluoromethane	*93.4*			*76.0-123*		*04/07/2018 19:59*	WG1093670
(S) 4-Bromofluorobenzene	*97.3*			*80.0-120*		*04/07/2018 19:59*	WG1093670
(S) 4-Bromofluorobenzene	*80.9*			*80.0-120*		*04/04/2018 21:17*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.33	J	1.05	25.0	1	04/04/2018 21:36	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 21:36	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 21:36	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 21:36	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 21:36	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 21:36	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 21:36	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 21:36	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 21:36	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 21:36	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 21:36	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 21:36	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 21:36	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 21:36	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 21:36	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 21:36	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 21:36	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 21:36	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 21:36	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 21:36	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 21:36	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 21:36	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 21:36	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 21:36	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 21:36	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 21:36	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 21:36	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 21:36	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 21:36	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 21:36	WG1093670
cis-1,2-Dichloroethene	6.43		0.0933	0.500	1	04/07/2018 20:19	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 21:36	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 21:36	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 21:36	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 21:36	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 21:36	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 21:36	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 21:36	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 21:36	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 21:36	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 21:36	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 21:36	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 21:36	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 21:36	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 21:36	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 21:36	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 21:36	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 21:36	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 21:36	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 21:36	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 21:36	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 21:36	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 21:36	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 21:36	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 21:36	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 21:36	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 21:36	WG1093670
Tetrachloroethene	25.2		0.199	0.500	1	04/07/2018 20:19	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 21:36	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 21:36	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 21:36	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 21:36	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 21:36	WG1093670
Trichloroethene	21.8		0.153	0.500	1	04/07/2018 20:19	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 21:36	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 21:36	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 21:36	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 21:36	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 21:36	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 21:36	WG1093670
Vinyl chloride	0.403	J	0.118	0.500	1	04/07/2018 20:19	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 21:36	WG1093670
(S) Toluene-d8	*95.8*			*80.0-120*		*04/07/2018 20:19*	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 21:36*	WG1093670
(S) Dibromofluoromethane	*93.7*			*76.0-123*		*04/04/2018 21:36*	WG1093670
(S) Dibromofluoromethane	*95.8*			*76.0-123*		*04/07/2018 20:19*	WG1093670
(S) 4-Bromofluorobenzene	*81.8*			*80.0-120*		*04/04/2018 21:36*	WG1093670
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/07/2018 20:19*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.19	J	1.05	25.0	1	04/04/2018 21:55	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 21:55	WG1093670
Benzene	0.306	J	0.0896	0.500	1	04/04/2018 21:55	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 21:55	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 21:55	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 21:55	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 21:55	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 21:55	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 21:55	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 21:55	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 21:55	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 21:55	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 21:55	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 21:55	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 21:55	WG1093670
Chloroethane	3.63		0.141	2.50	1	04/04/2018 21:55	WG1093670
Chloroform	0.292	J	0.0860	0.500	1	04/04/2018 21:55	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 21:55	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 21:55	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 21:55	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 21:55	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 21:55	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 21:55	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 21:55	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 21:55	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 21:55	WG1093670
1,1-Dichloroethene	12.9		0.188	0.500	1	04/04/2018 21:55	WG1093670
cis-1,2-Dichloroethene	3680		9.33	50.0	100	04/07/2018 20:38	WG1093670
trans-1,2-Dichloroethene	13.6		0.152	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 21:55	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 21:55	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 21:55	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 21:55	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 21:55	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 21:55	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 21:55	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 21:55	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 21:55	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 21:55	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 21:55	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 21:55	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 21:55	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 21:55	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 21:55	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 21:55	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 21:55	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 21:55	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 21:55	WG1093670
Naphthalene	0.258	J	0.174	2.50	1	04/04/2018 21:55	WG1093670
n-Propylbenzene	0.186	J	0.162	0.500	1	04/04/2018 21:55	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 21:55	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 21:55	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 21:55	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 21:55	WG1093670
Tetrachloroethene	16500		19.9	50.0	100	04/07/2018 20:38	WG1093670
Toluene	2.07		0.412	0.500	1	04/04/2018 21:55	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 21:55	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 21:55	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 21:55	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 21:55	WG1093670
Trichloroethene	3300		15.3	50.0	100	04/07/2018 20:38	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 21:55	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 21:55	WG1093670
1,2,4-Trimethylbenzene	0.984		0.123	0.500	1	04/04/2018 21:55	WG1093670
1,2,3-Trimethylbenzene	0.372	J	0.0739	0.500	1	04/04/2018 21:55	WG1093670
1,3,5-Trimethylbenzene	0.293	J	0.124	0.500	1	04/04/2018 21:55	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 21:55	WG1093670
Vinyl chloride	478		11.8	50.0	100	04/07/2018 20:38	WG1093670
Xylenes, Total	0.507	J	0.316	1.50	1	04/04/2018 21:55	WG1093670
(S) Toluene-d8	*101*			*80.0-120*		*04/04/2018 21:55*	WG1093670
(S) Toluene-d8	*92.4*			*80.0-120*		*04/07/2018 20:38*	WG1093670
(S) Dibromofluoromethane	*94.9*			*76.0-123*		*04/07/2018 20:38*	WG1093670
(S) Dibromofluoromethane	*90.2*			*76.0-123*		*04/04/2018 21:55*	WG1093670
(S) 4-Bromofluorobenzene	*77.6*	J2		*80.0-120*		*04/04/2018 21:55*	WG1093670
(S) 4-Bromofluorobenzene	*98.9*			*80.0-120*		*04/07/2018 20:38*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	8.11	J	1.05	25.0	1	04/04/2018 22:14	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 22:14	WG1093670
Benzene	0.838		0.0896	0.500	1	04/04/2018 22:14	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 22:14	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 22:14	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 22:14	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 22:14	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 22:14	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 22:14	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 22:14	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 22:14	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 22:14	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 22:14	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 22:14	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 22:14	WG1093670
Chloroethane	5.32		0.141	2.50	1	04/04/2018 22:14	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 22:14	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 22:14	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 22:14	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 22:14	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 22:14	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 22:14	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 22:14	WG1093670
1,2-Dichlorobenzene	0.134	J	0.101	0.500	1	04/04/2018 22:14	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 22:14	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 22:14	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 22:14	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 22:14	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 22:14	WG1093670
1,1-Dichloroethene	184		0.188	0.500	1	04/04/2018 22:14	WG1093670
cis-1,2-Dichloroethene	51400		46.6	250	500	04/07/2018 20:58	WG1093670
trans-1,2-Dichloroethene	228	J	76.0	250	500	04/07/2018 20:58	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 22:14	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 22:14	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 22:14	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 22:14	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 22:14	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 22:14	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 22:14	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 22:14	WG1093670
Ethylbenzene	0.451	J	0.158	0.500	1	04/04/2018 22:14	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 22:14	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 22:14	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 22:14	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 22:14	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 22:14	WG1093670
p-Isopropyltoluene	0.141	J	0.138	0.500	1	04/04/2018 22:14	WG1093670
2-Butanone (MEK)	2.93	J	1.28	5.00	1	04/04/2018 22:14	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 22:14	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 22:14	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 22:14	WG1093670
Naphthalene	0.480	J	0.174	2.50	1	04/04/2018 22:14	WG1093670
n-Propylbenzene	0.307	J	0.162	0.500	1	04/04/2018 22:14	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 22:14	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 22:14	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 22:14	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 22:14	WG1093670
Tetrachloroethene	60100		99.5	250	500	04/07/2018 20:58	WG1093670
Toluene	3.71		0.412	0.500	1	04/04/2018 22:14	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 22:14	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 22:14	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 22:14	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 22:14	WG1093670
Trichloroethene	11500		76.5	250	500	04/07/2018 20:58	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 22:14	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 22:14	WG1093670
1,2,4-Trimethylbenzene	2.04		0.123	0.500	1	04/04/2018 22:14	WG1093670
1,2,3-Trimethylbenzene	1.05		0.0739	0.500	1	04/04/2018 22:14	WG1093670
1,3,5-Trimethylbenzene	0.613		0.124	0.500	1	04/04/2018 22:14	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 22:14	WG1093670
Vinyl chloride	3230		59.0	250	500	04/07/2018 20:58	WG1093670
Xylenes, Total	2.54		0.316	1.50	1	04/04/2018 22:14	WG1093670
(S) Toluene-d8	*93.7*			*80.0-120*		*04/07/2018 20:58*	WG1093670
(S) Toluene-d8	*108*			*80.0-120*		*04/04/2018 22:14*	WG1093670
(S) Dibromofluoromethane	*88.8*			*76.0-123*		*04/04/2018 22:14*	WG1093670
(S) Dibromofluoromethane	*94.0*			*76.0-123*		*04/07/2018 20:58*	WG1093670
(S) 4-Bromofluorobenzene	*80.6*			*80.0-120*		*04/04/2018 22:14*	WG1093670
(S) 4-Bromofluorobenzene	*98.4*			*80.0-120*		*04/07/2018 20:58*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	5.27	J	1.05	25.0	1	04/04/2018 22:33	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 22:33	WG1093670
Benzene	0.754		0.0896	0.500	1	04/04/2018 22:33	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 22:33	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 22:33	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 22:33	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 22:33	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 22:33	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 22:33	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 22:33	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 22:33	WG1093670
Carbon disulfide	0.806		0.101	0.500	1	04/04/2018 22:33	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 22:33	WG1093670
Chlorobenzene	0.278	J	0.140	0.500	1	04/04/2018 22:33	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 22:33	WG1093670
Chloroethane	3.05		0.141	2.50	1	04/04/2018 22:33	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 22:33	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 22:33	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 22:33	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 22:33	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 22:33	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 22:33	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 22:33	WG1093670
1,2-Dichlorobenzene	0.172	J	0.101	0.500	1	04/04/2018 22:33	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 22:33	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 22:33	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 22:33	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 22:33	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 22:33	WG1093670
1,1-Dichloroethene	149	J	94.0	250	500	04/07/2018 21:17	WG1093670
cis-1,2-Dichloroethene	48200		46.6	250	500	04/07/2018 21:17	WG1093670
trans-1,2-Dichloroethene	274		76.0	250	500	04/07/2018 21:17	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 22:33	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 22:33	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 22:33	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 22:33	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 22:33	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 22:33	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 22:33	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 22:33	WG1093670
Ethylbenzene	0.777		0.158	0.500	1	04/04/2018 22:33	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 22:33	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 22:33	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 22:33	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 22:33	WG1093670
Isopropylbenzene	0.158	J	0.126	0.500	1	04/04/2018 22:33	WG1093670
p-Isopropyltoluene	0.266	J	0.138	0.500	1	04/04/2018 22:33	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 22:33	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 22:33	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 22:33	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 22:33	WG1093670
Naphthalene	0.975	J	0.174	2.50	1	04/04/2018 22:33	WG1093670
n-Propylbenzene	0.429	J	0.162	0.500	1	04/04/2018 22:33	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 22:33	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 22:33	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 22:33	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 22:33	WG1093670
Tetrachloroethene	48800		99.5	250	500	04/07/2018 21:17	WG1093670
Toluene	6.26		0.412	0.500	1	04/04/2018 22:33	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 22:33	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 22:33	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 22:33	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 22:33	WG1093670
Trichloroethene	20100		76.5	250	500	04/07/2018 21:17	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 22:33	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 22:33	WG1093670
1,2,4-Trimethylbenzene	3.07		0.123	0.500	1	04/04/2018 22:33	WG1093670
1,2,3-Trimethylbenzene	1.61		0.0739	0.500	1	04/04/2018 22:33	WG1093670
1,3,5-Trimethylbenzene	0.906		0.124	0.500	1	04/04/2018 22:33	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 22:33	WG1093670
Vinyl chloride	2040		59.0	250	500	04/07/2018 21:17	WG1093670
Xylenes, Total	4.55		0.316	1.50	1	04/04/2018 22:33	WG1093670
(S) Toluene-d8	*127*	J1		*80.0-120*		*04/04/2018 22:33*	WG1093670
(S) Toluene-d8	*93.0*			*80.0-120*		*04/07/2018 21:17*	WG1093670
(S) Dibromofluoromethane	*87.3*			*76.0-123*		*04/04/2018 22:33*	WG1093670
(S) Dibromofluoromethane	*95.1*			*76.0-123*		*04/07/2018 21:17*	WG1093670
(S) 4-Bromofluorobenzene	*80.7*			*80.0-120*		*04/04/2018 22:33*	WG1093670
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/07/2018 21:17*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	17.7	J	10.5	250	10	04/04/2018 22:52	WG1093670
Acrylonitrile	U		8.73	50.0	10	04/04/2018 22:52	WG1093670
Benzene	U		0.896	5.00	10	04/04/2018 22:52	WG1093670
Bromobenzene	U		1.33	5.00	10	04/04/2018 22:52	WG1093670
Bromodichloromethane	U		0.800	5.00	10	04/04/2018 22:52	WG1093670
Bromochloromethane	U		1.45	5.00	10	04/04/2018 22:52	WG1093670
Bromoform	U		1.86	5.00	10	04/04/2018 22:52	WG1093670
Bromomethane	U		1.57	25.0	10	04/04/2018 22:52	WG1093670
n-Butylbenzene	U		1.43	5.00	10	04/04/2018 22:52	WG1093670
sec-Butylbenzene	U		1.34	5.00	10	04/04/2018 22:52	WG1093670
tert-Butylbenzene	U		1.83	5.00	10	04/04/2018 22:52	WG1093670
Carbon disulfide	U		1.01	5.00	10	04/04/2018 22:52	WG1093670
Carbon tetrachloride	U		1.59	5.00	10	04/04/2018 22:52	WG1093670
Chlorobenzene	U		1.40	5.00	10	04/04/2018 22:52	WG1093670
Chlorodibromomethane	U		1.28	5.00	10	04/04/2018 22:52	WG1093670
Chloroethane	U		1.41	25.0	10	04/04/2018 22:52	WG1093670
Chloroform	U		0.860	5.00	10	04/04/2018 22:52	WG1093670
Chloromethane	U		1.53	12.5	10	04/04/2018 22:52	WG1093670
2-Chlorotoluene	U		1.11	5.00	10	04/04/2018 22:52	WG1093670
4-Chlorotoluene	U		0.972	5.00	10	04/04/2018 22:52	WG1093670
1,2-Dibromo-3-Chloropropane	U		3.25	25.0	10	04/04/2018 22:52	WG1093670
1,2-Dibromoethane	U		1.93	5.00	10	04/04/2018 22:52	WG1093670
Dibromomethane	U		1.17	5.00	10	04/04/2018 22:52	WG1093670
1,2-Dichlorobenzene	U		1.01	5.00	10	04/04/2018 22:52	WG1093670
1,3-Dichlorobenzene	U		1.30	5.00	10	04/04/2018 22:52	WG1093670
1,4-Dichlorobenzene	U		1.21	5.00	10	04/04/2018 22:52	WG1093670
Dichlorodifluoromethane	U		1.27	25.0	10	04/04/2018 22:52	WG1093670
1,1-Dichloroethane	U		1.14	5.00	10	04/04/2018 22:52	WG1093670
1,2-Dichloroethane	U		1.08	5.00	10	04/04/2018 22:52	WG1093670
1,1-Dichloroethene	103		1.88	5.00	10	04/04/2018 22:52	WG1093670
cis-1,2-Dichloroethene	26800		46.6	250	500	04/07/2018 21:37	WG1093670
trans-1,2-Dichloroethene	51.3		1.52	5.00	10	04/04/2018 22:52	WG1093670
1,2-Dichloropropane	U		1.90	5.00	10	04/04/2018 22:52	WG1093670
1,1-Dichloropropene	U		1.28	5.00	10	04/04/2018 22:52	WG1093670
1,3-Dichloropropane	U		1.47	10.0	10	04/04/2018 22:52	WG1093670
cis-1,3-Dichloropropene	U		0.976	5.00	10	04/04/2018 22:52	WG1093670
trans-1,3-Dichloropropene	U		2.22	5.00	10	04/04/2018 22:52	WG1093670
trans-1,4-Dichloro-2-butene	U		2.57	50.0	10	04/04/2018 22:52	WG1093670
2,2-Dichloropropane	U		0.929	5.00	10	04/04/2018 22:52	WG1093670
Di-isopropyl ether	U		0.924	5.00	10	04/04/2018 22:52	WG1093670
Ethylbenzene	U		1.58	5.00	10	04/04/2018 22:52	WG1093670
Hexachloro-1,3-butadiene	U		1.57	10.0	10	04/04/2018 22:52	WG1093670
2-Hexanone	U		7.57	50.0	10	04/04/2018 22:52	WG1093670
n-Hexane	U	J0	3.05	50.0	10	04/04/2018 22:52	WG1093670
Iodomethane	U		3.77	100	10	04/04/2018 22:52	WG1093670
Isopropylbenzene	U		1.26	5.00	10	04/04/2018 22:52	WG1093670
p-Isopropyltoluene	U		1.38	5.00	10	04/04/2018 22:52	WG1093670
2-Butanone (MEK)	U		12.8	50.0	10	04/04/2018 22:52	WG1093670
Methylene Chloride	U		10.7	25.0	10	04/04/2018 22:52	WG1093670
4-Methyl-2-pentanone (MIBK)	U		8.23	50.0	10	04/04/2018 22:52	WG1093670
Methyl tert-butyl ether	U		1.02	5.00	10	04/04/2018 22:52	WG1093670
Naphthalene	U		1.74	25.0	10	04/04/2018 22:52	WG1093670
n-Propylbenzene	U		1.62	5.00	10	04/04/2018 22:52	WG1093670
Styrene	U		1.17	5.00	10	04/04/2018 22:52	WG1093670
1,1,1,2-Tetrachloroethane	U		1.20	5.00	10	04/04/2018 22:52	WG1093670
1,1,2,2-Tetrachloroethane	U		1.30	5.00	10	04/04/2018 22:52	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		1.64	5.00	10	04/04/2018 22:52	WG1093670
Tetrachloroethene	670		1.99	5.00	10	04/04/2018 22:52	WG1093670
Toluene	U		4.12	5.00	10	04/04/2018 22:52	WG1093670
1,2,3-Trichlorobenzene	U	J0	1.64	5.00	10	04/04/2018 22:52	WG1093670
1,2,4-Trichlorobenzene	U		3.55	5.00	10	04/04/2018 22:52	WG1093670
1,1,1-Trichloroethane	U		0.940	5.00	10	04/04/2018 22:52	WG1093670
1,1,2-Trichloroethane	U		1.86	5.00	10	04/04/2018 22:52	WG1093670
Trichloroethene	166		1.53	5.00	10	04/04/2018 22:52	WG1093670
Trichlorofluoromethane	U		1.30	25.0	10	04/04/2018 22:52	WG1093670
1,2,3-Trichloropropane	U		2.47	25.0	10	04/04/2018 22:52	WG1093670
1,2,4-Trimethylbenzene	U		1.23	5.00	10	04/04/2018 22:52	WG1093670
1,2,3-Trimethylbenzene	U		0.739	5.00	10	04/04/2018 22:52	WG1093670
1,3,5-Trimethylbenzene	U		1.24	5.00	10	04/04/2018 22:52	WG1093670
Vinyl acetate	U	J0	6.45	50.0	10	04/04/2018 22:52	WG1093670
Vinyl chloride	7350		59.0	250	500	04/07/2018 21:37	WG1093670
Xylenes, Total	U		3.16	15.0	10	04/04/2018 22:52	WG1093670
(S) Toluene-d8	*95.3*			*80.0-120*		*04/07/2018 21:37*	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 22:52*	WG1093670
(S) Dibromofluoromethane	*96.8*			*76.0-123*		*04/07/2018 21:37*	WG1093670
(S) Dibromofluoromethane	*92.7*			*76.0-123*		*04/04/2018 22:52*	WG1093670
(S) 4-Bromofluorobenzene	*99.3*			*80.0-120*		*04/07/2018 21:37*	WG1093670
(S) 4-Bromofluorobenzene	*80.8*			*80.0-120*		*04/04/2018 22:52*	WG1093670

Sample Narrative:

L982159-17 WG1093670: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	5.01	J	1.05	25.0	1	04/04/2018 23:10	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 23:10	WG1093670
Benzene	0.208	J	0.0896	0.500	1	04/04/2018 23:10	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 23:10	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 23:10	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 23:10	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 23:10	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 23:10	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 23:10	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 23:10	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 23:10	WG1093670
Carbon disulfide	0.734		0.101	0.500	1	04/04/2018 23:10	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 23:10	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 23:10	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 23:10	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 23:10	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 23:10	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 23:10	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 23:10	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 23:10	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 23:10	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 23:10	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 23:10	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 23:10	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 23:10	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 23:10	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 23:10	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 23:10	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 23:10	WG1093670
1,1-Dichloroethene	64.8		0.188	0.500	1	04/04/2018 23:10	WG1093670
cis-1,2-Dichloroethene	6830		9.33	50.0	100	04/07/2018 21:56	WG1093670
trans-1,2-Dichloroethene	9.44		0.152	0.500	1	04/04/2018 23:10	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 23:10	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 23:10	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 23:10	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 23:10	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 23:10	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 23:10	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 23:10	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 23:10	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 23:10	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 23:10	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 23:10	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 23:10	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 23:10	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 23:10	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 23:10	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 23:10	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 23:10	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 23:10	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 23:10	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 23:10	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 23:10	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 23:10	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 23:10	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 23:10	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 23:10	WG1093670
Tetrachloroethene	721		19.9	50.0	100	04/07/2018 21:56	WG1093670
Toluene	1.54		0.412	0.500	1	04/04/2018 23:10	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 23:10	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 23:10	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 23:10	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 23:10	WG1093670
Trichloroethene	1020		15.3	50.0	100	04/07/2018 21:56	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 23:10	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 23:10	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 23:10	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 23:10	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 23:10	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 23:10	WG1093670
Vinyl chloride	111		0.118	0.500	1	04/04/2018 23:10	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 23:10	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 23:10*	WG1093670
(S) Toluene-d8	*94.6*			*80.0-120*		*04/07/2018 21:56*	WG1093670
(S) Dibromofluoromethane	*93.7*			*76.0-123*		*04/04/2018 23:10*	WG1093670
(S) Dibromofluoromethane	*94.6*			*76.0-123*		*04/07/2018 21:56*	WG1093670
(S) 4-Bromofluorobenzene	*99.3*			*80.0-120*		*04/07/2018 21:56*	WG1093670
(S) 4-Bromofluorobenzene	*80.1*			*80.0-120*		*04/04/2018 23:10*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.11	J	1.05	25.0	1	04/04/2018 23:29	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 23:29	WG1093670
Benzene	0.198	J	0.0896	0.500	1	04/04/2018 23:29	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 23:29	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 23:29	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 23:29	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 23:29	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 23:29	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 23:29	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 23:29	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 23:29	WG1093670
Carbon disulfide	0.803		0.101	0.500	1	04/04/2018 23:29	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 23:29	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 23:29	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 23:29	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 23:29	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 23:29	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 23:29	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 23:29	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 23:29	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 23:29	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 23:29	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 23:29	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 23:29	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 23:29	WG1093670
1,1-Dichloroethane	0.143	J	0.114	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 23:29	WG1093670
1,1-Dichloroethene	69.0		0.188	0.500	1	04/04/2018 23:29	WG1093670
cis-1,2-Dichloroethene	6690		9.33	50.0	100	04/07/2018 22:16	WG1093670
trans-1,2-Dichloroethene	10.2		0.152	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 23:29	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 23:29	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 23:29	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 23:29	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 23:29	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 23:29	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 23:29	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 23:29	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 23:29	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 23:29	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 23:29	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 23:29	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 23:29	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 23:29	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 23:29	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 23:29	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 23:29	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 23:29	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 23:29	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 23:29	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 23:29	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 23:29	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 23:29	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 23:29	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 23:29	WG1093670
Tetrachloroethene	678		19.9	50.0	100	04/07/2018 22:16	WG1093670
Toluene	1.53		0.412	0.500	1	04/04/2018 23:29	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 23:29	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 23:29	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 23:29	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 23:29	WG1093670
Trichloroethene	1020		15.3	50.0	100	04/07/2018 22:16	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 23:29	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 23:29	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 23:29	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 23:29	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 23:29	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 23:29	WG1093670
Vinyl chloride	111		0.118	0.500	1	04/04/2018 23:29	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 23:29	WG1093670
(S) Toluene-d8	*92.4*			*80.0-120*		*04/07/2018 22:16*	WG1093670
(S) Toluene-d8	*103*			*80.0-120*		*04/04/2018 23:29*	WG1093670
(S) Dibromofluoromethane	*93.5*			*76.0-123*		*04/04/2018 23:29*	WG1093670
(S) Dibromofluoromethane	*93.8*			*76.0-123*		*04/07/2018 22:16*	WG1093670
(S) 4-Bromofluorobenzene	*78.0*	J2		*80.0-120*		*04/04/2018 23:29*	WG1093670
(S) 4-Bromofluorobenzene	*99.5*			*80.0-120*		*04/07/2018 22:16*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	10.0	J	1.05	25.0	1	04/04/2018 17:32	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 17:32	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 17:32	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 17:32	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 17:32	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 17:32	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 17:32	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 17:32	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 17:32	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 17:32	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 17:32	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 17:32	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 17:32	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 17:32	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 17:32	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 17:32	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 17:32	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 17:32	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 17:32	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 17:32	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 17:32	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 17:32	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 17:32	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 17:32	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 17:32	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 17:32	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 17:32	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 17:32	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 17:32	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 17:32	WG1093670
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/04/2018 17:32	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 17:32	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 17:32	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 17:32	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 17:32	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 17:32	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 17:32	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 17:32	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 17:32	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 17:32	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 17:32	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 17:32	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 17:32	WG1093670
n-Hexane	U	J0	0.305	5.00	1	04/04/2018 17:32	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 17:32	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 17:32	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 17:32	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 17:32	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 17:32	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 17:32	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 17:32	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 17:32	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 17:32	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 17:32	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 17:32	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 17:32	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 17:32	WG1093670
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 17:32	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 17:32	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 17:32	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 17:32	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 17:32	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 17:32	WG1093670
Trichloroethene	U		0.153	0.500	1	04/04/2018 17:32	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 17:32	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 17:32	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 17:32	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 17:32	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 17:32	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 17:32	WG1093670
Vinyl chloride	U		0.118	0.500	1	04/04/2018 17:32	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 17:32	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 17:32*	WG1093670
(S) Dibromofluoromethane	*93.2*			*76.0-123*		*04/04/2018 17:32*	WG1093670
(S) 4-Bromofluorobenzene	*80.9*			*80.0-120*		*04/04/2018 17:32*	WG1093670

Method Blank (MB)

(MB) R3299845-2 04/04/18 16:12

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

Method Blank (MB)

(MB) R3299845-2 04/04/18 16:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	0.181	J	0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	0.293	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*92.7*			*76.0-123*
(S) 4-Bromofluorobenzene	*80.6*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3299845-1 04/04/18 15:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	137	110	10.0-160	
Acrylonitrile	125	114	90.8	60.0-142	
Benzene	25.0	21.3	85.3	69.0-123	
Bromobenzene	25.0	21.2	84.7	79.0-120	
Bromodichloromethane	25.0	24.0	95.9	76.0-120	
Bromochloromethane	25.0	22.3	89.1	76.0-122	
Bromoform	25.0	22.2	89.0	67.0-132	
Bromomethane	25.0	23.3	93.3	18.0-160	
n-Butylbenzene	25.0	20.8	83.2	72.0-126	
sec-Butylbenzene	25.0	20.9	83.5	74.0-121	
tert-Butylbenzene	25.0	21.1	84.2	75.0-122	
Carbon disulfide	25.0	21.8	87.3	55.0-127	
Carbon tetrachloride	25.0	20.8	83.3	63.0-122	
Chlorobenzene	25.0	23.9	95.6	79.0-121	
Chlorodibromomethane	25.0	24.9	99.6	75.0-125	
Chloroethane	25.0	20.7	82.9	47.0-152	
Chloroform	25.0	22.3	89.0	72.0-121	
Chloromethane	25.0	22.8	91.2	48.0-139	
2-Chlorotoluene	25.0	20.6	82.3	74.0-122	
4-Chlorotoluene	25.0	21.0	84.1	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	24.2	96.6	64.0-127	
1,2-Dibromoethane	25.0	24.0	95.8	77.0-123	
Dibromomethane	25.0	23.7	94.7	78.0-120	
1,2-Dichlorobenzene	25.0	24.2	96.8	80.0-120	
1,3-Dichlorobenzene	25.0	23.3	93.4	72.0-123	
1,4-Dichlorobenzene	25.0	23.7	94.9	77.0-120	
Dichlorodifluoromethane	25.0	25.5	102	49.0-155	
1,1-Dichloroethane	25.0	21.1	84.2	70.0-126	
1,2-Dichloroethane	25.0	22.8	91.2	67.0-126	
1,1-Dichloroethene	25.0	21.2	84.8	64.0-129	
cis-1,2-Dichloroethene	25.0	21.4	85.5	73.0-120	
trans-1,2-Dichloroethene	25.0	20.9	83.6	71.0-121	
1,2-Dichloropropane	25.0	23.2	92.8	75.0-125	
1,1-Dichloropropene	25.0	21.9	87.6	71.0-129	
1,3-Dichloropropane	25.0	25.2	101	80.0-121	
cis-1,3-Dichloropropene	25.0	24.1	96.5	79.0-123	
trans-1,3-Dichloropropene	25.0	24.5	98.0	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	23.4	93.7	55.0-134	
2,2-Dichloropropane	25.0	20.3	81.2	60.0-125	
Di-isopropyl ether	25.0	21.9	87.5	59.0-133	

Laboratory Control Sample (LCS)

(LCS) R3299845-1 04/04/18 15:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	25.0	23.8	95.4	77.0-120	
Hexachloro-1,3-butadiene	25.0	23.0	92.1	64.0-131	
2-Hexanone	125	119	95.4	58.0-147	
n-Hexane	25.0	19.6	78.4	56.0-124	
Iodomethane	125	110	88.0	57.0-140	
Isopropylbenzene	25.0	20.7	82.8	75.0-120	
p-Isopropyltoluene	25.0	20.8	83.2	74.0-126	
2-Butanone (MEK)	125	124	99.3	37.0-158	
Methylene Chloride	25.0	20.8	83.4	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	130	104	59.0-143	
Methyl tert-butyl ether	25.0	22.7	90.9	64.0-123	
Naphthalene	25.0	22.5	90.1	62.0-128	
n-Propylbenzene	25.0	20.0	80.1	79.0-120	
Styrene	25.0	22.1	88.6	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	24.2	96.7	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	20.6	82.5	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	20.6	82.5	61.0-136	
Tetrachloroethene	25.0	23.0	92.1	70.0-127	
Toluene	25.0	24.5	97.8	77.0-120	
1,2,3-Trichlorobenzene	25.0	18.1	72.5	61.0-133	
1,2,4-Trichlorobenzene	25.0	23.2	92.8	69.0-129	
1,1,1-Trichloroethane	25.0	21.8	87.3	68.0-122	
1,1,2-Trichloroethane	25.0	24.6	98.5	78.0-120	
Trichloroethene	25.0	23.7	94.6	78.0-120	
Trichlorofluoromethane	25.0	22.0	88.0	56.0-137	
1,2,3-Trichloropropane	25.0	21.1	84.2	72.0-124	
1,2,4-Trimethylbenzene	25.0	21.0	84.0	75.0-120	
1,2,3-Trimethylbenzene	25.0	23.0	92.0	75.0-120	
1,3,5-Trimethylbenzene	25.0	20.2	80.7	75.0-120	
Vinyl acetate	125	98.7	78.9	46.0-160	
Vinyl chloride	25.0	23.1	92.5	64.0-133	
Xylenes, Total	75.0	72.2	96.3	77.0-120	
(S) Toluene-d8			*101*	*80.0-120*	
(S) Dibromofluoromethane			*91.5*	*76.0-123*	
(S) 4-Bromofluorobenzene			*84.6*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.

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

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

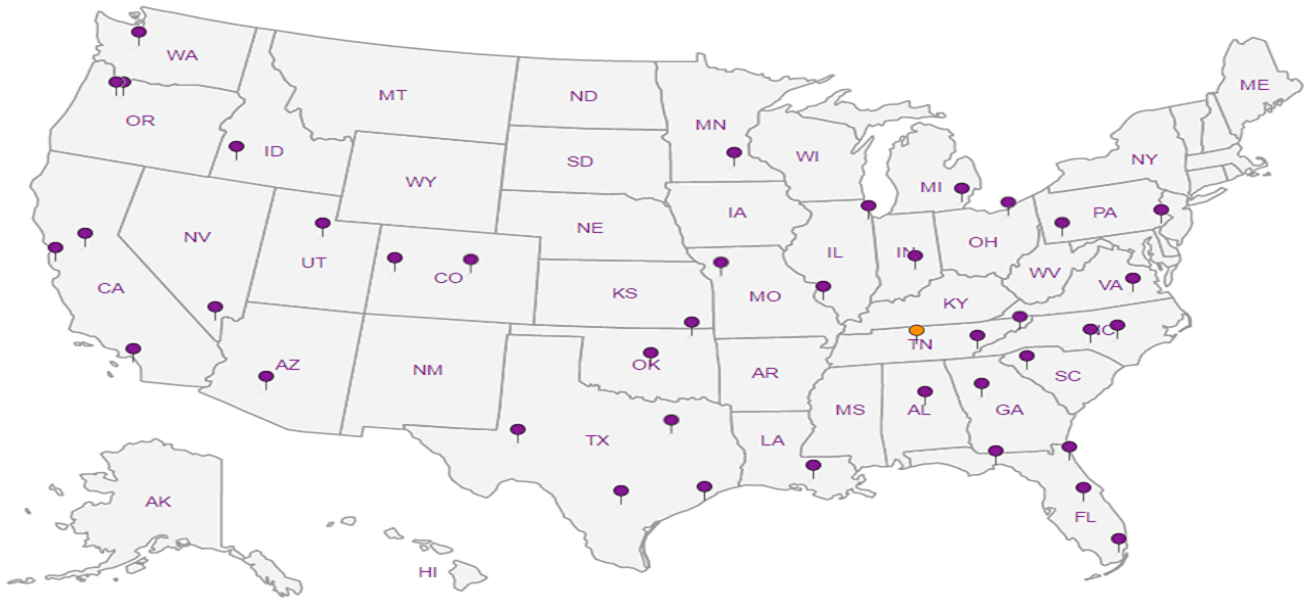
Third Party Federal Accreditations

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

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

Our Locations

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



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen Supply

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl					Remarks	Sample # (lab only)
IW-49B-032818	Grab	GW		3/28/18	0951						X						-01
IW-46A-032818		GW		3/28/18	1113						X						-02
IW-51B-032818		GW		3/28/18	1158						X						-03
IW-37A-032818		GW		3/28/18	1320						X						-04
IW-45B-032818		GW		3/28/18	1456						X						-05
IW-4A-032818		GW		3/28/18	1545						X						-06
IW-3B-032818		GW		3/28/18	1627						X						-07
IW-1C-032918		GW		3/29/18	0841						X						-08
IW-4D-032918	N	GW		3/29/18	1045						X						-09
~~IW-6D-032918~~		GW		3/29/18							X						

Chain of Custody Page 1 of 3

ESC LAB SCIENCES
a division of Pace

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

L# L982159

D132

Acctnum: PESENVSWA
Template: T134175
Prelogin: P645180
TSR: 110 - Brian Ford
PB:
Shipped Via:

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

Remarks: *Nitrate has a 48 hour hold time*

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier ___

Tracking # 4269 9210 7162

Sample Receipt Checklist

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	Sample Receipt Checklist
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.1 4.0 °C Bottles Received: 57	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 861	Date: 3/31/18 Time: 8145	Hold: Condition: NCF OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen Supply

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
IW-19C-032918	Grab	GW		3/29/18	1345						X		-10
IW-37B-032918		GW		3/29/18	1430						X		-11
IW-9A-032918		GW		3/29/18	1534						X		-12
IW-8B-033018		GW		3/30/18	0815						X		-13
IW-18A-033018		GW		3/30/18	0900						X		-14
IW-17B-033018		GW		3/30/18	0951						X		-15
IW-24B-033018		GW		3/30/18	1055						X		-16
IW-15C-033018		GW		3/30/18	1215						X		-17
IW-20C-033018		GW		3/30/18	1400						X		-18
MW-901-033018	↓	GW		3/30/18	1120						X		-19

Chain of Custody

ESC
ENVIRONMENTAL SCIENCE CORP
a subsidiary of Pace Analytical

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

L# L982159

Table #

Acctnum: PESENVSWA

Template: T134175

Prelogin: P645180

TSR: 110 - Brian Ford

PB:

Shipped Via:

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

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

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

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

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 4.1 °C Bottles Received: 57

Date: 3/31/18 Time: 8145

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PES Environmental, Inc.- WA

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Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen Supply

City/State Collected: Seattle, WA

Phone: 206-529-3980
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Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
Trip Blank	Grab	GW		3/30/18								X		-20
		GW												
		GW												
		GW												
		GW												
		GW												
		GW												
		GW												
		GW												
		GW												

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

ESC LABORATORIES
a subsidiary of Pace Analytical

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

L# L982159

Table #

Acctnum: PESENVSWA

Template: T134175

Prelogin: P645180

TSR: 110 - Brian Ford

PB:

Shipped Via:

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

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 861

Trip Blank Received: (Yes) / No
(HCl) / MeoH
TBR

Temp: 4.1 °C Bottles Received: 57

Date: 3/31/18 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	221		1.05	25.0	1	04/04/2018 17:51	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 17:51	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 17:51	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 17:51	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 17:51	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 17:51	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 17:51	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 17:51	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 17:51	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 17:51	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 17:51	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 17:51	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 17:51	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 17:51	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 17:51	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 17:51	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 17:51	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 17:51	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 17:51	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 17:51	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 17:51	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 17:51	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 17:51	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 17:51	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 17:51	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 17:51	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 17:51	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 17:51	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 17:51	WG1093670
1,1-Dichloroethene	3.52		0.188	0.500	1	04/04/2018 17:51	WG1093670
cis-1,2-Dichloroethene	974		1.87	10.0	20	04/07/2018 17:04	WG1093670
trans-1,2-Dichloroethene	1.49		0.152	0.500	1	04/04/2018 17:51	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 17:51	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 17:51	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 17:51	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 17:51	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 17:51	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 17:51	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 17:51	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 17:51	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 17:51	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 17:51	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 17:51	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 17:51	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 17:51	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 17:51	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 17:51	WG1093670
2-Butanone (MEK)	33.1		1.28	5.00	1	04/04/2018 17:51	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 17:51	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 17:51	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 17:51	WG1093670
Naphthalene	0.197	J J	0.174	2.50	1	04/04/2018 17:51	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 17:51	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 17:51	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 17:51	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 17:51	WG1093670

JC 4/23/18

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 17:51	WG1093670
Tetrachloroethene	0.307 J	J	0.199	0.500	1	04/04/2018 17:51	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 17:51	WG1093670
1,2,3-Trichlorobenzene	U UJ	J0	0.164	0.500	1	04/04/2018 17:51	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 17:51	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 17:51	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 17:51	WG1093670
Trichloroethene	0.572		0.153	0.500	1	04/04/2018 17:51	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 17:51	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 17:51	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 17:51	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 17:51	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 17:51	WG1093670
Vinyl acetate	U UJ	J0	0.645	5.00	1	04/04/2018 17:51	WG1093670
Vinyl chloride	668		2.36	10.0	20	04/07/2018 17:04	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 17:51	WG1093670
(S) Toluene-d8	*92.0*			*80.0-120*		*04/07/2018 17:04*	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 17:51*	WG1093670
(S) Dibromofluoromethane	*93.5*			*76.0-123*		*04/04/2018 17:51*	WG1093670
(S) Dibromofluoromethane	*92.8*			*76.0-123*		*04/07/2018 17:04*	WG1093670
(S) 4-Bromofluorobenzene	*99.7*			*80.0-120*		*04/07/2018 17:04*	WG1093670
(S) 4-Bromofluorobenzene	*80.7*			*80.0-120*		*04/04/2018 17:51*	WG1093670

JC 4/23/18

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	188		1.05	25.0	1	04/04/2018 18:10	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 18:10	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 18:10	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 18:10	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 18:10	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 18:10	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 18:10	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 18:10	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 18:10	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 18:10	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 18:10	WG1093670
Carbon disulfide	0.152	J J	0.101	0.500	1	04/04/2018 18:10	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 18:10	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 18:10	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 18:10	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 18:10	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 18:10	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 18:10	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 18:10	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 18:10	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 18:10	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 18:10	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 18:10	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 18:10	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 18:10	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 18:10	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 18:10	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 18:10	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 18:10	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 18:10	WG1093670
cis-1,2-Dichloroethene	8.86		0.933	5.00	10	04/07/2018 17:23	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 18:10	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 18:10	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 18:10	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 18:10	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 18:10	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 18:10	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 18:10	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 18:10	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 18:10	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 18:10	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 18:10	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 18:10	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 18:10	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 18:10	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 18:10	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 18:10	WG1093670
2-Butanone (MEK)	25.7		1.28	5.00	1	04/04/2018 18:10	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 18:10	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 18:10	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 18:10	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 18:10	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 18:10	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 18:10	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 18:10	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 18:10	WG1093670

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

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/04/2018 18:10	WG1093670
Tetrachloroethene	0.200	J	J	0.199	0.500	1	04/04/2018 18:10	WG1093670
Toluene	U			0.412	0.500	1	04/04/2018 18:10	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 18:10	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 18:10	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 18:10	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 18:10	WG1093670
Trichloroethene	U			0.153	0.500	1	04/04/2018 18:10	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 18:10	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 18:10	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 18:10	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 18:10	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 18:10	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 18:10	WG1093670
Vinyl chloride	284			1.18	5.00	10	04/07/2018 17:23	WG1093670
Xylenes, Total	U			0.316	1.50	1	04/04/2018 18:10	WG1093670
(S) Toluene-d8	*96.7*				*80.0-120*		*04/07/2018 17:23*	WG1093670
(S) Toluene-d8	*105*				*80.0-120*		*04/04/2018 18:10*	WG1093670
(S) Dibromofluoromethane	*93.7*				*76.0-123*		*04/07/2018 17:23*	WG1093670
(S) Dibromofluoromethane	*92.2*				*76.0-123*		*04/04/2018 18:10*	WG1093670
(S) 4-Bromofluorobenzene	*82.0*				*80.0-120*		*04/04/2018 18:10*	WG1093670
(S) 4-Bromofluorobenzene	*97.6*				*80.0-120*		*04/07/2018 17:23*	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Acetone	4.66	U	J	1.05	25.0	1	04/04/2018 18:29	WG1093670
Acrylonitrile	U			0.873	5.00	1	04/04/2018 18:29	WG1093670
Benzene	U			0.0896	0.500	1	04/04/2018 18:29	WG1093670
Bromobenzene	U			0.133	0.500	1	04/04/2018 18:29	WG1093670
Bromodichloromethane	U			0.0800	0.500	1	04/04/2018 18:29	WG1093670
Bromochloromethane	U			0.145	0.500	1	04/04/2018 18:29	WG1093670
Bromoform	U			0.186	0.500	1	04/04/2018 18:29	WG1093670
Bromomethane	U			0.157	2.50	1	04/04/2018 18:29	WG1093670
n-Butylbenzene	U			0.143	0.500	1	04/04/2018 18:29	WG1093670
sec-Butylbenzene	U			0.134	0.500	1	04/04/2018 18:29	WG1093670
tert-Butylbenzene	U			0.183	0.500	1	04/04/2018 18:29	WG1093670
Carbon disulfide	0.944			0.101	0.500	1	04/04/2018 18:29	WG1093670
Carbon tetrachloride	U			0.159	0.500	1	04/04/2018 18:29	WG1093670
Chlorobenzene	U			0.140	0.500	1	04/04/2018 18:29	WG1093670
Chlorodibromomethane	U			0.128	0.500	1	04/04/2018 18:29	WG1093670
Chloroethane	0.292	J	J	0.141	2.50	1	04/04/2018 18:29	WG1093670
Chloroform	U			0.0860	0.500	1	04/04/2018 18:29	WG1093670
Chloromethane	U			0.153	1.25	1	04/04/2018 18:29	WG1093670
2-Chlorotoluene	U			0.111	0.500	1	04/04/2018 18:29	WG1093670
4-Chlorotoluene	U			0.0972	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/04/2018 18:29	WG1093670
1,2-Dibromoethane	U			0.193	0.500	1	04/04/2018 18:29	WG1093670
Dibromomethane	U			0.117	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dichlorobenzene	U			0.101	0.500	1	04/04/2018 18:29	WG1093670
1,3-Dichlorobenzene	U			0.130	0.500	1	04/04/2018 18:29	WG1093670
1,4-Dichlorobenzene	U			0.121	0.500	1	04/04/2018 18:29	WG1093670
Dichlorodifluoromethane	U			0.127	2.50	1	04/04/2018 18:29	WG1093670
1,1-Dichloroethane	U			0.114	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dichloroethane	U			0.108	0.500	1	04/04/2018 18:29	WG1093670
1,1-Dichloroethene	U			0.188	0.500	1	04/04/2018 18:29	WG1093670
cis-1,2-Dichloroethene	4.60			0.0933	0.500	1	04/07/2018 17:43	WG1093670
trans-1,2-Dichloroethene	U			0.152	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dichloropropane	U			0.190	0.500	1	04/04/2018 18:29	WG1093670
1,1-Dichloropropene	U			0.128	0.500	1	04/04/2018 18:29	WG1093670
1,3-Dichloropropane	U			0.147	1.00	1	04/04/2018 18:29	WG1093670
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/04/2018 18:29	WG1093670
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/04/2018 18:29	WG1093670
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/04/2018 18:29	WG1093670
2,2-Dichloropropane	U			0.0929	0.500	1	04/04/2018 18:29	WG1093670
Di-isopropyl ether	U			0.0924	0.500	1	04/04/2018 18:29	WG1093670
Ethylbenzene	U			0.158	0.500	1	04/04/2018 18:29	WG1093670
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/04/2018 18:29	WG1093670
2-Hexanone	U			0.757	5.00	1	04/04/2018 18:29	WG1093670
n-Hexane	U	UJ	J0	0.305	5.00	1	04/04/2018 18:29	WG1093670
Iodomethane	U			0.377	10.0	1	04/04/2018 18:29	WG1093670
Isopropylbenzene	U			0.126	0.500	1	04/04/2018 18:29	WG1093670
p-Isopropyltoluene	U			0.138	0.500	1	04/04/2018 18:29	WG1093670
2-Butanone (MEK)	1.43	J	J	1.28	5.00	1	04/04/2018 18:29	WG1093670
Methylene Chloride	U			1.07	2.50	1	04/04/2018 18:29	WG1093670
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/04/2018 18:29	WG1093670
Methyl tert-butyl ether	U			0.102	0.500	1	04/04/2018 18:29	WG1093670
Naphthalene	0.208	J	J	0.174	2.50	1	04/04/2018 18:29	WG1093670
n-Propylbenzene	U			0.162	0.500	1	04/04/2018 18:29	WG1093670
Styrene	U			0.117	0.500	1	04/04/2018 18:29	WG1093670
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/04/2018 18:29	WG1093670
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/04/2018 18:29	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/04/2018 18:29	WG1093670
Tetrachloroethene	0.437	J	J	0.199	0.500	1	04/04/2018 18:29	WG1093670
Toluene	U			0.412	0.500	1	04/04/2018 18:29	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 18:29	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 18:29	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 18:29	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 18:29	WG1093670
Trichloroethene	0.817			0.153	0.500	1	04/04/2018 18:29	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 18:29	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 18:29	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 18:29	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 18:29	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 18:29	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 18:29	WG1093670
Vinyl chloride	20.5			0.118	0.500	1	04/07/2018 17:43	WG1093670
Xylenes, Total	U			0.316	1.50	1	04/04/2018 18:29	WG1093670
(S) Toluene-d8	*105*				*80.0-120*		*04/04/2018 18:29*	WG1093670
(S) Toluene-d8	*95.5*				*80.0-120*		*04/07/2018 17:43*	WG1093670
(S) Dibromofluoromethane	*85.6*				*76.0-123*		*04/04/2018 18:29*	WG1093670
(S) Dibromofluoromethane	*95.4*				*76.0-123*		*04/07/2018 17:43*	WG1093670
(S) 4-Bromofluorobenzene	*99.3*				*80.0-120*		*04/07/2018 17:43*	WG1093670
(S) 4-Bromofluorobenzene	*79.5*		J2		*80.0-120*		*04/04/2018 18:29*	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Acetone	1.64	U	J	1.05	25.0	1	04/04/2018 18:47	WG1093670
Acrylonitrile	U			0.873	5.00	1	04/04/2018 18:47	WG1093670
Benzene	0.157	J	J	0.0896	0.500	1	04/04/2018 18:47	WG1093670
Bromobenzene	U			0.133	0.500	1	04/04/2018 18:47	WG1093670
Bromodichloromethane	U			0.0800	0.500	1	04/04/2018 18:47	WG1093670
Bromochloromethane	U			0.145	0.500	1	04/04/2018 18:47	WG1093670
Bromoform	U			0.186	0.500	1	04/04/2018 18:47	WG1093670
Bromomethane	U			0.157	2.50	1	04/04/2018 18:47	WG1093670
n-Butylbenzene	U			0.143	0.500	1	04/04/2018 18:47	WG1093670
sec-Butylbenzene	U			0.134	0.500	1	04/04/2018 18:47	WG1093670
tert-Butylbenzene	U			0.183	0.500	1	04/04/2018 18:47	WG1093670
Carbon disulfide	U			0.101	0.500	1	04/04/2018 18:47	WG1093670
Carbon tetrachloride	U			0.159	0.500	1	04/04/2018 18:47	WG1093670
Chlorobenzene	U			0.140	0.500	1	04/04/2018 18:47	WG1093670
Chlorodibromomethane	U			0.128	0.500	1	04/04/2018 18:47	WG1093670
Chloroethane	U			0.141	2.50	1	04/04/2018 18:47	WG1093670
Chloroform	U			0.0860	0.500	1	04/04/2018 18:47	WG1093670
Chloromethane	U			0.153	1.25	1	04/04/2018 18:47	WG1093670
2-Chlorotoluene	U			0.111	0.500	1	04/04/2018 18:47	WG1093670
4-Chlorotoluene	U			0.0972	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/04/2018 18:47	WG1093670
1,2-Dibromoethane	U			0.193	0.500	1	04/04/2018 18:47	WG1093670
Dibromomethane	U			0.117	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dichlorobenzene	U			0.101	0.500	1	04/04/2018 18:47	WG1093670
1,3-Dichlorobenzene	U			0.130	0.500	1	04/04/2018 18:47	WG1093670
1,4-Dichlorobenzene	U			0.121	0.500	1	04/04/2018 18:47	WG1093670
Dichlorodifluoromethane	U			0.127	2.50	1	04/04/2018 18:47	WG1093670
1,1-Dichloroethane	U			0.114	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dichloroethane	U			0.108	0.500	1	04/04/2018 18:47	WG1093670
1,1-Dichloroethene	U			0.188	0.500	1	04/04/2018 18:47	WG1093670
cis-1,2-Dichloroethene	10.5			0.0933	0.500	1	04/04/2018 18:47	WG1093670
trans-1,2-Dichloroethene	0.419	J	J	0.152	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dichloropropane	U			0.190	0.500	1	04/04/2018 18:47	WG1093670
1,1-Dichloropropene	U			0.128	0.500	1	04/04/2018 18:47	WG1093670
1,3-Dichloropropane	U			0.147	1.00	1	04/04/2018 18:47	WG1093670
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/04/2018 18:47	WG1093670
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/04/2018 18:47	WG1093670
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/04/2018 18:47	WG1093670
2,2-Dichloropropane	U			0.0929	0.500	1	04/04/2018 18:47	WG1093670
Di-isopropyl ether	U			0.0924	0.500	1	04/04/2018 18:47	WG1093670
Ethylbenzene	U			0.158	0.500	1	04/04/2018 18:47	WG1093670
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/04/2018 18:47	WG1093670
2-Hexanone	U			0.757	5.00	1	04/04/2018 18:47	WG1093670
n-Hexane	U	UJ	J0	0.305	5.00	1	04/04/2018 18:47	WG1093670
Iodomethane	U			0.377	10.0	1	04/04/2018 18:47	WG1093670
Isopropylbenzene	U			0.126	0.500	1	04/04/2018 18:47	WG1093670
p-Isopropyltoluene	U			0.138	0.500	1	04/04/2018 18:47	WG1093670
2-Butanone (MEK)	U			1.28	5.00	1	04/04/2018 18:47	WG1093670
Methylene Chloride	U			1.07	2.50	1	04/04/2018 18:47	WG1093670
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/04/2018 18:47	WG1093670
Methyl tert-butyl ether	U			0.102	0.500	1	04/04/2018 18:47	WG1093670
Naphthalene	U			0.174	2.50	1	04/04/2018 18:47	WG1093670
n-Propylbenzene	U			0.162	0.500	1	04/04/2018 18:47	WG1093670
Styrene	U			0.117	0.500	1	04/04/2018 18:47	WG1093670
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/04/2018 18:47	WG1093670
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/04/2018 18:47	WG1093670

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

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/04/2018 18:47	WG1093670
Tetrachloroethene	U			0.199	0.500	1	04/04/2018 18:47	WG1093670
Toluene	U			0.412	0.500	1	04/04/2018 18:47	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 18:47	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 18:47	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 18:47	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 18:47	WG1093670
Trichloroethene	U			0.153	0.500	1	04/04/2018 18:47	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 18:47	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 18:47	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 18:47	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 18:47	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 18:47	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 18:47	WG1093670
Vinyl chloride	55.9			0.118	0.500	1	04/04/2018 18:47	WG1093670
Xylenes, Total	U			0.316	1.50	1	04/04/2018 18:47	WG1093670
(S) Toluene-d8	*105*				*80.0-120*		*04/04/2018 18:47*	WG1093670
(S) Dibromofluoromethane	*92.7*				*76.0-123*		*04/04/2018 18:47*	WG1093670
(S) 4-Bromofluorobenzene	*77.9*		J2		*80.0-120*		*04/04/2018 18:47*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.12 U	J	1.05	25.0	1	04/04/2018 19:06	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 19:06	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 19:06	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 19:06	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 19:06	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 19:06	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 19:06	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 19:06	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 19:06	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 19:06	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 19:06	WG1093670
Carbon disulfide	0.168 J	J	0.101	0.500	1	04/04/2018 19:06	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 19:06	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 19:06	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 19:06	WG1093670
Chloroethane	0.552 J	J	0.141	2.50	1	04/04/2018 19:06	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 19:06	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 19:06	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 19:06	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 19:06	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 19:06	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 19:06	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 19:06	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 19:06	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 19:06	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 19:06	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 19:06	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 19:06	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 19:06	WG1093670
1,1-Dichloroethene	0.641		0.188	0.500	1	04/04/2018 19:06	WG1093670
cis-1,2-Dichloroethene	213		0.933	5.00	10	04/07/2018 18:02	WG1093670
trans-1,2-Dichloroethene	7.09		0.152	0.500	1	04/04/2018 19:06	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 19:06	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 19:06	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 19:06	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 19:06	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 19:06	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 19:06	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 19:06	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 19:06	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 19:06	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 19:06	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 19:06	WG1093670
n-Hexane	U UJ	J0	0.305	5.00	1	04/04/2018 19:06	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 19:06	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 19:06	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 19:06	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 19:06	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 19:06	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 19:06	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 19:06	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 19:06	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 19:06	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 19:06	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 19:06	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 19:06	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 19:06	WG1093670
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 19:06	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 19:06	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 19:06	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 19:06	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 19:06	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 19:06	WG1093670
Trichloroethene	0.215	J J	0.153	0.500	1	04/04/2018 19:06	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 19:06	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 19:06	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 19:06	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 19:06	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 19:06	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 19:06	WG1093670
Vinyl chloride	150		0.118	0.500	1	04/04/2018 19:06	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 19:06	WG1093670
(S) Toluene-d8	*103*			*80.0-120*		*04/04/2018 19:06*	WG1093670
(S) Toluene-d8	*95.2*			*80.0-120*		*04/07/2018 18:02*	WG1093670
(S) Dibromofluoromethane	*93.9*			*76.0-123*		*04/04/2018 19:06*	WG1093670
(S) Dibromofluoromethane	*92.3*			*76.0-123*		*04/07/2018 18:02*	WG1093670
(S) 4-Bromofluorobenzene	*81.2*			*80.0-120*		*04/04/2018 19:06*	WG1093670
(S) 4-Bromofluorobenzene	*97.7*			*80.0-120*		*04/07/2018 18:02*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.01	U J	1.05	25.0	1	04/04/2018 19:25	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 19:25	WG1093670
Benzene	0.205	J J	0.0896	0.500	1	04/04/2018 19:25	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 19:25	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 19:25	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 19:25	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 19:25	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 19:25	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 19:25	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 19:25	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 19:25	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 19:25	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 19:25	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 19:25	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 19:25	WG1093670
Chloroethane	17.2		0.141	2.50	1	04/04/2018 19:25	WG1093670
Chloroform	0.526		0.0860	0.500	1	04/04/2018 19:25	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 19:25	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 19:25	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 19:25	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 19:25	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 19:25	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 19:25	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 19:25	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 19:25	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 19:25	WG1093670
1,1-Dichloroethene	8.95		0.188	0.500	1	04/04/2018 19:25	WG1093670
cis-1,2-Dichloroethene	2010		4.66	25.0	50	04/07/2018 18:22	WG1093670
trans-1,2-Dichloroethene	9.77		0.152	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 19:25	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 19:25	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 19:25	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 19:25	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 19:25	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 19:25	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 19:25	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 19:25	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 19:25	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 19:25	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 19:25	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 19:25	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 19:25	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 19:25	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 19:25	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 19:25	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 19:25	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 19:25	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 19:25	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 19:25	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 19:25	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 19:25	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 19:25	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 19:25	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/04/2018 19:25	WG1093670
Tetrachloroethene	9470			39.8	100	200	04/08/2018 11:14	WG1093670
Toluene	0.589			0.412	0.500	1	04/04/2018 19:25	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 19:25	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 19:25	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 19:25	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 19:25	WG1093670
Trichloroethene	1100			7.65	25.0	50	04/07/2018 18:22	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 19:25	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 19:25	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 19:25	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 19:25	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 19:25	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 19:25	WG1093670
Vinyl chloride	306			5.90	25.0	50	04/07/2018 18:22	WG1093670
Xylenes, Total	U			0.316	1.50	1	04/04/2018 19:25	WG1093670
(S) Toluene-d8	*96.0*				*80.0-120*		*04/08/2018 11:14*	WG1093670
(S) Toluene-d8	*95.7*				*80.0-120*		*04/07/2018 18:22*	WG1093670
(S) Toluene-d8	*101*				*80.0-120*		*04/04/2018 19:25*	WG1093670
(S) Dibromofluoromethane	*94.4*				*76.0-123*		*04/08/2018 11:14*	WG1093670
(S) Dibromofluoromethane	*91.0*				*76.0-123*		*04/04/2018 19:25*	WG1093670
(S) Dibromofluoromethane	*95.7*				*76.0-123*		*04/07/2018 18:22*	WG1093670
(S) 4-Bromofluorobenzene	*97.3*				*80.0-120*		*04/07/2018 18:22*	WG1093670
(S) 4-Bromofluorobenzene	*78.1*		J2		*80.0-120*		*04/04/2018 19:25*	WG1093670
(S) 4-Bromofluorobenzene	*98.8*				*80.0-120*		*04/08/2018 11:14*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.82 U	J	1.05	25.0	1	04/04/2018 19:44	WG1093670	
Acrylonitrile	U		0.873	5.00	1	04/04/2018 19:44	WG1093670	
Benzene	0.158 J	J	0.0896	0.500	1	04/04/2018 19:44	WG1093670	
Bromobenzene	U		0.133	0.500	1	04/04/2018 19:44	WG1093670	
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 19:44	WG1093670	
Bromochloromethane	U		0.145	0.500	1	04/04/2018 19:44	WG1093670	
Bromoform	U		0.186	0.500	1	04/04/2018 19:44	WG1093670	
Bromomethane	U		0.157	2.50	1	04/04/2018 19:44	WG1093670	
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 19:44	WG1093670	
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 19:44	WG1093670	
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 19:44	WG1093670	
Carbon disulfide	U		0.101	0.500	1	04/04/2018 19:44	WG1093670	
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 19:44	WG1093670	
Chlorobenzene	U		0.140	0.500	1	04/04/2018 19:44	WG1093670	
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 19:44	WG1093670	
Chloroethane	15.0		0.141	2.50	1	04/04/2018 19:44	WG1093670	
Chloroform	U		0.0860	0.500	1	04/04/2018 19:44	WG1093670	
Chloromethane	U		0.153	1.25	1	04/04/2018 19:44	WG1093670	
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 19:44	WG1093670	
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 19:44	WG1093670	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 19:44	WG1093670	
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 19:44	WG1093670	
Dibromomethane	U		0.117	0.500	1	04/04/2018 19:44	WG1093670	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 19:44	WG1093670	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 19:44	WG1093670	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 19:44	WG1093670	
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 19:44	WG1093670	
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 19:44	WG1093670	
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 19:44	WG1093670	
1,1-Dichloroethene	9.84		0.188	0.500	1	04/04/2018 19:44	WG1093670	
cis-1,2-Dichloroethene	3170		4.66	25.0	50	04/07/2018 18:41	WG1093670	
trans-1,2-Dichloroethene	10.7		0.152	0.500	1	04/04/2018 19:44	WG1093670	
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 19:44	WG1093670	
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 19:44	WG1093670	
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 19:44	WG1093670	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 19:44	WG1093670	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 19:44	WG1093670	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 19:44	WG1093670	
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 19:44	WG1093670	
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 19:44	WG1093670	
Ethylbenzene	U		0.158	0.500	1	04/04/2018 19:44	WG1093670	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 19:44	WG1093670	
2-Hexanone	U		0.757	5.00	1	04/04/2018 19:44	WG1093670	
n-Hexane	U UJ	J0	0.305	5.00	1	04/04/2018 19:44	WG1093670	
Iodomethane	U		0.377	10.0	1	04/04/2018 19:44	WG1093670	
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 19:44	WG1093670	
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 19:44	WG1093670	
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 19:44	WG1093670	
Methylene Chloride	U		1.07	2.50	1	04/04/2018 19:44	WG1093670	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 19:44	WG1093670	
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 19:44	WG1093670	
Naphthalene	U		0.174	2.50	1	04/04/2018 19:44	WG1093670	
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 19:44	WG1093670	
Styrene	U		0.117	0.500	1	04/04/2018 19:44	WG1093670	JC 4/23/18
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 19:44	WG1093670	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 19:44	WG1093670	

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/04/2018 19:44	WG1093670
Tetrachloroethene	360			9.95	25.0	50	04/07/2018 18:41	WG1093670
Toluene	0.446	J	J	0.412	0.500	1	04/04/2018 19:44	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 19:44	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 19:44	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 19:44	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 19:44	WG1093670
Trichloroethene	459			7.65	25.0	50	04/07/2018 18:41	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 19:44	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 19:44	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 19:44	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 19:44	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 19:44	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 19:44	WG1093670
Vinyl chloride	395			5.90	25.0	50	04/07/2018 18:41	WG1093670
Xylenes, Total	U			0.316	1.50	1	04/04/2018 19:44	WG1093670
(S) Toluene-d8	*104*				*80.0-120*		*04/04/2018 19:44*	WG1093670
(S) Toluene-d8	*96.4*				*80.0-120*		*04/07/2018 18:41*	WG1093670
(S) Dibromofluoromethane	*96.9*				*76.0-123*		*04/07/2018 18:41*	WG1093670
(S) Dibromofluoromethane	*93.6*				*76.0-123*		*04/04/2018 19:44*	WG1093670
(S) 4-Bromofluorobenzene	*79.0*		J2		*80.0-120*		*04/04/2018 19:44*	WG1093670
(S) 4-Bromofluorobenzene	*96.6*				*80.0-120*		*04/07/2018 18:41*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.31 U	J	1.05	25.0	1	04/04/2018 20:03	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:03	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 20:03	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:03	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:03	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:03	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 20:03	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 20:03	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:03	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:03	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:03	WG1093670
Carbon disulfide	2.19		0.101	0.500	1	04/04/2018 20:03	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:03	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:03	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:03	WG1093670
Chloroethane	0.372 J	J	0.141	2.50	1	04/04/2018 20:03	WG1093670
Chloroform	0.511		0.0860	0.500	1	04/04/2018 20:03	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 20:03	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:03	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:03	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:03	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:03	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:03	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:03	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:03	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:03	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 20:03	WG1093670
cis-1,2-Dichloroethene	12.7		0.0933	0.500	1	04/07/2018 19:01	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:03	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:03	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:03	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:03	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:03	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:03	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:03	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:03	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:03	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:03	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:03	WG1093670
n-Hexane	U UJ	J0	0.305	5.00	1	04/04/2018 20:03	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 20:03	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:03	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:03	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:03	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:03	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:03	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:03	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 20:03	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:03	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 20:03	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:03	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:03	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 20:03	WG1093670
Tetrachloroethene	5.07		0.199	0.500	1	04/07/2018 19:01	WG1093670
Toluene	0.524		0.412	0.500	1	04/04/2018 20:03	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 20:03	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 20:03	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 20:03	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 20:03	WG1093670
Trichloroethene	56.5		0.153	0.500	1	04/07/2018 19:01	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 20:03	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 20:03	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 20:03	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 20:03	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 20:03	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 20:03	WG1093670
Vinyl chloride	1.69		0.118	0.500	1	04/07/2018 19:01	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 20:03	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 20:03*	WG1093670
(S) Toluene-d8	*95.2*			*80.0-120*		*04/07/2018 19:01*	WG1093670
(S) Dibromofluoromethane	*92.4*			*76.0-123*		*04/04/2018 20:03*	WG1093670
(S) Dibromofluoromethane	*93.9*			*76.0-123*		*04/07/2018 19:01*	WG1093670
(S) 4-Bromofluorobenzene	*78.3*	J2		*80.0-120*		*04/04/2018 20:03*	WG1093670
(S) 4-Bromofluorobenzene	*99.7*			*80.0-120*		*04/07/2018 19:01*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.02	U J	1.05	25.0	1	04/04/2018 20:21	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:21	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 20:21	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:21	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:21	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:21	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 20:21	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 20:21	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:21	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:21	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:21	WG1093670
Carbon disulfide	3.06		0.101	0.500	1	04/04/2018 20:21	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:21	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:21	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:21	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 20:21	WG1093670
Chloroform	0.242	J J	0.0860	0.500	1	04/04/2018 20:21	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 20:21	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:21	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:21	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:21	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:21	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:21	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:21	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:21	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:21	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 20:21	WG1093670
cis-1,2-Dichloroethene	5.29		0.0933	0.500	1	04/07/2018 19:20	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:21	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:21	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:21	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:21	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:21	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:21	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:21	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:21	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:21	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:21	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:21	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 20:21	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 20:21	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:21	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:21	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:21	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:21	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:21	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:21	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 20:21	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:21	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 20:21	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:21	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:21	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 20:21	WG1093670
Tetrachloroethene	2.86		0.199	0.500	1	04/07/2018 19:20	WG1093670
Toluene	0.604		0.412	0.500	1	04/04/2018 20:21	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 20:21	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 20:21	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 20:21	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 20:21	WG1093670
Trichloroethene	0.653		0.153	0.500	1	04/07/2018 19:20	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 20:21	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 20:21	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 20:21	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 20:21	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 20:21	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 20:21	WG1093670
Vinyl chloride	2.56		0.118	0.500	1	04/07/2018 19:20	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 20:21	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 20:21*	WG1093670
(S) Toluene-d8	*96.9*			*80.0-120*		*04/07/2018 19:20*	WG1093670
(S) Dibromofluoromethane	*92.2*			*76.0-123*		*04/07/2018 19:20*	WG1093670
(S) Dibromofluoromethane	*93.0*			*76.0-123*		*04/04/2018 20:21*	WG1093670
(S) 4-Bromofluorobenzene	*79.4*	J2		*80.0-120*		*04/04/2018 20:21*	WG1093670
(S) 4-Bromofluorobenzene	*99.5*			*80.0-120*		*04/07/2018 19:20*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/04/2018 20:40	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:40	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 20:40	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:40	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:40	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:40	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 20:40	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 20:40	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:40	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:40	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:40	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 20:40	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:40	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:40	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:40	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 20:40	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 20:40	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 20:40	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:40	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:40	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:40	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:40	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:40	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:40	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:40	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:40	WG1093670
1,1-Dichloroethene	0.201	J J	0.188	0.500	1	04/04/2018 20:40	WG1093670
cis-1,2-Dichloroethene	103		0.0933	0.500	1	04/04/2018 20:40	WG1093670
trans-1,2-Dichloroethene	0.305	J J	0.152	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:40	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:40	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:40	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:40	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:40	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:40	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:40	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:40	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:40	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:40	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:40	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 20:40	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 20:40	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:40	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:40	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:40	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:40	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:40	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:40	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 20:40	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:40	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 20:40	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:40	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:40	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/04/2018 20:40	WG1093670
Tetrachloroethene	1.12			0.199	0.500	1	04/04/2018 20:40	WG1093670
Toluene	U			0.412	0.500	1	04/04/2018 20:40	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 20:40	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 20:40	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 20:40	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 20:40	WG1093670
Trichloroethene	0.192	J	J	0.153	0.500	1	04/04/2018 20:40	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 20:40	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 20:40	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 20:40	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 20:40	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 20:40	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 20:40	WG1093670
Vinyl chloride	168			0.118	0.500	1	04/04/2018 20:40	WG1093670
Xylenes, Total	U			0.316	1.50	1	04/04/2018 20:40	WG1093670
(S) Toluene-d8	*106*				*80.0-120*		*04/04/2018 20:40*	WG1093670
(S) Dibromofluoromethane	*87.8*				*76.0-123*		*04/04/2018 20:40*	WG1093670
(S) 4-Bromofluorobenzene	*79.0*		J2		*80.0-120*		*04/04/2018 20:40*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	3.13	U J	1.05	25.0	1	04/04/2018 20:59	WG1093670	
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:59	WG1093670	
Benzene	U		0.0896	0.500	1	04/04/2018 20:59	WG1093670	
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:59	WG1093670	
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:59	WG1093670	
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:59	WG1093670	
Bromoform	U		0.186	0.500	1	04/04/2018 20:59	WG1093670	
Bromomethane	U		0.157	2.50	1	04/04/2018 20:59	WG1093670	
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:59	WG1093670	
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:59	WG1093670	
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:59	WG1093670	
Carbon disulfide	0.447	J J	0.101	0.500	1	04/04/2018 20:59	WG1093670	
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:59	WG1093670	
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:59	WG1093670	
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:59	WG1093670	
Chloroethane	U		0.141	2.50	1	04/04/2018 20:59	WG1093670	
Chloroform	U		0.0860	0.500	1	04/04/2018 20:59	WG1093670	
Chloromethane	U		0.153	1.25	1	04/04/2018 20:59	WG1093670	
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:59	WG1093670	
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:59	WG1093670	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:59	WG1093670	
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:59	WG1093670	
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:59	WG1093670	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:59	WG1093670	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:59	WG1093670	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:59	WG1093670	
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:59	WG1093670	
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:59	WG1093670	
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:59	WG1093670	
1,1-Dichloroethene	4.56		0.188	0.500	1	04/04/2018 20:59	WG1093670	
cis-1,2-Dichloroethene	3240		4.66	25.0	50	04/07/2018 19:40	WG1093670	
trans-1,2-Dichloroethene	33.0		0.152	0.500	1	04/04/2018 20:59	WG1093670	
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:59	WG1093670	
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:59	WG1093670	
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:59	WG1093670	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:59	WG1093670	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:59	WG1093670	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:59	WG1093670	
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:59	WG1093670	
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:59	WG1093670	
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:59	WG1093670	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:59	WG1093670	
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:59	WG1093670	
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 20:59	WG1093670	JC 4/23/18
Iodomethane	U		0.377	10.0	1	04/04/2018 20:59	WG1093670	
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:59	WG1093670	
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:59	WG1093670	
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:59	WG1093670	
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:59	WG1093670	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:59	WG1093670	
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:59	WG1093670	
Naphthalene	U		0.174	2.50	1	04/04/2018 20:59	WG1093670	
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:59	WG1093670	
Styrene	U		0.117	0.500	1	04/04/2018 20:59	WG1093670	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:59	WG1093670	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:59	WG1093670	

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

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/04/2018 20:59	WG1093670
Tetrachloroethene	1.82			0.199	0.500	1	04/04/2018 20:59	WG1093670
Toluene	U			0.412	0.500	1	04/04/2018 20:59	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 20:59	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 20:59	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 20:59	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 20:59	WG1093670
Trichloroethene	0.497	J	J	0.153	0.500	1	04/04/2018 20:59	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 20:59	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 20:59	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 20:59	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 20:59	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 20:59	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 20:59	WG1093670
Vinyl chloride	2420			5.90	25.0	50	04/07/2018 19:40	WG1093670
Xylenes, Total	U			0.316	1.50	1	04/04/2018 20:59	WG1093670
(S) Toluene-d8	*103*				*80.0-120*		*04/04/2018 20:59*	WG1093670
(S) Toluene-d8	*94.7*				*80.0-120*		*04/07/2018 19:40*	WG1093670
(S) Dibromofluoromethane	*96.0*				*76.0-123*		*04/07/2018 19:40*	WG1093670
(S) Dibromofluoromethane	*93.1*				*76.0-123*		*04/04/2018 20:59*	WG1093670
(S) 4-Bromofluorobenzene	*96.6*				*80.0-120*		*04/07/2018 19:40*	WG1093670
(S) 4-Bromofluorobenzene	*78.5*		J2		*80.0-120*		*04/04/2018 20:59*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	2.70 U	J	1.05	25.0	1	04/04/2018 21:17	WG1093670	
Acrylonitrile	U		0.873	5.00	1	04/04/2018 21:17	WG1093670	
Benzene	U		0.0896	0.500	1	04/04/2018 21:17	WG1093670	
Bromobenzene	U		0.133	0.500	1	04/04/2018 21:17	WG1093670	
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 21:17	WG1093670	
Bromochloromethane	U		0.145	0.500	1	04/04/2018 21:17	WG1093670	
Bromoform	U		0.186	0.500	1	04/04/2018 21:17	WG1093670	
Bromomethane	U		0.157	2.50	1	04/04/2018 21:17	WG1093670	
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 21:17	WG1093670	
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 21:17	WG1093670	
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 21:17	WG1093670	
Carbon disulfide	U		0.101	0.500	1	04/04/2018 21:17	WG1093670	
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 21:17	WG1093670	
Chlorobenzene	U		0.140	0.500	1	04/04/2018 21:17	WG1093670	
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 21:17	WG1093670	
Chloroethane	4.90		0.141	2.50	1	04/04/2018 21:17	WG1093670	
Chloroform	0.173 J	J	0.0860	0.500	1	04/04/2018 21:17	WG1093670	
Chloromethane	U		0.153	1.25	1	04/04/2018 21:17	WG1093670	
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 21:17	WG1093670	
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 21:17	WG1093670	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 21:17	WG1093670	
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 21:17	WG1093670	
Dibromomethane	U		0.117	0.500	1	04/04/2018 21:17	WG1093670	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 21:17	WG1093670	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 21:17	WG1093670	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 21:17	WG1093670	
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 21:17	WG1093670	
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 21:17	WG1093670	
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 21:17	WG1093670	
1,1-Dichloroethene	1.85		0.188	0.500	1	04/04/2018 21:17	WG1093670	
cis-1,2-Dichloroethene	510		4.66	25.0	50	04/07/2018 19:59	WG1093670	
trans-1,2-Dichloroethene	2.36		0.152	0.500	1	04/04/2018 21:17	WG1093670	
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 21:17	WG1093670	
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 21:17	WG1093670	
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 21:17	WG1093670	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 21:17	WG1093670	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 21:17	WG1093670	JC 4/23/18
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 21:17	WG1093670	
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 21:17	WG1093670	
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 21:17	WG1093670	
Ethylbenzene	U		0.158	0.500	1	04/04/2018 21:17	WG1093670	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 21:17	WG1093670	
2-Hexanone	U		0.757	5.00	1	04/04/2018 21:17	WG1093670	
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 21:17	WG1093670	
Iodomethane	U		0.377	10.0	1	04/04/2018 21:17	WG1093670	
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 21:17	WG1093670	
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 21:17	WG1093670	
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 21:17	WG1093670	
Methylene Chloride	U		1.07	2.50	1	04/04/2018 21:17	WG1093670	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 21:17	WG1093670	
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 21:17	WG1093670	
Naphthalene	U		0.174	2.50	1	04/04/2018 21:17	WG1093670	
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 21:17	WG1093670	
Styrene	U		0.117	0.500	1	04/04/2018 21:17	WG1093670	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 21:17	WG1093670	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 21:17	WG1093670	

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 21:17	WG1093670
Tetrachloroethene	3530		9.95	25.0	50	04/07/2018 19:59	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 21:17	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 21:17	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 21:17	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 21:17	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 21:17	WG1093670
Trichloroethene	299		7.65	25.0	50	04/07/2018 19:59	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 21:17	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 21:17	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 21:17	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 21:17	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 21:17	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 21:17	WG1093670
Vinyl chloride	102		0.118	0.500	1	04/04/2018 21:17	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 21:17	WG1093670
(S) Toluene-d8	*94.0*			*80.0-120*		*04/07/2018 19:59*	WG1093670
(S) Toluene-d8	*101*			*80.0-120*		*04/04/2018 21:17*	WG1093670
(S) Dibromofluoromethane	*92.5*			*76.0-123*		*04/04/2018 21:17*	WG1093670
(S) Dibromofluoromethane	*93.4*			*76.0-123*		*04/07/2018 19:59*	WG1093670
(S) 4-Bromofluorobenzene	*97.3*			*80.0-120*		*04/07/2018 19:59*	WG1093670
(S) 4-Bromofluorobenzene	*80.9*			*80.0-120*		*04/04/2018 21:17*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.33	U J	1.05	25.0	1	04/04/2018 21:36	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 21:36	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 21:36	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 21:36	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 21:36	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 21:36	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 21:36	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 21:36	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 21:36	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 21:36	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 21:36	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 21:36	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 21:36	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 21:36	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 21:36	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 21:36	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 21:36	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 21:36	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 21:36	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 21:36	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 21:36	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 21:36	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 21:36	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 21:36	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 21:36	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 21:36	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 21:36	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 21:36	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 21:36	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 21:36	WG1093670
cis-1,2-Dichloroethene	6.43		0.0933	0.500	1	04/07/2018 20:19	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 21:36	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 21:36	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 21:36	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 21:36	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 21:36	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 21:36	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 21:36	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 21:36	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 21:36	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 21:36	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 21:36	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 21:36	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 21:36	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 21:36	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 21:36	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 21:36	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 21:36	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 21:36	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 21:36	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 21:36	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 21:36	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 21:36	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 21:36	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 21:36	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 21:36	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 21:36	WG1093670
Tetrachloroethene	25.2		0.199	0.500	1	04/07/2018 20:19	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 21:36	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 21:36	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 21:36	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 21:36	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 21:36	WG1093670
Trichloroethene	21.8		0.153	0.500	1	04/07/2018 20:19	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 21:36	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 21:36	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 21:36	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 21:36	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 21:36	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 21:36	WG1093670
Vinyl chloride	0.403	J J	0.118	0.500	1	04/07/2018 20:19	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 21:36	WG1093670
(S) Toluene-d8	*95.8*			*80.0-120*		*04/07/2018 20:19*	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 21:36*	WG1093670
(S) Dibromofluoromethane	*93.7*			*76.0-123*		*04/04/2018 21:36*	WG1093670
(S) Dibromofluoromethane	*95.8*			*76.0-123*		*04/07/2018 20:19*	WG1093670
(S) 4-Bromofluorobenzene	*81.8*			*80.0-120*		*04/04/2018 21:36*	WG1093670
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/07/2018 20:19*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.19	U J	1.05	25.0	1	04/04/2018 21:55	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 21:55	WG1093670
Benzene	0.306	J J	0.0896	0.500	1	04/04/2018 21:55	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 21:55	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 21:55	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 21:55	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 21:55	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 21:55	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 21:55	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 21:55	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 21:55	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 21:55	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 21:55	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 21:55	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 21:55	WG1093670
Chloroethane	3.63		0.141	2.50	1	04/04/2018 21:55	WG1093670
Chloroform	0.292	J J	0.0860	0.500	1	04/04/2018 21:55	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 21:55	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 21:55	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 21:55	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 21:55	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 21:55	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 21:55	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 21:55	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 21:55	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 21:55	WG1093670
1,1-Dichloroethene	12.9		0.188	0.500	1	04/04/2018 21:55	WG1093670
cis-1,2-Dichloroethene	3680		9.33	50.0	100	04/07/2018 20:38	WG1093670
trans-1,2-Dichloroethene	13.6		0.152	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 21:55	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 21:55	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 21:55	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 21:55	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 21:55	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 21:55	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 21:55	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 21:55	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 21:55	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 21:55	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 21:55	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 21:55	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 21:55	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 21:55	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 21:55	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 21:55	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 21:55	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 21:55	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 21:55	WG1093670
Naphthalene	0.258	J J	0.174	2.50	1	04/04/2018 21:55	WG1093670
n-Propylbenzene	0.186	J J	0.162	0.500	1	04/04/2018 21:55	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 21:55	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 21:55	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 21:55	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/04/2018 21:55	WG1093670
Tetrachloroethene	16500			19.9	50.0	100	04/07/2018 20:38	WG1093670
Toluene	2.07			0.412	0.500	1	04/04/2018 21:55	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 21:55	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 21:55	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 21:55	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 21:55	WG1093670
Trichloroethene	3300			15.3	50.0	100	04/07/2018 20:38	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 21:55	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 21:55	WG1093670
1,2,4-Trimethylbenzene	0.984			0.123	0.500	1	04/04/2018 21:55	WG1093670
1,2,3-Trimethylbenzene	0.372	J	J	0.0739	0.500	1	04/04/2018 21:55	WG1093670
1,3,5-Trimethylbenzene	0.293	J	J	0.124	0.500	1	04/04/2018 21:55	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 21:55	WG1093670
Vinyl chloride	478			11.8	50.0	100	04/07/2018 20:38	WG1093670
Xylenes, Total	0.507	J	J	0.316	1.50	1	04/04/2018 21:55	WG1093670
(S) Toluene-d8	*101*				*80.0-120*		*04/04/2018 21:55*	WG1093670
(S) Toluene-d8	*92.4*				*80.0-120*		*04/07/2018 20:38*	WG1093670
(S) Dibromofluoromethane	*94.9*				*76.0-123*		*04/07/2018 20:38*	WG1093670
(S) Dibromofluoromethane	*90.2*				*76.0-123*		*04/04/2018 21:55*	WG1093670
(S) 4-Bromofluorobenzene	*77.6*		J2		*80.0-120*		*04/04/2018 21:55*	WG1093670
(S) 4-Bromofluorobenzene	*98.9*				*80.0-120*		*04/07/2018 20:38*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	8.11 U	J	1.05	25.0	1	04/04/2018 22:14	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 22:14	WG1093670
Benzene	0.838		0.0896	0.500	1	04/04/2018 22:14	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 22:14	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 22:14	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 22:14	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 22:14	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 22:14	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 22:14	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 22:14	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 22:14	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 22:14	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 22:14	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 22:14	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 22:14	WG1093670
Chloroethane	5.32		0.141	2.50	1	04/04/2018 22:14	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 22:14	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 22:14	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 22:14	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 22:14	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 22:14	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 22:14	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 22:14	WG1093670
1,2-Dichlorobenzene	0.134 J	J	0.101	0.500	1	04/04/2018 22:14	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 22:14	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 22:14	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 22:14	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 22:14	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 22:14	WG1093670
1,1-Dichloroethene	184		0.188	0.500	1	04/04/2018 22:14	WG1093670
cis-1,2-Dichloroethene	51400		46.6	250	500	04/07/2018 20:58	WG1093670
trans-1,2-Dichloroethene	228 J	J	76.0	250	500	04/07/2018 20:58	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 22:14	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 22:14	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 22:14	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 22:14	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 22:14	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 22:14	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 22:14	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 22:14	WG1093670
Ethylbenzene	0.451 J	J	0.158	0.500	1	04/04/2018 22:14	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 22:14	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 22:14	WG1093670
n-Hexane	U UJ	J0	0.305	5.00	1	04/04/2018 22:14	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 22:14	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 22:14	WG1093670
p-Isopropyltoluene	0.141 J	J	0.138	0.500	1	04/04/2018 22:14	WG1093670
2-Butanone (MEK)	2.93 J	J	1.28	5.00	1	04/04/2018 22:14	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 22:14	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 22:14	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 22:14	WG1093670
Naphthalene	0.480 J	J	0.174	2.50	1	04/04/2018 22:14	WG1093670
n-Propylbenzene	0.307 J	J	0.162	0.500	1	04/04/2018 22:14	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 22:14	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 22:14	WG1093670 JC 4/23/18
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 22:14	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 22:14	WG1093670
Tetrachloroethene	60100		99.5	250	500	04/07/2018 20:58	WG1093670
Toluene	3.71		0.412	0.500	1	04/04/2018 22:14	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 22:14	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 22:14	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 22:14	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 22:14	WG1093670
Trichloroethene	11500		76.5	250	500	04/07/2018 20:58	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 22:14	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 22:14	WG1093670
1,2,4-Trimethylbenzene	2.04		0.123	0.500	1	04/04/2018 22:14	WG1093670
1,2,3-Trimethylbenzene	1.05		0.0739	0.500	1	04/04/2018 22:14	WG1093670
1,3,5-Trimethylbenzene	0.613		0.124	0.500	1	04/04/2018 22:14	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 22:14	WG1093670
Vinyl chloride	3230		59.0	250	500	04/07/2018 20:58	WG1093670
Xylenes, Total	2.54		0.316	1.50	1	04/04/2018 22:14	WG1093670
(S) Toluene-d8	*93.7*			*80.0-120*		*04/07/2018 20:58*	WG1093670
(S) Toluene-d8	*108*			*80.0-120*		*04/04/2018 22:14*	WG1093670
(S) Dibromofluoromethane	*88.8*			*76.0-123*		*04/04/2018 22:14*	WG1093670
(S) Dibromofluoromethane	*94.0*			*76.0-123*		*04/07/2018 20:58*	WG1093670
(S) 4-Bromofluorobenzene	*80.6*			*80.0-120*		*04/04/2018 22:14*	WG1093670
(S) 4-Bromofluorobenzene	*98.4*			*80.0-120*		*04/07/2018 20:58*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	5.27	U J	1.05	25.0	1	04/04/2018 22:33	WG1093670	
Acrylonitrile	U		0.873	5.00	1	04/04/2018 22:33	WG1093670	
Benzene	0.754	J+	0.0896	0.500	1	04/04/2018 22:33	WG1093670	
Bromobenzene	U		0.133	0.500	1	04/04/2018 22:33	WG1093670	
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 22:33	WG1093670	
Bromochloromethane	U		0.145	0.500	1	04/04/2018 22:33	WG1093670	
Bromoform	U		0.186	0.500	1	04/04/2018 22:33	WG1093670	
Bromomethane	U		0.157	2.50	1	04/04/2018 22:33	WG1093670	
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 22:33	WG1093670	
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 22:33	WG1093670	
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 22:33	WG1093670	
Carbon disulfide	0.806	J+	0.101	0.500	1	04/04/2018 22:33	WG1093670	
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 22:33	WG1093670	
Chlorobenzene	0.278	J+ J	0.140	0.500	1	04/04/2018 22:33	WG1093670	
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 22:33	WG1093670	
Chloroethane	3.05	J+	0.141	2.50	1	04/04/2018 22:33	WG1093670	
Chloroform	U		0.0860	0.500	1	04/04/2018 22:33	WG1093670	
Chloromethane	U		0.153	1.25	1	04/04/2018 22:33	WG1093670	
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 22:33	WG1093670	
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 22:33	WG1093670	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 22:33	WG1093670	
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 22:33	WG1093670	
Dibromomethane	U		0.117	0.500	1	04/04/2018 22:33	WG1093670	
1,2-Dichlorobenzene	0.172	J+ J	0.101	0.500	1	04/04/2018 22:33	WG1093670	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 22:33	WG1093670	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 22:33	WG1093670	
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 22:33	WG1093670	
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 22:33	WG1093670	
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 22:33	WG1093670	
1,1-Dichloroethene	149	J J	94.0	250	500	04/07/2018 21:17	WG1093670	
cis-1,2-Dichloroethene	48200		46.6	250	500	04/07/2018 21:17	WG1093670	
trans-1,2-Dichloroethene	274		76.0	250	500	04/07/2018 21:17	WG1093670	
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 22:33	WG1093670	
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 22:33	WG1093670	
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 22:33	WG1093670	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 22:33	WG1093670	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 22:33	WG1093670	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 22:33	WG1093670	
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 22:33	WG1093670	
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 22:33	WG1093670	
Ethylbenzene	0.777	J+	0.158	0.500	1	04/04/2018 22:33	WG1093670	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 22:33	WG1093670	
2-Hexanone	U		0.757	5.00	1	04/04/2018 22:33	WG1093670	
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 22:33	WG1093670	JC 4/23/18
Iodomethane	U		0.377	10.0	1	04/04/2018 22:33	WG1093670	
Isopropylbenzene	0.158	J+ J	0.126	0.500	1	04/04/2018 22:33	WG1093670	JC 4/27/18
p-Isopropyltoluene	0.266	J+ J	0.138	0.500	1	04/04/2018 22:33	WG1093670	
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 22:33	WG1093670	
Methylene Chloride	U		1.07	2.50	1	04/04/2018 22:33	WG1093670	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 22:33	WG1093670	
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 22:33	WG1093670	
Naphthalene	0.975	J+ J	0.174	2.50	1	04/04/2018 22:33	WG1093670	
n-Propylbenzene	0.429	J+ J	0.162	0.500	1	04/04/2018 22:33	WG1093670	
Styrene	U		0.117	0.500	1	04/04/2018 22:33	WG1093670	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 22:33	WG1093670	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 22:33	WG1093670	

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 22:33	WG1093670
Tetrachloroethene	48800		99.5	250	500	04/07/2018 21:17	WG1093670
Toluene	6.26	J+	0.412	0.500	1	04/04/2018 22:33	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 22:33	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 22:33	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 22:33	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 22:33	WG1093670
Trichloroethene	20100		76.5	250	500	04/07/2018 21:17	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 22:33	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 22:33	WG1093670
1,2,4-Trimethylbenzene	3.07	J+	0.123	0.500	1	04/04/2018 22:33	WG1093670
1,2,3-Trimethylbenzene	1.61	J+	0.0739	0.500	1	04/04/2018 22:33	WG1093670
1,3,5-Trimethylbenzene	0.906	J+	0.124	0.500	1	04/04/2018 22:33	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 22:33	WG1093670
Vinyl chloride	2040		59.0	250	500	04/07/2018 21:17	WG1093670
Xylenes, Total	4.55		0.316	1.50	1	04/04/2018 22:33	WG1093670
(S) Toluene-d8	*127*	J1		*80.0-120*		*04/04/2018 22:33*	WG1093670
(S) Toluene-d8	*93.0*			*80.0-120*		*04/07/2018 21:17*	WG1093670
(S) Dibromofluoromethane	*87.3*			*76.0-123*		*04/04/2018 22:33*	WG1093670
(S) Dibromofluoromethane	*95.1*			*76.0-123*		*04/07/2018 21:17*	WG1093670
(S) 4-Bromofluorobenzene	*80.7*			*80.0-120*		*04/04/2018 22:33*	WG1093670
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/07/2018 21:17*	WG1093670

JC 4/27/18

JC 4/23/18

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	17.7 U	J	10.5	250	10	04/04/2018 22:52	WG1093670	
Acrylonitrile	U		8.73	50.0	10	04/04/2018 22:52	WG1093670	
Benzene	U		0.896	5.00	10	04/04/2018 22:52	WG1093670	
Bromobenzene	U		1.33	5.00	10	04/04/2018 22:52	WG1093670	
Bromodichloromethane	U		0.800	5.00	10	04/04/2018 22:52	WG1093670	
Bromochloromethane	U		1.45	5.00	10	04/04/2018 22:52	WG1093670	
Bromoform	U		1.86	5.00	10	04/04/2018 22:52	WG1093670	
Bromomethane	U		1.57	25.0	10	04/04/2018 22:52	WG1093670	
n-Butylbenzene	U		1.43	5.00	10	04/04/2018 22:52	WG1093670	
sec-Butylbenzene	U		1.34	5.00	10	04/04/2018 22:52	WG1093670	
tert-Butylbenzene	U		1.83	5.00	10	04/04/2018 22:52	WG1093670	
Carbon disulfide	U		1.01	5.00	10	04/04/2018 22:52	WG1093670	
Carbon tetrachloride	U		1.59	5.00	10	04/04/2018 22:52	WG1093670	
Chlorobenzene	U		1.40	5.00	10	04/04/2018 22:52	WG1093670	
Chlorodibromomethane	U		1.28	5.00	10	04/04/2018 22:52	WG1093670	
Chloroethane	U		1.41	25.0	10	04/04/2018 22:52	WG1093670	
Chloroform	U		0.860	5.00	10	04/04/2018 22:52	WG1093670	
Chloromethane	U		1.53	12.5	10	04/04/2018 22:52	WG1093670	
2-Chlorotoluene	U		1.11	5.00	10	04/04/2018 22:52	WG1093670	
4-Chlorotoluene	U		0.972	5.00	10	04/04/2018 22:52	WG1093670	
1,2-Dibromo-3-Chloropropane	U		3.25	25.0	10	04/04/2018 22:52	WG1093670	
1,2-Dibromoethane	U		1.93	5.00	10	04/04/2018 22:52	WG1093670	
Dibromomethane	U		1.17	5.00	10	04/04/2018 22:52	WG1093670	
1,2-Dichlorobenzene	U		1.01	5.00	10	04/04/2018 22:52	WG1093670	
1,3-Dichlorobenzene	U		1.30	5.00	10	04/04/2018 22:52	WG1093670	
1,4-Dichlorobenzene	U		1.21	5.00	10	04/04/2018 22:52	WG1093670	
Dichlorodifluoromethane	U		1.27	25.0	10	04/04/2018 22:52	WG1093670	
1,1-Dichloroethane	U		1.14	5.00	10	04/04/2018 22:52	WG1093670	
1,2-Dichloroethane	U		1.08	5.00	10	04/04/2018 22:52	WG1093670	
1,1-Dichloroethene	103		1.88	5.00	10	04/04/2018 22:52	WG1093670	
cis-1,2-Dichloroethene	26800		46.6	250	500	04/07/2018 21:37	WG1093670	
trans-1,2-Dichloroethene	51.3		1.52	5.00	10	04/04/2018 22:52	WG1093670	
1,2-Dichloropropane	U		1.90	5.00	10	04/04/2018 22:52	WG1093670	
1,1-Dichloropropene	U		1.28	5.00	10	04/04/2018 22:52	WG1093670	
1,3-Dichloropropane	U		1.47	10.0	10	04/04/2018 22:52	WG1093670	
cis-1,3-Dichloropropene	U		0.976	5.00	10	04/04/2018 22:52	WG1093670	
trans-1,3-Dichloropropene	U		2.22	5.00	10	04/04/2018 22:52	WG1093670	
trans-1,4-Dichloro-2-butene	U		2.57	50.0	10	04/04/2018 22:52	WG1093670	
2,2-Dichloropropane	U		0.929	5.00	10	04/04/2018 22:52	WG1093670	
Di-isopropyl ether	U		0.924	5.00	10	04/04/2018 22:52	WG1093670	
Ethylbenzene	U		1.58	5.00	10	04/04/2018 22:52	WG1093670	
Hexachloro-1,3-butadiene	U		1.57	10.0	10	04/04/2018 22:52	WG1093670	
2-Hexanone	U		7.57	50.0	10	04/04/2018 22:52	WG1093670	
n-Hexane	U UJ	J0	3.05	50.0	10	04/04/2018 22:52	WG1093670	
Iodomethane	U		3.77	100	10	04/04/2018 22:52	WG1093670	
Isopropylbenzene	U		1.26	5.00	10	04/04/2018 22:52	WG1093670	
p-Isopropyltoluene	U		1.38	5.00	10	04/04/2018 22:52	WG1093670	
2-Butanone (MEK)	U		12.8	50.0	10	04/04/2018 22:52	WG1093670	
Methylene Chloride	U		10.7	25.0	10	04/04/2018 22:52	WG1093670	
4-Methyl-2-pentanone (MIBK)	U		8.23	50.0	10	04/04/2018 22:52	WG1093670	
Methyl tert-butyl ether	U		1.02	5.00	10	04/04/2018 22:52	WG1093670	
Naphthalene	U		1.74	25.0	10	04/04/2018 22:52	WG1093670	
n-Propylbenzene	U		1.62	5.00	10	04/04/2018 22:52	WG1093670	
Styrene	U		1.17	5.00	10	04/04/2018 22:52	WG1093670	
1,1,1,2-Tetrachloroethane	U		1.20	5.00	10	04/04/2018 22:52	WG1093670	
1,1,2,2-Tetrachloroethane	U		1.30	5.00	10	04/04/2018 22:52	WG1093670	JC 4/23/18

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		1.64	5.00	10	04/04/2018 22:52	WG1093670
Tetrachloroethene	670		1.99	5.00	10	04/04/2018 22:52	WG1093670
Toluene	U		4.12	5.00	10	04/04/2018 22:52	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	1.64	5.00	10	04/04/2018 22:52	WG1093670
1,2,4-Trichlorobenzene	U		3.55	5.00	10	04/04/2018 22:52	WG1093670
1,1,1-Trichloroethane	U		0.940	5.00	10	04/04/2018 22:52	WG1093670
1,1,2-Trichloroethane	U		1.86	5.00	10	04/04/2018 22:52	WG1093670
Trichloroethene	166		1.53	5.00	10	04/04/2018 22:52	WG1093670
Trichlorofluoromethane	U		1.30	25.0	10	04/04/2018 22:52	WG1093670
1,2,3-Trichloropropane	U		2.47	25.0	10	04/04/2018 22:52	WG1093670
1,2,4-Trimethylbenzene	U		1.23	5.00	10	04/04/2018 22:52	WG1093670
1,2,3-Trimethylbenzene	U		0.739	5.00	10	04/04/2018 22:52	WG1093670
1,3,5-Trimethylbenzene	U		1.24	5.00	10	04/04/2018 22:52	WG1093670
Vinyl acetate	U	UJ J0	6.45	50.0	10	04/04/2018 22:52	WG1093670
Vinyl chloride	7350		59.0	250	500	04/07/2018 21:37	WG1093670
Xylenes, Total	U		3.16	15.0	10	04/04/2018 22:52	WG1093670
(S) Toluene-d8	*95.3*			*80.0-120*		*04/07/2018 21:37*	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 22:52*	WG1093670
(S) Dibromofluoromethane	*96.8*			*76.0-123*		*04/07/2018 21:37*	WG1093670
(S) Dibromofluoromethane	*92.7*			*76.0-123*		*04/04/2018 22:52*	WG1093670
(S) 4-Bromofluorobenzene	*99.3*			*80.0-120*		*04/07/2018 21:37*	WG1093670
(S) 4-Bromofluorobenzene	*80.8*			*80.0-120*		*04/04/2018 22:52*	WG1093670

Sample Narrative:

L982159-17 WG1093670: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.01 U	J	1.05	25.0	1	04/04/2018 23:10	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 23:10	WG1093670
Benzene	0.208 J	J	0.0896	0.500	1	04/04/2018 23:10	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 23:10	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 23:10	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 23:10	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 23:10	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 23:10	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 23:10	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 23:10	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 23:10	WG1093670
Carbon disulfide	0.734		0.101	0.500	1	04/04/2018 23:10	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 23:10	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 23:10	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 23:10	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 23:10	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 23:10	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 23:10	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 23:10	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 23:10	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 23:10	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 23:10	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 23:10	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 23:10	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 23:10	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 23:10	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 23:10	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 23:10	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 23:10	WG1093670
1,1-Dichloroethene	64.8		0.188	0.500	1	04/04/2018 23:10	WG1093670
cis-1,2-Dichloroethene	6830		9.33	50.0	100	04/07/2018 21:56	WG1093670
trans-1,2-Dichloroethene	9.44		0.152	0.500	1	04/04/2018 23:10	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 23:10	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 23:10	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 23:10	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 23:10	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 23:10	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 23:10	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 23:10	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 23:10	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 23:10	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 23:10	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 23:10	WG1093670
n-Hexane	U UJ	J0	0.305	5.00	1	04/04/2018 23:10	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 23:10	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 23:10	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 23:10	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 23:10	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 23:10	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 23:10	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 23:10	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 23:10	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 23:10	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 23:10	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 23:10	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 23:10	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 23:10	WG1093670
Tetrachloroethene	721		19.9	50.0	100	04/07/2018 21:56	WG1093670
Toluene	1.54		0.412	0.500	1	04/04/2018 23:10	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 23:10	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 23:10	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 23:10	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 23:10	WG1093670
Trichloroethene	1020		15.3	50.0	100	04/07/2018 21:56	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 23:10	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 23:10	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 23:10	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 23:10	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 23:10	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 23:10	WG1093670
Vinyl chloride	111		0.118	0.500	1	04/04/2018 23:10	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 23:10	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 23:10*	WG1093670
(S) Toluene-d8	*94.6*			*80.0-120*		*04/07/2018 21:56*	WG1093670
(S) Dibromofluoromethane	*93.7*			*76.0-123*		*04/04/2018 23:10*	WG1093670
(S) Dibromofluoromethane	*94.6*			*76.0-123*		*04/07/2018 21:56*	WG1093670
(S) 4-Bromofluorobenzene	*99.3*			*80.0-120*		*04/07/2018 21:56*	WG1093670
(S) 4-Bromofluorobenzene	*80.1*			*80.0-120*		*04/04/2018 23:10*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.11 U	J	1.05	25.0	1	04/04/2018 23:29	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 23:29	WG1093670
Benzene	0.198 J	J	0.0896	0.500	1	04/04/2018 23:29	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 23:29	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 23:29	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 23:29	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 23:29	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 23:29	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 23:29	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 23:29	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 23:29	WG1093670
Carbon disulfide	0.803		0.101	0.500	1	04/04/2018 23:29	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 23:29	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 23:29	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 23:29	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 23:29	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 23:29	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 23:29	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 23:29	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 23:29	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 23:29	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 23:29	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 23:29	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 23:29	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 23:29	WG1093670
1,1-Dichloroethane	0.143 J	J	0.114	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 23:29	WG1093670
1,1-Dichloroethene	69.0		0.188	0.500	1	04/04/2018 23:29	WG1093670
cis-1,2-Dichloroethene	6690		9.33	50.0	100	04/07/2018 22:16	WG1093670
trans-1,2-Dichloroethene	10.2		0.152	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 23:29	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 23:29	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 23:29	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 23:29	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 23:29	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 23:29	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 23:29	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 23:29	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 23:29	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 23:29	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 23:29	WG1093670
n-Hexane	U UJ	J0	0.305	5.00	1	04/04/2018 23:29	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 23:29	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 23:29	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 23:29	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 23:29	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 23:29	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 23:29	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 23:29	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 23:29	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 23:29	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 23:29	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 23:29	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 23:29	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/04/2018 23:29	WG1093670
Tetrachloroethene	678			19.9	50.0	100	04/07/2018 22:16	WG1093670
Toluene	1.53			0.412	0.500	1	04/04/2018 23:29	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 23:29	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 23:29	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 23:29	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 23:29	WG1093670
Trichloroethene	1020			15.3	50.0	100	04/07/2018 22:16	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 23:29	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 23:29	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 23:29	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 23:29	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 23:29	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 23:29	WG1093670
Vinyl chloride	111			0.118	0.500	1	04/04/2018 23:29	WG1093670
Xylenes, Total	U			0.316	1.50	1	04/04/2018 23:29	WG1093670
(S) Toluene-d8	*92.4*				*80.0-120*		*04/07/2018 22:16*	WG1093670
(S) Toluene-d8	*103*				*80.0-120*		*04/04/2018 23:29*	WG1093670
(S) Dibromofluoromethane	*93.5*				*76.0-123*		*04/04/2018 23:29*	WG1093670
(S) Dibromofluoromethane	*93.8*				*76.0-123*		*04/07/2018 22:16*	WG1093670
(S) 4-Bromofluorobenzene	*78.0*		J2		*80.0-120*		*04/04/2018 23:29*	WG1093670
(S) 4-Bromofluorobenzene	*99.5*				*80.0-120*		*04/07/2018 22:16*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	10.0	J	1.05	25.0	1	04/04/2018 17:32	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 17:32	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 17:32	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 17:32	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 17:32	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 17:32	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 17:32	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 17:32	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 17:32	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 17:32	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 17:32	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 17:32	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 17:32	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 17:32	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 17:32	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 17:32	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 17:32	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 17:32	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 17:32	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 17:32	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 17:32	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 17:32	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 17:32	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 17:32	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 17:32	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 17:32	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 17:32	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 17:32	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 17:32	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 17:32	WG1093670
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/04/2018 17:32	WG1093670
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/04/2018 17:32	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 17:32	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 17:32	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 17:32	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 17:32	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 17:32	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 17:32	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 17:32	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 17:32	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 17:32	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 17:32	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 17:32	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 17:32	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 17:32	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 17:32	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 17:32	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 17:32	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 17:32	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 17:32	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 17:32	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 17:32	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 17:32	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 17:32	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 17:32	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 17:32	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 17:32	WG1093670
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 17:32	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 17:32	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 17:32	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 17:32	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 17:32	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 17:32	WG1093670
Trichloroethene	U		0.153	0.500	1	04/04/2018 17:32	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 17:32	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 17:32	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 17:32	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 17:32	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 17:32	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 17:32	WG1093670
Vinyl chloride	U		0.118	0.500	1	04/04/2018 17:32	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 17:32	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 17:32*	WG1093670
(S) Dibromofluoromethane	*93.2*			*76.0-123*		*04/04/2018 17:32*	WG1093670
(S) 4-Bromofluorobenzene	*80.9*			*80.0-120*		*04/04/2018 17:32*	WG1093670

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

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	4.66	U	J	1.05	25.0	1	04/04/2018 18:29	WG1093670
Acrylonitrile	U	UJ		0.873	5.00	1	04/04/2018 18:29	WG1093670
Benzene	U			0.0896	0.500	1	04/04/2018 18:29	WG1093670
Bromobenzene	U			0.133	0.500	1	04/04/2018 18:29	WG1093670
Bromodichloromethane	U			0.0800	0.500	1	04/04/2018 18:29	WG1093670
Bromochloromethane	U			0.145	0.500	1	04/04/2018 18:29	WG1093670
Bromoform	U			0.186	0.500	1	04/04/2018 18:29	WG1093670
Bromomethane	U			0.157	2.50	1	04/04/2018 18:29	WG1093670
n-Butylbenzene	U			0.143	0.500	1	04/04/2018 18:29	WG1093670
sec-Butylbenzene	U			0.134	0.500	1	04/04/2018 18:29	WG1093670
tert-Butylbenzene	U			0.183	0.500	1	04/04/2018 18:29	WG1093670
Carbon disulfide	0.944	J-		0.101	0.500	1	04/04/2018 18:29	WG1093670
Carbon tetrachloride	U	UJ		0.159	0.500	1	04/04/2018 18:29	WG1093670
Chlorobenzene	U			0.140	0.500	1	04/04/2018 18:29	WG1093670
Chlorodibromomethane	U			0.128	0.500	1	04/04/2018 18:29	WG1093670
Chloroethane	0.292	J-	J	0.141	2.50	1	04/04/2018 18:29	WG1093670
Chloroform	U	UJ		0.0860	0.500	1	04/04/2018 18:29	WG1093670
Chloromethane	U			0.153	1.25	1	04/04/2018 18:29	WG1093670
2-Chlorotoluene	U			0.111	0.500	1	04/04/2018 18:29	WG1093670
4-Chlorotoluene	U			0.0972	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/04/2018 18:29	WG1093670
1,2-Dibromoethane	U			0.193	0.500	1	04/04/2018 18:29	WG1093670
Dibromomethane	U			0.117	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dichlorobenzene	U			0.101	0.500	1	04/04/2018 18:29	WG1093670
1,3-Dichlorobenzene	U			0.130	0.500	1	04/04/2018 18:29	WG1093670
1,4-Dichlorobenzene	U			0.121	0.500	1	04/04/2018 18:29	WG1093670
Dichlorodifluoromethane	U			0.127	2.50	1	04/04/2018 18:29	WG1093670
1,1-Dichloroethane	U			0.114	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dichloroethane	U			0.108	0.500	1	04/04/2018 18:29	WG1093670
1,1-Dichloroethene	U			0.188	0.500	1	04/04/2018 18:29	WG1093670
cis-1,2-Dichloroethene	4.60			0.0933	0.500	1	04/07/2018 17:43	WG1093670
trans-1,2-Dichloroethene	U	UJ		0.152	0.500	1	04/04/2018 18:29	WG1093670
1,2-Dichloropropane	U			0.190	0.500	1	04/04/2018 18:29	WG1093670
1,1-Dichloropropene	U			0.128	0.500	1	04/04/2018 18:29	WG1093670
1,3-Dichloropropane	U			0.147	1.00	1	04/04/2018 18:29	WG1093670
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/04/2018 18:29	WG1093670
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/04/2018 18:29	WG1093670
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/04/2018 18:29	WG1093670
2,2-Dichloropropane	U			0.0929	0.500	1	04/04/2018 18:29	WG1093670
Di-isopropyl ether	U			0.0924	0.500	1	04/04/2018 18:29	WG1093670
Ethylbenzene	U			0.158	0.500	1	04/04/2018 18:29	WG1093670
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/04/2018 18:29	WG1093670
2-Hexanone	U			0.757	5.00	1	04/04/2018 18:29	WG1093670
n-Hexane	U	UJ	JO	0.305	5.00	1	04/04/2018 18:29	WG1093670
Iodomethane	U	UJ		0.377	10.0	1	04/04/2018 18:29	WG1093670
Isopropylbenzene	U			0.126	0.500	1	04/04/2018 18:29	WG1093670
p-Isopropyltoluene	U			0.138	0.500	1	04/04/2018 18:29	WG1093670
2-Butanone (MEK)	1.43	J-	J	1.28	5.00	1	04/04/2018 18:29	WG1093670
Methylene Chloride	U	UJ		1.07	2.50	1	04/04/2018 18:29	WG1093670
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/04/2018 18:29	WG1093670
Methyl tert-butyl ether	U			0.102	0.500	1	04/04/2018 18:29	WG1093670
Naphthalene	0.208	J-	J	0.174	2.50	1	04/04/2018 18:29	WG1093670
n-Propylbenzene	U	UJ		0.162	0.500	1	04/04/2018 18:29	WG1093670
Styrene	U			0.117	0.500	1	04/04/2018 18:29	WG1093670
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/04/2018 18:29	WG1093670
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/04/2018 18:29	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U	UJ	0.164	0.500	1	04/04/2018 18:29	WG1093670
Tetrachloroethene	0.437	J- J	0.199	0.500	1	04/04/2018 18:29	WG1093670
Toluene	U	UJ	0.412	0.500	1	04/04/2018 18:29	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 18:29	WG1093670
1,2,4-Trichlorobenzene	U	UJ	0.355	0.500	1	04/04/2018 18:29	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 18:29	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 18:29	WG1093670
Trichloroethene	0.817	J-	0.153	0.500	1	04/04/2018 18:29	WG1093670
Trichlorofluoromethane	U	UJ	0.130	2.50	1	04/04/2018 18:29	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 18:29	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 18:29	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 18:29	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 18:29	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 18:29	WG1093670
Vinyl chloride	20.5		0.118	0.500	1	04/07/2018 17:43	WG1093670
Xylenes, Total	U	UJ	0.316	1.50	1	04/04/2018 18:29	WG1093670
(S) Toluene-d8	*105*			*80.0-120*		*04/04/2018 18:29*	WG1093670
(S) Toluene-d8	*95.5*			*80.0-120*		*04/07/2018 17:43*	WG1093670
(S) Dibromofluoromethane	*85.6*			*76.0-123*		*04/04/2018 18:29*	WG1093670
(S) Dibromofluoromethane	*95.4*			*76.0-123*		*04/07/2018 17:43*	WG1093670
(S) 4-Bromofluorobenzene	*99.3*			*80.0-120*		*04/07/2018 17:43*	WG1093670
(S) 4-Bromofluorobenzene	*79.5*	J2		*80.0-120*		*04/04/2018 18:29*	WG1093670

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

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.64	U	J	1.05	25.0	1	04/04/2018 18:47	WG1093670
Acrylonitrile	U	UJ		0.873	5.00	1	04/04/2018 18:47	WG1093670
Benzene	0.157	J-	J	0.0896	0.500	1	04/04/2018 18:47	WG1093670
Bromobenzene	U	UJ		0.133	0.500	1	04/04/2018 18:47	WG1093670
Bromodichloromethane	U			0.0800	0.500	1	04/04/2018 18:47	WG1093670
Bromochloromethane	U			0.145	0.500	1	04/04/2018 18:47	WG1093670
Bromoform	U			0.186	0.500	1	04/04/2018 18:47	WG1093670
Bromomethane	U			0.157	2.50	1	04/04/2018 18:47	WG1093670
n-Butylbenzene	U			0.143	0.500	1	04/04/2018 18:47	WG1093670
sec-Butylbenzene	U			0.134	0.500	1	04/04/2018 18:47	WG1093670
tert-Butylbenzene	U			0.183	0.500	1	04/04/2018 18:47	WG1093670
Carbon disulfide	U			0.101	0.500	1	04/04/2018 18:47	WG1093670
Carbon tetrachloride	U			0.159	0.500	1	04/04/2018 18:47	WG1093670
Chlorobenzene	U			0.140	0.500	1	04/04/2018 18:47	WG1093670
Chlorodibromomethane	U			0.128	0.500	1	04/04/2018 18:47	WG1093670
Chloroethane	U			0.141	2.50	1	04/04/2018 18:47	WG1093670
Chloroform	U			0.0860	0.500	1	04/04/2018 18:47	WG1093670
Chloromethane	U			0.153	1.25	1	04/04/2018 18:47	WG1093670
2-Chlorotoluene	U			0.111	0.500	1	04/04/2018 18:47	WG1093670
4-Chlorotoluene	U			0.0972	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/04/2018 18:47	WG1093670
1,2-Dibromoethane	U			0.193	0.500	1	04/04/2018 18:47	WG1093670
Dibromomethane	U			0.117	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dichlorobenzene	U			0.101	0.500	1	04/04/2018 18:47	WG1093670
1,3-Dichlorobenzene	U			0.130	0.500	1	04/04/2018 18:47	WG1093670
1,4-Dichlorobenzene	U			0.121	0.500	1	04/04/2018 18:47	WG1093670
Dichlorodifluoromethane	U			0.127	2.50	1	04/04/2018 18:47	WG1093670
1,1-Dichloroethane	U			0.114	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dichloroethane	U			0.108	0.500	1	04/04/2018 18:47	WG1093670
1,1-Dichloroethene	U			0.188	0.500	1	04/04/2018 18:47	WG1093670
cis-1,2-Dichloroethene	10.5	J-		0.0933	0.500	1	04/04/2018 18:47	WG1093670
trans-1,2-Dichloroethene	0.419	J-	J	0.152	0.500	1	04/04/2018 18:47	WG1093670
1,2-Dichloropropane	U	UJ		0.190	0.500	1	04/04/2018 18:47	WG1093670
1,1-Dichloropropene	U			0.128	0.500	1	04/04/2018 18:47	WG1093670
1,3-Dichloropropane	U			0.147	1.00	1	04/04/2018 18:47	WG1093670
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/04/2018 18:47	WG1093670
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/04/2018 18:47	WG1093670
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/04/2018 18:47	WG1093670
2,2-Dichloropropane	U			0.0929	0.500	1	04/04/2018 18:47	WG1093670
Di-isopropyl ether	U			0.0924	0.500	1	04/04/2018 18:47	WG1093670
Ethylbenzene	U			0.158	0.500	1	04/04/2018 18:47	WG1093670
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/04/2018 18:47	WG1093670
2-Hexanone	U			0.757	5.00	1	04/04/2018 18:47	WG1093670
n-Hexane	U	UJ	J0	0.305	5.00	1	04/04/2018 18:47	WG1093670
Iodomethane	U	UJ		0.377	10.0	1	04/04/2018 18:47	WG1093670
Isopropylbenzene	U			0.126	0.500	1	04/04/2018 18:47	WG1093670
p-Isopropyltoluene	U			0.138	0.500	1	04/04/2018 18:47	WG1093670
2-Butanone (MEK)	U			1.28	5.00	1	04/04/2018 18:47	WG1093670
Methylene Chloride	U			1.07	2.50	1	04/04/2018 18:47	WG1093670
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/04/2018 18:47	WG1093670
Methyl tert-butyl ether	U			0.102	0.500	1	04/04/2018 18:47	WG1093670
Naphthalene	U			0.174	2.50	1	04/04/2018 18:47	WG1093670
n-Propylbenzene	U			0.162	0.500	1	04/04/2018 18:47	WG1093670
Styrene	U			0.117	0.500	1	04/04/2018 18:47	WG1093670
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/04/2018 18:47	WG1093670
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/04/2018 18:47	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U	UJ	0.164	0.500	1	04/04/2018 18:47	WG1093670
Tetrachloroethene	U		0.199	0.500	1	04/04/2018 18:47	WG1093670
Toluene	U		0.412	0.500	1	04/04/2018 18:47	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 18:47	WG1093670
1,2,4-Trichlorobenzene	U	UJ		0.355	0.500	1	04/04/2018 18:47	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 18:47	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 18:47	WG1093670
Trichloroethene	U			0.153	0.500	1	04/04/2018 18:47	WG1093670
Trichlorofluoromethane	U			0.130	2.50	1	04/04/2018 18:47	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 18:47	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 18:47	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 18:47	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 18:47	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 18:47	WG1093670
Vinyl chloride	55.9	J-		0.118	0.500	1	04/04/2018 18:47	WG1093670
Xylenes, Total	U	UJ		0.316	1.50	1	04/04/2018 18:47	WG1093670
(S) Toluene-d8	*105*				*80.0-120*		*04/04/2018 18:47*	WG1093670
(S) Dibromofluoromethane	*92.7*				*76.0-123*		*04/04/2018 18:47*	WG1093670
(S) 4-Bromofluorobenzene	*77.9*		J2		*80.0-120*		*04/04/2018 18:47*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.01	U J	1.05	25.0	1	04/04/2018 19:25	WG1093670
Acrylonitrile	U	UJ	0.873	5.00	1	04/04/2018 19:25	WG1093670
Benzene	0.205	J J	0.0896	0.500	1	04/04/2018 19:25	WG1093670
Bromobenzene	U	UJ	0.133	0.500	1	04/04/2018 19:25	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 19:25	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 19:25	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 19:25	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 19:25	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 19:25	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 19:25	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 19:25	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 19:25	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 19:25	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 19:25	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 19:25	WG1093670
Chloroethane	17.2	J-	0.141	2.50	1	04/04/2018 19:25	WG1093670
Chloroform	0.526	J-	0.0860	0.500	1	04/04/2018 19:25	WG1093670
Chloromethane	U	UJ	0.153	1.25	1	04/04/2018 19:25	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 19:25	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 19:25	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 19:25	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 19:25	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 19:25	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 19:25	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 19:25	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 19:25	WG1093670
1,1-Dichloroethene	8.95	J-	0.188	0.500	1	04/04/2018 19:25	WG1093670
cis-1,2-Dichloroethene	2010		4.66	25.0	50	04/07/2018 18:22	WG1093670
trans-1,2-Dichloroethene	9.77	J-	0.152	0.500	1	04/04/2018 19:25	WG1093670
1,2-Dichloropropane	U	UJ	0.190	0.500	1	04/04/2018 19:25	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 19:25	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 19:25	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 19:25	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 19:25	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 19:25	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 19:25	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 19:25	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 19:25	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 19:25	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 19:25	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 19:25	WG1093670
Iodomethane	U	UJ	0.377	10.0	1	04/04/2018 19:25	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 19:25	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 19:25	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 19:25	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 19:25	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 19:25	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 19:25	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 19:25	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 19:25	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 19:25	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 19:25	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 19:25	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U UJ		0.164	0.500	1	04/04/2018 19:25	WG1093670
Tetrachloroethene	9470		39.8	100	200	04/08/2018 11:14	WG1093670
Toluene	0.589 J-		0.412	0.500	1	04/04/2018 19:25	WG1093670
1,2,3-Trichlorobenzene	U UJ	J0	0.164	0.500	1	04/04/2018 19:25	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 19:25	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 19:25	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 19:25	WG1093670
Trichloroethene	1100		7.65	25.0	50	04/07/2018 18:22	WG1093670
Trichlorofluoromethane	U UJ		0.130	2.50	1	04/04/2018 19:25	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 19:25	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 19:25	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 19:25	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 19:25	WG1093670
Vinyl acetate	U UJ	J0	0.645	5.00	1	04/04/2018 19:25	WG1093670
Vinyl chloride	306		5.90	25.0	50	04/07/2018 18:22	WG1093670
Xylenes, Total	U UJ		0.316	1.50	1	04/04/2018 19:25	WG1093670
(S) Toluene-d8	*96.0*			*80.0-120*		*04/08/2018 11:14*	WG1093670
(S) Toluene-d8	*95.7*			*80.0-120*		*04/07/2018 18:22*	WG1093670
(S) Toluene-d8	*101*			*80.0-120*		*04/04/2018 19:25*	WG1093670
(S) Dibromofluoromethane	*94.4*			*76.0-123*		*04/08/2018 11:14*	WG1093670
(S) Dibromofluoromethane	*91.0*			*76.0-123*		*04/04/2018 19:25*	WG1093670
(S) Dibromofluoromethane	*95.7*			*76.0-123*		*04/07/2018 18:22*	WG1093670
(S) 4-Bromofluorobenzene	*97.3*			*80.0-120*		*04/07/2018 18:22*	WG1093670
(S) 4-Bromofluorobenzene	*78.1*	J2		*80.0-120*		*04/04/2018 19:25*	WG1093670
(S) 4-Bromofluorobenzene	*98.8*			*80.0-120*		*04/08/2018 11:14*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.82	U J	1.05	25.0	1	04/04/2018 19:44	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 19:44	WG1093670
Benzene	0.158	J J	0.0896	0.500	1	04/04/2018 19:44	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 19:44	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 19:44	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 19:44	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 19:44	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 19:44	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 19:44	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 19:44	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 19:44	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 19:44	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 19:44	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 19:44	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 19:44	WG1093670
Chloroethane	15.0		0.141	2.50	1	04/04/2018 19:44	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 19:44	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 19:44	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 19:44	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 19:44	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 19:44	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 19:44	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 19:44	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 19:44	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 19:44	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 19:44	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 19:44	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 19:44	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 19:44	WG1093670
1,1-Dichloroethene	9.84		0.188	0.500	1	04/04/2018 19:44	WG1093670
cis-1,2-Dichloroethene	3170		4.66	25.0	50	04/07/2018 18:41	WG1093670
trans-1,2-Dichloroethene	10.7		0.152	0.500	1	04/04/2018 19:44	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 19:44	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 19:44	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 19:44	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 19:44	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 19:44	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 19:44	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 19:44	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 19:44	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 19:44	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 19:44	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 19:44	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 19:44	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 19:44	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 19:44	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 19:44	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 19:44	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 19:44	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 19:44	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 19:44	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 19:44	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 19:44	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 19:44	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 19:44	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 19:44	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U	UJ	0.164	0.500	1	04/04/2018 19:44	WG1093670
Tetrachloroethene	360		9.95	25.0	50	04/07/2018 18:41	WG1093670
Toluene	0.446	J	0.412	0.500	1	04/04/2018 19:44	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 19:44	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 19:44	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 19:44	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 19:44	WG1093670
Trichloroethene	459		7.65	25.0	50	04/07/2018 18:41	WG1093670
Trichlorofluoromethane	U	UJ	0.130	2.50	1	04/04/2018 19:44	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 19:44	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 19:44	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 19:44	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 19:44	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 19:44	WG1093670
Vinyl chloride	395		5.90	25.0	50	04/07/2018 18:41	WG1093670
Xylenes, Total	U	UJ	0.316	1.50	1	04/04/2018 19:44	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 19:44*	WG1093670
(S) Toluene-d8	*96.4*			*80.0-120*		*04/07/2018 18:41*	WG1093670
(S) Dibromofluoromethane	*96.9*			*76.0-123*		*04/07/2018 18:41*	WG1093670
(S) Dibromofluoromethane	*93.6*			*76.0-123*		*04/04/2018 19:44*	WG1093670
(S) 4-Bromofluorobenzene	*79.0*	J2		*80.0-120*		*04/04/2018 19:44*	WG1093670
(S) 4-Bromofluorobenzene	*96.6*			*80.0-120*		*04/07/2018 18:41*	WG1093670

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

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.31	U	J	1.05	25.0	1	04/04/2018 20:03	WG1093670
Acrylonitrile	U			0.873	5.00	1	04/04/2018 20:03	WG1093670
Benzene	U			0.0896	0.500	1	04/04/2018 20:03	WG1093670
Bromobenzene	U			0.133	0.500	1	04/04/2018 20:03	WG1093670
Bromodichloromethane	U			0.0800	0.500	1	04/04/2018 20:03	WG1093670
Bromochloromethane	U			0.145	0.500	1	04/04/2018 20:03	WG1093670
Bromoform	U			0.186	0.500	1	04/04/2018 20:03	WG1093670
Bromomethane	U			0.157	2.50	1	04/04/2018 20:03	WG1093670
n-Butylbenzene	U			0.143	0.500	1	04/04/2018 20:03	WG1093670
sec-Butylbenzene	U			0.134	0.500	1	04/04/2018 20:03	WG1093670
tert-Butylbenzene	U			0.183	0.500	1	04/04/2018 20:03	WG1093670
Carbon disulfide	2.19	J-		0.101	0.500	1	04/04/2018 20:03	WG1093670
Carbon tetrachloride	U			0.159	0.500	1	04/04/2018 20:03	WG1093670
Chlorobenzene	U			0.140	0.500	1	04/04/2018 20:03	WG1093670
Chlorodibromomethane	U			0.128	0.500	1	04/04/2018 20:03	WG1093670
Chloroethane	0.372	J-	J	0.141	2.50	1	04/04/2018 20:03	WG1093670
Chloroform	0.511	J-		0.0860	0.500	1	04/04/2018 20:03	WG1093670
Chloromethane	U			0.153	1.25	1	04/04/2018 20:03	WG1093670
2-Chlorotoluene	U			0.111	0.500	1	04/04/2018 20:03	WG1093670
4-Chlorotoluene	U			0.0972	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/04/2018 20:03	WG1093670
1,2-Dibromoethane	U			0.193	0.500	1	04/04/2018 20:03	WG1093670
Dibromomethane	U			0.117	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dichlorobenzene	U			0.101	0.500	1	04/04/2018 20:03	WG1093670
1,3-Dichlorobenzene	U			0.130	0.500	1	04/04/2018 20:03	WG1093670
1,4-Dichlorobenzene	U			0.121	0.500	1	04/04/2018 20:03	WG1093670
Dichlorodifluoromethane	U			0.127	2.50	1	04/04/2018 20:03	WG1093670
1,1-Dichloroethane	U			0.114	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dichloroethane	U			0.108	0.500	1	04/04/2018 20:03	WG1093670
1,1-Dichloroethene	U			0.188	0.500	1	04/04/2018 20:03	WG1093670
cis-1,2-Dichloroethene	12.7			0.0933	0.500	1	04/07/2018 19:01	WG1093670
trans-1,2-Dichloroethene	U			0.152	0.500	1	04/04/2018 20:03	WG1093670
1,2-Dichloropropane	U			0.190	0.500	1	04/04/2018 20:03	WG1093670
1,1-Dichloropropene	U			0.128	0.500	1	04/04/2018 20:03	WG1093670
1,3-Dichloropropane	U			0.147	1.00	1	04/04/2018 20:03	WG1093670
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/04/2018 20:03	WG1093670
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/04/2018 20:03	WG1093670
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/04/2018 20:03	WG1093670
2,2-Dichloropropane	U			0.0929	0.500	1	04/04/2018 20:03	WG1093670
Di-isopropyl ether	U			0.0924	0.500	1	04/04/2018 20:03	WG1093670
Ethylbenzene	U			0.158	0.500	1	04/04/2018 20:03	WG1093670
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/04/2018 20:03	WG1093670
2-Hexanone	U			0.757	5.00	1	04/04/2018 20:03	WG1093670
n-Hexane	U	UJ	J0	0.305	5.00	1	04/04/2018 20:03	WG1093670
Iodomethane	U			0.377	10.0	1	04/04/2018 20:03	WG1093670
Isopropylbenzene	U			0.126	0.500	1	04/04/2018 20:03	WG1093670
p-Isopropyltoluene	U			0.138	0.500	1	04/04/2018 20:03	WG1093670
2-Butanone (MEK)	U			1.28	5.00	1	04/04/2018 20:03	WG1093670
Methylene Chloride	U			1.07	2.50	1	04/04/2018 20:03	WG1093670
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/04/2018 20:03	WG1093670
Methyl tert-butyl ether	U			0.102	0.500	1	04/04/2018 20:03	WG1093670
Naphthalene	U			0.174	2.50	1	04/04/2018 20:03	WG1093670
n-Propylbenzene	U			0.162	0.500	1	04/04/2018 20:03	WG1093670
Styrene	U			0.117	0.500	1	04/04/2018 20:03	WG1093670
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/04/2018 20:03	WG1093670
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/04/2018 20:03	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U	UJ	0.164	0.500	1	04/04/2018 20:03	WG1093670
Tetrachloroethene	5.07		0.199	0.500	1	04/07/2018 19:01	WG1093670
Toluene	0.524	J-	0.412	0.500	1	04/04/2018 20:03	WG1093670
1,2,3-Trichlorobenzene	U	UJ J0	0.164	0.500	1	04/04/2018 20:03	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 20:03	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 20:03	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 20:03	WG1093670
Trichloroethene	56.5		0.153	0.500	1	04/07/2018 19:01	WG1093670
Trichlorofluoromethane	U	UJ	0.130	2.50	1	04/04/2018 20:03	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 20:03	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 20:03	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 20:03	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 20:03	WG1093670
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/04/2018 20:03	WG1093670
Vinyl chloride	1.69		0.118	0.500	1	04/07/2018 19:01	WG1093670
Xylenes, Total	U	UJ	0.316	1.50	1	04/04/2018 20:03	WG1093670
(S) Toluene-d8	*104*			*80.0-120*		*04/04/2018 20:03*	WG1093670
(S) Toluene-d8	*95.2*			*80.0-120*		*04/07/2018 19:01*	WG1093670
(S) Dibromofluoromethane	*92.4*			*76.0-123*		*04/04/2018 20:03*	WG1093670
(S) Dibromofluoromethane	*93.9*			*76.0-123*		*04/07/2018 19:01*	WG1093670
(S) 4-Bromofluorobenzene	*78.3*	J2		*80.0-120*		*04/04/2018 20:03*	WG1093670
(S) 4-Bromofluorobenzene	*99.7*			*80.0-120*		*04/07/2018 19:01*	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.02	U J	1.05	25.0	1	04/04/2018 20:21	WG1093670
Acrylonitrile	U	UJ	0.873	5.00	1	04/04/2018 20:21	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 20:21	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:21	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:21	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:21	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 20:21	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 20:21	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:21	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:21	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:21	WG1093670
Carbon disulfide	3.06	J-	0.101	0.500	1	04/04/2018 20:21	WG1093670
Carbon tetrachloride	U	UJ	0.159	0.500	1	04/04/2018 20:21	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:21	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:21	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 20:21	WG1093670
Chloroform	0.242	J- J	0.0860	0.500	1	04/04/2018 20:21	WG1093670
Chloromethane	U	UJ	0.153	1.25	1	04/04/2018 20:21	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:21	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:21	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:21	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:21	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:21	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:21	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:21	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:21	WG1093670
1,1-Dichloroethene	U		0.188	0.500	1	04/04/2018 20:21	WG1093670
cis-1,2-Dichloroethene	5.29		0.0933	0.500	1	04/07/2018 19:20	WG1093670
trans-1,2-Dichloroethene	U	UJ	0.152	0.500	1	04/04/2018 20:21	WG1093670
1,2-Dichloropropane	U		0.190	0.500	1	04/04/2018 20:21	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:21	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:21	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:21	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:21	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:21	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:21	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:21	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:21	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:21	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:21	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 20:21	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 20:21	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:21	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:21	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:21	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:21	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:21	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:21	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 20:21	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:21	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 20:21	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:21	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:21	WG1093670

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U	UJ	0.164	0.500	1	04/04/2018 20:21	WG1093670
Tetrachloroethene	2.86		0.199	0.500	1	04/07/2018 19:20	WG1093670
Toluene	0.604	J-	0.412	0.500	1	04/04/2018 20:21	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 20:21	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 20:21	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 20:21	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 20:21	WG1093670
Trichloroethene	0.653			0.153	0.500	1	04/07/2018 19:20	WG1093670
Trichlorofluoromethane	U	UJ		0.130	2.50	1	04/04/2018 20:21	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 20:21	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 20:21	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 20:21	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 20:21	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 20:21	WG1093670
Vinyl chloride	2.56			0.118	0.500	1	04/07/2018 19:20	WG1093670
Xylenes, Total	U	UJ		0.316	1.50	1	04/04/2018 20:21	WG1093670
(S) Toluene-d8	*104*				*80.0-120*		*04/04/2018 20:21*	WG1093670
(S) Toluene-d8	*96.9*				*80.0-120*		*04/07/2018 19:20*	WG1093670
(S) Dibromofluoromethane	*92.2*				*76.0-123*		*04/07/2018 19:20*	WG1093670
(S) Dibromofluoromethane	*93.0*				*76.0-123*		*04/04/2018 20:21*	WG1093670
(S) 4-Bromofluorobenzene	*79.4*		J2		*80.0-120*		*04/04/2018 20:21*	WG1093670
(S) 4-Bromofluorobenzene	*99.5*				*80.0-120*		*04/07/2018 19:20*	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ	1.05	25.0	1	04/04/2018 20:40	WG1093670
Acrylonitrile	U		0.873	5.00	1	04/04/2018 20:40	WG1093670
Benzene	U		0.0896	0.500	1	04/04/2018 20:40	WG1093670
Bromobenzene	U		0.133	0.500	1	04/04/2018 20:40	WG1093670
Bromodichloromethane	U		0.0800	0.500	1	04/04/2018 20:40	WG1093670
Bromochloromethane	U		0.145	0.500	1	04/04/2018 20:40	WG1093670
Bromoform	U		0.186	0.500	1	04/04/2018 20:40	WG1093670
Bromomethane	U		0.157	2.50	1	04/04/2018 20:40	WG1093670
n-Butylbenzene	U		0.143	0.500	1	04/04/2018 20:40	WG1093670
sec-Butylbenzene	U		0.134	0.500	1	04/04/2018 20:40	WG1093670
tert-Butylbenzene	U		0.183	0.500	1	04/04/2018 20:40	WG1093670
Carbon disulfide	U		0.101	0.500	1	04/04/2018 20:40	WG1093670
Carbon tetrachloride	U		0.159	0.500	1	04/04/2018 20:40	WG1093670
Chlorobenzene	U		0.140	0.500	1	04/04/2018 20:40	WG1093670
Chlorodibromomethane	U		0.128	0.500	1	04/04/2018 20:40	WG1093670
Chloroethane	U		0.141	2.50	1	04/04/2018 20:40	WG1093670
Chloroform	U		0.0860	0.500	1	04/04/2018 20:40	WG1093670
Chloromethane	U		0.153	1.25	1	04/04/2018 20:40	WG1093670
2-Chlorotoluene	U		0.111	0.500	1	04/04/2018 20:40	WG1093670
4-Chlorotoluene	U		0.0972	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/04/2018 20:40	WG1093670
1,2-Dibromoethane	U		0.193	0.500	1	04/04/2018 20:40	WG1093670
Dibromomethane	U		0.117	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dichlorobenzene	U		0.101	0.500	1	04/04/2018 20:40	WG1093670
1,3-Dichlorobenzene	U		0.130	0.500	1	04/04/2018 20:40	WG1093670
1,4-Dichlorobenzene	U		0.121	0.500	1	04/04/2018 20:40	WG1093670
Dichlorodifluoromethane	U		0.127	2.50	1	04/04/2018 20:40	WG1093670
1,1-Dichloroethane	U		0.114	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dichloroethane	U		0.108	0.500	1	04/04/2018 20:40	WG1093670
1,1-Dichloroethene	0.201	J- J	0.188	0.500	1	04/04/2018 20:40	WG1093670
cis-1,2-Dichloroethene	103	J-	0.0933	0.500	1	04/04/2018 20:40	WG1093670
trans-1,2-Dichloroethene	0.305	J- J	0.152	0.500	1	04/04/2018 20:40	WG1093670
1,2-Dichloropropane	U	UJ	0.190	0.500	1	04/04/2018 20:40	WG1093670
1,1-Dichloropropene	U		0.128	0.500	1	04/04/2018 20:40	WG1093670
1,3-Dichloropropane	U		0.147	1.00	1	04/04/2018 20:40	WG1093670
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/04/2018 20:40	WG1093670
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/04/2018 20:40	WG1093670
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/04/2018 20:40	WG1093670
2,2-Dichloropropane	U		0.0929	0.500	1	04/04/2018 20:40	WG1093670
Di-isopropyl ether	U		0.0924	0.500	1	04/04/2018 20:40	WG1093670
Ethylbenzene	U		0.158	0.500	1	04/04/2018 20:40	WG1093670
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/04/2018 20:40	WG1093670
2-Hexanone	U		0.757	5.00	1	04/04/2018 20:40	WG1093670
n-Hexane	U	UJ J0	0.305	5.00	1	04/04/2018 20:40	WG1093670
Iodomethane	U		0.377	10.0	1	04/04/2018 20:40	WG1093670
Isopropylbenzene	U		0.126	0.500	1	04/04/2018 20:40	WG1093670
p-Isopropyltoluene	U		0.138	0.500	1	04/04/2018 20:40	WG1093670
2-Butanone (MEK)	U		1.28	5.00	1	04/04/2018 20:40	WG1093670
Methylene Chloride	U		1.07	2.50	1	04/04/2018 20:40	WG1093670
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/04/2018 20:40	WG1093670
Methyl tert-butyl ether	U		0.102	0.500	1	04/04/2018 20:40	WG1093670
Naphthalene	U		0.174	2.50	1	04/04/2018 20:40	WG1093670
n-Propylbenzene	U		0.162	0.500	1	04/04/2018 20:40	WG1093670
Styrene	U		0.117	0.500	1	04/04/2018 20:40	WG1093670
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/04/2018 20:40	WG1093670
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/04/2018 20:40	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U	UJ	0.164	0.500	1	04/04/2018 20:40	WG1093670
Tetrachloroethene	1.12	J-	0.199	0.500	1	04/04/2018 20:40	WG1093670
Toluene	U	UJ	0.412	0.500	1	04/04/2018 20:40	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 20:40	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 20:40	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 20:40	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 20:40	WG1093670
Trichloroethene	0.192	J-	J	0.153	0.500	1	04/04/2018 20:40	WG1093670
Trichlorofluoromethane	U	UJ		0.130	2.50	1	04/04/2018 20:40	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 20:40	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 20:40	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 20:40	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 20:40	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 20:40	WG1093670
Vinyl chloride	168	J-		0.118	0.500	1	04/04/2018 20:40	WG1093670
Xylenes, Total	U	UJ		0.316	1.50	1	04/04/2018 20:40	WG1093670
(S) Toluene-d8	*106*				*80.0-120*		*04/04/2018 20:40*	WG1093670
(S) Dibromofluoromethane	*87.8*				*76.0-123*		*04/04/2018 20:40*	WG1093670
(S) 4-Bromofluorobenzene	*79.0*	J2			*80.0-120*		*04/04/2018 20:40*	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Acetone	3.13	U	J	1.05	25.0	1	04/04/2018 20:59	WG1093670
Acrylonitrile	U	UJ		0.873	5.00	1	04/04/2018 20:59	WG1093670
Benzene	U			0.0896	0.500	1	04/04/2018 20:59	WG1093670
Bromobenzene	U			0.133	0.500	1	04/04/2018 20:59	WG1093670
Bromodichloromethane	U			0.0800	0.500	1	04/04/2018 20:59	WG1093670
Bromochloromethane	U			0.145	0.500	1	04/04/2018 20:59	WG1093670
Bromoform	U			0.186	0.500	1	04/04/2018 20:59	WG1093670
Bromomethane	U			0.157	2.50	1	04/04/2018 20:59	WG1093670
n-Butylbenzene	U			0.143	0.500	1	04/04/2018 20:59	WG1093670
sec-Butylbenzene	U			0.134	0.500	1	04/04/2018 20:59	WG1093670
tert-Butylbenzene	U			0.183	0.500	1	04/04/2018 20:59	WG1093670
Carbon disulfide	0.447	J-	J	0.101	0.500	1	04/04/2018 20:59	WG1093670
Carbon tetrachloride	U	UJ		0.159	0.500	1	04/04/2018 20:59	WG1093670
Chlorobenzene	U			0.140	0.500	1	04/04/2018 20:59	WG1093670
Chlorodibromomethane	U			0.128	0.500	1	04/04/2018 20:59	WG1093670
Chloroethane	U			0.141	2.50	1	04/04/2018 20:59	WG1093670
Chloroform	U			0.0860	0.500	1	04/04/2018 20:59	WG1093670
Chloromethane	U			0.153	1.25	1	04/04/2018 20:59	WG1093670
2-Chlorotoluene	U			0.111	0.500	1	04/04/2018 20:59	WG1093670
4-Chlorotoluene	U			0.0972	0.500	1	04/04/2018 20:59	WG1093670
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/04/2018 20:59	WG1093670
1,2-Dibromoethane	U			0.193	0.500	1	04/04/2018 20:59	WG1093670
Dibromomethane	U			0.117	0.500	1	04/04/2018 20:59	WG1093670
1,2-Dichlorobenzene	U			0.101	0.500	1	04/04/2018 20:59	WG1093670
1,3-Dichlorobenzene	U			0.130	0.500	1	04/04/2018 20:59	WG1093670
1,4-Dichlorobenzene	U			0.121	0.500	1	04/04/2018 20:59	WG1093670
Dichlorodifluoromethane	U			0.127	2.50	1	04/04/2018 20:59	WG1093670
1,1-Dichloroethane	U			0.114	0.500	1	04/04/2018 20:59	WG1093670
1,2-Dichloroethane	U			0.108	0.500	1	04/04/2018 20:59	WG1093670
1,1-Dichloroethene	4.56	J-		0.188	0.500	1	04/04/2018 20:59	WG1093670
cis-1,2-Dichloroethene	3240			4.66	25.0	50	04/07/2018 19:40	WG1093670
trans-1,2-Dichloroethene	33.0	J-		0.152	0.500	1	04/04/2018 20:59	WG1093670
1,2-Dichloropropane	U	UJ		0.190	0.500	1	04/04/2018 20:59	WG1093670
1,1-Dichloropropene	U			0.128	0.500	1	04/04/2018 20:59	WG1093670
1,3-Dichloropropane	U			0.147	1.00	1	04/04/2018 20:59	WG1093670
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/04/2018 20:59	WG1093670
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/04/2018 20:59	WG1093670
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/04/2018 20:59	WG1093670
2,2-Dichloropropane	U			0.0929	0.500	1	04/04/2018 20:59	WG1093670
Di-isopropyl ether	U			0.0924	0.500	1	04/04/2018 20:59	WG1093670
Ethylbenzene	U			0.158	0.500	1	04/04/2018 20:59	WG1093670
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/04/2018 20:59	WG1093670
2-Hexanone	U			0.757	5.00	1	04/04/2018 20:59	WG1093670
n-Hexane	U	UJ	J0	0.305	5.00	1	04/04/2018 20:59	WG1093670
Iodomethane	U	UJ		0.377	10.0	1	04/04/2018 20:59	WG1093670
Isopropylbenzene	U			0.126	0.500	1	04/04/2018 20:59	WG1093670
p-Isopropyltoluene	U			0.138	0.500	1	04/04/2018 20:59	WG1093670
2-Butanone (MEK)	U			1.28	5.00	1	04/04/2018 20:59	WG1093670
Methylene Chloride	U			1.07	2.50	1	04/04/2018 20:59	WG1093670
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/04/2018 20:59	WG1093670
Methyl tert-butyl ether	U			0.102	0.500	1	04/04/2018 20:59	WG1093670
Naphthalene	U			0.174	2.50	1	04/04/2018 20:59	WG1093670
n-Propylbenzene	U			0.162	0.500	1	04/04/2018 20:59	WG1093670
Styrene	U			0.117	0.500	1	04/04/2018 20:59	WG1093670
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/04/2018 20:59	WG1093670
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/04/2018 20:59	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U	UJ		0.164	0.500	1	04/04/2018 20:59	WG1093670
Tetrachloroethene	1.82	J-		0.199	0.500	1	04/04/2018 20:59	WG1093670
Toluene	U	UJ		0.412	0.500	1	04/04/2018 20:59	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 20:59	WG1093670
1,2,4-Trichlorobenzene	U	UJ		0.355	0.500	1	04/04/2018 20:59	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 20:59	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 20:59	WG1093670
Trichloroethene	0.497	J-	J	0.153	0.500	1	04/04/2018 20:59	WG1093670
Trichlorofluoromethane	U	UJ		0.130	2.50	1	04/04/2018 20:59	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 20:59	WG1093670
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/04/2018 20:59	WG1093670
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/04/2018 20:59	WG1093670
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/04/2018 20:59	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 20:59	WG1093670
Vinyl chloride	2420			5.90	25.0	50	04/07/2018 19:40	WG1093670
Xylenes, Total	U	UJ		0.316	1.50	1	04/04/2018 20:59	WG1093670
(S) Toluene-d8	*103*				*80.0-120*		*04/04/2018 20:59*	WG1093670
(S) Toluene-d8	*94.7*				*80.0-120*		*04/07/2018 19:40*	WG1093670
(S) Dibromofluoromethane	*96.0*				*76.0-123*		*04/07/2018 19:40*	WG1093670
(S) Dibromofluoromethane	*93.1*				*76.0-123*		*04/04/2018 20:59*	WG1093670
(S) 4-Bromofluorobenzene	*96.6*				*80.0-120*		*04/07/2018 19:40*	WG1093670
(S) 4-Bromofluorobenzene	*78.5*		J2		*80.0-120*		*04/04/2018 20:59*	WG1093670

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

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.19	U	J	1.05	25.0	1	04/04/2018 21:55	WG1093670
Acrylonitrile	U	UJ		0.873	5.00	1	04/04/2018 21:55	WG1093670
Benzene	0.306	J-	J	0.0896	0.500	1	04/04/2018 21:55	WG1093670
Bromobenzene	U	UJ		0.133	0.500	1	04/04/2018 21:55	WG1093670
Bromodichloromethane	U			0.0800	0.500	1	04/04/2018 21:55	WG1093670
Bromochloromethane	U			0.145	0.500	1	04/04/2018 21:55	WG1093670
Bromoform	U			0.186	0.500	1	04/04/2018 21:55	WG1093670
Bromomethane	U			0.157	2.50	1	04/04/2018 21:55	WG1093670
n-Butylbenzene	U			0.143	0.500	1	04/04/2018 21:55	WG1093670
sec-Butylbenzene	U			0.134	0.500	1	04/04/2018 21:55	WG1093670
tert-Butylbenzene	U			0.183	0.500	1	04/04/2018 21:55	WG1093670
Carbon disulfide	U			0.101	0.500	1	04/04/2018 21:55	WG1093670
Carbon tetrachloride	U			0.159	0.500	1	04/04/2018 21:55	WG1093670
Chlorobenzene	U			0.140	0.500	1	04/04/2018 21:55	WG1093670
Chlorodibromomethane	U			0.128	0.500	1	04/04/2018 21:55	WG1093670
Chloroethane	3.63	J-		0.141	2.50	1	04/04/2018 21:55	WG1093670
Chloroform	0.292	J	J	0.0860	0.500	1	04/04/2018 21:55	WG1093670
Chloromethane	U	UJ		0.153	1.25	1	04/04/2018 21:55	WG1093670
2-Chlorotoluene	U			0.111	0.500	1	04/04/2018 21:55	WG1093670
4-Chlorotoluene	U			0.0972	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/04/2018 21:55	WG1093670
1,2-Dibromoethane	U			0.193	0.500	1	04/04/2018 21:55	WG1093670
Dibromomethane	U			0.117	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dichlorobenzene	U			0.101	0.500	1	04/04/2018 21:55	WG1093670
1,3-Dichlorobenzene	U			0.130	0.500	1	04/04/2018 21:55	WG1093670
1,4-Dichlorobenzene	U			0.121	0.500	1	04/04/2018 21:55	WG1093670
Dichlorodifluoromethane	U			0.127	2.50	1	04/04/2018 21:55	WG1093670
1,1-Dichloroethane	U			0.114	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dichloroethane	U			0.108	0.500	1	04/04/2018 21:55	WG1093670
1,1-Dichloroethene	12.9			0.188	0.500	1	04/04/2018 21:55	WG1093670
cis-1,2-Dichloroethene	3680			9.33	50.0	100	04/07/2018 20:38	WG1093670
trans-1,2-Dichloroethene	13.6	J-		0.152	0.500	1	04/04/2018 21:55	WG1093670
1,2-Dichloropropane	U	UJ		0.190	0.500	1	04/04/2018 21:55	WG1093670
1,1-Dichloropropene	U			0.128	0.500	1	04/04/2018 21:55	WG1093670
1,3-Dichloropropane	U			0.147	1.00	1	04/04/2018 21:55	WG1093670
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/04/2018 21:55	WG1093670
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/04/2018 21:55	WG1093670
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/04/2018 21:55	WG1093670
2,2-Dichloropropane	U			0.0929	0.500	1	04/04/2018 21:55	WG1093670
Di-isopropyl ether	U			0.0924	0.500	1	04/04/2018 21:55	WG1093670
Ethylbenzene	U			0.158	0.500	1	04/04/2018 21:55	WG1093670
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/04/2018 21:55	WG1093670
2-Hexanone	U			0.757	5.00	1	04/04/2018 21:55	WG1093670
n-Hexane	U	UJ	J0	0.305	5.00	1	04/04/2018 21:55	WG1093670
Iodomethane	U	UJ		0.377	10.0	1	04/04/2018 21:55	WG1093670
Isopropylbenzene	U			0.126	0.500	1	04/04/2018 21:55	WG1093670
p-Isopropyltoluene	U			0.138	0.500	1	04/04/2018 21:55	WG1093670
2-Butanone (MEK)	U			1.28	5.00	1	04/04/2018 21:55	WG1093670
Methylene Chloride	U			1.07	2.50	1	04/04/2018 21:55	WG1093670
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/04/2018 21:55	WG1093670
Methyl tert-butyl ether	U			0.102	0.500	1	04/04/2018 21:55	WG1093670
Naphthalene	0.258	J-	J	0.174	2.50	1	04/04/2018 21:55	WG1093670
n-Propylbenzene	0.186	J-	J	0.162	0.500	1	04/04/2018 21:55	WG1093670
Styrene	U	UJ		0.117	0.500	1	04/04/2018 21:55	WG1093670
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/04/2018 21:55	WG1093670
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/04/2018 21:55	WG1093670

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

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U	UJ		0.164	0.500	1	04/04/2018 21:55	WG1093670
Tetrachloroethene	16500			19.9	50.0	100	04/07/2018 20:38	WG1093670
Toluene	2.07	J-		0.412	0.500	1	04/04/2018 21:55	WG1093670
1,2,3-Trichlorobenzene	U	UJ	J0	0.164	0.500	1	04/04/2018 21:55	WG1093670
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/04/2018 21:55	WG1093670
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/04/2018 21:55	WG1093670
1,1,2-Trichloroethane	U			0.186	0.500	1	04/04/2018 21:55	WG1093670
Trichloroethene	3300			15.3	50.0	100	04/07/2018 20:38	WG1093670
Trichlorofluoromethane	U	UJ		0.130	2.50	1	04/04/2018 21:55	WG1093670
1,2,3-Trichloropropane	U			0.247	2.50	1	04/04/2018 21:55	WG1093670
1,2,4-Trimethylbenzene	0.984	J-		0.123	0.500	1	04/04/2018 21:55	WG1093670
1,2,3-Trimethylbenzene	0.372	J-	J	0.0739	0.500	1	04/04/2018 21:55	WG1093670
1,3,5-Trimethylbenzene	0.293	J-	J	0.124	0.500	1	04/04/2018 21:55	WG1093670
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/04/2018 21:55	WG1093670
Vinyl chloride	478			11.8	50.0	100	04/07/2018 20:38	WG1093670
Xylenes, Total	0.507	J-	J	0.316	1.50	1	04/04/2018 21:55	WG1093670
(S) Toluene-d8	*101*				*80.0-120*		*04/04/2018 21:55*	WG1093670
(S) Toluene-d8	*92.4*				*80.0-120*		*04/07/2018 20:38*	WG1093670
(S) Dibromofluoromethane	*94.9*				*76.0-123*		*04/07/2018 20:38*	WG1093670
(S) Dibromofluoromethane	*90.2*				*76.0-123*		*04/04/2018 21:55*	WG1093670
(S) 4-Bromofluorobenzene	*77.6*		J2		*80.0-120*		*04/04/2018 21:55*	WG1093670
(S) 4-Bromofluorobenzene	*98.9*				*80.0-120*		*04/07/2018 20:38*	WG1093670

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

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Acetone	6.11	U	J	1.05	25.0	1	04/04/2018 23:29	WG1093670
Acrylonitrile	U			0.873	5.00	1	04/04/2018 23:29	WG1093670
Benzene	0.198		J	0.0896	0.500	1	04/04/2018 23:29	WG1093670
Bromobenzene	U			0.133	0.500	1	04/04/2018 23:29	WG1093670
Bromodichloromethane	U			0.0800	0.500	1	04/04/2018 23:29	WG1093670
Bromochloromethane	U			0.145	0.500	1	04/04/2018 23:29	WG1093670
Bromoform	U			0.186	0.500	1	04/04/2018 23:29	WG1093670
Bromomethane	U			0.157	2.50	1	04/04/2018 23:29	WG1093670
n-Butylbenzene	U			0.143	0.500	1	04/04/2018 23:29	WG1093670
sec-Butylbenzene	U			0.134	0.500	1	04/04/2018 23:29	WG1093670
tert-Butylbenzene	U			0.183	0.500	1	04/04/2018 23:29	WG1093670
Carbon disulfide	0.803			0.101	0.500	1	04/04/2018 23:29	WG1093670
Carbon tetrachloride	U			0.159	0.500	1	04/04/2018 23:29	WG1093670
Chlorobenzene	U			0.140	0.500	1	04/04/2018 23:29	WG1093670
Chlorodibromomethane	U			0.128	0.500	1	04/04/2018 23:29	WG1093670
Chloroethane	U			0.141	2.50	1	04/04/2018 23:29	WG1093670
Chloroform	U			0.0860	0.500	1	04/04/2018 23:29	WG1093670
Chloromethane	U			0.153	1.25	1	04/04/2018 23:29	WG1093670
2-Chlorotoluene	U			0.111	0.500	1	04/04/2018 23:29	WG1093670
4-Chlorotoluene	U			0.0972	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/04/2018 23:29	WG1093670
1,2-Dibromoethane	U			0.193	0.500	1	04/04/2018 23:29	WG1093670
Dibromomethane	U			0.117	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dichlorobenzene	U			0.101	0.500	1	04/04/2018 23:29	WG1093670
1,3-Dichlorobenzene	U			0.130	0.500	1	04/04/2018 23:29	WG1093670
1,4-Dichlorobenzene	U			0.121	0.500	1	04/04/2018 23:29	WG1093670
Dichlorodifluoromethane	U			0.127	2.50	1	04/04/2018 23:29	WG1093670
1,1-Dichloroethane	0.143		J	0.114	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dichloroethane	U			0.108	0.500	1	04/04/2018 23:29	WG1093670
1,1-Dichloroethene	69.0			0.188	0.500	1	04/04/2018 23:29	WG1093670
cis-1,2-Dichloroethene	6690			9.33	50.0	100	04/07/2018 22:16	WG1093670
trans-1,2-Dichloroethene	10.2			0.152	0.500	1	04/04/2018 23:29	WG1093670
1,2-Dichloropropane	U			0.190	0.500	1	04/04/2018 23:29	WG1093670
1,1-Dichloropropene	U			0.128	0.500	1	04/04/2018 23:29	WG1093670
1,3-Dichloropropane	U			0.147	1.00	1	04/04/2018 23:29	WG1093670
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/04/2018 23:29	WG1093670
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/04/2018 23:29	WG1093670
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/04/2018 23:29	WG1093670
2,2-Dichloropropane	U			0.0929	0.500	1	04/04/2018 23:29	WG1093670
Di-isopropyl ether	U			0.0924	0.500	1	04/04/2018 23:29	WG1093670
Ethylbenzene	U			0.158	0.500	1	04/04/2018 23:29	WG1093670
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/04/2018 23:29	WG1093670
2-Hexanone	U			0.757	5.00	1	04/04/2018 23:29	WG1093670
n-Hexane	U	UJ	JO	0.305	5.00	1	04/04/2018 23:29	WG1093670
Iodomethane	U			0.377	10.0	1	04/04/2018 23:29	WG1093670
Isopropylbenzene	U			0.126	0.500	1	04/04/2018 23:29	WG1093670
p-Isopropyltoluene	U			0.138	0.500	1	04/04/2018 23:29	WG1093670
2-Butanone (MEK)	U			1.28	5.00	1	04/04/2018 23:29	WG1093670
Methylene Chloride	U			1.07	2.50	1	04/04/2018 23:29	WG1093670
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/04/2018 23:29	WG1093670
Methyl tert-butyl ether	U			0.102	0.500	1	04/04/2018 23:29	WG1093670
Naphthalene	U			0.174	2.50	1	04/04/2018 23:29	WG1093670
n-Propylbenzene	U			0.162	0.500	1	04/04/2018 23:29	WG1093670
Styrene	U			0.117	0.500	1	04/04/2018 23:29	WG1093670
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/04/2018 23:29	WG1093670
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/04/2018 23:29	WG1093670

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/04/2018 23:29	WG1093670
Tetrachloroethene	678		19.9	50.0	100	04/07/2018 22:16	WG1093670
Toluene	1.53		0.412	0.500	1	04/04/2018 23:29	WG1093670
1,2,3-Trichlorobenzene	U	J0	0.164	0.500	1	04/04/2018 23:29	WG1093670
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/04/2018 23:29	WG1093670
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/04/2018 23:29	WG1093670
1,1,2-Trichloroethane	U		0.186	0.500	1	04/04/2018 23:29	WG1093670
Trichloroethene	1020		15.3	50.0	100	04/07/2018 22:16	WG1093670
Trichlorofluoromethane	U		0.130	2.50	1	04/04/2018 23:29	WG1093670
1,2,3-Trichloropropane	U		0.247	2.50	1	04/04/2018 23:29	WG1093670
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/04/2018 23:29	WG1093670
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/04/2018 23:29	WG1093670
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/04/2018 23:29	WG1093670
Vinyl acetate	U	J0	0.645	5.00	1	04/04/2018 23:29	WG1093670
Vinyl chloride	111		0.118	0.500	1	04/04/2018 23:29	WG1093670
Xylenes, Total	U		0.316	1.50	1	04/04/2018 23:29	WG1093670
(S) Toluene-d8	*92.4*			*80.0-120*		*04/07/2018 22:16*	WG1093670
(S) Toluene-d8	*103*			*80.0-120*		*04/04/2018 23:29*	WG1093670
(S) Dibromofluoromethane	*93.5*			*76.0-123*		*04/04/2018 23:29*	WG1093670
(S) Dibromofluoromethane	*93.8*			*76.0-123*		*04/07/2018 22:16*	WG1093670
(S) 4-Bromofluorobenzene	*78.0*	J2		*80.0-120*		*04/04/2018 23:29*	WG1093670
(S) 4-Bromofluorobenzene	*99.5*			*80.0-120*		*04/07/2018 22:16*	WG1093670

JC 4/23/18

JC 4/27/18

ANALYTICAL REPORT

April 11, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L983082
Samples Received:	04/04/2018
Project Number:	1413.001.05.601
Description:	American Linen Supply

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

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

IW-6B-040218 L983082-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/02/18 08:36 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 15:39	04/05/18 15:39	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	100	04/09/18 22:16	04/09/18 22:16	BMB

IW-7A-040218 L983082-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/02/18 09:20 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 15:58	04/05/18 15:58	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/09/18 22:36	04/09/18 22:36	BMB

IW-33B-040218 L983082-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/02/18 10:28 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 16:18	04/05/18 16:18	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	250	04/09/18 22:55	04/09/18 22:55	BMB

IW-22A-040218 L983082-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/02/18 11:08 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 16:38	04/05/18 16:38	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/09/18 23:15	04/09/18 23:15	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	10	04/10/18 17:57	04/10/18 17:57	LRL

IW-21B-040218 L983082-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/02/18 11:49 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 16:58	04/05/18 16:58	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	100	04/09/18 23:34	04/09/18 23:34	BMB

IW-48A-040218 L983082-06 GW

Collected by: Jeff Dobbins | Collected date/time: 04/02/18 12:42 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 17:17	04/05/18 17:17	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/09/18 23:54	04/09/18 23:54	BMB

IW-9C-040218 L983082-07 GW

Collected by: Jeff Dobbins | Collected date/time: 04/02/18 14:20 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 17:37	04/05/18 17:37	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	250	04/10/18 00:14	04/10/18 00:14	BMB

R-MW2-040218 L983082-08 GW

Collected by: Jeff Dobbins | Collected date/time: 04/02/18 15:40 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1094563	1	04/06/18 13:04	04/06/18 13:04	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 17:57	04/05/18 17:57	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/10/18 00:34	04/10/18 00:34	BMB

IW-3D-040318 L983082-09 GW

Collected by: Jeff Dobbins | Collected date/time: 04/03/18 08:56 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 18:17	04/05/18 18:17	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	250	04/10/18 00:53	04/10/18 00:53	BMB

IW-1D-040318 L983082-10 GW

Collected by: Jeff Dobbins | Collected date/time: 04/03/18 10:16 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	10	04/05/18 18:36	04/05/18 18:36	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	2500	04/10/18 01:13	04/10/18 01:13	BMB

IW-6D-040318 L983082-11 GW

Collected by: Jeff Dobbins | Collected date/time: 04/03/18 12:55 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/05/18 18:55	04/05/18 18:55	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1093952	1	04/10/18 01:34	04/10/18 01:34	BMB

TRIP BLANK L983082-12 GW

Collected by: Jeff Dobbins | Collected date/time: 04/03/18 00:00 | Received date/time: 04/04/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1094404	1	04/05/18 22:13	04/05/18 22:13	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1094069	1	04/05/18 13:33	04/05/18 13:33	JHH

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

Brian Ford
Technical Service Representative

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.27	J	1.05	25.0	1	04/05/2018 15:39	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 15:39	WG1093952
Benzene	0.350	J	0.0896	0.500	1	04/05/2018 15:39	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 15:39	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 15:39	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 15:39	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 15:39	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 15:39	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 15:39	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 15:39	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 15:39	WG1093952
Carbon disulfide	U		0.101	0.500	1	04/05/2018 15:39	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 15:39	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 15:39	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 15:39	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 15:39	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 15:39	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 15:39	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 15:39	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 15:39	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 15:39	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 15:39	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 15:39	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 15:39	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 15:39	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 15:39	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 15:39	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 15:39	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 15:39	WG1093952
1,1-Dichloroethene	12.2		0.188	0.500	1	04/05/2018 15:39	WG1093952
cis-1,2-Dichloroethene	2270		9.33	50.0	100	04/09/2018 22:16	WG1093952
trans-1,2-Dichloroethene	13.6		0.152	0.500	1	04/05/2018 15:39	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 15:39	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 15:39	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 15:39	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 15:39	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 15:39	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 15:39	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 15:39	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 15:39	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 15:39	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 15:39	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 15:39	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 15:39	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 15:39	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 15:39	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 15:39	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 15:39	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 15:39	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 15:39	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 15:39	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 15:39	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 15:39	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 15:39	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 15:39	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 15:39	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 15:39	WG1093952
Tetrachloroethene	590		19.9	50.0	100	04/09/2018 22:16	WG1093952
Toluene	0.453	J	0.412	0.500	1	04/05/2018 15:39	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 15:39	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 15:39	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 15:39	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 15:39	WG1093952
Trichloroethene	847		15.3	50.0	100	04/09/2018 22:16	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 15:39	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 15:39	WG1093952
1,2,4-Trimethylbenzene	0.212	J	0.123	0.500	1	04/05/2018 15:39	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 15:39	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 15:39	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 15:39	WG1093952
Vinyl chloride	24.1		0.118	0.500	1	04/05/2018 15:39	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 15:39	WG1093952
(S) Toluene-d8	*98.8*			*80.0-120*		*04/09/2018 22:16*	WG1093952
(S) Toluene-d8	*100*			*80.0-120*		*04/05/2018 15:39*	WG1093952
(S) Dibromofluoromethane	*96.3*			*76.0-123*		*04/05/2018 15:39*	WG1093952
(S) Dibromofluoromethane	*98.8*			*76.0-123*		*04/09/2018 22:16*	WG1093952
(S) 4-Bromofluorobenzene	*97.9*			*80.0-120*		*04/05/2018 15:39*	WG1093952
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/09/2018 22:16*	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.08	J	1.05	25.0	1	04/05/2018 15:58	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 15:58	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 15:58	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 15:58	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 15:58	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 15:58	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 15:58	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 15:58	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 15:58	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 15:58	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 15:58	WG1093952
Carbon disulfide	0.144	J	0.101	0.500	1	04/05/2018 15:58	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 15:58	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 15:58	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 15:58	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 15:58	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 15:58	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 15:58	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 15:58	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 15:58	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 15:58	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 15:58	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 15:58	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 15:58	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 15:58	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 15:58	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 15:58	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 15:58	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 15:58	WG1093952
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 15:58	WG1093952
cis-1,2-Dichloroethene	8.74		0.0933	0.500	1	04/09/2018 22:36	WG1093952
trans-1,2-Dichloroethene	0.295	J	0.152	0.500	1	04/05/2018 15:58	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 15:58	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 15:58	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 15:58	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 15:58	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 15:58	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 15:58	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 15:58	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 15:58	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 15:58	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 15:58	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 15:58	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 15:58	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 15:58	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 15:58	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 15:58	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 15:58	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 15:58	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 15:58	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 15:58	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 15:58	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 15:58	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 15:58	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 15:58	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 15:58	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 15:58	WG1093952
Tetrachloroethene	0.335	J	0.199	0.500	1	04/09/2018 22:36	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 15:58	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 15:58	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 15:58	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 15:58	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 15:58	WG1093952
Trichloroethene	2.09		0.153	0.500	1	04/09/2018 22:36	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 15:58	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 15:58	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 15:58	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 15:58	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 15:58	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 15:58	WG1093952
Vinyl chloride	1.20		0.118	0.500	1	04/05/2018 15:58	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 15:58	WG1093952
(S) Toluene-d8	*102*			*80.0-120*		*04/05/2018 15:58*	WG1093952
(S) Toluene-d8	*100*			*80.0-120*		*04/09/2018 22:36*	WG1093952
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/09/2018 22:36*	WG1093952
(S) Dibromofluoromethane	*94.7*			*76.0-123*		*04/05/2018 15:58*	WG1093952
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/09/2018 22:36*	WG1093952
(S) 4-Bromofluorobenzene	*99.6*			*80.0-120*		*04/05/2018 15:58*	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.69	J	1.05	25.0	1	04/05/2018 16:18	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 16:18	WG1093952
Benzene	0.560		0.0896	0.500	1	04/05/2018 16:18	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 16:18	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 16:18	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 16:18	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 16:18	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 16:18	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 16:18	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 16:18	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 16:18	WG1093952
Carbon disulfide	0.915		0.101	0.500	1	04/05/2018 16:18	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 16:18	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 16:18	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 16:18	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 16:18	WG1093952
Chloroform	0.200	J	0.0860	0.500	1	04/05/2018 16:18	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 16:18	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 16:18	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 16:18	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 16:18	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 16:18	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 16:18	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 16:18	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 16:18	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 16:18	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 16:18	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 16:18	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 16:18	WG1093952
1,1-Dichloroethene	49.7		0.188	0.500	1	04/05/2018 16:18	WG1093952
cis-1,2-Dichloroethene	18200		23.3	125	250	04/09/2018 22:55	WG1093952
trans-1,2-Dichloroethene	228		38.0	125	250	04/09/2018 22:55	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 16:18	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 16:18	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 16:18	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 16:18	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 16:18	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 16:18	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 16:18	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 16:18	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 16:18	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 16:18	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 16:18	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 16:18	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 16:18	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 16:18	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 16:18	WG1093952
2-Butanone (MEK)	1.35	J	1.28	5.00	1	04/05/2018 16:18	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 16:18	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 16:18	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 16:18	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 16:18	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 16:18	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 16:18	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 16:18	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 16:18	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 16:18	WG1093952
Tetrachloroethene	31.6		0.199	0.500	1	04/05/2018 16:18	WG1093952
Toluene	2.30		0.412	0.500	1	04/05/2018 16:18	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 16:18	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 16:18	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 16:18	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 16:18	WG1093952
Trichloroethene	1800		38.2	125	250	04/09/2018 22:55	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 16:18	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 16:18	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 16:18	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 16:18	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 16:18	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 16:18	WG1093952
Vinyl chloride	2410		29.5	125	250	04/09/2018 22:55	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 16:18	WG1093952
(S) Toluene-d8	*98.5*			*80.0-120*		*04/09/2018 22:55*	WG1093952
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 16:18*	WG1093952
(S) Dibromofluoromethane	*96.0*			*76.0-123*		*04/05/2018 16:18*	WG1093952
(S) Dibromofluoromethane	*98.7*			*76.0-123*		*04/09/2018 22:55*	WG1093952
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/05/2018 16:18*	WG1093952
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/09/2018 22:55*	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.74	J	1.05	25.0	1	04/05/2018 16:38	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 16:38	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 16:38	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 16:38	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 16:38	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 16:38	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 16:38	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 16:38	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 16:38	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 16:38	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 16:38	WG1093952
Carbon disulfide	U		0.101	0.500	1	04/05/2018 16:38	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 16:38	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 16:38	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 16:38	WG1093952
Chloroethane	0.395	J	0.141	2.50	1	04/05/2018 16:38	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 16:38	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 16:38	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 16:38	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 16:38	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 16:38	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 16:38	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 16:38	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 16:38	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 16:38	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 16:38	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 16:38	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 16:38	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 16:38	WG1093952
1,1-Dichloroethene	1.07		0.188	0.500	1	04/05/2018 16:38	WG1093952
cis-1,2-Dichloroethene	128		0.933	5.00	10	04/10/2018 17:57	WG1093952
trans-1,2-Dichloroethene	6.88		0.152	0.500	1	04/09/2018 23:15	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 16:38	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 16:38	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 16:38	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 16:38	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 16:38	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 16:38	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 16:38	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 16:38	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 16:38	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 16:38	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 16:38	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 16:38	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 16:38	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 16:38	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 16:38	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 16:38	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 16:38	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 16:38	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 16:38	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 16:38	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 16:38	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 16:38	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 16:38	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 16:38	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 16:38	WG1093952
Tetrachloroethene	3.88		0.199	0.500	1	04/05/2018 16:38	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 16:38	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 16:38	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 16:38	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 16:38	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 16:38	WG1093952
Trichloroethene	1.10		0.153	0.500	1	04/09/2018 23:15	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 16:38	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 16:38	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 16:38	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 16:38	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 16:38	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 16:38	WG1093952
Vinyl chloride	232		1.18	5.00	10	04/10/2018 17:57	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 16:38	WG1093952
(S) Toluene-d8	*99.2*			*80.0-120*		*04/05/2018 16:38*	WG1093952
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 17:57*	WG1093952
(S) Toluene-d8	*100*			*80.0-120*		*04/09/2018 23:15*	WG1093952
(S) Dibromofluoromethane	*96.5*			*76.0-123*		*04/05/2018 16:38*	WG1093952
(S) Dibromofluoromethane	*91.6*			*76.0-123*		*04/10/2018 17:57*	WG1093952
(S) Dibromofluoromethane	*98.7*			*76.0-123*		*04/09/2018 23:15*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/09/2018 23:15*	WG1093952
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/10/2018 17:57*	WG1093952
(S) 4-Bromofluorobenzene	*99.5*			*80.0-120*		*04/05/2018 16:38*	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.92	J	1.05	25.0	1	04/05/2018 16:58	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 16:58	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 16:58	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 16:58	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 16:58	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 16:58	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 16:58	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 16:58	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 16:58	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 16:58	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 16:58	WG1093952
Carbon disulfide	3.64		0.101	0.500	1	04/05/2018 16:58	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 16:58	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 16:58	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 16:58	WG1093952
Chloroethane	1.28	J	0.141	2.50	1	04/05/2018 16:58	WG1093952
Chloroform	0.182	J	0.0860	0.500	1	04/05/2018 16:58	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 16:58	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 16:58	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 16:58	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 16:58	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 16:58	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 16:58	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 16:58	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 16:58	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 16:58	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 16:58	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 16:58	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 16:58	WG1093952
1,1-Dichloroethene	14.3		0.188	0.500	1	04/05/2018 16:58	WG1093952
cis-1,2-Dichloroethene	4600		9.33	50.0	100	04/09/2018 23:34	WG1093952
trans-1,2-Dichloroethene	58.5		0.152	0.500	1	04/05/2018 16:58	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 16:58	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 16:58	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 16:58	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 16:58	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 16:58	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 16:58	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 16:58	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 16:58	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 16:58	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 16:58	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 16:58	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 16:58	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 16:58	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 16:58	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 16:58	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 16:58	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 16:58	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 16:58	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 16:58	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 16:58	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 16:58	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 16:58	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 16:58	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 16:58	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 16:58	WG1093952
Tetrachloroethene	1.51		0.199	0.500	1	04/05/2018 16:58	WG1093952
Toluene	0.438	J	0.412	0.500	1	04/05/2018 16:58	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 16:58	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 16:58	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 16:58	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 16:58	WG1093952
Trichloroethene	148		0.153	0.500	1	04/05/2018 16:58	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 16:58	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 16:58	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 16:58	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 16:58	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 16:58	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 16:58	WG1093952
Vinyl chloride	1200		11.8	50.0	100	04/09/2018 23:34	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 16:58	WG1093952
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 16:58*	WG1093952
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 23:34*	WG1093952
(S) Dibromofluoromethane	*95.7*			*76.0-123*		*04/05/2018 16:58*	WG1093952
(S) Dibromofluoromethane	*99.9*			*76.0-123*		*04/09/2018 23:34*	WG1093952
(S) 4-Bromofluorobenzene	*99.4*			*80.0-120*		*04/05/2018 16:58*	WG1093952
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/09/2018 23:34*	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	117		1.05	25.0	1	04/05/2018 17:17	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 17:17	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 17:17	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 17:17	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 17:17	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 17:17	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 17:17	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 17:17	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 17:17	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 17:17	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 17:17	WG1093952
Carbon disulfide	U		0.101	0.500	1	04/05/2018 17:17	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 17:17	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 17:17	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 17:17	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 17:17	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 17:17	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 17:17	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 17:17	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 17:17	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 17:17	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 17:17	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 17:17	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 17:17	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 17:17	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 17:17	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 17:17	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 17:17	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 17:17	WG1093952
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 17:17	WG1093952
cis-1,2-Dichloroethene	1.16		0.0933	0.500	1	04/09/2018 23:54	WG1093952
trans-1,2-Dichloroethene	1.04		0.152	0.500	1	04/05/2018 17:17	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 17:17	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 17:17	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 17:17	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 17:17	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 17:17	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 17:17	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 17:17	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 17:17	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 17:17	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 17:17	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 17:17	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 17:17	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 17:17	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 17:17	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 17:17	WG1093952
2-Butanone (MEK)	119		1.28	5.00	1	04/05/2018 17:17	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 17:17	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 17:17	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 17:17	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 17:17	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 17:17	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 17:17	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 17:17	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 17:17	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 17:17	WG1093952
Tetrachloroethene	0.425	J	0.199	0.500	1	04/05/2018 17:17	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 17:17	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 17:17	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 17:17	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 17:17	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 17:17	WG1093952
Trichloroethene	0.622		0.153	0.500	1	04/05/2018 17:17	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 17:17	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 17:17	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 17:17	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 17:17	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 17:17	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 17:17	WG1093952
Vinyl chloride	16.3		0.118	0.500	1	04/09/2018 23:54	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 17:17	WG1093952
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 23:54*	WG1093952
(S) Toluene-d8	*99.4*			*80.0-120*		*04/05/2018 17:17*	WG1093952
(S) Dibromofluoromethane	*96.9*			*76.0-123*		*04/05/2018 17:17*	WG1093952
(S) Dibromofluoromethane	*98.0*			*76.0-123*		*04/09/2018 23:54*	WG1093952
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/05/2018 17:17*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/09/2018 23:54*	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.49	J	1.05	25.0	1	04/05/2018 17:37	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 17:37	WG1093952
Benzene	0.285	J	0.0896	0.500	1	04/05/2018 17:37	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 17:37	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 17:37	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 17:37	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 17:37	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 17:37	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 17:37	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 17:37	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 17:37	WG1093952
Carbon disulfide	1.07		0.101	0.500	1	04/05/2018 17:37	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 17:37	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 17:37	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 17:37	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 17:37	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 17:37	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 17:37	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 17:37	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 17:37	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 17:37	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 17:37	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 17:37	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 17:37	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 17:37	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 17:37	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 17:37	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 17:37	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 17:37	WG1093952
1,1-Dichloroethene	55.4		0.188	0.500	1	04/05/2018 17:37	WG1093952
cis-1,2-Dichloroethene	20400		23.3	125	250	04/10/2018 00:14	WG1093952
trans-1,2-Dichloroethene	107		0.152	0.500	1	04/05/2018 17:37	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 17:37	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 17:37	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 17:37	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 17:37	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 17:37	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 17:37	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 17:37	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 17:37	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 17:37	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 17:37	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 17:37	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 17:37	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 17:37	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 17:37	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 17:37	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 17:37	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 17:37	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 17:37	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 17:37	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 17:37	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 17:37	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 17:37	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 17:37	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 17:37	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 17:37	WG1093952
Tetrachloroethene	3.15		0.199	0.500	1	04/05/2018 17:37	WG1093952
Toluene	0.690		0.412	0.500	1	04/05/2018 17:37	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 17:37	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 17:37	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 17:37	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 17:37	WG1093952
Trichloroethene	49.7		0.153	0.500	1	04/05/2018 17:37	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 17:37	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 17:37	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 17:37	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 17:37	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 17:37	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 17:37	WG1093952
Vinyl chloride	3780		29.5	125	250	04/10/2018 00:14	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 17:37	WG1093952
(S) Toluene-d8	*99.7*			*80.0-120*		*04/05/2018 17:37*	WG1093952
(S) Toluene-d8	*98.0*			*80.0-120*		*04/10/2018 00:14*	WG1093952
(S) Dibromofluoromethane	*99.4*			*76.0-123*		*04/10/2018 00:14*	WG1093952
(S) Dibromofluoromethane	*99.5*			*76.0-123*		*04/05/2018 17:37*	WG1093952
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/05/2018 17:37*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 00:14*	WG1093952

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	38.0	J	31.6	100	1	04/06/2018 13:04	WG1094563
(S) a,a,a-Trifluorotoluene(FID)	*93.7*			*77.0-122*		*04/06/2018 13:04*	WG1094563

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.51	J	1.05	25.0	1	04/05/2018 17:57	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 17:57	WG1093952
Benzene	0.568		0.0896	0.500	1	04/05/2018 17:57	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 17:57	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 17:57	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 17:57	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 17:57	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 17:57	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 17:57	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 17:57	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 17:57	WG1093952
Carbon disulfide	U		0.101	0.500	1	04/05/2018 17:57	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 17:57	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 17:57	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 17:57	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 17:57	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 17:57	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 17:57	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 17:57	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 17:57	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 17:57	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 17:57	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 17:57	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 17:57	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 17:57	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 17:57	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 17:57	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 17:57	WG1093952
1,2-Dichloroethane	0.141	J	0.108	0.500	1	04/05/2018 17:57	WG1093952
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 17:57	WG1093952
cis-1,2-Dichloroethene	2.48		0.0933	0.500	1	04/10/2018 00:34	WG1093952
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2018 17:57	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 17:57	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 17:57	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 17:57	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 17:57	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 17:57	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 17:57	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 17:57	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 17:57	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 17:57	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 17:57	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 17:57	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 17:57	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 17:57	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 17:57	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 17:57	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 17:57	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/05/2018 17:57	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 17:57	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 17:57	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 17:57	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 17:57	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 17:57	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 17:57	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 17:57	WG1093952
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 17:57	WG1093952
Tetrachloroethene	0.866		0.199	0.500	1	04/05/2018 17:57	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 17:57	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 17:57	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 17:57	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 17:57	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 17:57	WG1093952
Trichloroethene	0.620		0.153	0.500	1	04/05/2018 17:57	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 17:57	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 17:57	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 17:57	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 17:57	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 17:57	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 17:57	WG1093952
Vinyl chloride	1.33		0.118	0.500	1	04/10/2018 00:34	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 17:57	WG1093952
(S) Toluene-d8	*100*			*80.0-120*		*04/05/2018 17:57*	WG1093952
(S) Toluene-d8	*98.3*			*80.0-120*		*04/10/2018 00:34*	WG1093952
(S) Dibromofluoromethane	*91.9*			*76.0-123*		*04/05/2018 17:57*	WG1093952
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/10/2018 00:34*	WG1093952
(S) 4-Bromofluorobenzene	*99.6*			*80.0-120*		*04/05/2018 17:57*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 00:34*	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	5.37	J	1.05	25.0	1	04/05/2018 18:17	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 18:17	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 18:17	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 18:17	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 18:17	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 18:17	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 18:17	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 18:17	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 18:17	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 18:17	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 18:17	WG1093952
Carbon disulfide	3.26		0.101	0.500	1	04/05/2018 18:17	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 18:17	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 18:17	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 18:17	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 18:17	WG1093952
Chloroform	0.408	J	0.0860	0.500	1	04/05/2018 18:17	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 18:17	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 18:17	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 18:17	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 18:17	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 18:17	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 18:17	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 18:17	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 18:17	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 18:17	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 18:17	WG1093952
1,1-Dichloroethane	0.168	J	0.114	0.500	1	04/05/2018 18:17	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 18:17	WG1093952
1,1-Dichloroethene	61.5		0.188	0.500	1	04/05/2018 18:17	WG1093952
cis-1,2-Dichloroethene	9860		23.3	125	250	04/10/2018 00:53	WG1093952
trans-1,2-Dichloroethene	16.4		0.152	0.500	1	04/05/2018 18:17	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 18:17	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 18:17	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 18:17	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 18:17	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 18:17	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 18:17	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 18:17	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 18:17	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 18:17	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 18:17	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 18:17	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 18:17	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 18:17	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 18:17	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 18:17	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 18:17	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 18:17	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 18:17	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 18:17	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 18:17	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 18:17	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 18:17	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 18:17	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 18:17	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 18:17	WG1093952
Tetrachloroethene	4240		49.8	125	250	04/10/2018 00:53	WG1093952
Toluene	1.28		0.412	0.500	1	04/05/2018 18:17	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 18:17	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 18:17	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 18:17	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 18:17	WG1093952
Trichloroethene	4600		38.2	125	250	04/10/2018 00:53	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 18:17	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 18:17	WG1093952
1,2,4-Trimethylbenzene	0.391	J	0.123	0.500	1	04/05/2018 18:17	WG1093952
1,2,3-Trimethylbenzene	0.145	J	0.0739	0.500	1	04/05/2018 18:17	WG1093952
1,3,5-Trimethylbenzene	0.134	J	0.124	0.500	1	04/05/2018 18:17	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 18:17	WG1093952
Vinyl chloride	37.1		0.118	0.500	1	04/05/2018 18:17	WG1093952
Xylenes, Total	0.409	J	0.316	1.50	1	04/05/2018 18:17	WG1093952
(S) Toluene-d8	*95.8*			*80.0-120*		*04/05/2018 18:17*	WG1093952
(S) Toluene-d8	*101*			*80.0-120*		*04/10/2018 00:53*	WG1093952
(S) Dibromofluoromethane	*99.3*			*76.0-123*		*04/10/2018 00:53*	WG1093952
(S) Dibromofluoromethane	*95.5*			*76.0-123*		*04/05/2018 18:17*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 00:53*	WG1093952
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/05/2018 18:17*	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	29.1	J	10.5	250	10	04/05/2018 18:36	WG1093952
Acrylonitrile	U		8.73	50.0	10	04/05/2018 18:36	WG1093952
Benzene	U		0.896	5.00	10	04/05/2018 18:36	WG1093952
Bromobenzene	U		1.33	5.00	10	04/05/2018 18:36	WG1093952
Bromodichloromethane	U		0.800	5.00	10	04/05/2018 18:36	WG1093952
Bromochloromethane	U		1.45	5.00	10	04/05/2018 18:36	WG1093952
Bromoform	U		1.86	5.00	10	04/05/2018 18:36	WG1093952
Bromomethane	U		1.57	25.0	10	04/05/2018 18:36	WG1093952
n-Butylbenzene	U		1.43	5.00	10	04/05/2018 18:36	WG1093952
sec-Butylbenzene	U		1.34	5.00	10	04/05/2018 18:36	WG1093952
tert-Butylbenzene	U		1.83	5.00	10	04/05/2018 18:36	WG1093952
Carbon disulfide	U		1.01	5.00	10	04/05/2018 18:36	WG1093952
Carbon tetrachloride	U		1.59	5.00	10	04/05/2018 18:36	WG1093952
Chlorobenzene	U		1.40	5.00	10	04/05/2018 18:36	WG1093952
Chlorodibromomethane	U		1.28	5.00	10	04/05/2018 18:36	WG1093952
Chloroethane	U		1.41	25.0	10	04/05/2018 18:36	WG1093952
Chloroform	0.968	J	0.860	5.00	10	04/05/2018 18:36	WG1093952
Chloromethane	U		1.53	12.5	10	04/05/2018 18:36	WG1093952
2-Chlorotoluene	U		1.11	5.00	10	04/05/2018 18:36	WG1093952
4-Chlorotoluene	U		0.972	5.00	10	04/05/2018 18:36	WG1093952
1,2-Dibromo-3-Chloropropane	U		3.25	25.0	10	04/05/2018 18:36	WG1093952
1,2-Dibromoethane	U		1.93	5.00	10	04/05/2018 18:36	WG1093952
Dibromomethane	U		1.17	5.00	10	04/05/2018 18:36	WG1093952
1,2-Dichlorobenzene	U		1.01	5.00	10	04/05/2018 18:36	WG1093952
1,3-Dichlorobenzene	U		1.30	5.00	10	04/05/2018 18:36	WG1093952
1,4-Dichlorobenzene	U		1.21	5.00	10	04/05/2018 18:36	WG1093952
Dichlorodifluoromethane	U		1.27	25.0	10	04/05/2018 18:36	WG1093952
1,1-Dichloroethane	U		1.14	5.00	10	04/05/2018 18:36	WG1093952
1,2-Dichloroethane	U		1.08	5.00	10	04/05/2018 18:36	WG1093952
1,1-Dichloroethene	98.8		1.88	5.00	10	04/05/2018 18:36	WG1093952
cis-1,2-Dichloroethene	5920		233	1250	2500	04/10/2018 01:13	WG1093952
trans-1,2-Dichloroethene	16.0		1.52	5.00	10	04/05/2018 18:36	WG1093952
1,2-Dichloropropane	U		1.90	5.00	10	04/05/2018 18:36	WG1093952
1,1-Dichloropropene	U		1.28	5.00	10	04/05/2018 18:36	WG1093952
1,3-Dichloropropane	U		1.47	10.0	10	04/05/2018 18:36	WG1093952
cis-1,3-Dichloropropene	U		0.976	5.00	10	04/05/2018 18:36	WG1093952
trans-1,3-Dichloropropene	U		2.22	5.00	10	04/05/2018 18:36	WG1093952
trans-1,4-Dichloro-2-butene	U		2.57	50.0	10	04/05/2018 18:36	WG1093952
2,2-Dichloropropane	U		0.929	5.00	10	04/05/2018 18:36	WG1093952
Di-isopropyl ether	U		0.924	5.00	10	04/05/2018 18:36	WG1093952
Ethylbenzene	U		1.58	5.00	10	04/05/2018 18:36	WG1093952
Hexachloro-1,3-butadiene	U		1.57	10.0	10	04/05/2018 18:36	WG1093952
2-Hexanone	U		7.57	50.0	10	04/05/2018 18:36	WG1093952
n-Hexane	U		3.05	50.0	10	04/05/2018 18:36	WG1093952
Iodomethane	U		3.77	100	10	04/05/2018 18:36	WG1093952
Isopropylbenzene	U		1.26	5.00	10	04/05/2018 18:36	WG1093952
p-Isopropyltoluene	U		1.38	5.00	10	04/05/2018 18:36	WG1093952
2-Butanone (MEK)	13.9	J	12.8	50.0	10	04/05/2018 18:36	WG1093952
Methylene Chloride	U		10.7	25.0	10	04/05/2018 18:36	WG1093952
4-Methyl-2-pentanone (MIBK)	U		8.23	50.0	10	04/05/2018 18:36	WG1093952
Methyl tert-butyl ether	U		1.02	5.00	10	04/05/2018 18:36	WG1093952
Naphthalene	U		1.74	25.0	10	04/05/2018 18:36	WG1093952
n-Propylbenzene	U		1.62	5.00	10	04/05/2018 18:36	WG1093952
Styrene	U		1.17	5.00	10	04/05/2018 18:36	WG1093952
1,1,1,2-Tetrachloroethane	U		1.20	5.00	10	04/05/2018 18:36	WG1093952
1,1,2,2-Tetrachloroethane	U		1.30	5.00	10	04/05/2018 18:36	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		1.64	5.00	10	04/05/2018 18:36	WG1093952
Tetrachloroethene	64100		498	1250	2500	04/10/2018 01:13	WG1093952
Toluene	6.74		4.12	5.00	10	04/05/2018 18:36	WG1093952
1,2,3-Trichlorobenzene	U		1.64	5.00	10	04/05/2018 18:36	WG1093952
1,2,4-Trichlorobenzene	U		3.55	5.00	10	04/05/2018 18:36	WG1093952
1,1,1-Trichloroethane	U		0.940	5.00	10	04/05/2018 18:36	WG1093952
1,1,2-Trichloroethane	U		1.86	5.00	10	04/05/2018 18:36	WG1093952
Trichloroethene	2830		382	1250	2500	04/10/2018 01:13	WG1093952
Trichlorofluoromethane	U		1.30	25.0	10	04/05/2018 18:36	WG1093952
1,2,3-Trichloropropane	U		2.47	25.0	10	04/05/2018 18:36	WG1093952
1,2,4-Trimethylbenzene	2.23	J	1.23	5.00	10	04/05/2018 18:36	WG1093952
1,2,3-Trimethylbenzene	U		0.739	5.00	10	04/05/2018 18:36	WG1093952
1,3,5-Trimethylbenzene	U		1.24	5.00	10	04/05/2018 18:36	WG1093952
Vinyl acetate	U		6.45	50.0	10	04/05/2018 18:36	WG1093952
Vinyl chloride	118		1.18	5.00	10	04/05/2018 18:36	WG1093952
Xylenes, Total	U		3.16	15.0	10	04/05/2018 18:36	WG1093952
(S) Toluene-d8	*91.4*			*80.0-120*		*04/05/2018 18:36*	WG1093952
(S) Toluene-d8	*105*			*80.0-120*		*04/10/2018 01:13*	WG1093952
(S) Dibromofluoromethane	*98.9*			*76.0-123*		*04/10/2018 01:13*	WG1093952
(S) Dibromofluoromethane	*95.1*			*76.0-123*		*04/05/2018 18:36*	WG1093952
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/05/2018 18:36*	WG1093952
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/10/2018 01:13*	WG1093952

Sample Narrative:

L983082-10 WG1093952: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/05/2018 18:55	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 18:55	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 18:55	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 18:55	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 18:55	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 18:55	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 18:55	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 18:55	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 18:55	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 18:55	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 18:55	WG1093952
Carbon disulfide	3.29		0.101	0.500	1	04/05/2018 18:55	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 18:55	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 18:55	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 18:55	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 18:55	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 18:55	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 18:55	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 18:55	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 18:55	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 18:55	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 18:55	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 18:55	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 18:55	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 18:55	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 18:55	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 18:55	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 18:55	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 18:55	WG1093952
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 18:55	WG1093952
cis-1,2-Dichloroethene	2.97		0.0933	0.500	1	04/10/2018 01:34	WG1093952
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2018 18:55	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 18:55	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 18:55	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 18:55	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 18:55	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 18:55	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 18:55	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 18:55	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 18:55	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 18:55	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 18:55	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 18:55	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 18:55	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 18:55	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 18:55	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 18:55	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 18:55	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 18:55	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 18:55	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 18:55	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 18:55	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 18:55	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 18:55	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 18:55	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 18:55	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 18:55	WG1093952
Tetrachloroethene	16.3		0.199	0.500	1	04/10/2018 01:34	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 18:55	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 18:55	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 18:55	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 18:55	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 18:55	WG1093952
Trichloroethene	0.826		0.153	0.500	1	04/10/2018 01:34	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 18:55	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 18:55	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 18:55	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 18:55	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 18:55	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 18:55	WG1093952
Vinyl chloride	1.27		0.118	0.500	1	04/05/2018 18:55	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 18:55	WG1093952
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 18:55*	WG1093952
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2018 01:34*	WG1093952
(S) Dibromofluoromethane	*99.5*			*76.0-123*		*04/10/2018 01:34*	WG1093952
(S) Dibromofluoromethane	*95.7*			*76.0-123*		*04/05/2018 18:55*	WG1093952
(S) 4-Bromofluorobenzene	*96.9*			*80.0-120*		*04/05/2018 18:55*	WG1093952
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/10/2018 01:34*	WG1093952

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	37.3	J	31.6	100	1	04/05/2018 22:13	WG1094404
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*77.0-122*		*04/05/2018 22:13*	WG1094404

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/05/2018 13:33	WG1094069
Acrylonitrile	U		0.873	5.00	1	04/05/2018 13:33	WG1094069
Benzene	U		0.0896	0.500	1	04/05/2018 13:33	WG1094069
Bromobenzene	U		0.133	0.500	1	04/05/2018 13:33	WG1094069
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 13:33	WG1094069
Bromochloromethane	U		0.145	0.500	1	04/05/2018 13:33	WG1094069
Bromoform	U		0.186	0.500	1	04/05/2018 13:33	WG1094069
Bromomethane	U		0.157	2.50	1	04/05/2018 13:33	WG1094069
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 13:33	WG1094069
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 13:33	WG1094069
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 13:33	WG1094069
Carbon disulfide	U		0.101	0.500	1	04/05/2018 13:33	WG1094069
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 13:33	WG1094069
Chlorobenzene	U		0.140	0.500	1	04/05/2018 13:33	WG1094069
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 13:33	WG1094069
Chloroethane	U		0.141	2.50	1	04/05/2018 13:33	WG1094069
Chloroform	U		0.0860	0.500	1	04/05/2018 13:33	WG1094069
Chloromethane	U		0.153	1.25	1	04/05/2018 13:33	WG1094069
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 13:33	WG1094069
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 13:33	WG1094069
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 13:33	WG1094069
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 13:33	WG1094069
Dibromomethane	U		0.117	0.500	1	04/05/2018 13:33	WG1094069
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 13:33	WG1094069
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 13:33	WG1094069
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 13:33	WG1094069
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 13:33	WG1094069
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 13:33	WG1094069
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 13:33	WG1094069
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 13:33	WG1094069
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/05/2018 13:33	WG1094069
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2018 13:33	WG1094069
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 13:33	WG1094069
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 13:33	WG1094069
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 13:33	WG1094069
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 13:33	WG1094069
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 13:33	WG1094069
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 13:33	WG1094069
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 13:33	WG1094069
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 13:33	WG1094069
Ethylbenzene	U		0.158	0.500	1	04/05/2018 13:33	WG1094069
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 13:33	WG1094069
2-Hexanone	U		0.757	5.00	1	04/05/2018 13:33	WG1094069
n-Hexane	U		0.305	5.00	1	04/05/2018 13:33	WG1094069
Iodomethane	U		0.377	10.0	1	04/05/2018 13:33	WG1094069
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 13:33	WG1094069
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 13:33	WG1094069
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 13:33	WG1094069

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/05/2018 13:33	WG1094069
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 13:33	WG1094069
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 13:33	WG1094069
Naphthalene	U		0.174	2.50	1	04/05/2018 13:33	WG1094069
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 13:33	WG1094069
Styrene	U		0.117	0.500	1	04/05/2018 13:33	WG1094069
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 13:33	WG1094069
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 13:33	WG1094069
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 13:33	WG1094069
Tetrachloroethene	U		0.199	0.500	1	04/05/2018 13:33	WG1094069
Toluene	U		0.412	0.500	1	04/05/2018 13:33	WG1094069
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 13:33	WG1094069
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 13:33	WG1094069
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 13:33	WG1094069
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 13:33	WG1094069
Trichloroethene	U		0.153	0.500	1	04/05/2018 13:33	WG1094069
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 13:33	WG1094069
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 13:33	WG1094069
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 13:33	WG1094069
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 13:33	WG1094069
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 13:33	WG1094069
Vinyl acetate	U		0.645	5.00	1	04/05/2018 13:33	WG1094069
Vinyl chloride	U		0.118	0.500	1	04/05/2018 13:33	WG1094069
Xylenes, Total	U		0.316	1.50	1	04/05/2018 13:33	WG1094069
(S) Toluene-d8	*98.5*			*80.0-120*		*04/05/2018 13:33*	WG1094069
(S) Dibromofluoromethane	*97.9*			*76.0-123*		*04/05/2018 13:33*	WG1094069
(S) 4-Bromofluorobenzene	*95.0*			*80.0-120*		*04/05/2018 13:33*	WG1094069

Method Blank (MB)

(MB) R3299584-3 04/05/18 21:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*93.3*			*77.0-122*

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

(LCS) R3299584-1 04/05/18 19:59 • (LCSD) R3299584-2 04/05/18 20:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4480	4780	81.5	86.9	72.0-134			6.41	20
(S) a,a,a-Trifluorotoluene(FID)				*105*	*105*	*77.0-122*				

L981805-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L981805-01 04/06/18 00:27 • (MS) R3299584-4 04/06/18 00:49 • (MSD) R3299584-5 04/06/18 01:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	U	3030	2880	55.1	52.4	1	23.0-159			4.96	20
(S) a,a,a-Trifluorotoluene(FID)					*98.0*	*98.3*		*77.0-122*				

Method Blank (MB)

(MB) R3299790-3 04/06/18 11:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*77.0-122*

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

(LCS) R3299790-1 04/06/18 10:19 • (LCSD) R3299790-2 04/06/18 10:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4940	4610	89.9	83.7	72.0-134			7.09	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*104*	*77.0-122*				

L983082-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983082-08 04/06/18 13:04 • (MS) R3299790-4 04/06/18 20:06 • (MSD) R3299790-5 04/06/18 20:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	38.0	4920	4780	88.8	86.2	1	23.0-159			3.02	20
(S) a,a,a-Trifluorotoluene(FID)					*106*	*106*		*77.0-122*				

Method Blank (MB)

(MB) R3300287-3 04/05/18 11:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
Carbon disulfide	U		0.101	0.500
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
2-Hexanone	U		0.757	5.00
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500

Method Blank (MB)

(MB) R3300287-3 04/05/18 11:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
Vinyl acetate	U		0.645	5.00
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*93.4*			*76.0-123*
(S) 4-Bromofluorobenzene	*100*			*80.0-120*

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

(LCS) R3300287-1 04/05/18 09:39 • (LCSD) R3300287-2 04/05/18 09:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromochloromethane	25.0	26.8	26.3	107	105	76.0-122			1.85	20
Carbon disulfide	25.0	25.6	25.5	102	102	55.0-127			0.443	20
trans-1,4-Dichloro-2-butene	25.0	29.6	29.6	118	118	55.0-134			0.186	20
2-Hexanone	125	144	150	115	120	58.0-147			3.77	20
Acetone	125	153	149	123	119	10.0-160			2.93	23
n-Hexane	25.0	26.7	25.8	107	103	56.0-124			3.49	20
Iodomethane	125	130	128	104	102	57.0-140			1.53	20
Acrylonitrile	125	123	119	98.2	95.5	60.0-142			2.81	20
Benzene	25.0	25.3	24.9	101	99.5	69.0-123			1.77	20
Bromobenzene	25.0	25.7	26.5	103	106	79.0-120			3.24	20
Bromodichloromethane	25.0	26.9	26.2	107	105	76.0-120			2.33	20
Bromoform	25.0	28.9	29.4	116	117	67.0-132			1.50	20
Bromomethane	25.0	24.9	24.9	99.7	99.6	18.0-160			0.112	20
n-Butylbenzene	25.0	26.9	27.6	108	110	72.0-126			2.49	20
sec-Butylbenzene	25.0	26.4	26.5	106	106	74.0-121			0.468	20
tert-Butylbenzene	25.0	26.7	27.0	107	108	75.0-122			1.42	20
Carbon tetrachloride	25.0	27.0	25.2	108	101	63.0-122			7.07	20
Chlorobenzene	25.0	26.0	26.2	104	105	79.0-121			0.944	20
Chlorodibromomethane	25.0	27.3	28.8	109	115	75.0-125			5.37	20
Chloroethane	25.0	24.4	23.7	97.5	94.9	47.0-152			2.68	20
Chloroform	25.0	25.4	25.7	101	103	72.0-121			1.32	20
Chloromethane	25.0	24.9	25.0	99.6	100	48.0-139			0.564	20
2-Chlorotoluene	25.0	25.5	26.1	102	104	74.0-122			2.12	20
4-Chlorotoluene	25.0	26.6	27.2	106	109	79.0-120			2.25	20
1,2-Dibromo-3-Chloropropane	25.0	25.4	26.2	101	105	64.0-127			3.19	20
1,2-Dibromoethane	25.0	26.7	28.0	107	112	77.0-123			4.84	20
Dibromomethane	25.0	27.0	26.6	108	106	78.0-120			1.25	20
1,2-Dichlorobenzene	25.0	25.7	26.1	103	105	80.0-120			1.52	20
Vinyl acetate	125	158	153	126	122	46.0-160			2.97	20
1,3-Dichlorobenzene	25.0	26.6	26.9	106	108	72.0-123			1.29	20
1,4-Dichlorobenzene	25.0	25.0	25.8	99.9	103	77.0-120			3.18	20
Dichlorodifluoromethane	25.0	27.8	28.0	111	112	49.0-155			0.666	20
1,1-Dichloroethane	25.0	25.7	25.3	103	101	70.0-126			1.70	20
1,2-Dichloroethane	25.0	26.4	25.6	106	102	67.0-126			3.23	20
1,1-Dichloroethene	25.0	25.6	25.5	102	102	64.0-129			0.260	20
cis-1,2-Dichloroethene	25.0	26.2	25.3	105	101	73.0-120			3.63	20
trans-1,2-Dichloroethene	25.0	26.3	25.7	105	103	71.0-121			2.47	20
1,2-Dichloropropane	25.0	26.3	25.2	105	101	75.0-125			4.23	20
1,1-Dichloropropene	25.0	25.6	25.7	102	103	71.0-129			0.503	20
1,3-Dichloropropane	25.0	25.9	26.2	104	105	80.0-121			1.19	20

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

(LCS) R3300287-1 04/05/18 09:39 • (LCSD) R3300287-2 04/05/18 09:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	25.0	27.2	28.0	109	112	79.0-123			3.01	20
trans-1,3-Dichloropropene	25.0	26.7	27.6	107	110	74.0-127			3.23	20
2,2-Dichloropropane	25.0	28.1	26.5	112	106	60.0-125			5.54	20
Di-isopropyl ether	25.0	25.4	24.0	102	96.1	59.0-133			5.69	20
Ethylbenzene	25.0	26.7	27.1	107	108	77.0-120			1.24	20
Hexachloro-1,3-butadiene	25.0	26.3	27.9	105	112	64.0-131			5.94	20
Isopropylbenzene	25.0	26.5	26.7	106	107	75.0-120			0.803	20
p-Isopropyltoluene	25.0	27.7	27.7	111	111	74.0-126			0.0332	20
2-Butanone (MEK)	125	164	160	131	128	37.0-158			2.46	20
Methylene Chloride	25.0	25.5	24.2	102	96.8	66.0-121			5.06	20
4-Methyl-2-pentanone (MIBK)	125	127	129	101	103	59.0-143			1.65	20
Methyl tert-butyl ether	25.0	27.7	25.8	111	103	64.0-123			7.13	20
Naphthalene	25.0	25.0	26.3	99.9	105	62.0-128			5.29	20
n-Propylbenzene	25.0	26.5	27.1	106	108	79.0-120			2.22	20
Styrene	25.0	27.6	28.5	110	114	78.0-124			3.39	20
1,1,1,2-Tetrachloroethane	25.0	26.2	25.7	105	103	75.0-122			1.91	20
1,1,2,2-Tetrachloroethane	25.0	27.8	27.4	111	110	71.0-122			1.30	20
1,1,2-Trichlorotrifluoroethane	25.0	25.8	25.6	103	102	61.0-136			1.02	20
Tetrachloroethene	25.0	27.4	28.8	110	115	70.0-127			5.07	20
Toluene	25.0	26.2	26.8	105	107	77.0-120			2.37	20
1,2,3-Trichlorobenzene	25.0	24.6	25.6	98.6	102	61.0-133			3.83	20
1,2,4-Trichlorobenzene	25.0	25.1	26.4	100	105	69.0-129			5.06	20
1,1,1-Trichloroethane	25.0	26.7	25.8	107	103	68.0-122			3.31	20
1,1,2-Trichloroethane	25.0	26.5	26.7	106	107	78.0-120			0.679	20
Trichloroethene	25.0	25.7	25.9	103	103	78.0-120			0.823	20
Trichlorofluoromethane	25.0	25.1	26.1	100	104	56.0-137			3.97	20
1,2,3-Trichloropropane	25.0	27.0	26.3	108	105	72.0-124			2.70	20
1,2,4-Trimethylbenzene	25.0	26.4	27.2	105	109	75.0-120			3.01	20
1,2,3-Trimethylbenzene	25.0	26.0	26.2	104	105	75.0-120			0.439	20
1,3,5-Trimethylbenzene	25.0	25.7	26.0	103	104	75.0-120			1.11	20
Vinyl chloride	25.0	25.9	26.0	103	104	64.0-133			0.463	20
Xylenes, Total	75.0	79.1	80.4	105	107	77.0-120			1.63	20
(S) Toluene-d8				*95.7*	*99.1*	*80.0-120*				
(S) Dibromofluoromethane				*93.2*	*93.8*	*76.0-123*				
(S) 4-Bromofluorobenzene				*96.0*	*98.6*	*80.0-120*				

Method Blank (MB)

(MB) R3299989-2 04/05/18 12:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
2-Hexanone	U		0.757	5.00

Method Blank (MB)

(MB) R3299989-2 04/05/18 12:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
n-Hexane	U		0.305	5.00
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Vinyl acetate	U		0.645	5.00
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*96.4*			*76.0-123*
(S) 4-Bromofluorobenzene	*99.6*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3299989-1 04/05/18 11:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	25.8	103	76.0-122	
Carbon disulfide	25.0	25.4	102	55.0-127	
Acetone	125	143	114	10.0-160	
Acrylonitrile	125	127	102	60.0-142	
trans-1,4-Dichloro-2-butene	25.0	27.7	111	55.0-134	
Benzene	25.0	24.5	98.1	69.0-123	
Bromobenzene	25.0	25.0	99.9	79.0-120	
Bromodichloromethane	25.0	24.7	98.8	76.0-120	
2-Hexanone	125	140	112	58.0-147	
Bromoform	25.0	25.8	103	67.0-132	
Bromomethane	25.0	25.0	99.9	18.0-160	
n-Hexane	25.0	24.7	99.0	56.0-124	
Iodomethane	125	130	104	57.0-140	
n-Butylbenzene	25.0	25.2	101	72.0-126	
sec-Butylbenzene	25.0	26.5	106	74.0-121	
tert-Butylbenzene	25.0	25.8	103	75.0-122	
Carbon tetrachloride	25.0	24.3	97.3	63.0-122	
Chlorobenzene	25.0	25.9	104	79.0-121	
Chlorodibromomethane	25.0	26.4	106	75.0-125	
Chloroethane	25.0	23.2	92.8	47.0-152	
Chloroform	25.0	24.8	99.4	72.0-121	
Chloromethane	25.0	25.0	100	48.0-139	
2-Chlorotoluene	25.0	25.7	103	74.0-122	
4-Chlorotoluene	25.0	25.3	101	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	24.8	99.1	64.0-127	
1,2-Dibromoethane	25.0	27.2	109	77.0-123	
Dibromomethane	25.0	25.9	103	78.0-120	
1,2-Dichlorobenzene	25.0	25.2	101	80.0-120	
1,3-Dichlorobenzene	25.0	26.3	105	72.0-123	
1,4-Dichlorobenzene	25.0	24.6	98.5	77.0-120	
Dichlorodifluoromethane	25.0	26.3	105	49.0-155	
1,1-Dichloroethane	25.0	25.8	103	70.0-126	
1,2-Dichloroethane	25.0	26.3	105	67.0-126	
1,1-Dichloroethene	25.0	23.9	95.5	64.0-129	
Vinyl acetate	125	123	98.4	46.0-160	
cis-1,2-Dichloroethene	25.0	24.2	96.6	73.0-120	
trans-1,2-Dichloroethene	25.0	24.8	99.4	71.0-121	
1,2-Dichloropropane	25.0	25.9	104	75.0-125	
1,1-Dichloropropene	25.0	26.1	104	71.0-129	
1,3-Dichloropropane	25.0	26.0	104	80.0-121	

Laboratory Control Sample (LCS)

(LCS) R3299989-1 04/05/18 11:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,3-Dichloropropene	25.0	26.7	107	79.0-123	
trans-1,3-Dichloropropene	25.0	27.1	108	74.0-127	
2,2-Dichloropropane	25.0	26.8	107	60.0-125	
Di-isopropyl ether	25.0	25.3	101	59.0-133	
Ethylbenzene	25.0	25.1	100	77.0-120	
Hexachloro-1,3-butadiene	25.0	25.1	100	64.0-131	
Isopropylbenzene	25.0	26.5	106	75.0-120	
p-Isopropyltoluene	25.0	26.3	105	74.0-126	
2-Butanone (MEK)	125	138	111	37.0-158	
Methylene Chloride	25.0	24.1	96.6	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	130	104	59.0-143	
Methyl tert-butyl ether	25.0	25.7	103	64.0-123	
Naphthalene	25.0	24.0	96.0	62.0-128	
n-Propylbenzene	25.0	25.3	101	79.0-120	
Styrene	25.0	25.8	103	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	26.3	105	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	25.0	100	71.0-122	
Tetrachloroethene	25.0	26.2	105	70.0-127	
Toluene	25.0	25.2	101	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	27.1	108	61.0-136	
1,2,3-Trichlorobenzene	25.0	23.4	93.8	61.0-133	
1,2,4-Trichlorobenzene	25.0	24.6	98.4	69.0-129	
1,1,1-Trichloroethane	25.0	24.6	98.4	68.0-122	
1,1,2-Trichloroethane	25.0	24.5	98.1	78.0-120	
Trichloroethene	25.0	25.9	104	78.0-120	
Trichlorofluoromethane	25.0	26.6	106	56.0-137	
1,2,3-Trichloropropane	25.0	25.7	103	72.0-124	
1,2,3-Trimethylbenzene	25.0	25.8	103	75.0-120	
1,2,4-Trimethylbenzene	25.0	25.7	103	75.0-120	
1,3,5-Trimethylbenzene	25.0	26.1	104	75.0-120	
Vinyl chloride	25.0	26.4	106	64.0-133	
Xylenes, Total	75.0	76.4	102	77.0-120	
(S) Toluene-d8			*100*	*80.0-120*	
(S) Dibromofluoromethane			*97.2*	*76.0-123*	
(S) 4-Bromofluorobenzene			*99.3*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

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

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

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

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

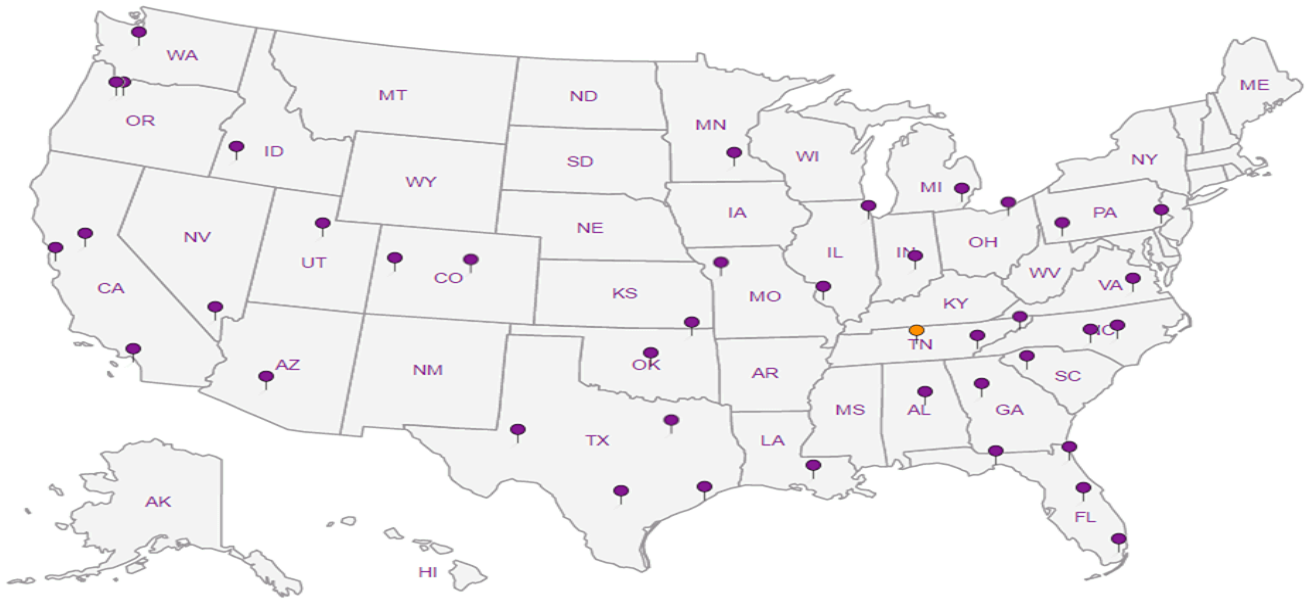
Third Party Federal Accreditations

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

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

Our Locations

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



Chain of Custody Page 1 of 2

ESC LABORATORY SCIENCES
a subsidiary of Pace Analytical
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L983082
B217

Acctnum: PESENVSWA
Template: T134175
Prelogin: P645197
TSR: 110 - Brian Ford
PB: 3-22-18 CS
Shipped Via: FedEx Ground

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: American Linen Supply

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
IW-6B-040218	Grab	GW		4/2/18	0836	3						X		-01
IW-7A-040218		GW		4/2/18	0920	3						X		-02
IW-33B-040218		GW		4/2/18	1028	3						X		-03
IW-22A-040218		GW		4/2/18	1108	3						X		-04
IW-21B-040218		GW		4/2/18	1149	3						X		-05
IW-48A-040218		GW		4/2/18	1242	3						X		-06
IW-9C-040218		GW		4/2/18	1420	3						X		-07
R-MW2-040218		GW		4/2/18	1540	6		X				X		-08
IW-3D-040318		GW		4/3/18	0856	3						X		-09
IW-1D-040318	↓	GW		4/3/18	1016	3						X		-10

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

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4269 9210 7151

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 0.3 °C Bottles Received: 3336

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 904

Date: 4/4/18 Time: 8:45

Chain of Custody Page 2 of 2

ESC LABS — a subsidiary of Pace Analytical

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

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

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

Project Description: Americom Linen Supply

City/State Collected: Seattle, WA

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

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Quote #

L# 1983082

Table #

Acctnum: PESENVSWA
Template: T134175
Prelogin: P645197
TSR: 110 - Brian Ford
PB: 3-22-18 CS

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
IW-6D-040318	Grab	GW		4/3/18	1255	3						X		-11
Trip Blank		GW				1		X				X		-12
		GW												
		GW												
		GW												
		GW												
		GW												
		GW												
		GW												
		GW												

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

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4269 9210 7151

Trip Blank Received: (Yes) No
HCl / MeoH
TBR

Temp: 0.3°C Bottles Received: 36

Date: 4/4/18 Time: 8:45

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

If preservation required by Login: Date/Time

Hold:

Conditions NCF / OK

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.27 J	J	1.05	25.0	1	04/05/2018 15:39	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 15:39	WG1093952
Benzene	0.350 J	J	0.0896	0.500	1	04/05/2018 15:39	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 15:39	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 15:39	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 15:39	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 15:39	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 15:39	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 15:39	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 15:39	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 15:39	WG1093952
Carbon disulfide	U		0.101	0.500	1	04/05/2018 15:39	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 15:39	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 15:39	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 15:39	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 15:39	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 15:39	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 15:39	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 15:39	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 15:39	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 15:39	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 15:39	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 15:39	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 15:39	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 15:39	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 15:39	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 15:39	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 15:39	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 15:39	WG1093952
1,1-Dichloroethene	12.2		0.188	0.500	1	04/05/2018 15:39	WG1093952
cis-1,2-Dichloroethene	2270		9.33	50.0	100	04/09/2018 22:16	WG1093952
trans-1,2-Dichloroethene	13.6		0.152	0.500	1	04/05/2018 15:39	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 15:39	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 15:39	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 15:39	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 15:39	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 15:39	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 15:39	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 15:39	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 15:39	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 15:39	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 15:39	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 15:39	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 15:39	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 15:39	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 15:39	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 15:39	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 15:39	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 15:39	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 15:39	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 15:39	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 15:39	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 15:39	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 15:39	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 15:39	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 15:39	WG1093952

JC 4/24/18

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 15:39	WG1093952
Tetrachloroethene	590		19.9	50.0	100	04/09/2018 22:16	WG1093952
Toluene	0.453 J	J	0.412	0.500	1	04/05/2018 15:39	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 15:39	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 15:39	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 15:39	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 15:39	WG1093952
Trichloroethene	847		15.3	50.0	100	04/09/2018 22:16	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 15:39	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 15:39	WG1093952
1,2,4-Trimethylbenzene	0.212 J	J	0.123	0.500	1	04/05/2018 15:39	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 15:39	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 15:39	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 15:39	WG1093952
Vinyl chloride	24.1		0.118	0.500	1	04/05/2018 15:39	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 15:39	WG1093952
(S) Toluene-d8	*98.8*			*80.0-120*		*04/09/2018 22:16*	WG1093952
(S) Toluene-d8	*100*			*80.0-120*		*04/05/2018 15:39*	WG1093952
(S) Dibromofluoromethane	*96.3*			*76.0-123*		*04/05/2018 15:39*	WG1093952
(S) Dibromofluoromethane	*98.8*			*76.0-123*		*04/09/2018 22:16*	WG1093952
(S) 4-Bromofluorobenzene	*97.9*			*80.0-120*		*04/05/2018 15:39*	WG1093952
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/09/2018 22:16*	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.08	J J	1.05	25.0	1	04/05/2018 15:58	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 15:58	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 15:58	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 15:58	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 15:58	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 15:58	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 15:58	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 15:58	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 15:58	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 15:58	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 15:58	WG1093952
Carbon disulfide	0.144	J J	0.101	0.500	1	04/05/2018 15:58	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 15:58	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 15:58	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 15:58	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 15:58	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 15:58	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 15:58	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 15:58	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 15:58	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 15:58	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 15:58	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 15:58	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 15:58	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 15:58	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 15:58	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 15:58	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 15:58	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 15:58	WG1093952
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 15:58	WG1093952
cis-1,2-Dichloroethene	8.74		0.0933	0.500	1	04/09/2018 22:36	WG1093952
trans-1,2-Dichloroethene	0.295	J J	0.152	0.500	1	04/05/2018 15:58	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 15:58	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 15:58	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 15:58	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 15:58	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 15:58	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 15:58	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 15:58	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 15:58	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 15:58	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 15:58	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 15:58	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 15:58	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 15:58	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 15:58	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 15:58	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 15:58	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 15:58	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 15:58	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 15:58	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 15:58	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 15:58	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 15:58	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 15:58	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 15:58	WG1093952

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

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 15:58	WG1093952
Tetrachloroethene	0.335 J	J	0.199	0.500	1	04/09/2018 22:36	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 15:58	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 15:58	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 15:58	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 15:58	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 15:58	WG1093952
Trichloroethene	2.09		0.153	0.500	1	04/09/2018 22:36	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 15:58	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 15:58	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 15:58	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 15:58	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 15:58	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 15:58	WG1093952
Vinyl chloride	1.20		0.118	0.500	1	04/05/2018 15:58	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 15:58	WG1093952
(S) Toluene-d8	*102*			*80.0-120*		*04/05/2018 15:58*	WG1093952
(S) Toluene-d8	*100*			*80.0-120*		*04/09/2018 22:36*	WG1093952
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/09/2018 22:36*	WG1093952
(S) Dibromofluoromethane	*94.7*			*76.0-123*		*04/05/2018 15:58*	WG1093952
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/09/2018 22:36*	WG1093952
(S) 4-Bromofluorobenzene	*99.6*			*80.0-120*		*04/05/2018 15:58*	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.69 J	J	1.05	25.0	1	04/05/2018 16:18	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 16:18	WG1093952
Benzene	0.560		0.0896	0.500	1	04/05/2018 16:18	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 16:18	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 16:18	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 16:18	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 16:18	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 16:18	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 16:18	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 16:18	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 16:18	WG1093952
Carbon disulfide	0.915		0.101	0.500	1	04/05/2018 16:18	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 16:18	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 16:18	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 16:18	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 16:18	WG1093952
Chloroform	0.200 J	J	0.0860	0.500	1	04/05/2018 16:18	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 16:18	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 16:18	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 16:18	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 16:18	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 16:18	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 16:18	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 16:18	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 16:18	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 16:18	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 16:18	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 16:18	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 16:18	WG1093952
1,1-Dichloroethene	49.7		0.188	0.500	1	04/05/2018 16:18	WG1093952
cis-1,2-Dichloroethene	18200		23.3	125	250	04/09/2018 22:55	WG1093952
trans-1,2-Dichloroethene	228		38.0	125	250	04/09/2018 22:55	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 16:18	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 16:18	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 16:18	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 16:18	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 16:18	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 16:18	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 16:18	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 16:18	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 16:18	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 16:18	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 16:18	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 16:18	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 16:18	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 16:18	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 16:18	WG1093952
2-Butanone (MEK)	1.35 J	J	1.28	5.00	1	04/05/2018 16:18	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 16:18	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 16:18	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 16:18	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 16:18	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 16:18	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 16:18	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 16:18	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 16:18	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 16:18	WG1093952
Tetrachloroethene	31.6		0.199	0.500	1	04/05/2018 16:18	WG1093952
Toluene	2.30		0.412	0.500	1	04/05/2018 16:18	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 16:18	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 16:18	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 16:18	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 16:18	WG1093952
Trichloroethene	1800		38.2	125	250	04/09/2018 22:55	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 16:18	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 16:18	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 16:18	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 16:18	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 16:18	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 16:18	WG1093952
Vinyl chloride	2410		29.5	125	250	04/09/2018 22:55	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 16:18	WG1093952
(S) Toluene-d8	*98.5*			*80.0-120*		*04/09/2018 22:55*	WG1093952
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 16:18*	WG1093952
(S) Dibromofluoromethane	*96.0*			*76.0-123*		*04/05/2018 16:18*	WG1093952
(S) Dibromofluoromethane	*98.7*			*76.0-123*		*04/09/2018 22:55*	WG1093952
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/05/2018 16:18*	WG1093952
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/09/2018 22:55*	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.74 J	J	1.05	25.0	1	04/05/2018 16:38	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 16:38	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 16:38	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 16:38	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 16:38	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 16:38	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 16:38	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 16:38	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 16:38	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 16:38	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 16:38	WG1093952
Carbon disulfide	U		0.101	0.500	1	04/05/2018 16:38	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 16:38	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 16:38	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 16:38	WG1093952
Chloroethane	0.395 J	J	0.141	2.50	1	04/05/2018 16:38	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 16:38	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 16:38	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 16:38	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 16:38	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 16:38	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 16:38	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 16:38	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 16:38	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 16:38	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 16:38	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 16:38	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 16:38	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 16:38	WG1093952
1,1-Dichloroethene	1.07		0.188	0.500	1	04/05/2018 16:38	WG1093952
cis-1,2-Dichloroethene	128		0.933	5.00	10	04/10/2018 17:57	WG1093952
trans-1,2-Dichloroethene	6.88		0.152	0.500	1	04/09/2018 23:15	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 16:38	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 16:38	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 16:38	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 16:38	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 16:38	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 16:38	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 16:38	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 16:38	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 16:38	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 16:38	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 16:38	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 16:38	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 16:38	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 16:38	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 16:38	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 16:38	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 16:38	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 16:38	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 16:38	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 16:38	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 16:38	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 16:38	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 16:38	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 16:38	WG1093952

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 16:38	WG1093952
Tetrachloroethene	3.88		0.199	0.500	1	04/05/2018 16:38	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 16:38	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 16:38	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 16:38	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 16:38	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 16:38	WG1093952
Trichloroethene	1.10		0.153	0.500	1	04/09/2018 23:15	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 16:38	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 16:38	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 16:38	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 16:38	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 16:38	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 16:38	WG1093952
Vinyl chloride	232		1.18	5.00	10	04/10/2018 17:57	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 16:38	WG1093952
(S) Toluene-d8	*99.2*			*80.0-120*		*04/05/2018 16:38*	WG1093952
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 17:57*	WG1093952
(S) Toluene-d8	*100*			*80.0-120*		*04/09/2018 23:15*	WG1093952
(S) Dibromofluoromethane	*96.5*			*76.0-123*		*04/05/2018 16:38*	WG1093952
(S) Dibromofluoromethane	*91.6*			*76.0-123*		*04/10/2018 17:57*	WG1093952
(S) Dibromofluoromethane	*98.7*			*76.0-123*		*04/09/2018 23:15*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/09/2018 23:15*	WG1093952
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/10/2018 17:57*	WG1093952
(S) 4-Bromofluorobenzene	*99.5*			*80.0-120*		*04/05/2018 16:38*	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.92 J	J	1.05	25.0	1	04/05/2018 16:58	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 16:58	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 16:58	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 16:58	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 16:58	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 16:58	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 16:58	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 16:58	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 16:58	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 16:58	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 16:58	WG1093952
Carbon disulfide	3.64		0.101	0.500	1	04/05/2018 16:58	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 16:58	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 16:58	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 16:58	WG1093952
Chloroethane	1.28 J	J	0.141	2.50	1	04/05/2018 16:58	WG1093952
Chloroform	0.182 J	J	0.0860	0.500	1	04/05/2018 16:58	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 16:58	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 16:58	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 16:58	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 16:58	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 16:58	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 16:58	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 16:58	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 16:58	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 16:58	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 16:58	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 16:58	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 16:58	WG1093952
1,1-Dichloroethene	14.3		0.188	0.500	1	04/05/2018 16:58	WG1093952
cis-1,2-Dichloroethene	4600		9.33	50.0	100	04/09/2018 23:34	WG1093952
trans-1,2-Dichloroethene	58.5		0.152	0.500	1	04/05/2018 16:58	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 16:58	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 16:58	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 16:58	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 16:58	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 16:58	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 16:58	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 16:58	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 16:58	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 16:58	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 16:58	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 16:58	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 16:58	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 16:58	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 16:58	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 16:58	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 16:58	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 16:58	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 16:58	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 16:58	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 16:58	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 16:58	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 16:58	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 16:58	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 16:58	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 16:58	WG1093952
Tetrachloroethene	1.51		0.199	0.500	1	04/05/2018 16:58	WG1093952
Toluene	0.438 J	J	0.412	0.500	1	04/05/2018 16:58	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 16:58	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 16:58	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 16:58	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 16:58	WG1093952
Trichloroethene	148		0.153	0.500	1	04/05/2018 16:58	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 16:58	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 16:58	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 16:58	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 16:58	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 16:58	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 16:58	WG1093952
Vinyl chloride	1200		11.8	50.0	100	04/09/2018 23:34	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 16:58	WG1093952
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 16:58*	WG1093952
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 23:34*	WG1093952
(S) Dibromofluoromethane	*95.7*			*76.0-123*		*04/05/2018 16:58*	WG1093952
(S) Dibromofluoromethane	*99.9*			*76.0-123*		*04/09/2018 23:34*	WG1093952
(S) 4-Bromofluorobenzene	*99.4*			*80.0-120*		*04/05/2018 16:58*	WG1093952
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/09/2018 23:34*	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	117		1.05	25.0	1	04/05/2018 17:17	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 17:17	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 17:17	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 17:17	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 17:17	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 17:17	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 17:17	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 17:17	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 17:17	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 17:17	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 17:17	WG1093952
Carbon disulfide	U		0.101	0.500	1	04/05/2018 17:17	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 17:17	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 17:17	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 17:17	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 17:17	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 17:17	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 17:17	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 17:17	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 17:17	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 17:17	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 17:17	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 17:17	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 17:17	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 17:17	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 17:17	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 17:17	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 17:17	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 17:17	WG1093952
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 17:17	WG1093952
cis-1,2-Dichloroethene	1.16		0.0933	0.500	1	04/09/2018 23:54	WG1093952
trans-1,2-Dichloroethene	1.04		0.152	0.500	1	04/05/2018 17:17	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 17:17	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 17:17	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 17:17	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 17:17	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 17:17	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 17:17	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 17:17	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 17:17	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 17:17	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 17:17	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 17:17	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 17:17	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 17:17	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 17:17	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 17:17	WG1093952
2-Butanone (MEK)	119		1.28	5.00	1	04/05/2018 17:17	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 17:17	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 17:17	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 17:17	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 17:17	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 17:17	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 17:17	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 17:17	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 17:17	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 17:17	WG1093952
Tetrachloroethene	0.425 J	J	0.199	0.500	1	04/05/2018 17:17	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 17:17	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 17:17	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 17:17	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 17:17	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 17:17	WG1093952
Trichloroethene	0.622		0.153	0.500	1	04/05/2018 17:17	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 17:17	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 17:17	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 17:17	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 17:17	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 17:17	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 17:17	WG1093952
Vinyl chloride	16.3		0.118	0.500	1	04/09/2018 23:54	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 17:17	WG1093952
(S) Toluene-d8	*102*			*80.0-120*		*04/09/2018 23:54*	WG1093952
(S) Toluene-d8	*99.4*			*80.0-120*		*04/05/2018 17:17*	WG1093952
(S) Dibromofluoromethane	*96.9*			*76.0-123*		*04/05/2018 17:17*	WG1093952
(S) Dibromofluoromethane	*98.0*			*76.0-123*		*04/09/2018 23:54*	WG1093952
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/05/2018 17:17*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/09/2018 23:54*	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.49 J	J	1.05	25.0	1	04/05/2018 17:37	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 17:37	WG1093952
Benzene	0.285 J	J	0.0896	0.500	1	04/05/2018 17:37	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 17:37	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 17:37	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 17:37	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 17:37	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 17:37	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 17:37	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 17:37	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 17:37	WG1093952
Carbon disulfide	1.07		0.101	0.500	1	04/05/2018 17:37	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 17:37	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 17:37	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 17:37	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 17:37	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 17:37	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 17:37	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 17:37	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 17:37	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 17:37	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 17:37	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 17:37	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 17:37	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 17:37	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 17:37	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 17:37	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 17:37	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 17:37	WG1093952
1,1-Dichloroethene	55.4		0.188	0.500	1	04/05/2018 17:37	WG1093952
cis-1,2-Dichloroethene	20400		23.3	125	250	04/10/2018 00:14	WG1093952
trans-1,2-Dichloroethene	107		0.152	0.500	1	04/05/2018 17:37	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 17:37	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 17:37	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 17:37	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 17:37	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 17:37	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 17:37	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 17:37	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 17:37	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 17:37	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 17:37	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 17:37	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 17:37	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 17:37	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 17:37	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 17:37	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 17:37	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 17:37	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 17:37	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 17:37	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 17:37	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 17:37	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 17:37	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 17:37	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 17:37	WG1093952

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 17:37	WG1093952
Tetrachloroethene	3.15		0.199	0.500	1	04/05/2018 17:37	WG1093952
Toluene	0.690		0.412	0.500	1	04/05/2018 17:37	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 17:37	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 17:37	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 17:37	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 17:37	WG1093952
Trichloroethene	49.7		0.153	0.500	1	04/05/2018 17:37	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 17:37	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 17:37	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 17:37	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 17:37	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 17:37	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 17:37	WG1093952
Vinyl chloride	3780		29.5	125	250	04/10/2018 00:14	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 17:37	WG1093952
(S) Toluene-d8	*99.7*			*80.0-120*		*04/05/2018 17:37*	WG1093952
(S) Toluene-d8	*98.0*			*80.0-120*		*04/10/2018 00:14*	WG1093952
(S) Dibromofluoromethane	*99.4*			*76.0-123*		*04/10/2018 00:14*	WG1093952
(S) Dibromofluoromethane	*99.5*			*76.0-123*		*04/05/2018 17:37*	WG1093952
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/05/2018 17:37*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 00:14*	WG1093952

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	38.0 U	J	31.6	100	1	04/06/2018 13:04	WG1094563
(S) a,a,a-Trifluorotoluene(FID)	*93.7*			*77.0-122*		*04/06/2018 13:04*	WG1094563

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.51 J	J	1.05	25.0	1	04/05/2018 17:57	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 17:57	WG1093952
Benzene	0.568		0.0896	0.500	1	04/05/2018 17:57	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 17:57	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 17:57	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 17:57	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 17:57	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 17:57	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 17:57	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 17:57	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 17:57	WG1093952
Carbon disulfide	U		0.101	0.500	1	04/05/2018 17:57	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 17:57	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 17:57	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 17:57	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 17:57	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 17:57	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 17:57	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 17:57	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 17:57	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 17:57	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 17:57	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 17:57	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 17:57	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 17:57	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 17:57	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 17:57	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 17:57	WG1093952
1,2-Dichloroethane	0.141 J	J	0.108	0.500	1	04/05/2018 17:57	WG1093952
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 17:57	WG1093952
cis-1,2-Dichloroethene	2.48		0.0933	0.500	1	04/10/2018 00:34	WG1093952
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2018 17:57	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 17:57	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 17:57	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 17:57	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 17:57	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 17:57	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 17:57	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 17:57	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 17:57	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 17:57	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 17:57	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 17:57	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 17:57	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 17:57	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 17:57	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 17:57	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 17:57	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/05/2018 17:57	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 17:57	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 17:57	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 17:57	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 17:57	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 17:57	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 17:57	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 17:57	WG1093952
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 17:57	WG1093952
Tetrachloroethene	0.866		0.199	0.500	1	04/05/2018 17:57	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 17:57	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 17:57	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 17:57	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 17:57	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 17:57	WG1093952
Trichloroethene	0.620		0.153	0.500	1	04/05/2018 17:57	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 17:57	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 17:57	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 17:57	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 17:57	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 17:57	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 17:57	WG1093952
Vinyl chloride	1.33		0.118	0.500	1	04/10/2018 00:34	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 17:57	WG1093952
(S) Toluene-d8	*100*			*80.0-120*		*04/05/2018 17:57*	WG1093952
(S) Toluene-d8	*98.3*			*80.0-120*		*04/10/2018 00:34*	WG1093952
(S) Dibromofluoromethane	*91.9*			*76.0-123*		*04/05/2018 17:57*	WG1093952
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/10/2018 00:34*	WG1093952
(S) 4-Bromofluorobenzene	*99.6*			*80.0-120*		*04/05/2018 17:57*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 00:34*	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	5.37	J J	1.05	25.0	1	04/05/2018 18:17	WG1093952	
Acrylonitrile	U		0.873	5.00	1	04/05/2018 18:17	WG1093952	
Benzene	U		0.0896	0.500	1	04/05/2018 18:17	WG1093952	
Bromobenzene	U		0.133	0.500	1	04/05/2018 18:17	WG1093952	
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 18:17	WG1093952	
Bromochloromethane	U		0.145	0.500	1	04/05/2018 18:17	WG1093952	
Bromoform	U		0.186	0.500	1	04/05/2018 18:17	WG1093952	
Bromomethane	U		0.157	2.50	1	04/05/2018 18:17	WG1093952	
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 18:17	WG1093952	
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 18:17	WG1093952	
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 18:17	WG1093952	
Carbon disulfide	3.26		0.101	0.500	1	04/05/2018 18:17	WG1093952	
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 18:17	WG1093952	
Chlorobenzene	U		0.140	0.500	1	04/05/2018 18:17	WG1093952	
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 18:17	WG1093952	
Chloroethane	U		0.141	2.50	1	04/05/2018 18:17	WG1093952	
Chloroform	0.408	J J	0.0860	0.500	1	04/05/2018 18:17	WG1093952	
Chloromethane	U		0.153	1.25	1	04/05/2018 18:17	WG1093952	
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 18:17	WG1093952	
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 18:17	WG1093952	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 18:17	WG1093952	
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 18:17	WG1093952	
Dibromomethane	U		0.117	0.500	1	04/05/2018 18:17	WG1093952	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 18:17	WG1093952	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 18:17	WG1093952	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 18:17	WG1093952	
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 18:17	WG1093952	
1,1-Dichloroethane	0.168	J J	0.114	0.500	1	04/05/2018 18:17	WG1093952	
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 18:17	WG1093952	
1,1-Dichloroethene	61.5		0.188	0.500	1	04/05/2018 18:17	WG1093952	
cis-1,2-Dichloroethene	9860		23.3	125	250	04/10/2018 00:53	WG1093952	
trans-1,2-Dichloroethene	16.4		0.152	0.500	1	04/05/2018 18:17	WG1093952	
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 18:17	WG1093952	
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 18:17	WG1093952	
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 18:17	WG1093952	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 18:17	WG1093952	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 18:17	WG1093952	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 18:17	WG1093952	
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 18:17	WG1093952	
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 18:17	WG1093952	
Ethylbenzene	U		0.158	0.500	1	04/05/2018 18:17	WG1093952	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 18:17	WG1093952	
2-Hexanone	U		0.757	5.00	1	04/05/2018 18:17	WG1093952	
n-Hexane	U		0.305	5.00	1	04/05/2018 18:17	WG1093952	
Iodomethane	U		0.377	10.0	1	04/05/2018 18:17	WG1093952	
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 18:17	WG1093952	
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 18:17	WG1093952	
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 18:17	WG1093952	
Methylene Chloride	U		1.07	2.50	1	04/05/2018 18:17	WG1093952	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 18:17	WG1093952	
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 18:17	WG1093952	
Naphthalene	U		0.174	2.50	1	04/05/2018 18:17	WG1093952	
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 18:17	WG1093952	
Styrene	U		0.117	0.500	1	04/05/2018 18:17	WG1093952	JC 4/24/18
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 18:17	WG1093952	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 18:17	WG1093952	

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 18:17	WG1093952
Tetrachloroethene	4240		49.8	125	250	04/10/2018 00:53	WG1093952
Toluene	1.28		0.412	0.500	1	04/05/2018 18:17	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 18:17	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 18:17	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 18:17	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 18:17	WG1093952
Trichloroethene	4600		38.2	125	250	04/10/2018 00:53	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 18:17	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 18:17	WG1093952
1,2,4-Trimethylbenzene	0.391 J	J	0.123	0.500	1	04/05/2018 18:17	WG1093952
1,2,3-Trimethylbenzene	0.145 J	J	0.0739	0.500	1	04/05/2018 18:17	WG1093952
1,3,5-Trimethylbenzene	0.134 J	J	0.124	0.500	1	04/05/2018 18:17	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 18:17	WG1093952
Vinyl chloride	37.1		0.118	0.500	1	04/05/2018 18:17	WG1093952
Xylenes, Total	0.409 J	J	0.316	1.50	1	04/05/2018 18:17	WG1093952
(S) Toluene-d8	*95.8*			*80.0-120*		*04/05/2018 18:17*	WG1093952
(S) Toluene-d8	*101*			*80.0-120*		*04/10/2018 00:53*	WG1093952
(S) Dibromofluoromethane	*99.3*			*76.0-123*		*04/10/2018 00:53*	WG1093952
(S) Dibromofluoromethane	*95.5*			*76.0-123*		*04/05/2018 18:17*	WG1093952
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 00:53*	WG1093952
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/05/2018 18:17*	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	29.1 J	J	10.5	250	10	04/05/2018 18:36	WG1093952
Acrylonitrile	U		8.73	50.0	10	04/05/2018 18:36	WG1093952
Benzene	U		0.896	5.00	10	04/05/2018 18:36	WG1093952
Bromobenzene	U		1.33	5.00	10	04/05/2018 18:36	WG1093952
Bromodichloromethane	U		0.800	5.00	10	04/05/2018 18:36	WG1093952
Bromochloromethane	U		1.45	5.00	10	04/05/2018 18:36	WG1093952
Bromoform	U		1.86	5.00	10	04/05/2018 18:36	WG1093952
Bromomethane	U		1.57	25.0	10	04/05/2018 18:36	WG1093952
n-Butylbenzene	U		1.43	5.00	10	04/05/2018 18:36	WG1093952
sec-Butylbenzene	U		1.34	5.00	10	04/05/2018 18:36	WG1093952
tert-Butylbenzene	U		1.83	5.00	10	04/05/2018 18:36	WG1093952
Carbon disulfide	U		1.01	5.00	10	04/05/2018 18:36	WG1093952
Carbon tetrachloride	U		1.59	5.00	10	04/05/2018 18:36	WG1093952
Chlorobenzene	U		1.40	5.00	10	04/05/2018 18:36	WG1093952
Chlorodibromomethane	U		1.28	5.00	10	04/05/2018 18:36	WG1093952
Chloroethane	U		1.41	25.0	10	04/05/2018 18:36	WG1093952
Chloroform	0.968 J	J	0.860	5.00	10	04/05/2018 18:36	WG1093952
Chloromethane	U		1.53	12.5	10	04/05/2018 18:36	WG1093952
2-Chlorotoluene	U		1.11	5.00	10	04/05/2018 18:36	WG1093952
4-Chlorotoluene	U		0.972	5.00	10	04/05/2018 18:36	WG1093952
1,2-Dibromo-3-Chloropropane	U		3.25	25.0	10	04/05/2018 18:36	WG1093952
1,2-Dibromoethane	U		1.93	5.00	10	04/05/2018 18:36	WG1093952
Dibromomethane	U		1.17	5.00	10	04/05/2018 18:36	WG1093952
1,2-Dichlorobenzene	U		1.01	5.00	10	04/05/2018 18:36	WG1093952
1,3-Dichlorobenzene	U		1.30	5.00	10	04/05/2018 18:36	WG1093952
1,4-Dichlorobenzene	U		1.21	5.00	10	04/05/2018 18:36	WG1093952
Dichlorodifluoromethane	U		1.27	25.0	10	04/05/2018 18:36	WG1093952
1,1-Dichloroethane	U		1.14	5.00	10	04/05/2018 18:36	WG1093952
1,2-Dichloroethane	U		1.08	5.00	10	04/05/2018 18:36	WG1093952
1,1-Dichloroethene	98.8		1.88	5.00	10	04/05/2018 18:36	WG1093952
cis-1,2-Dichloroethene	5920		233	1250	2500	04/10/2018 01:13	WG1093952
trans-1,2-Dichloroethene	16.0		1.52	5.00	10	04/05/2018 18:36	WG1093952
1,2-Dichloropropane	U		1.90	5.00	10	04/05/2018 18:36	WG1093952
1,1-Dichloropropene	U		1.28	5.00	10	04/05/2018 18:36	WG1093952
1,3-Dichloropropane	U		1.47	10.0	10	04/05/2018 18:36	WG1093952
cis-1,3-Dichloropropene	U		0.976	5.00	10	04/05/2018 18:36	WG1093952
trans-1,3-Dichloropropene	U		2.22	5.00	10	04/05/2018 18:36	WG1093952
trans-1,4-Dichloro-2-butene	U		2.57	50.0	10	04/05/2018 18:36	WG1093952
2,2-Dichloropropane	U		0.929	5.00	10	04/05/2018 18:36	WG1093952
Di-isopropyl ether	U		0.924	5.00	10	04/05/2018 18:36	WG1093952
Ethylbenzene	U		1.58	5.00	10	04/05/2018 18:36	WG1093952
Hexachloro-1,3-butadiene	U		1.57	10.0	10	04/05/2018 18:36	WG1093952
2-Hexanone	U		7.57	50.0	10	04/05/2018 18:36	WG1093952
n-Hexane	U		3.05	50.0	10	04/05/2018 18:36	WG1093952
Iodomethane	U		3.77	100	10	04/05/2018 18:36	WG1093952
Isopropylbenzene	U		1.26	5.00	10	04/05/2018 18:36	WG1093952
p-Isopropyltoluene	U		1.38	5.00	10	04/05/2018 18:36	WG1093952
2-Butanone (MEK)	13.9 J	J	12.8	50.0	10	04/05/2018 18:36	WG1093952
Methylene Chloride	U		10.7	25.0	10	04/05/2018 18:36	WG1093952
4-Methyl-2-pentanone (MIBK)	U		8.23	50.0	10	04/05/2018 18:36	WG1093952
Methyl tert-butyl ether	U		1.02	5.00	10	04/05/2018 18:36	WG1093952
Naphthalene	U		1.74	25.0	10	04/05/2018 18:36	WG1093952
n-Propylbenzene	U		1.62	5.00	10	04/05/2018 18:36	WG1093952
Styrene	U		1.17	5.00	10	04/05/2018 18:36	WG1093952
1,1,1,2-Tetrachloroethane	U		1.20	5.00	10	04/05/2018 18:36	WG1093952 JC 4/24/18
1,1,2,2-Tetrachloroethane	U		1.30	5.00	10	04/05/2018 18:36	WG1093952

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		1.64	5.00	10	04/05/2018 18:36	WG1093952
Tetrachloroethene	64100		498	1250	2500	04/10/2018 01:13	WG1093952
Toluene	6.74		4.12	5.00	10	04/05/2018 18:36	WG1093952
1,2,3-Trichlorobenzene	U		1.64	5.00	10	04/05/2018 18:36	WG1093952
1,2,4-Trichlorobenzene	U		3.55	5.00	10	04/05/2018 18:36	WG1093952
1,1,1-Trichloroethane	U		0.940	5.00	10	04/05/2018 18:36	WG1093952
1,1,2-Trichloroethane	U		1.86	5.00	10	04/05/2018 18:36	WG1093952
Trichloroethene	2830		382	1250	2500	04/10/2018 01:13	WG1093952
Trichlorofluoromethane	U		1.30	25.0	10	04/05/2018 18:36	WG1093952
1,2,3-Trichloropropane	U		2.47	25.0	10	04/05/2018 18:36	WG1093952
1,2,4-Trimethylbenzene	2.23	J J	1.23	5.00	10	04/05/2018 18:36	WG1093952
1,2,3-Trimethylbenzene	U		0.739	5.00	10	04/05/2018 18:36	WG1093952
1,3,5-Trimethylbenzene	U		1.24	5.00	10	04/05/2018 18:36	WG1093952
Vinyl acetate	U		6.45	50.0	10	04/05/2018 18:36	WG1093952
Vinyl chloride	118		1.18	5.00	10	04/05/2018 18:36	WG1093952
Xylenes, Total	U		3.16	15.0	10	04/05/2018 18:36	WG1093952
(S) Toluene-d8	*91.4*			*80.0-120*		*04/05/2018 18:36*	WG1093952
(S) Toluene-d8	*105*			*80.0-120*		*04/10/2018 01:13*	WG1093952
(S) Dibromofluoromethane	*98.9*			*76.0-123*		*04/10/2018 01:13*	WG1093952
(S) Dibromofluoromethane	*95.1*			*76.0-123*		*04/05/2018 18:36*	WG1093952
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/05/2018 18:36*	WG1093952
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/10/2018 01:13*	WG1093952

Sample Narrative:

L983082-10 WG1093952: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/05/2018 18:55	WG1093952
Acrylonitrile	U		0.873	5.00	1	04/05/2018 18:55	WG1093952
Benzene	U		0.0896	0.500	1	04/05/2018 18:55	WG1093952
Bromobenzene	U		0.133	0.500	1	04/05/2018 18:55	WG1093952
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 18:55	WG1093952
Bromochloromethane	U		0.145	0.500	1	04/05/2018 18:55	WG1093952
Bromoform	U		0.186	0.500	1	04/05/2018 18:55	WG1093952
Bromomethane	U		0.157	2.50	1	04/05/2018 18:55	WG1093952
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 18:55	WG1093952
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 18:55	WG1093952
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 18:55	WG1093952
Carbon disulfide	3.29		0.101	0.500	1	04/05/2018 18:55	WG1093952
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 18:55	WG1093952
Chlorobenzene	U		0.140	0.500	1	04/05/2018 18:55	WG1093952
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 18:55	WG1093952
Chloroethane	U		0.141	2.50	1	04/05/2018 18:55	WG1093952
Chloroform	U		0.0860	0.500	1	04/05/2018 18:55	WG1093952
Chloromethane	U		0.153	1.25	1	04/05/2018 18:55	WG1093952
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 18:55	WG1093952
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 18:55	WG1093952
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 18:55	WG1093952
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 18:55	WG1093952
Dibromomethane	U		0.117	0.500	1	04/05/2018 18:55	WG1093952
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 18:55	WG1093952
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 18:55	WG1093952
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 18:55	WG1093952
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 18:55	WG1093952
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 18:55	WG1093952
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 18:55	WG1093952
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 18:55	WG1093952
cis-1,2-Dichloroethene	2.97		0.0933	0.500	1	04/10/2018 01:34	WG1093952
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2018 18:55	WG1093952
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 18:55	WG1093952
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 18:55	WG1093952
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 18:55	WG1093952
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 18:55	WG1093952
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 18:55	WG1093952
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 18:55	WG1093952
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 18:55	WG1093952
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 18:55	WG1093952
Ethylbenzene	U		0.158	0.500	1	04/05/2018 18:55	WG1093952
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 18:55	WG1093952
2-Hexanone	U		0.757	5.00	1	04/05/2018 18:55	WG1093952
n-Hexane	U		0.305	5.00	1	04/05/2018 18:55	WG1093952
Iodomethane	U		0.377	10.0	1	04/05/2018 18:55	WG1093952
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 18:55	WG1093952
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 18:55	WG1093952
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 18:55	WG1093952
Methylene Chloride	U		1.07	2.50	1	04/05/2018 18:55	WG1093952
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 18:55	WG1093952
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 18:55	WG1093952
Naphthalene	U		0.174	2.50	1	04/05/2018 18:55	WG1093952
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 18:55	WG1093952
Styrene	U		0.117	0.500	1	04/05/2018 18:55	WG1093952
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 18:55	WG1093952
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 18:55	WG1093952

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 18:55	WG1093952
Tetrachloroethene	16.3		0.199	0.500	1	04/10/2018 01:34	WG1093952
Toluene	U		0.412	0.500	1	04/05/2018 18:55	WG1093952
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 18:55	WG1093952
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 18:55	WG1093952
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 18:55	WG1093952
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 18:55	WG1093952
Trichloroethene	0.826		0.153	0.500	1	04/10/2018 01:34	WG1093952
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 18:55	WG1093952
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 18:55	WG1093952
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 18:55	WG1093952
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 18:55	WG1093952
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 18:55	WG1093952
Vinyl acetate	U		0.645	5.00	1	04/05/2018 18:55	WG1093952
Vinyl chloride	1.27		0.118	0.500	1	04/05/2018 18:55	WG1093952
Xylenes, Total	U		0.316	1.50	1	04/05/2018 18:55	WG1093952
(S) Toluene-d8	*101*			*80.0-120*		*04/05/2018 18:55*	WG1093952
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2018 01:34*	WG1093952
(S) Dibromofluoromethane	*99.5*			*76.0-123*		*04/10/2018 01:34*	WG1093952
(S) Dibromofluoromethane	*95.7*			*76.0-123*		*04/05/2018 18:55*	WG1093952
(S) 4-Bromofluorobenzene	*96.9*			*80.0-120*		*04/05/2018 18:55*	WG1093952
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/10/2018 01:34*	WG1093952

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	37.3	J	31.6	100	1	04/05/2018 22:13	WG1094404
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*77.0-122*		*04/05/2018 22:13*	WG1094404

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	U		1.05	25.0	1	04/05/2018 13:33	WG1094069	
Acrylonitrile	U		0.873	5.00	1	04/05/2018 13:33	WG1094069	
Benzene	U		0.0896	0.500	1	04/05/2018 13:33	WG1094069	
Bromobenzene	U		0.133	0.500	1	04/05/2018 13:33	WG1094069	
Bromodichloromethane	U		0.0800	0.500	1	04/05/2018 13:33	WG1094069	
Bromochloromethane	U		0.145	0.500	1	04/05/2018 13:33	WG1094069	
Bromoform	U		0.186	0.500	1	04/05/2018 13:33	WG1094069	
Bromomethane	U		0.157	2.50	1	04/05/2018 13:33	WG1094069	
n-Butylbenzene	U		0.143	0.500	1	04/05/2018 13:33	WG1094069	
sec-Butylbenzene	U		0.134	0.500	1	04/05/2018 13:33	WG1094069	
tert-Butylbenzene	U		0.183	0.500	1	04/05/2018 13:33	WG1094069	
Carbon disulfide	U		0.101	0.500	1	04/05/2018 13:33	WG1094069	
Carbon tetrachloride	U		0.159	0.500	1	04/05/2018 13:33	WG1094069	
Chlorobenzene	U		0.140	0.500	1	04/05/2018 13:33	WG1094069	
Chlorodibromomethane	U		0.128	0.500	1	04/05/2018 13:33	WG1094069	
Chloroethane	U		0.141	2.50	1	04/05/2018 13:33	WG1094069	
Chloroform	U		0.0860	0.500	1	04/05/2018 13:33	WG1094069	
Chloromethane	U		0.153	1.25	1	04/05/2018 13:33	WG1094069	
2-Chlorotoluene	U		0.111	0.500	1	04/05/2018 13:33	WG1094069	
4-Chlorotoluene	U		0.0972	0.500	1	04/05/2018 13:33	WG1094069	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/05/2018 13:33	WG1094069	
1,2-Dibromoethane	U		0.193	0.500	1	04/05/2018 13:33	WG1094069	
Dibromomethane	U		0.117	0.500	1	04/05/2018 13:33	WG1094069	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/05/2018 13:33	WG1094069	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/05/2018 13:33	WG1094069	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/05/2018 13:33	WG1094069	
Dichlorodifluoromethane	U		0.127	2.50	1	04/05/2018 13:33	WG1094069	
1,1-Dichloroethane	U		0.114	0.500	1	04/05/2018 13:33	WG1094069	
1,2-Dichloroethane	U		0.108	0.500	1	04/05/2018 13:33	WG1094069	
1,1-Dichloroethene	U		0.188	0.500	1	04/05/2018 13:33	WG1094069	
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/05/2018 13:33	WG1094069	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/05/2018 13:33	WG1094069	
1,2-Dichloropropane	U		0.190	0.500	1	04/05/2018 13:33	WG1094069	
1,1-Dichloropropene	U		0.128	0.500	1	04/05/2018 13:33	WG1094069	
1,3-Dichloropropane	U		0.147	1.00	1	04/05/2018 13:33	WG1094069	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/05/2018 13:33	WG1094069	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/05/2018 13:33	WG1094069	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/05/2018 13:33	WG1094069	
2,2-Dichloropropane	U		0.0929	0.500	1	04/05/2018 13:33	WG1094069	JC 4/24/18
Di-isopropyl ether	U		0.0924	0.500	1	04/05/2018 13:33	WG1094069	
Ethylbenzene	U		0.158	0.500	1	04/05/2018 13:33	WG1094069	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2018 13:33	WG1094069	
2-Hexanone	U		0.757	5.00	1	04/05/2018 13:33	WG1094069	
n-Hexane	U		0.305	5.00	1	04/05/2018 13:33	WG1094069	
Iodomethane	U		0.377	10.0	1	04/05/2018 13:33	WG1094069	
Isopropylbenzene	U		0.126	0.500	1	04/05/2018 13:33	WG1094069	
p-Isopropyltoluene	U		0.138	0.500	1	04/05/2018 13:33	WG1094069	
2-Butanone (MEK)	U		1.28	5.00	1	04/05/2018 13:33	WG1094069	

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		1.07	2.50	1	04/05/2018 13:33	WG1094069
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/05/2018 13:33	WG1094069
Methyl tert-butyl ether	U		0.102	0.500	1	04/05/2018 13:33	WG1094069
Naphthalene	U		0.174	2.50	1	04/05/2018 13:33	WG1094069
n-Propylbenzene	U		0.162	0.500	1	04/05/2018 13:33	WG1094069
Styrene	U		0.117	0.500	1	04/05/2018 13:33	WG1094069
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/05/2018 13:33	WG1094069
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/05/2018 13:33	WG1094069
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/05/2018 13:33	WG1094069
Tetrachloroethene	U		0.199	0.500	1	04/05/2018 13:33	WG1094069
Toluene	U		0.412	0.500	1	04/05/2018 13:33	WG1094069
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2018 13:33	WG1094069
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/05/2018 13:33	WG1094069
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/05/2018 13:33	WG1094069
1,1,2-Trichloroethane	U		0.186	0.500	1	04/05/2018 13:33	WG1094069
Trichloroethene	U		0.153	0.500	1	04/05/2018 13:33	WG1094069
Trichlorofluoromethane	U		0.130	2.50	1	04/05/2018 13:33	WG1094069
1,2,3-Trichloropropane	U		0.247	2.50	1	04/05/2018 13:33	WG1094069
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/05/2018 13:33	WG1094069
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/05/2018 13:33	WG1094069
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/05/2018 13:33	WG1094069
Vinyl acetate	U		0.645	5.00	1	04/05/2018 13:33	WG1094069
Vinyl chloride	U		0.118	0.500	1	04/05/2018 13:33	WG1094069
Xylenes, Total	U		0.316	1.50	1	04/05/2018 13:33	WG1094069
(S) Toluene-d8	*98.5*			*80.0-120*		*04/05/2018 13:33*	WG1094069
(S) Dibromofluoromethane	*97.9*			*76.0-123*		*04/05/2018 13:33*	WG1094069
(S) 4-Bromofluorobenzene	*95.0*			*80.0-120*		*04/05/2018 13:33*	WG1094069

JC 4/24/18

ANALYTICAL REPORT

April 16, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L984034
Samples Received:	04/07/2018
Project Number:	1413.001.05.601
Description:	American Linen Supply
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

IW-9D-040418 L984034-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/04/18 08:35 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	1	04/09/18 01:08	04/09/18 01:08	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	200	04/12/18 23:15	04/12/18 23:15	LRL

IW-8D-040418 L984034-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/04/18 10:05 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	1	04/09/18 01:27	04/09/18 01:27	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	250	04/12/18 23:35	04/12/18 23:35	LRL

IW-8C-040418 L984034-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/04/18 11:06 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	1	04/09/18 01:47	04/09/18 01:47	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	1000	04/12/18 23:55	04/12/18 23:55	LRL

IW-45A-040418 L984034-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/04/18 13:26 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	1	04/09/18 02:06	04/09/18 02:06	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	250	04/13/18 00:15	04/13/18 00:15	LRL

R-MW3-040418 L984034-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/04/18 16:15 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 03:45	04/11/18 03:45	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	1	04/09/18 02:25	04/09/18 02:25	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	1	04/13/18 00:35	04/13/18 00:35	LRL

J15-040518 L984034-06 GW

Collected by: Jeff Dobbins | Collected date/time: 04/05/18 08:27 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 04:08	04/11/18 04:08	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	1	04/09/18 02:44	04/09/18 02:44	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095362	1	04/13/18 00:55	04/13/18 00:55	LRL

F13-040518 L984034-07 GW

Collected by: Jeff Dobbins | Collected date/time: 04/05/18 09:22 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 04:31	04/11/18 04:31	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 20:49	04/08/18 20:49	JAH

J5-040518 L984034-08 GW

Collected by: Jeff Dobbins | Collected date/time: 04/05/18 10:10 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 04:54	04/11/18 04:54	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 21:09	04/08/18 21:09	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	10	04/10/18 01:54	04/10/18 01:54	BMB

MW-9-040518 L984034-09 GW

Collected by: Jeff Dobbins | Collected date/time: 04/05/18 14:18 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 05:18	04/11/18 05:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 21:29	04/08/18 21:29	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/10/18 02:13	04/10/18 02:13	BMB

MW121-040518 L984034-10 GW

Collected by: Jeff Dobbins | Collected date/time: 04/05/18 15:21 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 05:41	04/11/18 05:41	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 21:49	04/08/18 21:49	JAH

MW119-040518 L984034-11 GW

Collected by: Jeff Dobbins | Collected date/time: 04/05/18 16:29 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 22:09	04/08/18 22:09	JAH

K8-4518 L984034-12 GW

Collected by: Jeff Dobbins | Collected date/time: 04/05/18 12:11 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 06:05	04/11/18 06:05	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 22:29	04/08/18 22:29	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	5	04/10/18 02:33	04/10/18 02:33	BMB

MW15-4-5+18 L984034-13 GW

Collected by: Jeff Dobbins | Collected date/time: 04/05/18 11:15 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 06:29	04/11/18 06:29	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 22:49	04/08/18 22:49	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/10/18 02:53	04/10/18 02:53	BMB

MW108-040618 L984034-14 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 09:15 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 23:09	04/08/18 23:09	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	50	04/10/18 03:13	04/10/18 03:13	BMB

MW109-040618 L984034-15 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 10:12 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 23:29	04/08/18 23:29	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	10	04/10/18 03:32	04/10/18 03:32	BMB

MW103-040618 L984034-16 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 11:17 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 23:49	04/08/18 23:49	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/10/18 03:52	04/10/18 03:52	BMB

MW126-040618 L984034-17 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 09:37 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/09/18 00:09	04/09/18 00:09	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/10/18 04:12	04/10/18 04:12	BMB

MW101-040618 L984034-18 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 11:23 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/10/18 04:32	04/10/18 04:32	BMB

MW111-040618 L984034-19 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 11:57 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/09/18 00:50	04/09/18 00:50	JAH

MW902-040618 L984034-20 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 12:10 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/09/18 01:10	04/09/18 01:10	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	50	04/10/18 04:52	04/10/18 04:52	BMB

SCL-MW105-040618 L984034-21 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 12:21 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	10	04/09/18 01:30	04/09/18 01:30	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	10	04/10/18 05:12	04/10/18 05:12	BMB

MW122-040618 L984034-22 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 12:50 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/09/18 01:50	04/09/18 01:50	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/10/18 05:32	04/10/18 05:32	BMB

R-MW6-040618 L984034-23 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 14:48 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 06:52	04/11/18 06:52	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/09/18 02:10	04/09/18 02:10	JAH

MW125-040618 L984034-24 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 15:09 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 07:16	04/11/18 07:16	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/09/18 02:30	04/09/18 02:30	JAH

TRIP BLANK L984034-25 GW

Collected by: Jeff Dobbins | Collected date/time: 04/06/18 00:00 | Received date/time: 04/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1095836	1	04/11/18 01:49	04/11/18 01:49	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1095442	1	04/08/18 19:43	04/08/18 19:43	JAH

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

Brian Ford
Technical Service Representative

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	4.46	J	1.05	25.0	1	04/09/2018 01:08	WG1095362
Acrylonitrile	U		0.873	5.00	1	04/09/2018 01:08	WG1095362
Benzene	U		0.0896	0.500	1	04/09/2018 01:08	WG1095362
Bromobenzene	U		0.133	0.500	1	04/09/2018 01:08	WG1095362
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 01:08	WG1095362
Bromochloromethane	U		0.145	0.500	1	04/09/2018 01:08	WG1095362
Bromoform	U		0.186	0.500	1	04/09/2018 01:08	WG1095362
Bromomethane	U		0.157	2.50	1	04/09/2018 01:08	WG1095362
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 01:08	WG1095362
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 01:08	WG1095362
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 01:08	WG1095362
Carbon disulfide	0.969		0.101	0.500	1	04/09/2018 01:08	WG1095362
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 01:08	WG1095362
Chlorobenzene	U		0.140	0.500	1	04/09/2018 01:08	WG1095362
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 01:08	WG1095362
Chloroethane	U		0.141	2.50	1	04/09/2018 01:08	WG1095362
Chloroform	U		0.0860	0.500	1	04/09/2018 01:08	WG1095362
Chloromethane	U		0.153	1.25	1	04/09/2018 01:08	WG1095362
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 01:08	WG1095362
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 01:08	WG1095362
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 01:08	WG1095362
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 01:08	WG1095362
Dibromomethane	U		0.117	0.500	1	04/09/2018 01:08	WG1095362
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 01:08	WG1095362
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 01:08	WG1095362
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 01:08	WG1095362
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 01:08	WG1095362
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 01:08	WG1095362
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 01:08	WG1095362
1,1-Dichloroethene	30.8		0.188	0.500	1	04/09/2018 01:08	WG1095362
cis-1,2-Dichloroethene	3380		18.7	100	200	04/12/2018 23:15	WG1095362
trans-1,2-Dichloroethene	10.0		0.152	0.500	1	04/09/2018 01:08	WG1095362
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 01:08	WG1095362
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 01:08	WG1095362
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 01:08	WG1095362
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 01:08	WG1095362
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 01:08	WG1095362
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 01:08	WG1095362
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 01:08	WG1095362
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 01:08	WG1095362
Ethylbenzene	U		0.158	0.500	1	04/09/2018 01:08	WG1095362
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 01:08	WG1095362
2-Hexanone	U		0.757	5.00	1	04/09/2018 01:08	WG1095362
n-Hexane	U		0.305	5.00	1	04/09/2018 01:08	WG1095362
Iodomethane	U		0.377	10.0	1	04/09/2018 01:08	WG1095362
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 01:08	WG1095362
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 01:08	WG1095362
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 01:08	WG1095362
Methylene Chloride	U		1.07	2.50	1	04/09/2018 01:08	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 01:08	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 01:08	WG1095362
Naphthalene	U		0.174	2.50	1	04/09/2018 01:08	WG1095362
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 01:08	WG1095362
Styrene	U		0.117	0.500	1	04/09/2018 01:08	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 01:08	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 01:08	WG1095362

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 01:08	WG1095362
Tetrachloroethene	3610		39.8	100	200	04/12/2018 23:15	WG1095362
Toluene	1.12		0.412	0.500	1	04/09/2018 01:08	WG1095362
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 01:08	WG1095362
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 01:08	WG1095362
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 01:08	WG1095362
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 01:08	WG1095362
Trichloroethene	1510		30.6	100	200	04/12/2018 23:15	WG1095362
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 01:08	WG1095362
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 01:08	WG1095362
1,2,4-Trimethylbenzene	0.142	J	0.123	0.500	1	04/09/2018 01:08	WG1095362
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 01:08	WG1095362
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 01:08	WG1095362
Vinyl acetate	U	J0	0.645	5.00	1	04/09/2018 01:08	WG1095362
Vinyl chloride	31.6		0.118	0.500	1	04/09/2018 01:08	WG1095362
Xylenes, Total	U		0.316	1.50	1	04/09/2018 01:08	WG1095362
(S) Toluene-d8	*104*			*80.0-120*		*04/12/2018 23:15*	WG1095362
(S) Toluene-d8	*96.6*			*80.0-120*		*04/09/2018 01:08*	WG1095362
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/12/2018 23:15*	WG1095362
(S) Dibromofluoromethane	*95.5*			*76.0-123*		*04/09/2018 01:08*	WG1095362
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/12/2018 23:15*	WG1095362
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/09/2018 01:08*	WG1095362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/09/2018 01:27	WG1095362
Acrylonitrile	U		0.873	5.00	1	04/09/2018 01:27	WG1095362
Benzene	U		0.0896	0.500	1	04/09/2018 01:27	WG1095362
Bromobenzene	U		0.133	0.500	1	04/09/2018 01:27	WG1095362
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 01:27	WG1095362
Bromochloromethane	U		0.145	0.500	1	04/09/2018 01:27	WG1095362
Bromoform	U		0.186	0.500	1	04/09/2018 01:27	WG1095362
Bromomethane	U		0.157	2.50	1	04/09/2018 01:27	WG1095362
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 01:27	WG1095362
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 01:27	WG1095362
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 01:27	WG1095362
Carbon disulfide	1.17		0.101	0.500	1	04/09/2018 01:27	WG1095362
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 01:27	WG1095362
Chlorobenzene	U		0.140	0.500	1	04/09/2018 01:27	WG1095362
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 01:27	WG1095362
Chloroethane	U		0.141	2.50	1	04/09/2018 01:27	WG1095362
Chloroform	U		0.0860	0.500	1	04/09/2018 01:27	WG1095362
Chloromethane	U		0.153	1.25	1	04/09/2018 01:27	WG1095362
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 01:27	WG1095362
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 01:27	WG1095362
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 01:27	WG1095362
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 01:27	WG1095362
Dibromomethane	U		0.117	0.500	1	04/09/2018 01:27	WG1095362
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 01:27	WG1095362
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 01:27	WG1095362
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 01:27	WG1095362
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 01:27	WG1095362
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 01:27	WG1095362
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 01:27	WG1095362
1,1-Dichloroethene	50.3		0.188	0.500	1	04/09/2018 01:27	WG1095362
cis-1,2-Dichloroethene	3200		23.3	125	250	04/12/2018 23:35	WG1095362
trans-1,2-Dichloroethene	39.1		0.152	0.500	1	04/09/2018 01:27	WG1095362
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 01:27	WG1095362
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 01:27	WG1095362
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 01:27	WG1095362
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 01:27	WG1095362
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 01:27	WG1095362
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 01:27	WG1095362
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 01:27	WG1095362
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 01:27	WG1095362
Ethylbenzene	U		0.158	0.500	1	04/09/2018 01:27	WG1095362
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 01:27	WG1095362
2-Hexanone	U		0.757	5.00	1	04/09/2018 01:27	WG1095362
n-Hexane	U		0.305	5.00	1	04/09/2018 01:27	WG1095362
Iodomethane	U		0.377	10.0	1	04/09/2018 01:27	WG1095362
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 01:27	WG1095362
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 01:27	WG1095362
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 01:27	WG1095362
Methylene Chloride	U		1.07	2.50	1	04/09/2018 01:27	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 01:27	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 01:27	WG1095362
Naphthalene	U		0.174	2.50	1	04/09/2018 01:27	WG1095362
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 01:27	WG1095362
Styrene	0.188	J	0.117	0.500	1	04/09/2018 01:27	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 01:27	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 01:27	WG1095362

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 01:27	WG1095362
Tetrachloroethene	6010		49.8	125	250	04/12/2018 23:35	WG1095362
Toluene	U		0.412	0.500	1	04/09/2018 01:27	WG1095362
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 01:27	WG1095362
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 01:27	WG1095362
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 01:27	WG1095362
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 01:27	WG1095362
Trichloroethene	4320		38.2	125	250	04/12/2018 23:35	WG1095362
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 01:27	WG1095362
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 01:27	WG1095362
1,2,4-Trimethylbenzene	0.289	J	0.123	0.500	1	04/09/2018 01:27	WG1095362
1,2,3-Trimethylbenzene	0.201	J	0.0739	0.500	1	04/09/2018 01:27	WG1095362
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 01:27	WG1095362
Vinyl acetate	U	J0	0.645	5.00	1	04/09/2018 01:27	WG1095362
Vinyl chloride	631		29.5	125	250	04/12/2018 23:35	WG1095362
Xylenes, Total	0.384	J	0.316	1.50	1	04/09/2018 01:27	WG1095362
(S) Toluene-d8	*105*			*80.0-120*		*04/12/2018 23:35*	WG1095362
(S) Toluene-d8	*101*			*80.0-120*		*04/09/2018 01:27*	WG1095362
(S) Dibromofluoromethane	*92.8*			*76.0-123*		*04/09/2018 01:27*	WG1095362
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/12/2018 23:35*	WG1095362
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/09/2018 01:27*	WG1095362
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/12/2018 23:35*	WG1095362

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	8.17	J	1.05	25.0	1	04/09/2018 01:47	WG1095362
Acrylonitrile	U		0.873	5.00	1	04/09/2018 01:47	WG1095362
Benzene	0.276	J	0.0896	0.500	1	04/09/2018 01:47	WG1095362
Bromobenzene	U		0.133	0.500	1	04/09/2018 01:47	WG1095362
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 01:47	WG1095362
Bromochloromethane	U		0.145	0.500	1	04/09/2018 01:47	WG1095362
Bromoform	U		0.186	0.500	1	04/09/2018 01:47	WG1095362
Bromomethane	U		0.157	2.50	1	04/09/2018 01:47	WG1095362
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 01:47	WG1095362
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 01:47	WG1095362
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 01:47	WG1095362
Carbon disulfide	0.850		0.101	0.500	1	04/09/2018 01:47	WG1095362
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 01:47	WG1095362
Chlorobenzene	U		0.140	0.500	1	04/09/2018 01:47	WG1095362
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 01:47	WG1095362
Chloroethane	U		0.141	2.50	1	04/09/2018 01:47	WG1095362
Chloroform	U		0.0860	0.500	1	04/09/2018 01:47	WG1095362
Chloromethane	U		0.153	1.25	1	04/09/2018 01:47	WG1095362
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 01:47	WG1095362
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 01:47	WG1095362
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 01:47	WG1095362
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 01:47	WG1095362
Dibromomethane	U		0.117	0.500	1	04/09/2018 01:47	WG1095362
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 01:47	WG1095362
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 01:47	WG1095362
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 01:47	WG1095362
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 01:47	WG1095362
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 01:47	WG1095362
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 01:47	WG1095362
1,1-Dichloroethene	11.3		0.188	0.500	1	04/09/2018 01:47	WG1095362
cis-1,2-Dichloroethene	4160		93.3	500	1000	04/12/2018 23:55	WG1095362
trans-1,2-Dichloroethene	9.22		0.152	0.500	1	04/09/2018 01:47	WG1095362
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 01:47	WG1095362
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 01:47	WG1095362
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 01:47	WG1095362
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 01:47	WG1095362
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 01:47	WG1095362
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 01:47	WG1095362
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 01:47	WG1095362
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 01:47	WG1095362
Ethylbenzene	0.206	J	0.158	0.500	1	04/09/2018 01:47	WG1095362
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 01:47	WG1095362
2-Hexanone	U		0.757	5.00	1	04/09/2018 01:47	WG1095362
n-Hexane	U		0.305	5.00	1	04/09/2018 01:47	WG1095362
Iodomethane	U		0.377	10.0	1	04/09/2018 01:47	WG1095362
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 01:47	WG1095362
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 01:47	WG1095362
2-Butanone (MEK)	2.06	J	1.28	5.00	1	04/09/2018 01:47	WG1095362
Methylene Chloride	U		1.07	2.50	1	04/09/2018 01:47	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 01:47	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 01:47	WG1095362
Naphthalene	0.580	J	0.174	2.50	1	04/09/2018 01:47	WG1095362
n-Propylbenzene	0.164	J	0.162	0.500	1	04/09/2018 01:47	WG1095362
Styrene	U		0.117	0.500	1	04/09/2018 01:47	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 01:47	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 01:47	WG1095362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 01:47	WG1095362
Tetrachloroethene	27400		199	500	1000	04/12/2018 23:55	WG1095362
Toluene	2.77		0.412	0.500	1	04/09/2018 01:47	WG1095362
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 01:47	WG1095362
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 01:47	WG1095362
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 01:47	WG1095362
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 01:47	WG1095362
Trichloroethene	1160		153	500	1000	04/12/2018 23:55	WG1095362
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 01:47	WG1095362
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 01:47	WG1095362
1,2,4-Trimethylbenzene	1.28		0.123	0.500	1	04/09/2018 01:47	WG1095362
1,2,3-Trimethylbenzene	0.712		0.0739	0.500	1	04/09/2018 01:47	WG1095362
1,3,5-Trimethylbenzene	0.376	J	0.124	0.500	1	04/09/2018 01:47	WG1095362
Vinyl acetate	U	J0	0.645	5.00	1	04/09/2018 01:47	WG1095362
Vinyl chloride	169		0.118	0.500	1	04/09/2018 01:47	WG1095362
Xylenes, Total	1.54		0.316	1.50	1	04/09/2018 01:47	WG1095362
(S) Toluene-d8	*104*			*80.0-120*		*04/12/2018 23:55*	WG1095362
(S) Toluene-d8	*89.2*			*80.0-120*		*04/09/2018 01:47*	WG1095362
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/12/2018 23:55*	WG1095362
(S) Dibromofluoromethane	*93.8*			*76.0-123*		*04/09/2018 01:47*	WG1095362
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/09/2018 01:47*	WG1095362
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/12/2018 23:55*	WG1095362

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/09/2018 02:06	WG1095362
Acrylonitrile	U		0.873	5.00	1	04/09/2018 02:06	WG1095362
Benzene	0.202	J	0.0896	0.500	1	04/09/2018 02:06	WG1095362
Bromobenzene	U		0.133	0.500	1	04/09/2018 02:06	WG1095362
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 02:06	WG1095362
Bromochloromethane	U		0.145	0.500	1	04/09/2018 02:06	WG1095362
Bromoform	U		0.186	0.500	1	04/09/2018 02:06	WG1095362
Bromomethane	U		0.157	2.50	1	04/09/2018 02:06	WG1095362
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 02:06	WG1095362
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 02:06	WG1095362
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 02:06	WG1095362
Carbon disulfide	0.143	J	0.101	0.500	1	04/09/2018 02:06	WG1095362
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 02:06	WG1095362
Chlorobenzene	U		0.140	0.500	1	04/09/2018 02:06	WG1095362
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 02:06	WG1095362
Chloroethane	4.93		0.141	2.50	1	04/09/2018 02:06	WG1095362
Chloroform	U		0.0860	0.500	1	04/09/2018 02:06	WG1095362
Chloromethane	U		0.153	1.25	1	04/09/2018 02:06	WG1095362
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 02:06	WG1095362
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 02:06	WG1095362
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 02:06	WG1095362
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 02:06	WG1095362
Dibromomethane	U		0.117	0.500	1	04/09/2018 02:06	WG1095362
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 02:06	WG1095362
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 02:06	WG1095362
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 02:06	WG1095362
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 02:06	WG1095362
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 02:06	WG1095362
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 02:06	WG1095362
1,1-Dichloroethene	19.6		0.188	0.500	1	04/09/2018 02:06	WG1095362
cis-1,2-Dichloroethene	18800		23.3	125	250	04/13/2018 00:15	WG1095362
trans-1,2-Dichloroethene	14.5		0.152	0.500	1	04/09/2018 02:06	WG1095362
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 02:06	WG1095362
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 02:06	WG1095362
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 02:06	WG1095362
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 02:06	WG1095362
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 02:06	WG1095362
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 02:06	WG1095362
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 02:06	WG1095362
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 02:06	WG1095362
Ethylbenzene	U		0.158	0.500	1	04/09/2018 02:06	WG1095362
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 02:06	WG1095362
2-Hexanone	U		0.757	5.00	1	04/09/2018 02:06	WG1095362
n-Hexane	U		0.305	5.00	1	04/09/2018 02:06	WG1095362
Iodomethane	U		0.377	10.0	1	04/09/2018 02:06	WG1095362
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 02:06	WG1095362
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 02:06	WG1095362
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 02:06	WG1095362
Methylene Chloride	U		1.07	2.50	1	04/09/2018 02:06	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 02:06	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 02:06	WG1095362
Naphthalene	0.235	J	0.174	2.50	1	04/09/2018 02:06	WG1095362
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 02:06	WG1095362
Styrene	U		0.117	0.500	1	04/09/2018 02:06	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 02:06	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 02:06	WG1095362

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 02:06	WG1095362
Tetrachloroethene	9250		49.8	125	250	04/13/2018 00:15	WG1095362
Toluene	0.749		0.412	0.500	1	04/09/2018 02:06	WG1095362
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 02:06	WG1095362
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 02:06	WG1095362
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 02:06	WG1095362
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 02:06	WG1095362
Trichloroethene	7460		38.2	125	250	04/13/2018 00:15	WG1095362
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 02:06	WG1095362
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 02:06	WG1095362
1,2,4-Trimethylbenzene	0.490	J	0.123	0.500	1	04/09/2018 02:06	WG1095362
1,2,3-Trimethylbenzene	0.289	J	0.0739	0.500	1	04/09/2018 02:06	WG1095362
1,3,5-Trimethylbenzene	0.138	J	0.124	0.500	1	04/09/2018 02:06	WG1095362
Vinyl acetate	U	J0	0.645	5.00	1	04/09/2018 02:06	WG1095362
Vinyl chloride	2020		29.5	125	250	04/13/2018 00:15	WG1095362
Xylenes, Total	0.361	J	0.316	1.50	1	04/09/2018 02:06	WG1095362
(S) Toluene-d8	*104*			*80.0-120*		*04/13/2018 00:15*	WG1095362
(S) Toluene-d8	*95.8*			*80.0-120*		*04/09/2018 02:06*	WG1095362
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/13/2018 00:15*	WG1095362
(S) Dibromofluoromethane	*91.7*			*76.0-123*		*04/09/2018 02:06*	WG1095362
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/09/2018 02:06*	WG1095362
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/13/2018 00:15*	WG1095362

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	33.7	J	31.6	100	1	04/11/2018 03:45	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 03:45*	WG1095836

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/09/2018 02:25	WG1095362
Acrylonitrile	U		0.873	5.00	1	04/09/2018 02:25	WG1095362
Benzene	U		0.0896	0.500	1	04/09/2018 02:25	WG1095362
Bromobenzene	U		0.133	0.500	1	04/09/2018 02:25	WG1095362
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 02:25	WG1095362
Bromochloromethane	U		0.145	0.500	1	04/09/2018 02:25	WG1095362
Bromoform	U		0.186	0.500	1	04/09/2018 02:25	WG1095362
Bromomethane	U		0.157	2.50	1	04/09/2018 02:25	WG1095362
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 02:25	WG1095362
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 02:25	WG1095362
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 02:25	WG1095362
Carbon disulfide	U		0.101	0.500	1	04/09/2018 02:25	WG1095362
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 02:25	WG1095362
Chlorobenzene	U		0.140	0.500	1	04/09/2018 02:25	WG1095362
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 02:25	WG1095362
Chloroethane	U		0.141	2.50	1	04/09/2018 02:25	WG1095362
Chloroform	U		0.0860	0.500	1	04/09/2018 02:25	WG1095362
Chloromethane	U		0.153	1.25	1	04/09/2018 02:25	WG1095362
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 02:25	WG1095362
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 02:25	WG1095362
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 02:25	WG1095362
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 02:25	WG1095362
Dibromomethane	U		0.117	0.500	1	04/09/2018 02:25	WG1095362
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 02:25	WG1095362
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 02:25	WG1095362
1,4-Dichlorobenzene	0.144	J	0.121	0.500	1	04/09/2018 02:25	WG1095362
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 02:25	WG1095362
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 02:25	WG1095362
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 02:25	WG1095362
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2018 02:25	WG1095362
cis-1,2-Dichloroethene	1.35		0.0933	0.500	1	04/13/2018 00:35	WG1095362
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2018 02:25	WG1095362
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 02:25	WG1095362
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 02:25	WG1095362
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 02:25	WG1095362
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 02:25	WG1095362
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 02:25	WG1095362
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 02:25	WG1095362
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 02:25	WG1095362
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 02:25	WG1095362
Ethylbenzene	U		0.158	0.500	1	04/09/2018 02:25	WG1095362
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 02:25	WG1095362
2-Hexanone	U		0.757	5.00	1	04/09/2018 02:25	WG1095362
n-Hexane	U		0.305	5.00	1	04/09/2018 02:25	WG1095362
Iodomethane	U		0.377	10.0	1	04/09/2018 02:25	WG1095362
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 02:25	WG1095362
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 02:25	WG1095362
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 02:25	WG1095362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/09/2018 02:25	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 02:25	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 02:25	WG1095362
Naphthalene	U		0.174	2.50	1	04/09/2018 02:25	WG1095362
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 02:25	WG1095362
Styrene	U		0.117	0.500	1	04/09/2018 02:25	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 02:25	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 02:25	WG1095362
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 02:25	WG1095362
Tetrachloroethene	16.4		0.199	0.500	1	04/13/2018 00:35	WG1095362
Toluene	U		0.412	0.500	1	04/09/2018 02:25	WG1095362
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 02:25	WG1095362
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 02:25	WG1095362
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 02:25	WG1095362
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 02:25	WG1095362
Trichloroethene	0.972		0.153	0.500	1	04/13/2018 00:35	WG1095362
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 02:25	WG1095362
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 02:25	WG1095362
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 02:25	WG1095362
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 02:25	WG1095362
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 02:25	WG1095362
Vinyl acetate	U	J0	0.645	5.00	1	04/09/2018 02:25	WG1095362
Vinyl chloride	0.214	J	0.118	0.500	1	04/13/2018 00:35	WG1095362
Xylenes, Total	U		0.316	1.50	1	04/09/2018 02:25	WG1095362
(S) Toluene-d8	*106*			*80.0-120*		*04/13/2018 00:35*	WG1095362
(S) Toluene-d8	*95.7*			*80.0-120*		*04/09/2018 02:25*	WG1095362
(S) Dibromofluoromethane	*93.5*			*76.0-123*		*04/09/2018 02:25*	WG1095362
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/13/2018 00:35*	WG1095362
(S) 4-Bromofluorobenzene	*97.7*			*80.0-120*		*04/09/2018 02:25*	WG1095362
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/13/2018 00:35*	WG1095362

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	41.2	J	31.6	100	1	04/11/2018 04:08	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 04:08*	WG1095836

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	7.35	J	1.05	25.0	1	04/09/2018 02:44	WG1095362
Acrylonitrile	U		0.873	5.00	1	04/09/2018 02:44	WG1095362
Benzene	U		0.0896	0.500	1	04/09/2018 02:44	WG1095362
Bromobenzene	U		0.133	0.500	1	04/09/2018 02:44	WG1095362
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 02:44	WG1095362
Bromochloromethane	U		0.145	0.500	1	04/09/2018 02:44	WG1095362
Bromoform	U		0.186	0.500	1	04/09/2018 02:44	WG1095362
Bromomethane	U		0.157	2.50	1	04/09/2018 02:44	WG1095362
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 02:44	WG1095362
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 02:44	WG1095362
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 02:44	WG1095362
Carbon disulfide	U		0.101	0.500	1	04/09/2018 02:44	WG1095362
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 02:44	WG1095362
Chlorobenzene	U		0.140	0.500	1	04/09/2018 02:44	WG1095362
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 02:44	WG1095362
Chloroethane	U		0.141	2.50	1	04/09/2018 02:44	WG1095362
Chloroform	U		0.0860	0.500	1	04/09/2018 02:44	WG1095362
Chloromethane	U		0.153	1.25	1	04/09/2018 02:44	WG1095362
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 02:44	WG1095362
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 02:44	WG1095362
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 02:44	WG1095362
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 02:44	WG1095362
Dibromomethane	U		0.117	0.500	1	04/09/2018 02:44	WG1095362
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 02:44	WG1095362
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 02:44	WG1095362
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 02:44	WG1095362
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 02:44	WG1095362
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 02:44	WG1095362
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 02:44	WG1095362
1,1-Dichloroethene	1.10		0.188	0.500	1	04/09/2018 02:44	WG1095362
cis-1,2-Dichloroethene	26.3		0.0933	0.500	1	04/09/2018 02:44	WG1095362
trans-1,2-Dichloroethene	0.709		0.152	0.500	1	04/09/2018 02:44	WG1095362
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 02:44	WG1095362
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 02:44	WG1095362
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 02:44	WG1095362
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 02:44	WG1095362
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 02:44	WG1095362
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 02:44	WG1095362
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 02:44	WG1095362
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 02:44	WG1095362
Ethylbenzene	U		0.158	0.500	1	04/09/2018 02:44	WG1095362
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 02:44	WG1095362
2-Hexanone	U		0.757	5.00	1	04/09/2018 02:44	WG1095362
n-Hexane	U		0.305	5.00	1	04/09/2018 02:44	WG1095362
Iodomethane	U		0.377	10.0	1	04/09/2018 02:44	WG1095362
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 02:44	WG1095362
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 02:44	WG1095362
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 02:44	WG1095362

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/09/2018 02:44	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 02:44	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 02:44	WG1095362
Naphthalene	U		0.174	2.50	1	04/09/2018 02:44	WG1095362
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 02:44	WG1095362
Styrene	U		0.117	0.500	1	04/09/2018 02:44	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 02:44	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 02:44	WG1095362
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 02:44	WG1095362
Tetrachloroethene	12.8		0.199	0.500	1	04/13/2018 00:55	WG1095362
Toluene	U		0.412	0.500	1	04/09/2018 02:44	WG1095362
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 02:44	WG1095362
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 02:44	WG1095362
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 02:44	WG1095362
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 02:44	WG1095362
Trichloroethene	0.358	J	0.153	0.500	1	04/13/2018 00:55	WG1095362
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 02:44	WG1095362
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 02:44	WG1095362
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 02:44	WG1095362
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 02:44	WG1095362
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 02:44	WG1095362
Vinyl acetate	U	J0	0.645	5.00	1	04/09/2018 02:44	WG1095362
Vinyl chloride	6.07		0.118	0.500	1	04/09/2018 02:44	WG1095362
Xylenes, Total	U		0.316	1.50	1	04/09/2018 02:44	WG1095362
(S) Toluene-d8	*95.3*			*80.0-120*		*04/09/2018 02:44*	WG1095362
(S) Toluene-d8	*101*			*80.0-120*		*04/13/2018 00:55*	WG1095362
(S) Dibromofluoromethane	*95.1*			*76.0-123*		*04/09/2018 02:44*	WG1095362
(S) Dibromofluoromethane	*107*			*76.0-123*		*04/13/2018 00:55*	WG1095362
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/13/2018 00:55*	WG1095362
(S) 4-Bromofluorobenzene	*97.3*			*80.0-120*		*04/09/2018 02:44*	WG1095362

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 04:31	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 04:31*	WG1095836

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.35	B J	1.05	25.0	1	04/08/2018 20:49	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 20:49	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 20:49	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 20:49	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 20:49	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 20:49	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 20:49	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 20:49	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 20:49	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 20:49	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 20:49	WG1095442
Carbon disulfide	0.136	B J	0.101	0.500	1	04/08/2018 20:49	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 20:49	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 20:49	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 20:49	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 20:49	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 20:49	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 20:49	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 20:49	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 20:49	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 20:49	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 20:49	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 20:49	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 20:49	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 20:49	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 20:49	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 20:49	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 20:49	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 20:49	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 20:49	WG1095442
cis-1,2-Dichloroethene	0.375	J	0.0933	0.500	1	04/08/2018 20:49	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 20:49	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 20:49	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 20:49	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 20:49	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 20:49	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 20:49	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 20:49	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 20:49	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 20:49	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 20:49	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 20:49	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 20:49	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 20:49	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 20:49	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 20:49	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 20:49	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 20:49	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 20:49	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 20:49	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 20:49	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 20:49	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 20:49	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 20:49	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 20:49	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 20:49	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 20:49	WG1095442
Tetrachloroethene	20.3		0.199	0.500	1	04/08/2018 20:49	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 20:49	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 20:49	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 20:49	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 20:49	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 20:49	WG1095442
Trichloroethene	0.346	J	0.153	0.500	1	04/08/2018 20:49	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 20:49	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 20:49	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 20:49	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 20:49	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 20:49	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 20:49	WG1095442
Vinyl chloride	0.843		0.118	0.500	1	04/08/2018 20:49	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 20:49	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 20:49*	WG1095442
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/08/2018 20:49*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/08/2018 20:49*	WG1095442

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	207		31.6	100	1	04/11/2018 04:54	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 04:54*	WG1095836

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.25	B J	1.05	25.0	1	04/08/2018 21:09	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 21:09	WG1095442
Benzene	0.638		0.0896	0.500	1	04/08/2018 21:09	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 21:09	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 21:09	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 21:09	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 21:09	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 21:09	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 21:09	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 21:09	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 21:09	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 21:09	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 21:09	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 21:09	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 21:09	WG1095442
Chloroethane	1.09	J	0.141	2.50	1	04/08/2018 21:09	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 21:09	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 21:09	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 21:09	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 21:09	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 21:09	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 21:09	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 21:09	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 21:09	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 21:09	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 21:09	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 21:09	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 21:09	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 21:09	WG1095442
1,1-Dichloroethene	0.371	J	0.188	0.500	1	04/08/2018 21:09	WG1095442
cis-1,2-Dichloroethene	222		0.933	5.00	10	04/10/2018 01:54	WG1095442
trans-1,2-Dichloroethene	1.00		0.152	0.500	1	04/08/2018 21:09	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 21:09	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 21:09	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 21:09	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 21:09	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 21:09	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 21:09	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 21:09	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 21:09	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 21:09	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 21:09	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 21:09	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 21:09	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 21:09	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 21:09	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 21:09	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 21:09	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 21:09	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 21:09	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 21:09	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 21:09	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 21:09	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 21:09	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 21:09	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 21:09	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 21:09	WG1095442
Tetrachloroethene	267		1.99	5.00	10	04/10/2018 01:54	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 21:09	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 21:09	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 21:09	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 21:09	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 21:09	WG1095442
Trichloroethene	70.5		0.153	0.500	1	04/08/2018 21:09	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 21:09	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 21:09	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 21:09	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 21:09	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 21:09	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 21:09	WG1095442
Vinyl chloride	17.6		0.118	0.500	1	04/08/2018 21:09	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 21:09	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 21:09*	WG1095442
(S) Toluene-d8	*98.1*			*80.0-120*		*04/10/2018 01:54*	WG1095442
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/08/2018 21:09*	WG1095442
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 01:54*	WG1095442
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/10/2018 01:54*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/08/2018 21:09*	WG1095442

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	32.9	J	31.6	100	1	04/11/2018 05:18	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 05:18*	WG1095836

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/08/2018 21:29	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 21:29	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 21:29	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 21:29	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 21:29	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 21:29	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 21:29	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 21:29	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 21:29	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 21:29	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 21:29	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 21:29	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 21:29	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 21:29	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 21:29	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 21:29	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 21:29	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 21:29	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 21:29	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 21:29	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 21:29	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 21:29	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 21:29	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 21:29	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 21:29	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 21:29	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 21:29	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 21:29	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 21:29	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 21:29	WG1095442
cis-1,2-Dichloroethene	0.246	J	0.0933	0.500	1	04/10/2018 02:13	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 21:29	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 21:29	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 21:29	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 21:29	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 21:29	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 21:29	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 21:29	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 21:29	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 21:29	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 21:29	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 21:29	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 21:29	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 21:29	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 21:29	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 21:29	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 21:29	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 21:29	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 21:29	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 21:29	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 21:29	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 21:29	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 21:29	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 21:29	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 21:29	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 21:29	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 21:29	WG1095442
Tetrachloroethene	1.58		0.199	0.500	1	04/10/2018 02:13	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 21:29	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 21:29	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 21:29	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 21:29	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 21:29	WG1095442
Trichloroethene	U		0.153	0.500	1	04/08/2018 21:29	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 21:29	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 21:29	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 21:29	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 21:29	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 21:29	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 21:29	WG1095442
Vinyl chloride	0.210	J	0.118	0.500	1	04/08/2018 21:29	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 21:29	WG1095442
(S) Toluene-d8	*102*			*80.0-120*		*04/08/2018 21:29*	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/10/2018 02:13*	WG1095442
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/10/2018 02:13*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/08/2018 21:29*	WG1095442
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/10/2018 02:13*	WG1095442
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/08/2018 21:29*	WG1095442

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 05:41	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 05:41*	WG1095836

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.74	B J	1.05	25.0	1	04/08/2018 21:49	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 21:49	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 21:49	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 21:49	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 21:49	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 21:49	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 21:49	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 21:49	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 21:49	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 21:49	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 21:49	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 21:49	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 21:49	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 21:49	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 21:49	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 21:49	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 21:49	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 21:49	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 21:49	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 21:49	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 21:49	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 21:49	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 21:49	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 21:49	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 21:49	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 21:49	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 21:49	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 21:49	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 21:49	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 21:49	WG1095442
cis-1,2-Dichloroethene	0.959		0.0933	0.500	1	04/08/2018 21:49	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 21:49	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 21:49	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 21:49	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 21:49	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 21:49	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 21:49	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 21:49	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 21:49	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 21:49	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 21:49	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 21:49	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 21:49	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 21:49	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 21:49	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 21:49	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 21:49	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 21:49	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 21:49	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 21:49	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 21:49	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 21:49	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 21:49	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 21:49	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 21:49	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 21:49	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 21:49	WG1095442
Tetrachloroethene	2.93		0.199	0.500	1	04/08/2018 21:49	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 21:49	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 21:49	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 21:49	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 21:49	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 21:49	WG1095442
Trichloroethene	U		0.153	0.500	1	04/08/2018 21:49	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 21:49	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 21:49	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 21:49	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 21:49	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 21:49	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 21:49	WG1095442
Vinyl chloride	6.45		0.118	0.500	1	04/08/2018 21:49	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 21:49	WG1095442
(S) Toluene-d8	*106*			*80.0-120*		*04/08/2018 21:49*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/08/2018 21:49*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/08/2018 21:49*	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.04	B J	1.05	25.0	1	04/08/2018 22:09	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 22:09	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 22:09	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 22:09	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 22:09	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 22:09	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 22:09	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 22:09	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 22:09	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 22:09	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 22:09	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 22:09	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 22:09	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 22:09	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 22:09	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 22:09	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 22:09	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 22:09	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 22:09	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 22:09	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 22:09	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 22:09	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 22:09	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 22:09	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 22:09	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 22:09	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 22:09	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 22:09	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 22:09	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 22:09	WG1095442
cis-1,2-Dichloroethene	18.3		0.0933	0.500	1	04/08/2018 22:09	WG1095442
trans-1,2-Dichloroethene	0.203	J	0.152	0.500	1	04/08/2018 22:09	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 22:09	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 22:09	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 22:09	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 22:09	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 22:09	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 22:09	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 22:09	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 22:09	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 22:09	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 22:09	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 22:09	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 22:09	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 22:09	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 22:09	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 22:09	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 22:09	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/08/2018 22:09	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 22:09	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 22:09	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 22:09	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 22:09	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 22:09	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 22:09	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 22:09	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 22:09	WG1095442
Tetrachloroethene	2.14		0.199	0.500	1	04/08/2018 22:09	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 22:09	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 22:09	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 22:09	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 22:09	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 22:09	WG1095442
Trichloroethene	3.02		0.153	0.500	1	04/08/2018 22:09	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 22:09	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 22:09	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 22:09	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 22:09	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 22:09	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 22:09	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/08/2018 22:09	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 22:09	WG1095442
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 22:09*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/08/2018 22:09*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/08/2018 22:09*	WG1095442

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	156		31.6	100	1	04/11/2018 06:05	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 06:05*	WG1095836

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.89	B J	1.05	25.0	1	04/08/2018 22:29	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 22:29	WG1095442
Benzene	0.251	J	0.0896	0.500	1	04/08/2018 22:29	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 22:29	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 22:29	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 22:29	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 22:29	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 22:29	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 22:29	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 22:29	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 22:29	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 22:29	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 22:29	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 22:29	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 22:29	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 22:29	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 22:29	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 22:29	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 22:29	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 22:29	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 22:29	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 22:29	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 22:29	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 22:29	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 22:29	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 22:29	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 22:29	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 22:29	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 22:29	WG1095442
1,1-Dichloroethene	0.822		0.188	0.500	1	04/08/2018 22:29	WG1095442
cis-1,2-Dichloroethene	104		0.0933	0.500	1	04/08/2018 22:29	WG1095442
trans-1,2-Dichloroethene	0.750		0.152	0.500	1	04/08/2018 22:29	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 22:29	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 22:29	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 22:29	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 22:29	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 22:29	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 22:29	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 22:29	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 22:29	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 22:29	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 22:29	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 22:29	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 22:29	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 22:29	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 22:29	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 22:29	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 22:29	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 22:29	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 22:29	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 22:29	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 22:29	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 22:29	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 22:29	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 22:29	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 22:29	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 22:29	WG1095442
Tetrachloroethene	229		0.995	2.50	5	04/10/2018 02:33	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 22:29	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 22:29	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 22:29	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 22:29	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 22:29	WG1095442
Trichloroethene	26.3		0.153	0.500	1	04/08/2018 22:29	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 22:29	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 22:29	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 22:29	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 22:29	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 22:29	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 22:29	WG1095442
Vinyl chloride	1.45		0.118	0.500	1	04/08/2018 22:29	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 22:29	WG1095442
(S) Toluene-d8	*96.2*			*80.0-120*		*04/10/2018 02:33*	WG1095442
(S) Toluene-d8	*107*			*80.0-120*		*04/08/2018 22:29*	WG1095442
(S) Dibromofluoromethane	*99.0*			*76.0-123*		*04/10/2018 02:33*	WG1095442
(S) Dibromofluoromethane	*111*			*76.0-123*		*04/08/2018 22:29*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/08/2018 22:29*	WG1095442
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/10/2018 02:33*	WG1095442

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 06:29	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 06:29*	WG1095836

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.37	B J	1.05	25.0	1	04/08/2018 22:49	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 22:49	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 22:49	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 22:49	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 22:49	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 22:49	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 22:49	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 22:49	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 22:49	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 22:49	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 22:49	WG1095442
Carbon disulfide	0.144	B J	0.101	0.500	1	04/08/2018 22:49	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 22:49	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 22:49	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 22:49	WG1095442
Chloroethane	2.81		0.141	2.50	1	04/08/2018 22:49	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 22:49	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 22:49	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 22:49	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 22:49	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 22:49	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 22:49	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 22:49	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 22:49	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 22:49	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 22:49	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 22:49	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 22:49	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 22:49	WG1095442
1,1-Dichloroethene	0.198	J	0.188	0.500	1	04/08/2018 22:49	WG1095442
cis-1,2-Dichloroethene	8.89		0.0933	0.500	1	04/08/2018 22:49	WG1095442
trans-1,2-Dichloroethene	0.300	J	0.152	0.500	1	04/08/2018 22:49	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 22:49	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 22:49	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 22:49	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 22:49	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 22:49	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 22:49	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 22:49	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 22:49	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 22:49	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 22:49	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 22:49	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 22:49	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 22:49	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 22:49	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 22:49	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 22:49	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 22:49	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 22:49	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 22:49	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 22:49	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 22:49	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 22:49	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 22:49	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 22:49	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 22:49	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 02:53	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 22:49	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 22:49	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 22:49	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 22:49	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 22:49	WG1095442
Trichloroethene	0.563		0.153	0.500	1	04/08/2018 22:49	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 22:49	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 22:49	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 22:49	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 22:49	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 22:49	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 22:49	WG1095442
Vinyl chloride	11.1		0.118	0.500	1	04/08/2018 22:49	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 22:49	WG1095442
(S) Toluene-d8	*100*			*80.0-120*		*04/10/2018 02:53*	WG1095442
(S) Toluene-d8	*105*			*80.0-120*		*04/08/2018 22:49*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/08/2018 22:49*	WG1095442
(S) Dibromofluoromethane	*98.8*			*76.0-123*		*04/10/2018 02:53*	WG1095442
(S) 4-Bromofluorobenzene	*113*			*80.0-120*		*04/08/2018 22:49*	WG1095442
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/10/2018 02:53*	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.16	B J	1.05	25.0	1	04/08/2018 23:09	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 23:09	WG1095442
Benzene	4.00		0.0896	0.500	1	04/08/2018 23:09	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 23:09	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 23:09	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 23:09	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 23:09	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 23:09	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 23:09	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 23:09	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 23:09	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 23:09	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 23:09	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 23:09	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 23:09	WG1095442
Chloroethane	0.595	J	0.141	2.50	1	04/08/2018 23:09	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 23:09	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 23:09	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 23:09	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 23:09	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 23:09	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 23:09	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 23:09	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 23:09	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 23:09	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 23:09	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 23:09	WG1095442
1,1-Dichloroethane	0.285	J	0.114	0.500	1	04/08/2018 23:09	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 23:09	WG1095442
1,1-Dichloroethene	11.9		0.188	0.500	1	04/08/2018 23:09	WG1095442
cis-1,2-Dichloroethene	1030		4.66	25.0	50	04/10/2018 03:13	WG1095442
trans-1,2-Dichloroethene	7.13		0.152	0.500	1	04/08/2018 23:09	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 23:09	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 23:09	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 23:09	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 23:09	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 23:09	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 23:09	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 23:09	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 23:09	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 23:09	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 23:09	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 23:09	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 23:09	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 23:09	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 23:09	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 23:09	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 23:09	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/08/2018 23:09	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 23:09	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 23:09	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 23:09	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 23:09	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 23:09	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 23:09	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 23:09	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 23:09	WG1095442
Tetrachloroethene	1970		9.95	25.0	50	04/10/2018 03:13	WG1095442
Toluene	0.599		0.412	0.500	1	04/08/2018 23:09	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 23:09	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 23:09	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 23:09	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 23:09	WG1095442
Trichloroethene	284		7.65	25.0	50	04/10/2018 03:13	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 23:09	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 23:09	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 23:09	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 23:09	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 23:09	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 23:09	WG1095442
Vinyl chloride	217		5.90	25.0	50	04/10/2018 03:13	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 23:09	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 23:09*	WG1095442
(S) Toluene-d8	*98.4*			*80.0-120*		*04/10/2018 03:13*	WG1095442
(S) Dibromofluoromethane	*107*			*76.0-123*		*04/08/2018 23:09*	WG1095442
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/10/2018 03:13*	WG1095442
(S) 4-Bromofluorobenzene	*111*			*80.0-120*		*04/08/2018 23:09*	WG1095442
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 03:13*	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/08/2018 23:29	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 23:29	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 23:29	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 23:29	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 23:29	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 23:29	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 23:29	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 23:29	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 23:29	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 23:29	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 23:29	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 23:29	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 23:29	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 23:29	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 23:29	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 23:29	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 23:29	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 23:29	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 23:29	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 23:29	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 23:29	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 23:29	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 23:29	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 23:29	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 23:29	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 23:29	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 23:29	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 23:29	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 23:29	WG1095442
1,1-Dichloroethene	1.21		0.188	0.500	1	04/08/2018 23:29	WG1095442
cis-1,2-Dichloroethene	629		0.933	5.00	10	04/10/2018 03:32	WG1095442
trans-1,2-Dichloroethene	3.34		0.152	0.500	1	04/08/2018 23:29	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 23:29	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 23:29	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 23:29	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 23:29	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 23:29	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 23:29	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 23:29	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 23:29	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 23:29	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 23:29	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 23:29	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 23:29	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 23:29	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 23:29	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 23:29	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 23:29	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/08/2018 23:29	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 23:29	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 23:29	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 23:29	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 23:29	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 23:29	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 23:29	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 23:29	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 23:29	WG1095442
Tetrachloroethene	U		1.99	5.00	10	04/10/2018 03:32	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 23:29	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 23:29	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 23:29	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 23:29	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 23:29	WG1095442
Trichloroethene	210		1.53	5.00	10	04/10/2018 03:32	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 23:29	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 23:29	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 23:29	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 23:29	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 23:29	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 23:29	WG1095442
Vinyl chloride	42.2		0.118	0.500	1	04/08/2018 23:29	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 23:29	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 23:29*	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/10/2018 03:32*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/08/2018 23:29*	WG1095442
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/10/2018 03:32*	WG1095442
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/08/2018 23:29*	WG1095442
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 03:32*	WG1095442

Sample Narrative:

L984034-15 WG1095442: PCE not reportable at 1x due to possible carryover.

L984034-15 WG1095442: PCE cannot be reported at a lower dilution due to high levels of target analytes.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.25	B J	1.05	25.0	1	04/08/2018 23:49	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 23:49	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 23:49	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 23:49	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 23:49	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 23:49	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 23:49	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 23:49	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 23:49	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 23:49	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 23:49	WG1095442
Carbon disulfide	0.132	B J	0.101	0.500	1	04/08/2018 23:49	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 23:49	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 23:49	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 23:49	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 23:49	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 23:49	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 23:49	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 23:49	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 23:49	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 23:49	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 23:49	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 23:49	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 23:49	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 23:49	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 23:49	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 23:49	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 23:49	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 23:49	WG1095442
1,1-Dichloroethene	0.396	J	0.188	0.500	1	04/08/2018 23:49	WG1095442
cis-1,2-Dichloroethene	32.4		0.0933	0.500	1	04/10/2018 03:52	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 23:49	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 23:49	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 23:49	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 23:49	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 23:49	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 23:49	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 23:49	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 23:49	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 23:49	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 23:49	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 23:49	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 23:49	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 23:49	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 23:49	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 23:49	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 23:49	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 23:49	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/08/2018 23:49	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 23:49	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 23:49	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 23:49	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 23:49	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 23:49	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 23:49	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 23:49	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 23:49	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 03:52	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 23:49	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 23:49	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 23:49	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 23:49	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 23:49	WG1095442
Trichloroethene	1.81		0.153	0.500	1	04/10/2018 03:52	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 23:49	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 23:49	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 23:49	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 23:49	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 23:49	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 23:49	WG1095442
Vinyl chloride	22.4		0.118	0.500	1	04/08/2018 23:49	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 23:49	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 23:49*	WG1095442
(S) Toluene-d8	*98.0*			*80.0-120*		*04/10/2018 03:52*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/08/2018 23:49*	WG1095442
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/10/2018 03:52*	WG1095442
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/08/2018 23:49*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/10/2018 03:52*	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.06	B J	1.05	25.0	1	04/09/2018 00:09	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 00:09	WG1095442
Benzene	U		0.0896	0.500	1	04/09/2018 00:09	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 00:09	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 00:09	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 00:09	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 00:09	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 00:09	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 00:09	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 00:09	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 00:09	WG1095442
Carbon disulfide	0.155	B J	0.101	0.500	1	04/09/2018 00:09	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 00:09	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 00:09	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 00:09	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 00:09	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 00:09	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 00:09	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 00:09	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 00:09	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 00:09	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 00:09	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 00:09	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 00:09	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 00:09	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 00:09	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 00:09	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 00:09	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 00:09	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2018 00:09	WG1095442
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 04:12	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2018 00:09	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 00:09	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 00:09	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 00:09	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 00:09	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 00:09	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 00:09	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 00:09	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 00:09	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 00:09	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 00:09	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 00:09	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 00:09	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 00:09	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 00:09	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 00:09	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 00:09	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/09/2018 00:09	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 00:09	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 00:09	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 00:09	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 00:09	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 00:09	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 00:09	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 00:09	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 00:09	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 04:12	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 00:09	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 00:09	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 00:09	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 00:09	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 00:09	WG1095442
Trichloroethene	U		0.153	0.500	1	04/09/2018 00:09	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 00:09	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 00:09	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 00:09	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 00:09	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 00:09	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 00:09	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/09/2018 00:09	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 00:09	WG1095442
(S) Toluene-d8	*106*			*80.0-120*		*04/09/2018 00:09*	WG1095442
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2018 04:12*	WG1095442
(S) Dibromofluoromethane	*99.0*			*76.0-123*		*04/10/2018 04:12*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/09/2018 00:09*	WG1095442
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/09/2018 00:09*	WG1095442
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/10/2018 04:12*	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/10/2018 04:32	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/10/2018 04:32	WG1095442
Benzene	10.6		0.0896	0.500	1	04/10/2018 04:32	WG1095442
Bromobenzene	U		0.133	0.500	1	04/10/2018 04:32	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/10/2018 04:32	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/10/2018 04:32	WG1095442
Bromoform	U		0.186	0.500	1	04/10/2018 04:32	WG1095442
Bromomethane	U		0.157	2.50	1	04/10/2018 04:32	WG1095442
n-Butylbenzene	8.28		0.143	0.500	1	04/10/2018 04:32	WG1095442
sec-Butylbenzene	10.1		0.134	0.500	1	04/10/2018 04:32	WG1095442
tert-Butylbenzene	0.248	J	0.183	0.500	1	04/10/2018 04:32	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/10/2018 04:32	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 04:32	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/10/2018 04:32	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 04:32	WG1095442
Chloroethane	U		0.141	2.50	1	04/10/2018 04:32	WG1095442
Chloroform	U		0.0860	0.500	1	04/10/2018 04:32	WG1095442
Chloromethane	U		0.153	1.25	1	04/10/2018 04:32	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 04:32	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 04:32	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 04:32	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 04:32	WG1095442
Dibromomethane	U		0.117	0.500	1	04/10/2018 04:32	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 04:32	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 04:32	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 04:32	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 04:32	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 04:32	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 04:32	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 04:32	WG1095442
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 04:32	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 04:32	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 04:32	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 04:32	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 04:32	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 04:32	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 04:32	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 04:32	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 04:32	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 04:32	WG1095442
Ethylbenzene	11.7		0.158	0.500	1	04/10/2018 04:32	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 04:32	WG1095442
2-Hexanone	U		0.757	5.00	1	04/10/2018 04:32	WG1095442
n-Hexane	4.87	J	0.305	5.00	1	04/10/2018 04:32	WG1095442
Iodomethane	U		0.377	10.0	1	04/10/2018 04:32	WG1095442
Isopropylbenzene	29.7		0.126	0.500	1	04/10/2018 04:32	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 04:32	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 04:32	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/10/2018 04:32	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 04:32	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 04:32	WG1095442
Naphthalene	6.70		0.174	2.50	1	04/10/2018 04:32	WG1095442
n-Propylbenzene	92.3		0.162	0.500	1	04/10/2018 04:32	WG1095442
Styrene	U		0.117	0.500	1	04/10/2018 04:32	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 04:32	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 04:32	WG1095442

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 04:32	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 04:32	WG1095442
Toluene	1.24		0.412	0.500	1	04/10/2018 04:32	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 04:32	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 04:32	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 04:32	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 04:32	WG1095442
Trichloroethene	U		0.153	0.500	1	04/10/2018 04:32	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 04:32	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 04:32	WG1095442
1,2,4-Trimethylbenzene	1.70		0.123	0.500	1	04/10/2018 04:32	WG1095442
1,2,3-Trimethylbenzene	3.51		0.0739	0.500	1	04/10/2018 04:32	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 04:32	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/10/2018 04:32	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/10/2018 04:32	WG1095442
Xylenes, Total	3.32		0.316	1.50	1	04/10/2018 04:32	WG1095442
(S) Toluene-d8	*91.3*			*80.0-120*		*04/10/2018 04:32*	WG1095442
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 04:32*	WG1095442
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 04:32*	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/09/2018 00:50	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 00:50	WG1095442
Benzene	U		0.0896	0.500	1	04/09/2018 00:50	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 00:50	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 00:50	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 00:50	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 00:50	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 00:50	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 00:50	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 00:50	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 00:50	WG1095442
Carbon disulfide	0.201	B J	0.101	0.500	1	04/09/2018 00:50	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 00:50	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 00:50	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 00:50	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 00:50	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 00:50	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 00:50	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 00:50	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 00:50	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 00:50	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 00:50	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 00:50	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 00:50	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 00:50	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 00:50	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 00:50	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 00:50	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 00:50	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2018 00:50	WG1095442
cis-1,2-Dichloroethene	16.5		0.0933	0.500	1	04/09/2018 00:50	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2018 00:50	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 00:50	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 00:50	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 00:50	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 00:50	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 00:50	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 00:50	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 00:50	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 00:50	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 00:50	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 00:50	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 00:50	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 00:50	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 00:50	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 00:50	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 00:50	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 00:50	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/09/2018 00:50	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 00:50	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 00:50	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 00:50	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 00:50	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 00:50	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 00:50	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 00:50	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 00:50	WG1095442
Tetrachloroethene	0.618		0.199	0.500	1	04/09/2018 00:50	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 00:50	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 00:50	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 00:50	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 00:50	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 00:50	WG1095442
Trichloroethene	U		0.153	0.500	1	04/09/2018 00:50	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 00:50	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 00:50	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 00:50	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 00:50	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 00:50	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 00:50	WG1095442
Vinyl chloride	121		0.118	0.500	1	04/09/2018 00:50	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 00:50	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/09/2018 00:50*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/09/2018 00:50*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/09/2018 00:50*	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.11	B J	1.05	25.0	1	04/09/2018 01:10	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 01:10	WG1095442
Benzene	3.83		0.0896	0.500	1	04/09/2018 01:10	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 01:10	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 01:10	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 01:10	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 01:10	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 01:10	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 01:10	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 01:10	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 01:10	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/09/2018 01:10	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 01:10	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 01:10	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 01:10	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 01:10	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 01:10	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 01:10	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 01:10	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 01:10	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 01:10	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 01:10	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 01:10	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 01:10	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 01:10	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 01:10	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 01:10	WG1095442
1,1-Dichloroethane	0.251	J	0.114	0.500	1	04/09/2018 01:10	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 01:10	WG1095442
1,1-Dichloroethene	11.2		0.188	0.500	1	04/09/2018 01:10	WG1095442
cis-1,2-Dichloroethene	1020		4.66	25.0	50	04/10/2018 04:52	WG1095442
trans-1,2-Dichloroethene	7.91		0.152	0.500	1	04/09/2018 01:10	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 01:10	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 01:10	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 01:10	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 01:10	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 01:10	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 01:10	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 01:10	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 01:10	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 01:10	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 01:10	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 01:10	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 01:10	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 01:10	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 01:10	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 01:10	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 01:10	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/09/2018 01:10	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 01:10	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 01:10	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 01:10	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 01:10	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 01:10	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 01:10	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 01:10	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 01:10	WG1095442
Tetrachloroethene	1980		9.95	25.0	50	04/10/2018 04:52	WG1095442
Toluene	0.597		0.412	0.500	1	04/09/2018 01:10	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 01:10	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 01:10	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 01:10	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 01:10	WG1095442
Trichloroethene	287		7.65	25.0	50	04/10/2018 04:52	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 01:10	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 01:10	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 01:10	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 01:10	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 01:10	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 01:10	WG1095442
Vinyl chloride	231		5.90	25.0	50	04/10/2018 04:52	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 01:10	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/09/2018 01:10*	WG1095442
(S) Toluene-d8	*108*			*80.0-120*		*04/10/2018 04:52*	WG1095442
(S) Dibromofluoromethane	*97.0*			*76.0-123*		*04/10/2018 04:52*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/09/2018 01:10*	WG1095442
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/10/2018 04:52*	WG1095442
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/09/2018 01:10*	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.5	250	10	04/09/2018 01:30	WG1095442
Acrylonitrile	U		8.73	50.0	10	04/09/2018 01:30	WG1095442
Benzene	181		0.896	5.00	10	04/09/2018 01:30	WG1095442
Bromobenzene	U		1.33	5.00	10	04/09/2018 01:30	WG1095442
Bromodichloromethane	U		0.800	5.00	10	04/09/2018 01:30	WG1095442
Bromochloromethane	U		1.45	5.00	10	04/09/2018 01:30	WG1095442
Bromoform	U		1.86	5.00	10	04/09/2018 01:30	WG1095442
Bromomethane	U		1.57	25.0	10	04/09/2018 01:30	WG1095442
n-Butylbenzene	U		1.43	5.00	10	04/09/2018 01:30	WG1095442
sec-Butylbenzene	2.31	J	1.34	5.00	10	04/09/2018 01:30	WG1095442
tert-Butylbenzene	U		1.83	5.00	10	04/09/2018 01:30	WG1095442
Carbon disulfide	U		1.01	5.00	10	04/09/2018 01:30	WG1095442
Carbon tetrachloride	U		1.59	5.00	10	04/09/2018 01:30	WG1095442
Chlorobenzene	U		1.40	5.00	10	04/09/2018 01:30	WG1095442
Chlorodibromomethane	U		1.28	5.00	10	04/09/2018 01:30	WG1095442
Chloroethane	U		1.41	25.0	10	04/09/2018 01:30	WG1095442
Chloroform	U		0.860	5.00	10	04/09/2018 01:30	WG1095442
Chloromethane	U		1.53	12.5	10	04/09/2018 01:30	WG1095442
2-Chlorotoluene	U		1.11	5.00	10	04/09/2018 01:30	WG1095442
4-Chlorotoluene	U		0.972	5.00	10	04/09/2018 01:30	WG1095442
1,2-Dibromo-3-Chloropropane	U		3.25	25.0	10	04/09/2018 01:30	WG1095442
1,2-Dibromoethane	U		1.93	5.00	10	04/09/2018 01:30	WG1095442
Dibromomethane	U		1.17	5.00	10	04/09/2018 01:30	WG1095442
1,2-Dichlorobenzene	U		1.01	5.00	10	04/09/2018 01:30	WG1095442
1,3-Dichlorobenzene	U		1.30	5.00	10	04/09/2018 01:30	WG1095442
1,4-Dichlorobenzene	U		1.21	5.00	10	04/09/2018 01:30	WG1095442
Dichlorodifluoromethane	U		1.27	25.0	10	04/09/2018 01:30	WG1095442
1,1-Dichloroethane	U		1.14	5.00	10	04/09/2018 01:30	WG1095442
1,2-Dichloroethane	U		1.08	5.00	10	04/09/2018 01:30	WG1095442
1,1-Dichloroethene	U		1.88	5.00	10	04/09/2018 01:30	WG1095442
cis-1,2-Dichloroethene	U		0.933	5.00	10	04/10/2018 05:12	WG1095442
trans-1,2-Dichloroethene	U		1.52	5.00	10	04/09/2018 01:30	WG1095442
1,2-Dichloropropane	U		1.90	5.00	10	04/09/2018 01:30	WG1095442
1,1-Dichloropropene	U		1.28	5.00	10	04/09/2018 01:30	WG1095442
1,3-Dichloropropane	U		1.47	10.0	10	04/09/2018 01:30	WG1095442
cis-1,3-Dichloropropene	U		0.976	5.00	10	04/09/2018 01:30	WG1095442
trans-1,3-Dichloropropene	U		2.22	5.00	10	04/09/2018 01:30	WG1095442
trans-1,4-Dichloro-2-butene	U		2.57	50.0	10	04/09/2018 01:30	WG1095442
2,2-Dichloropropane	U		0.929	5.00	10	04/09/2018 01:30	WG1095442
Di-isopropyl ether	U		0.924	5.00	10	04/09/2018 01:30	WG1095442
Ethylbenzene	26.6		1.58	5.00	10	04/09/2018 01:30	WG1095442
Hexachloro-1,3-butadiene	U		1.57	10.0	10	04/09/2018 01:30	WG1095442
2-Hexanone	U		7.57	50.0	10	04/09/2018 01:30	WG1095442
n-Hexane	36.9	J	3.05	50.0	10	04/09/2018 01:30	WG1095442
Iodomethane	U		3.77	100	10	04/09/2018 01:30	WG1095442
Isopropylbenzene	53.2		1.26	5.00	10	04/09/2018 01:30	WG1095442
p-Isopropyltoluene	U		1.38	5.00	10	04/09/2018 01:30	WG1095442
2-Butanone (MEK)	U		12.8	50.0	10	04/09/2018 01:30	WG1095442
Methylene Chloride	U		10.7	25.0	10	04/09/2018 01:30	WG1095442
4-Methyl-2-pentanone (MIBK)	U		8.23	50.0	10	04/09/2018 01:30	WG1095442
Methyl tert-butyl ether	U		1.02	5.00	10	04/09/2018 01:30	WG1095442
Naphthalene	4.50	B J	1.74	25.0	10	04/09/2018 01:30	WG1095442
n-Propylbenzene	88.0		1.62	5.00	10	04/09/2018 01:30	WG1095442
Styrene	U		1.17	5.00	10	04/09/2018 01:30	WG1095442
1,1,1,2-Tetrachloroethane	U		1.20	5.00	10	04/09/2018 01:30	WG1095442
1,1,2,2-Tetrachloroethane	U		1.30	5.00	10	04/09/2018 01:30	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		1.64	5.00	10	04/09/2018 01:30	WG1095442
Tetrachloroethene	U		1.99	5.00	10	04/10/2018 05:12	WG1095442
Toluene	12.1		4.12	5.00	10	04/09/2018 01:30	WG1095442
1,2,3-Trichlorobenzene	U		1.64	5.00	10	04/09/2018 01:30	WG1095442
1,2,4-Trichlorobenzene	U		3.55	5.00	10	04/09/2018 01:30	WG1095442
1,1,1-Trichloroethane	U		0.940	5.00	10	04/09/2018 01:30	WG1095442
1,1,2-Trichloroethane	U		1.86	5.00	10	04/09/2018 01:30	WG1095442
Trichloroethene	U		1.53	5.00	10	04/10/2018 05:12	WG1095442
Trichlorofluoromethane	U		1.30	25.0	10	04/09/2018 01:30	WG1095442
1,2,3-Trichloropropane	U		2.47	25.0	10	04/09/2018 01:30	WG1095442
1,2,4-Trimethylbenzene	U		1.23	5.00	10	04/09/2018 01:30	WG1095442
1,2,3-Trimethylbenzene	7.86		0.739	5.00	10	04/09/2018 01:30	WG1095442
1,3,5-Trimethylbenzene	2.77	J	1.24	5.00	10	04/09/2018 01:30	WG1095442
Vinyl acetate	U	J4	6.45	50.0	10	04/09/2018 01:30	WG1095442
Vinyl chloride	U		1.18	5.00	10	04/09/2018 01:30	WG1095442
Xylenes, Total	28.4		3.16	15.0	10	04/09/2018 01:30	WG1095442
(S) Toluene-d8	*99.2*			*80.0-120*		*04/10/2018 05:12*	WG1095442
(S) Toluene-d8	*105*			*80.0-120*		*04/09/2018 01:30*	WG1095442
(S) Dibromofluoromethane	*107*			*76.0-123*		*04/09/2018 01:30*	WG1095442
(S) Dibromofluoromethane	*98.8*			*76.0-123*		*04/10/2018 05:12*	WG1095442
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/10/2018 05:12*	WG1095442
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/09/2018 01:30*	WG1095442

Sample Narrative:

L984034-21 WG1095442: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/09/2018 01:50	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 01:50	WG1095442
Benzene	U		0.0896	0.500	1	04/09/2018 01:50	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 01:50	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 01:50	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 01:50	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 01:50	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 01:50	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 01:50	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 01:50	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 01:50	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/09/2018 01:50	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 01:50	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 01:50	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 01:50	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 01:50	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 01:50	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 01:50	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 01:50	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 01:50	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 01:50	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 01:50	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 01:50	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 01:50	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 01:50	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 01:50	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 01:50	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 01:50	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 01:50	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2018 01:50	WG1095442
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 05:32	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2018 01:50	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 01:50	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 01:50	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 01:50	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 01:50	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 01:50	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 01:50	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 01:50	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 01:50	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 01:50	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 01:50	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 01:50	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 01:50	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 01:50	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 01:50	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 01:50	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 01:50	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/09/2018 01:50	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 01:50	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 01:50	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 01:50	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 01:50	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 01:50	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 01:50	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 01:50	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 01:50	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 05:32	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 01:50	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 01:50	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 01:50	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 01:50	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 01:50	WG1095442
Trichloroethene	U		0.153	0.500	1	04/09/2018 01:50	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 01:50	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 01:50	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 01:50	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 01:50	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 01:50	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 01:50	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/09/2018 01:50	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 01:50	WG1095442
(S) Toluene-d8	*100*			*80.0-120*		*04/10/2018 05:32*	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/09/2018 01:50*	WG1095442
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/10/2018 05:32*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/09/2018 01:50*	WG1095442
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/10/2018 05:32*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/09/2018 01:50*	WG1095442

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 06:52	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 06:52*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.55	B J	1.05	25.0	1	04/09/2018 02:10	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 02:10	WG1095442
Benzene	U		0.0896	0.500	1	04/09/2018 02:10	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 02:10	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 02:10	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 02:10	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 02:10	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 02:10	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 02:10	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 02:10	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 02:10	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/09/2018 02:10	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 02:10	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 02:10	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 02:10	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 02:10	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 02:10	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 02:10	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 02:10	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 02:10	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 02:10	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 02:10	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 02:10	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 02:10	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 02:10	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 02:10	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 02:10	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 02:10	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 02:10	WG1095442
1,1-Dichloroethene	0.347	J	0.188	0.500	1	04/09/2018 02:10	WG1095442
cis-1,2-Dichloroethene	19.4		0.0933	0.500	1	04/09/2018 02:10	WG1095442
trans-1,2-Dichloroethene	0.277	J	0.152	0.500	1	04/09/2018 02:10	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 02:10	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 02:10	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 02:10	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 02:10	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 02:10	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 02:10	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 02:10	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 02:10	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 02:10	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 02:10	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 02:10	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 02:10	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 02:10	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 02:10	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 02:10	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 02:10	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/09/2018 02:10	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 02:10	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 02:10	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 02:10	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 02:10	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 02:10	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 02:10	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 02:10	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 02:10	WG1095442
Tetrachloroethene	1.85		0.199	0.500	1	04/09/2018 02:10	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 02:10	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 02:10	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 02:10	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 02:10	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 02:10	WG1095442
Trichloroethene	2.24		0.153	0.500	1	04/09/2018 02:10	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 02:10	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 02:10	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 02:10	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 02:10	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 02:10	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 02:10	WG1095442
Vinyl chloride	26.9		0.118	0.500	1	04/09/2018 02:10	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 02:10	WG1095442
(S) Toluene-d8	*105*			*80.0-120*		*04/09/2018 02:10*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/09/2018 02:10*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/09/2018 02:10*	WG1095442

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 07:16	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 07:16*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.33	B J	1.05	25.0	1	04/09/2018 02:30	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 02:30	WG1095442
Benzene	U		0.0896	0.500	1	04/09/2018 02:30	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 02:30	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 02:30	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 02:30	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 02:30	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 02:30	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 02:30	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 02:30	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 02:30	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/09/2018 02:30	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 02:30	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 02:30	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 02:30	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 02:30	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 02:30	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 02:30	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 02:30	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 02:30	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 02:30	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 02:30	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 02:30	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 02:30	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 02:30	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 02:30	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 02:30	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 02:30	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 02:30	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2018 02:30	WG1095442
cis-1,2-Dichloroethene	0.278	J	0.0933	0.500	1	04/09/2018 02:30	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2018 02:30	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 02:30	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 02:30	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 02:30	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 02:30	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 02:30	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 02:30	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 02:30	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 02:30	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 02:30	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 02:30	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 02:30	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 02:30	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 02:30	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 02:30	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 02:30	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 02:30	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/09/2018 02:30	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 02:30	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 02:30	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 02:30	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 02:30	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 02:30	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 02:30	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 02:30	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 02:30	WG1095442
Tetrachloroethene	0.580		0.199	0.500	1	04/09/2018 02:30	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 02:30	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 02:30	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 02:30	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 02:30	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 02:30	WG1095442
Trichloroethene	U		0.153	0.500	1	04/09/2018 02:30	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 02:30	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 02:30	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 02:30	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 02:30	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 02:30	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 02:30	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/09/2018 02:30	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 02:30	WG1095442
(S) Toluene-d8	*106*			*80.0-120*		*04/09/2018 02:30*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/09/2018 02:30*	WG1095442
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/09/2018 02:30*	WG1095442

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 01:49	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 01:49*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/08/2018 19:43	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 19:43	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 19:43	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 19:43	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 19:43	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 19:43	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 19:43	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 19:43	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 19:43	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 19:43	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 19:43	WG1095442
Carbon disulfide	0.153	B J	0.101	0.500	1	04/08/2018 19:43	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 19:43	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 19:43	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 19:43	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 19:43	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 19:43	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 19:43	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 19:43	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 19:43	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 19:43	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 19:43	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 19:43	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 19:43	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 19:43	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 19:43	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 19:43	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 19:43	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 19:43	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 19:43	WG1095442
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/08/2018 19:43	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 19:43	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 19:43	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 19:43	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 19:43	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 19:43	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 19:43	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 19:43	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 19:43	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 19:43	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 19:43	WG1095442
Hexachloro-1,3-butadiene	0.279	B J	0.157	1.00	1	04/08/2018 19:43	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 19:43	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 19:43	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 19:43	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 19:43	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 19:43	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 19:43	WG1095442

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		1.07	2.50	1	04/08/2018 19:43	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 19:43	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 19:43	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 19:43	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 19:43	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 19:43	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 19:43	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 19:43	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 19:43	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/08/2018 19:43	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 19:43	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 19:43	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 19:43	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 19:43	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 19:43	WG1095442
Trichloroethene	U		0.153	0.500	1	04/08/2018 19:43	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 19:43	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 19:43	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 19:43	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 19:43	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 19:43	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 19:43	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/08/2018 19:43	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 19:43	WG1095442
(S) Toluene-d8	*105*			*80.0-120*		*04/08/2018 19:43*	WG1095442
(S) Dibromofluoromethane	*107*			*76.0-123*		*04/08/2018 19:43*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/08/2018 19:43*	WG1095442

Method Blank (MB)

(MB) R3300969-3 04/11/18 01:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3300969-1 04/11/18 00:17 • (LCSD) R3300969-2 04/11/18 00:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4770	4930	86.6	89.7	72.0-134			3.49	20
(S) a,a,a-Trifluorotoluene(FID)				*98.3*	*98.3*	*77.0-122*				

L983865-56 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L983865-56 04/12/18 06:38 • (MS) R3301114-1 04/12/18 07:01 • (MSD) R3301114-2 04/12/18 07:23

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500		2250	2300	41.0	41.8	1	23.0-159			2.01	20
(S) a,a,a-Trifluorotoluene(FID)					*95.5*	*95.4*		*77.0-122*				

Method Blank (MB)

(MB) R3301372-3 04/08/18 20:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
n-Hexane	U		0.305	5.00

Method Blank (MB)

(MB) R3301372-3 04/08/18 20:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*96.7*			*80.0-120*
(S) Dibromofluoromethane	*93.7*			*76.0-123*
(S) 4-Bromofluorobenzene	*98.8*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301372-1 04/08/18 19:33 • (LCSD) R3301372-2 04/08/18 19:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	132	132	105	106	10.0-160			0.274	23
Acrylonitrile	125	105	108	83.7	86.1	60.0-142			2.89	20
Benzene	25.0	22.9	23.0	91.6	91.9	69.0-123			0.296	20
trans-1,4-Dichloro-2-butene	25.0	25.3	25.9	101	103	55.0-134			2.08	20
Bromobenzene	25.0	24.9	25.3	99.4	101	79.0-120			1.76	20
Bromodichloromethane	25.0	27.4	26.5	110	106	76.0-120			3.34	20
Bromochloromethane	25.0	22.7	23.4	90.8	93.5	76.0-122			2.94	20
Bromoform	25.0	25.9	26.2	104	105	67.0-132			0.954	20
Bromomethane	25.0	24.3	25.9	97.1	104	18.0-160			6.46	20
n-Hexane	25.0	20.5	19.6	82.1	78.5	56.0-124			4.52	20
Iodomethane	125	125	127	99.7	102	57.0-140			2.29	20
n-Butylbenzene	25.0	24.9	24.6	99.6	98.4	72.0-126			1.17	20
sec-Butylbenzene	25.0	25.3	25.5	101	102	74.0-121			0.623	20
tert-Butylbenzene	25.0	25.0	24.9	99.9	99.8	75.0-122			0.139	20
Carbon disulfide	25.0	22.8	23.2	91.2	92.7	55.0-127			1.62	20
Carbon tetrachloride	25.0	27.5	27.3	110	109	63.0-122			0.841	20
Chlorobenzene	25.0	26.4	26.3	106	105	79.0-121			0.395	20
Chlorodibromomethane	25.0	27.3	27.0	109	108	75.0-125			1.20	20
Chloroethane	25.0	20.1	21.3	80.2	85.1	47.0-152			5.95	20
Chloroform	25.0	24.7	24.8	98.6	99.0	72.0-121			0.413	20
Chloromethane	25.0	23.1	22.5	92.2	89.9	48.0-139			2.52	20
2-Chlorotoluene	25.0	26.9	26.6	107	106	74.0-122			1.08	20
4-Chlorotoluene	25.0	25.6	25.9	103	104	79.0-120			1.17	20
1,2-Dibromo-3-Chloropropane	25.0	24.5	24.1	97.9	96.2	64.0-127			1.68	20
1,2-Dibromoethane	25.0	25.7	26.1	103	104	77.0-123			1.69	20
Dibromomethane	25.0	29.1	29.0	116	116	78.0-120			0.425	20
1,2-Dichlorobenzene	25.0	25.6	25.1	102	101	80.0-120			1.90	20
1,3-Dichlorobenzene	25.0	25.5	26.1	102	104	72.0-123			2.20	20
1,4-Dichlorobenzene	25.0	25.8	25.2	103	101	77.0-120			2.19	20
Dichlorodifluoromethane	25.0	29.7	30.4	119	122	49.0-155			2.36	20
1,1-Dichloroethane	25.0	23.1	23.7	92.3	95.0	70.0-126			2.85	20
1,2-Dichloroethane	25.0	26.9	27.3	108	109	67.0-126			1.42	20
1,1-Dichloroethene	25.0	20.9	22.5	83.5	90.1	64.0-129			7.57	20
cis-1,2-Dichloroethene	25.0	22.7	22.4	90.8	89.7	73.0-120			1.16	20
Vinyl acetate	125	83.2	85.1	66.6	68.1	46.0-160			2.21	20
trans-1,2-Dichloroethene	25.0	22.2	23.0	88.6	92.0	71.0-121			3.66	20
1,2-Dichloropropane	25.0	25.0	24.7	100	98.6	75.0-125			1.55	20
1,1-Dichloropropene	25.0	25.2	25.0	101	99.9	71.0-129			0.691	20
1,3-Dichloropropane	25.0	26.6	26.6	106	106	80.0-121			0.00511	20
cis-1,3-Dichloropropene	25.0	27.6	27.1	110	108	79.0-123			2.00	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301372-1 04/08/18 19:33 • (LCSD) R3301372-2 04/08/18 19:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	25.0	28.2	28.0	113	112	74.0-127			0.592	20
2,2-Dichloropropane	25.0	26.5	24.5	106	97.9	60.0-125			7.91	20
Di-isopropyl ether	25.0	20.5	20.6	82.0	82.2	59.0-133			0.302	20
Ethylbenzene	25.0	25.9	25.0	103	100	77.0-120			3.31	20
Hexachloro-1,3-butadiene	25.0	28.7	27.6	115	110	64.0-131			3.91	20
2-Hexanone	125	139	138	111	111	58.0-147			0.495	20
Isopropylbenzene	25.0	25.8	25.5	103	102	75.0-120			1.38	20
p-Isopropyltoluene	25.0	25.1	25.0	100	100	74.0-126			0.352	20
2-Butanone (MEK)	125	123	125	98.5	100	37.0-158			1.54	20
Methylene Chloride	25.0	21.5	21.4	86.2	85.8	66.0-121			0.448	20
4-Methyl-2-pentanone (MIBK)	125	123	122	98.1	97.7	59.0-143			0.348	20
Methyl tert-butyl ether	25.0	24.9	25.0	99.6	99.9	64.0-123			0.389	20
Naphthalene	25.0	23.6	23.6	94.5	94.6	62.0-128			0.0473	20
n-Propylbenzene	25.0	25.6	25.1	102	100	79.0-120			2.14	20
Styrene	25.0	24.2	24.1	96.7	96.3	78.0-124			0.455	20
1,1,1,2-Tetrachloroethane	25.0	28.0	27.1	112	108	75.0-122			3.14	20
1,1,2,2-Tetrachloroethane	25.0	23.1	22.6	92.3	90.5	71.0-122			1.98	20
Tetrachloroethene	25.0	28.1	29.5	113	118	70.0-127			4.81	20
Toluene	25.0	25.8	25.8	103	103	77.0-120			0.292	20
1,1,2-Trichlorotrifluoroethane	25.0	25.5	25.2	102	101	61.0-136			1.17	20
1,2,3-Trichlorobenzene	25.0	25.0	25.9	100	103	61.0-133			3.22	20
1,2,4-Trichlorobenzene	25.0	27.6	26.8	110	107	69.0-129			2.96	20
1,1,1-Trichloroethane	25.0	25.9	25.9	104	103	68.0-122			0.326	20
1,1,2-Trichloroethane	25.0	24.3	24.4	97.4	97.7	78.0-120			0.325	20
Trichloroethene	25.0	26.7	25.7	107	103	78.0-120			3.60	20
Trichlorofluoromethane	25.0	27.7	27.6	111	110	56.0-137			0.362	20
1,2,3-Trichloropropane	25.0	24.8	24.9	99.3	99.5	72.0-124			0.231	20
1,2,3-Trimethylbenzene	25.0	26.2	25.5	105	102	75.0-120			2.64	20
1,2,4-Trimethylbenzene	25.0	25.0	24.6	100	98.5	75.0-120			1.45	20
1,3,5-Trimethylbenzene	25.0	25.4	25.4	102	102	75.0-120			0.0995	20
Vinyl chloride	25.0	24.8	25.0	99.1	100	64.0-133			0.866	20
Xylenes, Total	75.0	76.4	76.4	102	102	77.0-120			0.000	20
(S) Toluene-d8				*96.7*	*96.6*	*80.0-120*				
(S) Dibromofluoromethane				*93.4*	*96.1*	*76.0-123*				
(S) 4-Bromofluorobenzene				*96.6*	*95.3*	*80.0-120*				

Method Blank (MB)

(MB) R3300184-2 04/08/18 19:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	1.39	J	1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	0.162	J	0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
2-Chlorotoluene	U		0.111	0.500
Chloromethane	U		0.153	1.25
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
Dibromomethane	U		0.117	0.500
1,2-Dibromoethane	U		0.193	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,4-Dichlorobenzene	U		0.121	0.500
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
Hexachloro-1,3-butadiene	0.726	J	0.157	1.00

Method Blank (MB)

(MB) R3300184-2 04/08/18 19:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
n-Hexane	U		0.305	5.00
Ethylbenzene	U		0.158	0.500
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Hexanone	U		0.757	5.00
n-Propylbenzene	U		0.162	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
2-Butanone (MEK)	U		1.28	5.00
1,2,3-Trichlorobenzene	0.300	J	0.164	0.500
Methylene Chloride	U		1.07	2.50
1,2,4-Trichlorobenzene	U		0.355	0.500
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	0.237	J	0.174	2.50
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Styrene	U		0.117	0.500
Vinyl acetate	U		0.645	5.00
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*106*			*76.0-123*
(S) 4-Bromofluorobenzene	*108*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3300184-1 04/08/18 18:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	125	173	138	60.0-142	
Bromobenzene	25.0	24.5	98.0	79.0-120	
Bromochloromethane	25.0	28.7	115	76.0-122	
n-Butylbenzene	25.0	24.1	96.4	72.0-126	
sec-Butylbenzene	25.0	24.2	96.9	74.0-121	
tert-Butylbenzene	25.0	25.0	100	75.0-122	
2-Chlorotoluene	25.0	24.6	98.3	74.0-122	
4-Chlorotoluene	25.0	23.6	94.5	79.0-120	
Dibromomethane	25.0	25.0	99.9	78.0-120	
Dichlorodifluoromethane	25.0	27.7	111	49.0-155	
1,1-Dichloropropene	25.0	27.0	108	71.0-129	
Acetone	125	112	89.9	10.0-160	
1,3-Dichloropropane	25.0	25.9	104	80.0-121	
Benzene	25.0	24.5	98.2	69.0-123	
trans-1,4-Dichloro-2-butene	25.0	31.3	125	55.0-134	
2,2-Dichloropropane	25.0	25.9	104	60.0-125	
Bromodichloromethane	25.0	20.1	80.3	76.0-120	
Bromoform	25.0	29.4	118	67.0-132	
Bromomethane	25.0	26.6	106	18.0-160	
Hexachloro-1,3-butadiene	25.0	25.0	100	64.0-131	
n-Hexane	25.0	27.0	108	56.0-124	
Iodomethane	125	123	98.3	57.0-140	
Isopropylbenzene	25.0	26.9	108	75.0-120	
Carbon disulfide	25.0	23.1	92.4	55.0-127	
p-Isopropyltoluene	25.0	25.1	100	74.0-126	
Carbon tetrachloride	25.0	26.2	105	63.0-122	
Chlorobenzene	25.0	25.3	101	79.0-121	
Chlorodibromomethane	25.0	26.7	107	75.0-125	
Chloroethane	25.0	26.0	104	47.0-152	
Chloroform	25.0	23.9	95.4	72.0-121	
n-Propylbenzene	25.0	26.2	105	79.0-120	
Chloromethane	25.0	26.9	108	48.0-139	
1,1,1,2-Tetrachloroethane	25.0	24.9	99.6	75.0-122	
1,2-Dibromo-3-Chloropropane	25.0	26.4	105	64.0-127	
1,2-Dibromoethane	25.0	27.5	110	77.0-123	
1,2,3-Trichlorobenzene	25.0	27.7	111	61.0-133	
1,2-Dichlorobenzene	25.0	27.0	108	80.0-120	
1,2,4-Trichlorobenzene	25.0	27.4	109	69.0-129	
1,3-Dichlorobenzene	25.0	25.5	102	72.0-123	
1,4-Dichlorobenzene	25.0	25.5	102	77.0-120	

Laboratory Control Sample (LCS)

(LCS) R3300184-1 04/08/18 18:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Trichlorofluoromethane	25.0	26.7	107	56.0-137	
1,1-Dichloroethane	25.0	27.4	110	70.0-126	
1,2,3-Trichloropropane	25.0	28.0	112	72.0-124	
1,2,4-Trimethylbenzene	25.0	23.8	95.2	75.0-120	
1,2-Dichloroethane	25.0	28.0	112	67.0-126	
1,1-Dichloroethene	25.0	24.8	99.3	64.0-129	
1,3,5-Trimethylbenzene	25.0	24.8	99.1	75.0-120	
cis-1,2-Dichloroethene	25.0	23.7	94.7	73.0-120	
trans-1,2-Dichloroethene	25.0	24.9	99.6	71.0-121	
Vinyl acetate	125	270	216	46.0-160	J4
1,2-Dichloropropane	25.0	26.1	104	75.0-125	
cis-1,3-Dichloropropene	25.0	27.8	111	79.0-123	
trans-1,3-Dichloropropene	25.0	26.6	106	74.0-127	
Di-isopropyl ether	25.0	27.8	111	59.0-133	
Ethylbenzene	25.0	24.6	98.4	77.0-120	
2-Hexanone	125	142	113	58.0-147	
2-Butanone (MEK)	125	135	108	37.0-158	
Methylene Chloride	25.0	24.7	98.8	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	140	112	59.0-143	
Methyl tert-butyl ether	25.0	24.0	96.0	64.0-123	
Naphthalene	25.0	26.7	107	62.0-128	
Styrene	25.0	27.1	108	78.0-124	
1,1,2,2-Tetrachloroethane	25.0	25.4	102	71.0-122	
Tetrachloroethene	25.0	25.7	103	70.0-127	
Toluene	25.0	23.1	92.4	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	27.5	110	61.0-136	
1,1,1-Trichloroethane	25.0	23.0	92.2	68.0-122	
1,1,2-Trichloroethane	25.0	23.5	94.1	78.0-120	
Trichloroethene	25.0	25.1	100	78.0-120	
1,2,3-Trimethylbenzene	25.0	26.2	105	75.0-120	
Vinyl chloride	25.0	29.5	118	64.0-133	
Xylenes, Total	75.0	72.6	96.8	77.0-120	
(S) Toluene-d8			*104*	*80.0-120*	
(S) Dibromofluoromethane			*107*	*76.0-123*	
(S) 4-Bromofluorobenzene			*111*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J4	The associated batch QC was outside the established quality control range for accuracy.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

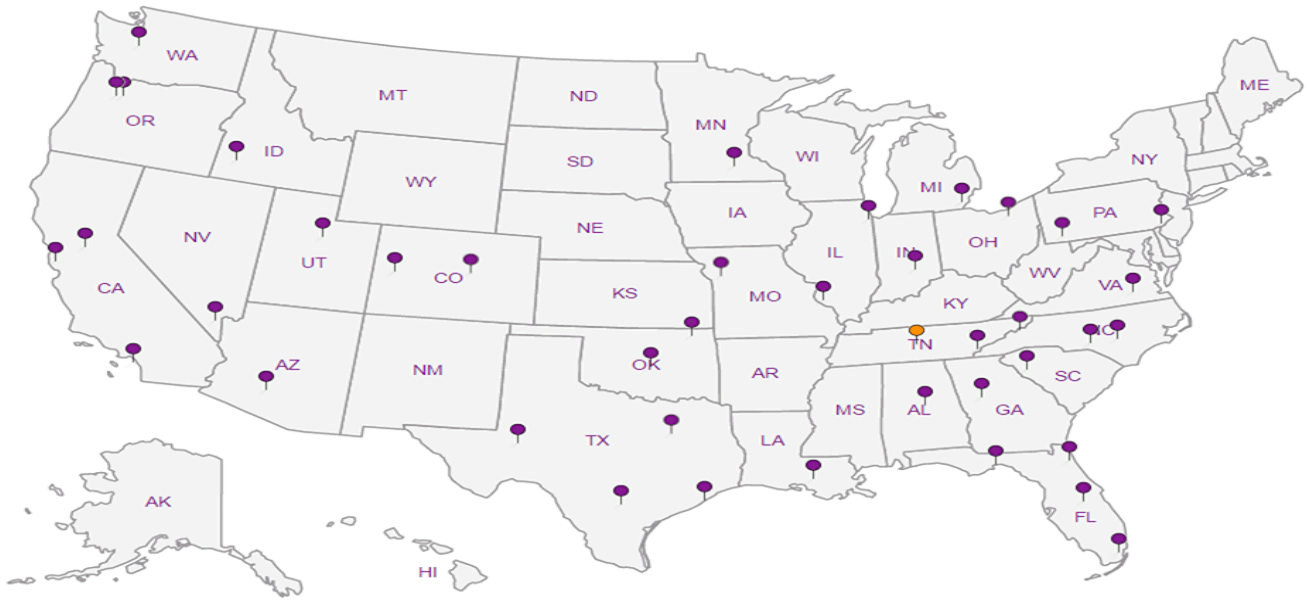
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen Supply

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
IW-9D-040418	Grab	GW		4/4/18	0835	3						X		-01
IW-8D-040418		GW		4/4/18	1005	3						X		-02
IW-8C-040418		GW		4/4/18	1106	3						X		-03
IW-45A-040418		GW		4/4/18	1326	3						X		-04
R-MW3-040418		GW		4/4/18	1615	6		X				X		-05
J15-040518		GW		4/5/18	0827	6		X				X		-06
F13-040518		GW		4/5/18	0922	6		X				X		-07
J5-040518		GW		4/5/18	1010	6		X				X		-08
MW-9-040518		GW		4/5/18	1418	6		X				X		-09
MW21-040518	↓	GW		4/5/18	1521	6		X				X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking # 4196 3255 8846

Trip Blank Received: (Yes) / No
HCL / MeoH
TBR

Temp: 2.6 °C Bottles Received: 100 + 1 TB

If preservation required by Login: Date/Time

Hold:

Condition: (NCF) / (OK)

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 4/7/18 Time: 0845

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Chain of Custody Page 1 of 3

ESC LAB SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 984034

Tat F138

Acctnum: PESENVSWA
Template: T134175
Prelogin: P645197
TSR: 110 - Brian Ford
PB: 3-22-18CS

Shipped Via: FedEX Ground

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen Supply

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
MW119-040518	Grab	GW		4/5/18	1629	3						X		11
K8-45 18		GW		4/5/18	1211	6		X				X		12
MW15-4-5+18		GW		4/5/18	1115	6		X				X		13
MW108-040618		GW		4/6/18	0915	3						X		14
MW109-040618		GW		4/6/18	1012	3						X		15
MW103-040618		GW		4/6/18	1117	3						X		16
MW126-040618		GW		4/6/18	0937	3						X		17
MW101-040618		GW		4/6/18	1123	3						X		18
MW111-040618		GW		4/6/18	1157	3						X		19
MW902-040618	↓	GW		4/6/18	1210	3						X		20

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier __ _____

Tracking # 4196 3255 8846

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 2°C Bottles Received: 100+1TB

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 4/7/18 Time: 0845

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N

Chain of Custody Page 2 of 3

ESC LABORATORIES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 984034

Table # F138

Acctnum: PESENVSWA

Template: T134175

Prelogin: P645197

TSR: 110 - Brian Ford

PB: 3-22-18CS

Shipped Via: FedEx Ground

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen Supply

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Chain of Custody Page 3 of 3

ESC LAB SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 984034
Table # F138
Acctnum: PESENVSWA
Template: T134175
Prelogin: P645197
TSR: 110 - Brian Ford
PB: 3-22-18 CS
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
SCL-MW105-040618	Grab	GW		4/6/18	1221	3							X		21
MW122-040618		GW		4/6/18	1250	3							X		22
R-MW6-040618		GW		4/6/18	1446	6			X				X		23
MW125-040618		GW		4/6/18	1509	6			X				X		24
TRIP BLANK	V	GW				1			X				X		25
		GW													
		GW													
		GW													
		GW													
		GW													

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS _X FedEx __ Courier __ _____

Tracking # 4146 3255 8846

Sample Receipt Checklist:
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.6 °C Bottles Received: 100 + 1 TB	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/7/18 Time: 0845	Hold: / Condition: NCF / OK

Andy Vann

ESC Lab Sciences
Non-Conformance Form

Login #:984034	Client:PESENVSWA	Date:04/07/18	Evaluated by: Matthew Lockhart

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete	X	Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Cou
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
X	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:Received 1 broken contianer for each id MW111-040618 and MW109-040618.

Client informed by:		Call		Email		Voice Mail		Date:	Time:
TSR Initials:bjf	Client Contact:								

Login Instructions:

Proceed with remaining sample containers.

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.46 J	J	1.05	25.0	1	04/09/2018 01:08	WG1095362
Acrylonitrile	U		0.873	5.00	1	04/09/2018 01:08	WG1095362
Benzene	U		0.0896	0.500	1	04/09/2018 01:08	WG1095362
Bromobenzene	U		0.133	0.500	1	04/09/2018 01:08	WG1095362
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 01:08	WG1095362
Bromochloromethane	U		0.145	0.500	1	04/09/2018 01:08	WG1095362
Bromoform	U		0.186	0.500	1	04/09/2018 01:08	WG1095362
Bromomethane	U		0.157	2.50	1	04/09/2018 01:08	WG1095362
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 01:08	WG1095362
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 01:08	WG1095362
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 01:08	WG1095362
Carbon disulfide	0.969		0.101	0.500	1	04/09/2018 01:08	WG1095362
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 01:08	WG1095362
Chlorobenzene	U		0.140	0.500	1	04/09/2018 01:08	WG1095362
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 01:08	WG1095362
Chloroethane	U		0.141	2.50	1	04/09/2018 01:08	WG1095362
Chloroform	U		0.0860	0.500	1	04/09/2018 01:08	WG1095362
Chloromethane	U		0.153	1.25	1	04/09/2018 01:08	WG1095362
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 01:08	WG1095362
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 01:08	WG1095362
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 01:08	WG1095362
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 01:08	WG1095362
Dibromomethane	U		0.117	0.500	1	04/09/2018 01:08	WG1095362
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 01:08	WG1095362
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 01:08	WG1095362
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 01:08	WG1095362
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 01:08	WG1095362
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 01:08	WG1095362
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 01:08	WG1095362
1,1-Dichloroethene	30.8		0.188	0.500	1	04/09/2018 01:08	WG1095362
cis-1,2-Dichloroethene	3380		18.7	100	200	04/12/2018 23:15	WG1095362
trans-1,2-Dichloroethene	10.0		0.152	0.500	1	04/09/2018 01:08	WG1095362
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 01:08	WG1095362
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 01:08	WG1095362
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 01:08	WG1095362
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 01:08	WG1095362
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 01:08	WG1095362
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 01:08	WG1095362
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 01:08	WG1095362
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 01:08	WG1095362
Ethylbenzene	U		0.158	0.500	1	04/09/2018 01:08	WG1095362
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 01:08	WG1095362
2-Hexanone	U		0.757	5.00	1	04/09/2018 01:08	WG1095362
n-Hexane	U		0.305	5.00	1	04/09/2018 01:08	WG1095362
Iodomethane	U		0.377	10.0	1	04/09/2018 01:08	WG1095362
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 01:08	WG1095362
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 01:08	WG1095362
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 01:08	WG1095362
Methylene Chloride	U		1.07	2.50	1	04/09/2018 01:08	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 01:08	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 01:08	WG1095362
Naphthalene	U		0.174	2.50	1	04/09/2018 01:08	WG1095362
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 01:08	WG1095362
Styrene	U		0.117	0.500	1	04/09/2018 01:08	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 01:08	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 01:08	WG1095362

JC 4/24/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/09/2018 01:08	WG1095362
Tetrachloroethene	3610			39.8	100	200	04/12/2018 23:15	WG1095362
Toluene	1.12			0.412	0.500	1	04/09/2018 01:08	WG1095362
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/09/2018 01:08	WG1095362
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/09/2018 01:08	WG1095362
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/09/2018 01:08	WG1095362
1,1,2-Trichloroethane	U			0.186	0.500	1	04/09/2018 01:08	WG1095362
Trichloroethene	1510			30.6	100	200	04/12/2018 23:15	WG1095362
Trichlorofluoromethane	U			0.130	2.50	1	04/09/2018 01:08	WG1095362
1,2,3-Trichloropropane	U			0.247	2.50	1	04/09/2018 01:08	WG1095362
1,2,4-Trimethylbenzene	0.142	J	J	0.123	0.500	1	04/09/2018 01:08	WG1095362
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/09/2018 01:08	WG1095362
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/09/2018 01:08	WG1095362
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/09/2018 01:08	WG1095362
Vinyl chloride	31.6			0.118	0.500	1	04/09/2018 01:08	WG1095362
Xylenes, Total	U			0.316	1.50	1	04/09/2018 01:08	WG1095362
(S) Toluene-d8	*104*				*80.0-120*		*04/12/2018 23:15*	WG1095362
(S) Toluene-d8	*96.6*				*80.0-120*		*04/09/2018 01:08*	WG1095362
(S) Dibromofluoromethane	*106*				*76.0-123*		*04/12/2018 23:15*	WG1095362
(S) Dibromofluoromethane	*95.5*				*76.0-123*		*04/09/2018 01:08*	WG1095362
(S) 4-Bromofluorobenzene	*107*				*80.0-120*		*04/12/2018 23:15*	WG1095362
(S) 4-Bromofluorobenzene	*102*				*80.0-120*		*04/09/2018 01:08*	WG1095362

JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/09/2018 01:27	WG1095362
Acrylonitrile	U		0.873	5.00	1	04/09/2018 01:27	WG1095362
Benzene	U		0.0896	0.500	1	04/09/2018 01:27	WG1095362
Bromobenzene	U		0.133	0.500	1	04/09/2018 01:27	WG1095362
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 01:27	WG1095362
Bromochloromethane	U		0.145	0.500	1	04/09/2018 01:27	WG1095362
Bromoform	U		0.186	0.500	1	04/09/2018 01:27	WG1095362
Bromomethane	U		0.157	2.50	1	04/09/2018 01:27	WG1095362
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 01:27	WG1095362
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 01:27	WG1095362
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 01:27	WG1095362
Carbon disulfide	1.17		0.101	0.500	1	04/09/2018 01:27	WG1095362
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 01:27	WG1095362
Chlorobenzene	U		0.140	0.500	1	04/09/2018 01:27	WG1095362
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 01:27	WG1095362
Chloroethane	U		0.141	2.50	1	04/09/2018 01:27	WG1095362
Chloroform	U		0.0860	0.500	1	04/09/2018 01:27	WG1095362
Chloromethane	U		0.153	1.25	1	04/09/2018 01:27	WG1095362
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 01:27	WG1095362
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 01:27	WG1095362
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 01:27	WG1095362
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 01:27	WG1095362
Dibromomethane	U		0.117	0.500	1	04/09/2018 01:27	WG1095362
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 01:27	WG1095362
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 01:27	WG1095362
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 01:27	WG1095362
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 01:27	WG1095362
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 01:27	WG1095362
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 01:27	WG1095362
1,1-Dichloroethene	50.3		0.188	0.500	1	04/09/2018 01:27	WG1095362
cis-1,2-Dichloroethene	3200		23.3	125	250	04/12/2018 23:35	WG1095362
trans-1,2-Dichloroethene	39.1		0.152	0.500	1	04/09/2018 01:27	WG1095362
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 01:27	WG1095362
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 01:27	WG1095362
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 01:27	WG1095362
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 01:27	WG1095362
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 01:27	WG1095362
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 01:27	WG1095362
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 01:27	WG1095362
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 01:27	WG1095362
Ethylbenzene	U		0.158	0.500	1	04/09/2018 01:27	WG1095362
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 01:27	WG1095362
2-Hexanone	U		0.757	5.00	1	04/09/2018 01:27	WG1095362
n-Hexane	U		0.305	5.00	1	04/09/2018 01:27	WG1095362
Iodomethane	U		0.377	10.0	1	04/09/2018 01:27	WG1095362
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 01:27	WG1095362
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 01:27	WG1095362
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 01:27	WG1095362
Methylene Chloride	U		1.07	2.50	1	04/09/2018 01:27	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 01:27	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 01:27	WG1095362
Naphthalene	U		0.174	2.50	1	04/09/2018 01:27	WG1095362
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 01:27	WG1095362
Styrene	0.188	J	0.117	0.500	1	04/09/2018 01:27	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 01:27	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 01:27	WG1095362

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 01:27	WG1095362
Tetrachloroethene	6010		49.8	125	250	04/12/2018 23:35	WG1095362
Toluene	U		0.412	0.500	1	04/09/2018 01:27	WG1095362
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 01:27	WG1095362
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 01:27	WG1095362
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 01:27	WG1095362
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 01:27	WG1095362
Trichloroethene	4320		38.2	125	250	04/12/2018 23:35	WG1095362
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 01:27	WG1095362
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 01:27	WG1095362
1,2,4-Trimethylbenzene	0.289 J	J	0.123	0.500	1	04/09/2018 01:27	WG1095362
1,2,3-Trimethylbenzene	0.201 J	J	0.0739	0.500	1	04/09/2018 01:27	WG1095362
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 01:27	WG1095362
Vinyl acetate	U UJ	J0	0.645	5.00	1	04/09/2018 01:27	WG1095362
Vinyl chloride	631		29.5	125	250	04/12/2018 23:35	WG1095362
Xylenes, Total	0.384 J	J	0.316	1.50	1	04/09/2018 01:27	WG1095362
(S) Toluene-d8	*105*			*80.0-120*		*04/12/2018 23:35*	WG1095362
(S) Toluene-d8	*101*			*80.0-120*		*04/09/2018 01:27*	WG1095362
(S) Dibromofluoromethane	*92.8*			*76.0-123*		*04/09/2018 01:27*	WG1095362
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/12/2018 23:35*	WG1095362
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/09/2018 01:27*	WG1095362
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/12/2018 23:35*	WG1095362

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	8.17 J	J	1.05	25.0	1	04/09/2018 01:47	WG1095362
Acrylonitrile	U		0.873	5.00	1	04/09/2018 01:47	WG1095362
Benzene	0.276 J	J	0.0896	0.500	1	04/09/2018 01:47	WG1095362
Bromobenzene	U		0.133	0.500	1	04/09/2018 01:47	WG1095362
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 01:47	WG1095362
Bromochloromethane	U		0.145	0.500	1	04/09/2018 01:47	WG1095362
Bromoform	U		0.186	0.500	1	04/09/2018 01:47	WG1095362
Bromomethane	U		0.157	2.50	1	04/09/2018 01:47	WG1095362
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 01:47	WG1095362
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 01:47	WG1095362
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 01:47	WG1095362
Carbon disulfide	0.850		0.101	0.500	1	04/09/2018 01:47	WG1095362
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 01:47	WG1095362
Chlorobenzene	U		0.140	0.500	1	04/09/2018 01:47	WG1095362
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 01:47	WG1095362
Chloroethane	U		0.141	2.50	1	04/09/2018 01:47	WG1095362
Chloroform	U		0.0860	0.500	1	04/09/2018 01:47	WG1095362
Chloromethane	U		0.153	1.25	1	04/09/2018 01:47	WG1095362
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 01:47	WG1095362
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 01:47	WG1095362
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 01:47	WG1095362
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 01:47	WG1095362
Dibromomethane	U		0.117	0.500	1	04/09/2018 01:47	WG1095362
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 01:47	WG1095362
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 01:47	WG1095362
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 01:47	WG1095362
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 01:47	WG1095362
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 01:47	WG1095362
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 01:47	WG1095362
1,1-Dichloroethene	11.3		0.188	0.500	1	04/09/2018 01:47	WG1095362
cis-1,2-Dichloroethene	4160		93.3	500	1000	04/12/2018 23:55	WG1095362
trans-1,2-Dichloroethene	9.22		0.152	0.500	1	04/09/2018 01:47	WG1095362
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 01:47	WG1095362
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 01:47	WG1095362
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 01:47	WG1095362
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 01:47	WG1095362
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 01:47	WG1095362
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 01:47	WG1095362
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 01:47	WG1095362
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 01:47	WG1095362
Ethylbenzene	0.206 J	J	0.158	0.500	1	04/09/2018 01:47	WG1095362
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 01:47	WG1095362
2-Hexanone	U		0.757	5.00	1	04/09/2018 01:47	WG1095362
n-Hexane	U		0.305	5.00	1	04/09/2018 01:47	WG1095362
Iodomethane	U		0.377	10.0	1	04/09/2018 01:47	WG1095362
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 01:47	WG1095362
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 01:47	WG1095362
2-Butanone (MEK)	2.06 J	J	1.28	5.00	1	04/09/2018 01:47	WG1095362
Methylene Chloride	U		1.07	2.50	1	04/09/2018 01:47	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 01:47	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 01:47	WG1095362
Naphthalene	0.580 J	J	0.174	2.50	1	04/09/2018 01:47	WG1095362
n-Propylbenzene	0.164 J	J	0.162	0.500	1	04/09/2018 01:47	WG1095362
Styrene	U		0.117	0.500	1	04/09/2018 01:47	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 01:47	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 01:47	WG1095362

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 01:47	WG1095362
Tetrachloroethene	27400		199	500	1000	04/12/2018 23:55	WG1095362
Toluene	2.77		0.412	0.500	1	04/09/2018 01:47	WG1095362
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 01:47	WG1095362
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 01:47	WG1095362
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 01:47	WG1095362
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 01:47	WG1095362
Trichloroethene	1160		153	500	1000	04/12/2018 23:55	WG1095362
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 01:47	WG1095362
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 01:47	WG1095362
1,2,4-Trimethylbenzene	1.28		0.123	0.500	1	04/09/2018 01:47	WG1095362
1,2,3-Trimethylbenzene	0.712		0.0739	0.500	1	04/09/2018 01:47	WG1095362
1,3,5-Trimethylbenzene	0.376	J	J	0.124	0.500	1	04/09/2018 01:47	WG1095362
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/09/2018 01:47	WG1095362
Vinyl chloride	169			0.118	0.500	1	04/09/2018 01:47	WG1095362
Xylenes, Total	1.54			0.316	1.50	1	04/09/2018 01:47	WG1095362
(S) Toluene-d8	*104*				*80.0-120*		*04/12/2018 23:55*	WG1095362
(S) Toluene-d8	*89.2*				*80.0-120*		*04/09/2018 01:47*	WG1095362
(S) Dibromofluoromethane	*106*				*76.0-123*		*04/12/2018 23:55*	WG1095362
(S) Dibromofluoromethane	*93.8*				*76.0-123*		*04/09/2018 01:47*	WG1095362
(S) 4-Bromofluorobenzene	*101*				*80.0-120*		*04/09/2018 01:47*	WG1095362
(S) 4-Bromofluorobenzene	*105*				*80.0-120*		*04/12/2018 23:55*	WG1095362

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		1.05	25.0	1	04/09/2018 02:06	WG1095362	
Acrylonitrile	U		0.873	5.00	1	04/09/2018 02:06	WG1095362	
Benzene	0.202	J	0.0896	0.500	1	04/09/2018 02:06	WG1095362	
Bromobenzene	U		0.133	0.500	1	04/09/2018 02:06	WG1095362	
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 02:06	WG1095362	
Bromochloromethane	U		0.145	0.500	1	04/09/2018 02:06	WG1095362	
Bromoform	U		0.186	0.500	1	04/09/2018 02:06	WG1095362	
Bromomethane	U		0.157	2.50	1	04/09/2018 02:06	WG1095362	
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 02:06	WG1095362	
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 02:06	WG1095362	
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 02:06	WG1095362	
Carbon disulfide	0.143	J	0.101	0.500	1	04/09/2018 02:06	WG1095362	
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 02:06	WG1095362	
Chlorobenzene	U		0.140	0.500	1	04/09/2018 02:06	WG1095362	
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 02:06	WG1095362	
Chloroethane	4.93		0.141	2.50	1	04/09/2018 02:06	WG1095362	
Chloroform	U		0.0860	0.500	1	04/09/2018 02:06	WG1095362	
Chloromethane	U		0.153	1.25	1	04/09/2018 02:06	WG1095362	
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 02:06	WG1095362	
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 02:06	WG1095362	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 02:06	WG1095362	
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 02:06	WG1095362	
Dibromomethane	U		0.117	0.500	1	04/09/2018 02:06	WG1095362	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 02:06	WG1095362	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 02:06	WG1095362	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 02:06	WG1095362	
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 02:06	WG1095362	
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 02:06	WG1095362	
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 02:06	WG1095362	
1,1-Dichloroethene	19.6		0.188	0.500	1	04/09/2018 02:06	WG1095362	
cis-1,2-Dichloroethene	18800		23.3	125	250	04/13/2018 00:15	WG1095362	
trans-1,2-Dichloroethene	14.5		0.152	0.500	1	04/09/2018 02:06	WG1095362	
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 02:06	WG1095362	
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 02:06	WG1095362	
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 02:06	WG1095362	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 02:06	WG1095362	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 02:06	WG1095362	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 02:06	WG1095362	
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 02:06	WG1095362	
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 02:06	WG1095362	
Ethylbenzene	U		0.158	0.500	1	04/09/2018 02:06	WG1095362	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 02:06	WG1095362	
2-Hexanone	U		0.757	5.00	1	04/09/2018 02:06	WG1095362	
n-Hexane	U		0.305	5.00	1	04/09/2018 02:06	WG1095362	JC 4/24/18
Iodomethane	U		0.377	10.0	1	04/09/2018 02:06	WG1095362	
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 02:06	WG1095362	
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 02:06	WG1095362	
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 02:06	WG1095362	
Methylene Chloride	U		1.07	2.50	1	04/09/2018 02:06	WG1095362	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 02:06	WG1095362	
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 02:06	WG1095362	
Naphthalene	0.235	J	0.174	2.50	1	04/09/2018 02:06	WG1095362	
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 02:06	WG1095362	
Styrene	U		0.117	0.500	1	04/09/2018 02:06	WG1095362	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 02:06	WG1095362	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 02:06	WG1095362	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/09/2018 02:06	WG1095362
Tetrachloroethene	9250			49.8	125	250	04/13/2018 00:15	WG1095362
Toluene	0.749			0.412	0.500	1	04/09/2018 02:06	WG1095362
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/09/2018 02:06	WG1095362
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/09/2018 02:06	WG1095362
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/09/2018 02:06	WG1095362
1,1,2-Trichloroethane	U			0.186	0.500	1	04/09/2018 02:06	WG1095362
Trichloroethene	7460			38.2	125	250	04/13/2018 00:15	WG1095362
Trichlorofluoromethane	U			0.130	2.50	1	04/09/2018 02:06	WG1095362
1,2,3-Trichloropropane	U			0.247	2.50	1	04/09/2018 02:06	WG1095362
1,2,4-Trimethylbenzene	0.490	J	J	0.123	0.500	1	04/09/2018 02:06	WG1095362
1,2,3-Trimethylbenzene	0.289	J	J	0.0739	0.500	1	04/09/2018 02:06	WG1095362
1,3,5-Trimethylbenzene	0.138	J	J	0.124	0.500	1	04/09/2018 02:06	WG1095362
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/09/2018 02:06	WG1095362
Vinyl chloride	2020			29.5	125	250	04/13/2018 00:15	WG1095362
Xylenes, Total	0.361	J	J	0.316	1.50	1	04/09/2018 02:06	WG1095362
(S) Toluene-d8	*104*				*80.0-120*		*04/13/2018 00:15*	WG1095362
(S) Toluene-d8	*95.8*				*80.0-120*		*04/09/2018 02:06*	WG1095362
(S) Dibromofluoromethane	*105*				*76.0-123*		*04/13/2018 00:15*	WG1095362
(S) Dibromofluoromethane	*91.7*				*76.0-123*		*04/09/2018 02:06*	WG1095362
(S) 4-Bromofluorobenzene	*106*				*80.0-120*		*04/09/2018 02:06*	WG1095362
(S) 4-Bromofluorobenzene	*105*				*80.0-120*		*04/13/2018 00:15*	WG1095362

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	33.7 J	J	31.6	100	1	04/11/2018 03:45	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 03:45*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	U		1.05	25.0	1	04/09/2018 02:25	WG1095362	
Acrylonitrile	U		0.873	5.00	1	04/09/2018 02:25	WG1095362	
Benzene	U		0.0896	0.500	1	04/09/2018 02:25	WG1095362	
Bromobenzene	U		0.133	0.500	1	04/09/2018 02:25	WG1095362	
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 02:25	WG1095362	
Bromochloromethane	U		0.145	0.500	1	04/09/2018 02:25	WG1095362	
Bromoform	U		0.186	0.500	1	04/09/2018 02:25	WG1095362	
Bromomethane	U		0.157	2.50	1	04/09/2018 02:25	WG1095362	
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 02:25	WG1095362	
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 02:25	WG1095362	
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 02:25	WG1095362	
Carbon disulfide	U		0.101	0.500	1	04/09/2018 02:25	WG1095362	
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 02:25	WG1095362	
Chlorobenzene	U		0.140	0.500	1	04/09/2018 02:25	WG1095362	
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 02:25	WG1095362	
Chloroethane	U		0.141	2.50	1	04/09/2018 02:25	WG1095362	
Chloroform	U		0.0860	0.500	1	04/09/2018 02:25	WG1095362	
Chloromethane	U		0.153	1.25	1	04/09/2018 02:25	WG1095362	
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 02:25	WG1095362	
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 02:25	WG1095362	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 02:25	WG1095362	
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 02:25	WG1095362	
Dibromomethane	U		0.117	0.500	1	04/09/2018 02:25	WG1095362	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 02:25	WG1095362	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 02:25	WG1095362	
1,4-Dichlorobenzene	0.144 J	J	0.121	0.500	1	04/09/2018 02:25	WG1095362	
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 02:25	WG1095362	
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 02:25	WG1095362	
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 02:25	WG1095362	
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2018 02:25	WG1095362	
cis-1,2-Dichloroethene	1.35		0.0933	0.500	1	04/13/2018 00:35	WG1095362	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2018 02:25	WG1095362	
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 02:25	WG1095362	JC 4/24/18
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 02:25	WG1095362	
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 02:25	WG1095362	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 02:25	WG1095362	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 02:25	WG1095362	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 02:25	WG1095362	
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 02:25	WG1095362	
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 02:25	WG1095362	
Ethylbenzene	U		0.158	0.500	1	04/09/2018 02:25	WG1095362	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 02:25	WG1095362	
2-Hexanone	U		0.757	5.00	1	04/09/2018 02:25	WG1095362	
n-Hexane	U		0.305	5.00	1	04/09/2018 02:25	WG1095362	
Iodomethane	U		0.377	10.0	1	04/09/2018 02:25	WG1095362	
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 02:25	WG1095362	
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 02:25	WG1095362	
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 02:25	WG1095362	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/09/2018 02:25	WG1095362
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 02:25	WG1095362
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 02:25	WG1095362
Naphthalene	U		0.174	2.50	1	04/09/2018 02:25	WG1095362
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 02:25	WG1095362
Styrene	U		0.117	0.500	1	04/09/2018 02:25	WG1095362
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 02:25	WG1095362
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 02:25	WG1095362
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 02:25	WG1095362
Tetrachloroethene	16.4		0.199	0.500	1	04/13/2018 00:35	WG1095362
Toluene	U		0.412	0.500	1	04/09/2018 02:25	WG1095362
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 02:25	WG1095362
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 02:25	WG1095362
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 02:25	WG1095362
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 02:25	WG1095362
Trichloroethene	0.972		0.153	0.500	1	04/13/2018 00:35	WG1095362
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 02:25	WG1095362
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 02:25	WG1095362
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 02:25	WG1095362
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 02:25	WG1095362
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 02:25	WG1095362
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/09/2018 02:25	WG1095362
Vinyl chloride	0.214	J J	0.118	0.500	1	04/13/2018 00:35	WG1095362
Xylenes, Total	U		0.316	1.50	1	04/09/2018 02:25	WG1095362
(S) Toluene-d8	*106*			*80.0-120*		*04/13/2018 00:35*	WG1095362
(S) Toluene-d8	*95.7*			*80.0-120*		*04/09/2018 02:25*	WG1095362
(S) Dibromofluoromethane	*93.5*			*76.0-123*		*04/09/2018 02:25*	WG1095362
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/13/2018 00:35*	WG1095362
(S) 4-Bromofluorobenzene	*97.7*			*80.0-120*		*04/09/2018 02:25*	WG1095362
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/13/2018 00:35*	WG1095362

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	41.2 J	J	31.6	100	1	04/11/2018 04:08	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 04:08*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	7.35 J	J	1.05	25.0	1	04/09/2018 02:44	WG1095362	
Acrylonitrile	U		0.873	5.00	1	04/09/2018 02:44	WG1095362	
Benzene	U		0.0896	0.500	1	04/09/2018 02:44	WG1095362	
Bromobenzene	U		0.133	0.500	1	04/09/2018 02:44	WG1095362	
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 02:44	WG1095362	
Bromochloromethane	U		0.145	0.500	1	04/09/2018 02:44	WG1095362	
Bromoform	U		0.186	0.500	1	04/09/2018 02:44	WG1095362	
Bromomethane	U		0.157	2.50	1	04/09/2018 02:44	WG1095362	
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 02:44	WG1095362	
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 02:44	WG1095362	
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 02:44	WG1095362	
Carbon disulfide	U		0.101	0.500	1	04/09/2018 02:44	WG1095362	
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 02:44	WG1095362	
Chlorobenzene	U		0.140	0.500	1	04/09/2018 02:44	WG1095362	
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 02:44	WG1095362	
Chloroethane	U		0.141	2.50	1	04/09/2018 02:44	WG1095362	
Chloroform	U		0.0860	0.500	1	04/09/2018 02:44	WG1095362	
Chloromethane	U		0.153	1.25	1	04/09/2018 02:44	WG1095362	
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 02:44	WG1095362	
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 02:44	WG1095362	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 02:44	WG1095362	
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 02:44	WG1095362	
Dibromomethane	U		0.117	0.500	1	04/09/2018 02:44	WG1095362	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 02:44	WG1095362	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 02:44	WG1095362	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 02:44	WG1095362	
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 02:44	WG1095362	
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 02:44	WG1095362	
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 02:44	WG1095362	
1,1-Dichloroethene	1.10		0.188	0.500	1	04/09/2018 02:44	WG1095362	
cis-1,2-Dichloroethene	26.3		0.0933	0.500	1	04/09/2018 02:44	WG1095362	
trans-1,2-Dichloroethene	0.709		0.152	0.500	1	04/09/2018 02:44	WG1095362	
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 02:44	WG1095362	
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 02:44	WG1095362	
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 02:44	WG1095362	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 02:44	WG1095362	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 02:44	WG1095362	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 02:44	WG1095362	
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 02:44	WG1095362	
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 02:44	WG1095362	
Ethylbenzene	U		0.158	0.500	1	04/09/2018 02:44	WG1095362	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 02:44	WG1095362	
2-Hexanone	U		0.757	5.00	1	04/09/2018 02:44	WG1095362	
n-Hexane	U		0.305	5.00	1	04/09/2018 02:44	WG1095362	
Iodomethane	U		0.377	10.0	1	04/09/2018 02:44	WG1095362	JC 4/24/18
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 02:44	WG1095362	
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 02:44	WG1095362	
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 02:44	WG1095362	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier		MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Methylene Chloride	U			1.07	2.50	1	04/09/2018 02:44	WG1095362
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/09/2018 02:44	WG1095362
Methyl tert-butyl ether	U			0.102	0.500	1	04/09/2018 02:44	WG1095362
Naphthalene	U			0.174	2.50	1	04/09/2018 02:44	WG1095362
n-Propylbenzene	U			0.162	0.500	1	04/09/2018 02:44	WG1095362
Styrene	U			0.117	0.500	1	04/09/2018 02:44	WG1095362
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/09/2018 02:44	WG1095362
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/09/2018 02:44	WG1095362
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/09/2018 02:44	WG1095362
Tetrachloroethene	12.8			0.199	0.500	1	04/13/2018 00:55	WG1095362
Toluene	U			0.412	0.500	1	04/09/2018 02:44	WG1095362
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/09/2018 02:44	WG1095362
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/09/2018 02:44	WG1095362
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/09/2018 02:44	WG1095362
1,1,2-Trichloroethane	U			0.186	0.500	1	04/09/2018 02:44	WG1095362
Trichloroethene	0.358	J	J	0.153	0.500	1	04/13/2018 00:55	WG1095362
Trichlorofluoromethane	U			0.130	2.50	1	04/09/2018 02:44	WG1095362
1,2,3-Trichloropropane	U			0.247	2.50	1	04/09/2018 02:44	WG1095362
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/09/2018 02:44	WG1095362
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/09/2018 02:44	WG1095362
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/09/2018 02:44	WG1095362
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/09/2018 02:44	WG1095362
Vinyl chloride	6.07			0.118	0.500	1	04/09/2018 02:44	WG1095362
Xylenes, Total	U			0.316	1.50	1	04/09/2018 02:44	WG1095362
(S) Toluene-d8	*95.3*				*80.0-120*		*04/09/2018 02:44*	WG1095362
(S) Toluene-d8	*101*				*80.0-120*		*04/13/2018 00:55*	WG1095362
(S) Dibromofluoromethane	*95.1*				*76.0-123*		*04/09/2018 02:44*	WG1095362
(S) Dibromofluoromethane	*107*				*76.0-123*		*04/13/2018 00:55*	WG1095362
(S) 4-Bromofluorobenzene	*104*				*80.0-120*		*04/13/2018 00:55*	WG1095362
(S) 4-Bromofluorobenzene	*97.3*				*80.0-120*		*04/09/2018 02:44*	WG1095362

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 04:31	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 04:31*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	2.35 U	B J	1.05	25.0	1	04/08/2018 20:49	WG1095442	
Acrylonitrile	U		0.873	5.00	1	04/08/2018 20:49	WG1095442	
Benzene	U		0.0896	0.500	1	04/08/2018 20:49	WG1095442	
Bromobenzene	U		0.133	0.500	1	04/08/2018 20:49	WG1095442	
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 20:49	WG1095442	
Bromochloromethane	U		0.145	0.500	1	04/08/2018 20:49	WG1095442	
Bromoform	U		0.186	0.500	1	04/08/2018 20:49	WG1095442	
Bromomethane	U		0.157	2.50	1	04/08/2018 20:49	WG1095442	
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 20:49	WG1095442	
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 20:49	WG1095442	
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 20:49	WG1095442	
Carbon disulfide	0.136 U	B J	0.101	0.500	1	04/08/2018 20:49	WG1095442	
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 20:49	WG1095442	
Chlorobenzene	U		0.140	0.500	1	04/08/2018 20:49	WG1095442	
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 20:49	WG1095442	
Chloroethane	U		0.141	2.50	1	04/08/2018 20:49	WG1095442	
Chloroform	U		0.0860	0.500	1	04/08/2018 20:49	WG1095442	
Chloromethane	U		0.153	1.25	1	04/08/2018 20:49	WG1095442	
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 20:49	WG1095442	
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 20:49	WG1095442	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 20:49	WG1095442	
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 20:49	WG1095442	
Dibromomethane	U		0.117	0.500	1	04/08/2018 20:49	WG1095442	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 20:49	WG1095442	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 20:49	WG1095442	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 20:49	WG1095442	
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 20:49	WG1095442	
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 20:49	WG1095442	
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 20:49	WG1095442	
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 20:49	WG1095442	
cis-1,2-Dichloroethene	0.375 J	J	0.0933	0.500	1	04/08/2018 20:49	WG1095442	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 20:49	WG1095442	
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 20:49	WG1095442	
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 20:49	WG1095442	
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 20:49	WG1095442	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 20:49	WG1095442	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 20:49	WG1095442	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 20:49	WG1095442	
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 20:49	WG1095442	
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 20:49	WG1095442	
Ethylbenzene	U		0.158	0.500	1	04/08/2018 20:49	WG1095442	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 20:49	WG1095442	
2-Hexanone	U		0.757	5.00	1	04/08/2018 20:49	WG1095442	
n-Hexane	U		0.305	5.00	1	04/08/2018 20:49	WG1095442	
Iodomethane	U		0.377	10.0	1	04/08/2018 20:49	WG1095442	
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 20:49	WG1095442	
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 20:49	WG1095442	
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 20:49	WG1095442	JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 20:49	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 20:49	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 20:49	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 20:49	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 20:49	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 20:49	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 20:49	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 20:49	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 20:49	WG1095442
Tetrachloroethene	20.3		0.199	0.500	1	04/08/2018 20:49	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 20:49	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 20:49	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 20:49	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 20:49	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 20:49	WG1095442
Trichloroethene	0.346 J	J	0.153	0.500	1	04/08/2018 20:49	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 20:49	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 20:49	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 20:49	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 20:49	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 20:49	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 20:49	WG1095442
Vinyl chloride	0.843		0.118	0.500	1	04/08/2018 20:49	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 20:49	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 20:49*	WG1095442
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/08/2018 20:49*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/08/2018 20:49*	WG1095442

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	207		31.6	100	1	04/11/2018 04:54	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 04:54*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.25 U	B J	1.05	25.0	1	04/08/2018 21:09	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 21:09	WG1095442
Benzene	0.638		0.0896	0.500	1	04/08/2018 21:09	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 21:09	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 21:09	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 21:09	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 21:09	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 21:09	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 21:09	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 21:09	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 21:09	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 21:09	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 21:09	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 21:09	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 21:09	WG1095442
Chloroethane	1.09 J	J	0.141	2.50	1	04/08/2018 21:09	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 21:09	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 21:09	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 21:09	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 21:09	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 21:09	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 21:09	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 21:09	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 21:09	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 21:09	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 21:09	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 21:09	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 21:09	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 21:09	WG1095442
1,1-Dichloroethene	0.371 J	J	0.188	0.500	1	04/08/2018 21:09	WG1095442
cis-1,2-Dichloroethene	222		0.933	5.00	10	04/10/2018 01:54	WG1095442
trans-1,2-Dichloroethene	1.00		0.152	0.500	1	04/08/2018 21:09	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 21:09	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 21:09	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 21:09	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 21:09	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 21:09	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 21:09	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 21:09	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 21:09	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 21:09	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 21:09	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 21:09	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 21:09	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 21:09	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 21:09	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 21:09	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 21:09	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 21:09	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 21:09	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 21:09	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 21:09	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 21:09	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 21:09	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 21:09	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 21:09	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 21:09	WG1095442
Tetrachloroethene	267		1.99	5.00	10	04/10/2018 01:54	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 21:09	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 21:09	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 21:09	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 21:09	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 21:09	WG1095442
Trichloroethene	70.5		0.153	0.500	1	04/08/2018 21:09	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 21:09	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 21:09	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 21:09	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 21:09	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 21:09	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 21:09	WG1095442
Vinyl chloride	17.6		0.118	0.500	1	04/08/2018 21:09	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 21:09	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 21:09*	WG1095442
(S) Toluene-d8	*98.1*			*80.0-120*		*04/10/2018 01:54*	WG1095442
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/08/2018 21:09*	WG1095442
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 01:54*	WG1095442
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/10/2018 01:54*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/08/2018 21:09*	WG1095442

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	32.9 J	J	31.6	100	1	04/11/2018 05:18	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 05:18*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/08/2018 21:29	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 21:29	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 21:29	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 21:29	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 21:29	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 21:29	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 21:29	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 21:29	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 21:29	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 21:29	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 21:29	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 21:29	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 21:29	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 21:29	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 21:29	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 21:29	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 21:29	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 21:29	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 21:29	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 21:29	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 21:29	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 21:29	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 21:29	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 21:29	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 21:29	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 21:29	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 21:29	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 21:29	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 21:29	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 21:29	WG1095442
cis-1,2-Dichloroethene	0.246 J	J	0.0933	0.500	1	04/10/2018 02:13	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 21:29	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 21:29	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 21:29	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 21:29	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 21:29	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 21:29	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 21:29	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 21:29	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 21:29	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 21:29	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 21:29	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 21:29	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 21:29	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 21:29	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 21:29	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 21:29	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 21:29	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 21:29	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 21:29	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 21:29	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 21:29	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 21:29	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 21:29	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 21:29	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 21:29	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 21:29	WG1095442
Tetrachloroethene	1.58		0.199	0.500	1	04/10/2018 02:13	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 21:29	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 21:29	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 21:29	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 21:29	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 21:29	WG1095442
Trichloroethene	U		0.153	0.500	1	04/08/2018 21:29	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 21:29	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 21:29	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 21:29	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 21:29	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 21:29	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 21:29	WG1095442
Vinyl chloride	0.210 J	J	0.118	0.500	1	04/08/2018 21:29	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 21:29	WG1095442
(S) Toluene-d8	*102*			*80.0-120*		*04/08/2018 21:29*	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/10/2018 02:13*	WG1095442
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/10/2018 02:13*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/08/2018 21:29*	WG1095442
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/10/2018 02:13*	WG1095442
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/08/2018 21:29*	WG1095442

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 05:41	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 05:41*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.74 U	B J	1.05	25.0	1	04/08/2018 21:49	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 21:49	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 21:49	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 21:49	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 21:49	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 21:49	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 21:49	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 21:49	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 21:49	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 21:49	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 21:49	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 21:49	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 21:49	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 21:49	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 21:49	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 21:49	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 21:49	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 21:49	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 21:49	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 21:49	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 21:49	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 21:49	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 21:49	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 21:49	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 21:49	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 21:49	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 21:49	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 21:49	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 21:49	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 21:49	WG1095442
cis-1,2-Dichloroethene	0.959		0.0933	0.500	1	04/08/2018 21:49	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 21:49	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 21:49	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 21:49	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 21:49	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 21:49	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 21:49	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 21:49	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 21:49	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 21:49	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 21:49	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 21:49	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 21:49	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 21:49	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 21:49	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 21:49	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 21:49	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 21:49	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 21:49	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 21:49	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 21:49	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 21:49	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 21:49	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 21:49	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 21:49	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 21:49	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 21:49	WG1095442
Tetrachloroethene	2.93		0.199	0.500	1	04/08/2018 21:49	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 21:49	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 21:49	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 21:49	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 21:49	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 21:49	WG1095442
Trichloroethene	U		0.153	0.500	1	04/08/2018 21:49	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 21:49	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 21:49	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 21:49	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 21:49	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 21:49	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 21:49	WG1095442
Vinyl chloride	6.45		0.118	0.500	1	04/08/2018 21:49	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 21:49	WG1095442
(S) Toluene-d8	*106*			*80.0-120*		*04/08/2018 21:49*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/08/2018 21:49*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/08/2018 21:49*	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.04 U	B J	1.05	25.0	1	04/08/2018 22:09	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 22:09	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 22:09	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 22:09	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 22:09	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 22:09	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 22:09	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 22:09	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 22:09	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 22:09	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 22:09	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 22:09	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 22:09	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 22:09	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 22:09	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 22:09	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 22:09	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 22:09	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 22:09	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 22:09	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 22:09	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 22:09	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 22:09	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 22:09	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 22:09	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 22:09	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 22:09	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 22:09	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 22:09	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 22:09	WG1095442
cis-1,2-Dichloroethene	18.3		0.0933	0.500	1	04/08/2018 22:09	WG1095442
trans-1,2-Dichloroethene	0.203 J	J	0.152	0.500	1	04/08/2018 22:09	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 22:09	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 22:09	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 22:09	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 22:09	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 22:09	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 22:09	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 22:09	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 22:09	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 22:09	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 22:09	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 22:09	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 22:09	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 22:09	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 22:09	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 22:09	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 22:09	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/08/2018 22:09	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 22:09	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 22:09	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 22:09	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 22:09	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 22:09	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 22:09	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 22:09	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 22:09	WG1095442
Tetrachloroethene	2.14		0.199	0.500	1	04/08/2018 22:09	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 22:09	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 22:09	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 22:09	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 22:09	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 22:09	WG1095442
Trichloroethene	3.02		0.153	0.500	1	04/08/2018 22:09	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 22:09	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 22:09	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 22:09	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 22:09	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 22:09	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 22:09	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/08/2018 22:09	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 22:09	WG1095442
(S) Toluene-d8	*103*			*80.0-120*		*04/08/2018 22:09*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/08/2018 22:09*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/08/2018 22:09*	WG1095442

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	156		31.6	100	1	04/11/2018 06:05	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 06:05*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.89 U	B J	1.05	25.0	1	04/08/2018 22:29	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 22:29	WG1095442
Benzene	0.251 J	J	0.0896	0.500	1	04/08/2018 22:29	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 22:29	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 22:29	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 22:29	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 22:29	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 22:29	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 22:29	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 22:29	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 22:29	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 22:29	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 22:29	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 22:29	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 22:29	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 22:29	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 22:29	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 22:29	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 22:29	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 22:29	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 22:29	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 22:29	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 22:29	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 22:29	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 22:29	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 22:29	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 22:29	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 22:29	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 22:29	WG1095442
1,1-Dichloroethene	0.822		0.188	0.500	1	04/08/2018 22:29	WG1095442
cis-1,2-Dichloroethene	104		0.0933	0.500	1	04/08/2018 22:29	WG1095442
trans-1,2-Dichloroethene	0.750		0.152	0.500	1	04/08/2018 22:29	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 22:29	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 22:29	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 22:29	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 22:29	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 22:29	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 22:29	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 22:29	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 22:29	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 22:29	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 22:29	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 22:29	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 22:29	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 22:29	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 22:29	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 22:29	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 22:29	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 22:29	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 22:29	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 22:29	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 22:29	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 22:29	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 22:29	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 22:29	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 22:29	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 22:29	WG1095442
Tetrachloroethene	229		0.995	2.50	5	04/10/2018 02:33	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 22:29	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 22:29	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 22:29	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 22:29	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 22:29	WG1095442
Trichloroethene	26.3		0.153	0.500	1	04/08/2018 22:29	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 22:29	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 22:29	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 22:29	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 22:29	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 22:29	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 22:29	WG1095442
Vinyl chloride	1.45		0.118	0.500	1	04/08/2018 22:29	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 22:29	WG1095442
(S) Toluene-d8	*96.2*			*80.0-120*		*04/10/2018 02:33*	WG1095442
(S) Toluene-d8	*107*			*80.0-120*		*04/08/2018 22:29*	WG1095442
(S) Dibromofluoromethane	*99.0*			*76.0-123*		*04/10/2018 02:33*	WG1095442
(S) Dibromofluoromethane	*111*			*76.0-123*		*04/08/2018 22:29*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/08/2018 22:29*	WG1095442
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/10/2018 02:33*	WG1095442

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 06:29	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-122*		*04/11/2018 06:29*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.37 U	B J	1.05	25.0	1	04/08/2018 22:49	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 22:49	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 22:49	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 22:49	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 22:49	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 22:49	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 22:49	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 22:49	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 22:49	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 22:49	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 22:49	WG1095442
Carbon disulfide	0.144 U	B J	0.101	0.500	1	04/08/2018 22:49	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 22:49	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 22:49	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 22:49	WG1095442
Chloroethane	2.81		0.141	2.50	1	04/08/2018 22:49	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 22:49	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 22:49	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 22:49	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 22:49	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 22:49	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 22:49	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 22:49	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 22:49	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 22:49	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 22:49	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 22:49	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 22:49	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 22:49	WG1095442
1,1-Dichloroethene	0.198 J	J	0.188	0.500	1	04/08/2018 22:49	WG1095442
cis-1,2-Dichloroethene	8.89		0.0933	0.500	1	04/08/2018 22:49	WG1095442
trans-1,2-Dichloroethene	0.300 J	J	0.152	0.500	1	04/08/2018 22:49	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 22:49	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 22:49	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 22:49	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 22:49	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 22:49	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 22:49	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 22:49	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 22:49	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 22:49	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 22:49	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 22:49	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 22:49	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 22:49	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 22:49	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 22:49	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 22:49	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 22:49	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 22:49	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 22:49	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 22:49	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 22:49	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 22:49	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 22:49	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 22:49	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 22:49	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 02:53	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 22:49	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 22:49	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 22:49	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 22:49	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 22:49	WG1095442
Trichloroethene	0.563		0.153	0.500	1	04/08/2018 22:49	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 22:49	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 22:49	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 22:49	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 22:49	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 22:49	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 22:49	WG1095442
Vinyl chloride	11.1		0.118	0.500	1	04/08/2018 22:49	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 22:49	WG1095442
(S) Toluene-d8	*100*			*80.0-120*		*04/10/2018 02:53*	WG1095442
(S) Toluene-d8	*105*			*80.0-120*		*04/08/2018 22:49*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/08/2018 22:49*	WG1095442
(S) Dibromofluoromethane	*98.8*			*76.0-123*		*04/10/2018 02:53*	WG1095442
(S) 4-Bromofluorobenzene	*113*			*80.0-120*		*04/08/2018 22:49*	WG1095442
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/10/2018 02:53*	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.16 U	B J	1.05	25.0	1	04/08/2018 23:09	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 23:09	WG1095442
Benzene	4.00		0.0896	0.500	1	04/08/2018 23:09	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 23:09	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 23:09	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 23:09	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 23:09	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 23:09	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 23:09	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 23:09	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 23:09	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 23:09	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 23:09	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 23:09	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 23:09	WG1095442
Chloroethane	0.595 J	J	0.141	2.50	1	04/08/2018 23:09	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 23:09	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 23:09	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 23:09	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 23:09	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 23:09	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 23:09	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 23:09	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 23:09	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 23:09	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 23:09	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 23:09	WG1095442
1,1-Dichloroethane	0.285 J	J	0.114	0.500	1	04/08/2018 23:09	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 23:09	WG1095442
1,1-Dichloroethene	11.9		0.188	0.500	1	04/08/2018 23:09	WG1095442
cis-1,2-Dichloroethene	1030		4.66	25.0	50	04/10/2018 03:13	WG1095442
trans-1,2-Dichloroethene	7.13		0.152	0.500	1	04/08/2018 23:09	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 23:09	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 23:09	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 23:09	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 23:09	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 23:09	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 23:09	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 23:09	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 23:09	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 23:09	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 23:09	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 23:09	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 23:09	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 23:09	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 23:09	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 23:09	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 23:09	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/08/2018 23:09	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 23:09	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 23:09	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 23:09	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 23:09	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 23:09	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 23:09	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 23:09	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 23:09	WG1095442
Tetrachloroethene	1970		9.95	25.0	50	04/10/2018 03:13	WG1095442
Toluene	0.599		0.412	0.500	1	04/08/2018 23:09	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 23:09	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 23:09	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 23:09	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 23:09	WG1095442
Trichloroethene	284		7.65	25.0	50	04/10/2018 03:13	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 23:09	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 23:09	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 23:09	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 23:09	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 23:09	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 23:09	WG1095442
Vinyl chloride	217		5.90	25.0	50	04/10/2018 03:13	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 23:09	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 23:09*	WG1095442
(S) Toluene-d8	*98.4*			*80.0-120*		*04/10/2018 03:13*	WG1095442
(S) Dibromofluoromethane	*107*			*76.0-123*		*04/08/2018 23:09*	WG1095442
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/10/2018 03:13*	WG1095442
(S) 4-Bromofluorobenzene	*111*			*80.0-120*		*04/08/2018 23:09*	WG1095442
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 03:13*	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/08/2018 23:29	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 23:29	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 23:29	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 23:29	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 23:29	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 23:29	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 23:29	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 23:29	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 23:29	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 23:29	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 23:29	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/08/2018 23:29	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 23:29	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 23:29	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 23:29	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 23:29	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 23:29	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 23:29	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 23:29	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 23:29	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 23:29	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 23:29	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 23:29	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 23:29	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 23:29	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 23:29	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 23:29	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 23:29	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 23:29	WG1095442
1,1-Dichloroethene	1.21		0.188	0.500	1	04/08/2018 23:29	WG1095442
cis-1,2-Dichloroethene	629		0.933	5.00	10	04/10/2018 03:32	WG1095442
trans-1,2-Dichloroethene	3.34		0.152	0.500	1	04/08/2018 23:29	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 23:29	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 23:29	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 23:29	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 23:29	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 23:29	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 23:29	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 23:29	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 23:29	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 23:29	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 23:29	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 23:29	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 23:29	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 23:29	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 23:29	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 23:29	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 23:29	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/08/2018 23:29	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 23:29	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 23:29	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 23:29	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 23:29	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 23:29	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 23:29	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 23:29	WG1095442

JC 4/24/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 23:29	WG1095442
Tetrachloroethene	U		1.99	5.00	10	04/10/2018 03:32	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 23:29	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 23:29	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 23:29	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 23:29	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 23:29	WG1095442
Trichloroethene	210		1.53	5.00	10	04/10/2018 03:32	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 23:29	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 23:29	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 23:29	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 23:29	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 23:29	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 23:29	WG1095442
Vinyl chloride	42.2		0.118	0.500	1	04/08/2018 23:29	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 23:29	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 23:29*	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/10/2018 03:32*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/08/2018 23:29*	WG1095442
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/10/2018 03:32*	WG1095442
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/08/2018 23:29*	WG1095442
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 03:32*	WG1095442

Sample Narrative:

L984034-15 WG1095442: PCE not reportable at 1x due to possible carryover.

L984034-15 WG1095442: PCE cannot be reported at a lower dilution due to high levels of target analytes.

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.25 U	B J	1.05	25.0	1	04/08/2018 23:49	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 23:49	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 23:49	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 23:49	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 23:49	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 23:49	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 23:49	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 23:49	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 23:49	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 23:49	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 23:49	WG1095442
Carbon disulfide	0.132 U	B J	0.101	0.500	1	04/08/2018 23:49	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 23:49	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 23:49	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 23:49	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 23:49	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 23:49	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 23:49	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 23:49	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 23:49	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 23:49	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 23:49	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 23:49	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 23:49	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 23:49	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 23:49	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 23:49	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 23:49	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 23:49	WG1095442
1,1-Dichloroethene	0.396 J	J	0.188	0.500	1	04/08/2018 23:49	WG1095442
cis-1,2-Dichloroethene	32.4		0.0933	0.500	1	04/10/2018 03:52	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 23:49	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 23:49	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 23:49	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 23:49	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 23:49	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 23:49	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 23:49	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 23:49	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 23:49	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 23:49	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 23:49	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 23:49	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 23:49	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 23:49	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 23:49	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 23:49	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 23:49	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/08/2018 23:49	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 23:49	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 23:49	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 23:49	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 23:49	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 23:49	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 23:49	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 23:49	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 23:49	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 03:52	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 23:49	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 23:49	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 23:49	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 23:49	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 23:49	WG1095442
Trichloroethene	1.81		0.153	0.500	1	04/10/2018 03:52	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 23:49	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 23:49	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 23:49	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 23:49	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 23:49	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 23:49	WG1095442
Vinyl chloride	22.4		0.118	0.500	1	04/08/2018 23:49	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 23:49	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/08/2018 23:49*	WG1095442
(S) Toluene-d8	*98.0*			*80.0-120*		*04/10/2018 03:52*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/08/2018 23:49*	WG1095442
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/10/2018 03:52*	WG1095442
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/08/2018 23:49*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/10/2018 03:52*	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.06 U	B J	1.05	25.0	1	04/09/2018 00:09	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 00:09	WG1095442
Benzene	U		0.0896	0.500	1	04/09/2018 00:09	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 00:09	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 00:09	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 00:09	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 00:09	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 00:09	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 00:09	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 00:09	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 00:09	WG1095442
Carbon disulfide	0.155 U	B J	0.101	0.500	1	04/09/2018 00:09	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 00:09	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 00:09	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 00:09	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 00:09	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 00:09	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 00:09	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 00:09	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 00:09	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 00:09	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 00:09	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 00:09	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 00:09	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 00:09	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 00:09	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 00:09	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 00:09	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 00:09	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2018 00:09	WG1095442
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 04:12	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2018 00:09	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 00:09	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 00:09	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 00:09	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 00:09	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 00:09	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 00:09	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 00:09	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 00:09	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 00:09	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 00:09	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 00:09	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 00:09	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 00:09	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 00:09	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 00:09	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 00:09	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/09/2018 00:09	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 00:09	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 00:09	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 00:09	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 00:09	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 00:09	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 00:09	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 00:09	WG1095442

JC 4/24/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 00:09	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 04:12	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 00:09	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 00:09	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 00:09	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 00:09	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 00:09	WG1095442
Trichloroethene	U		0.153	0.500	1	04/09/2018 00:09	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 00:09	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 00:09	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 00:09	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 00:09	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 00:09	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 00:09	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/09/2018 00:09	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 00:09	WG1095442
(S) Toluene-d8	*106*			*80.0-120*		*04/09/2018 00:09*	WG1095442
(S) Toluene-d8	*102*			*80.0-120*		*04/10/2018 04:12*	WG1095442
(S) Dibromofluoromethane	*99.0*			*76.0-123*		*04/10/2018 04:12*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/09/2018 00:09*	WG1095442
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/09/2018 00:09*	WG1095442
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/10/2018 04:12*	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/10/2018 04:32	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/10/2018 04:32	WG1095442
Benzene	10.6		0.0896	0.500	1	04/10/2018 04:32	WG1095442
Bromobenzene	U		0.133	0.500	1	04/10/2018 04:32	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/10/2018 04:32	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/10/2018 04:32	WG1095442
Bromoform	U		0.186	0.500	1	04/10/2018 04:32	WG1095442
Bromomethane	U		0.157	2.50	1	04/10/2018 04:32	WG1095442
n-Butylbenzene	8.28		0.143	0.500	1	04/10/2018 04:32	WG1095442
sec-Butylbenzene	10.1		0.134	0.500	1	04/10/2018 04:32	WG1095442
tert-Butylbenzene	0.248	J J	0.183	0.500	1	04/10/2018 04:32	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/10/2018 04:32	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 04:32	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/10/2018 04:32	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 04:32	WG1095442
Chloroethane	U		0.141	2.50	1	04/10/2018 04:32	WG1095442
Chloroform	U		0.0860	0.500	1	04/10/2018 04:32	WG1095442
Chloromethane	U		0.153	1.25	1	04/10/2018 04:32	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 04:32	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 04:32	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 04:32	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 04:32	WG1095442
Dibromomethane	U		0.117	0.500	1	04/10/2018 04:32	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 04:32	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 04:32	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 04:32	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 04:32	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 04:32	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 04:32	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 04:32	WG1095442
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 04:32	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 04:32	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 04:32	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 04:32	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 04:32	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 04:32	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 04:32	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 04:32	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 04:32	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 04:32	WG1095442
Ethylbenzene	11.7		0.158	0.500	1	04/10/2018 04:32	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 04:32	WG1095442
2-Hexanone	U		0.757	5.00	1	04/10/2018 04:32	WG1095442
n-Hexane	4.87	J J	0.305	5.00	1	04/10/2018 04:32	WG1095442
Iodomethane	U		0.377	10.0	1	04/10/2018 04:32	WG1095442
Isopropylbenzene	29.7		0.126	0.500	1	04/10/2018 04:32	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 04:32	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 04:32	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/10/2018 04:32	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 04:32	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 04:32	WG1095442
Naphthalene	6.70		0.174	2.50	1	04/10/2018 04:32	WG1095442
n-Propylbenzene	92.3		0.162	0.500	1	04/10/2018 04:32	WG1095442
Styrene	U		0.117	0.500	1	04/10/2018 04:32	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 04:32	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 04:32	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 04:32	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 04:32	WG1095442
Toluene	1.24		0.412	0.500	1	04/10/2018 04:32	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 04:32	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 04:32	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 04:32	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 04:32	WG1095442
Trichloroethene	U		0.153	0.500	1	04/10/2018 04:32	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 04:32	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 04:32	WG1095442
1,2,4-Trimethylbenzene	1.70		0.123	0.500	1	04/10/2018 04:32	WG1095442
1,2,3-Trimethylbenzene	3.51		0.0739	0.500	1	04/10/2018 04:32	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 04:32	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/10/2018 04:32	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/10/2018 04:32	WG1095442
Xylenes, Total	3.32		0.316	1.50	1	04/10/2018 04:32	WG1095442
(S) Toluene-d8	*91.3*			*80.0-120*		*04/10/2018 04:32*	WG1095442
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 04:32*	WG1095442
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 04:32*	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/09/2018 00:50	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 00:50	WG1095442
Benzene	U		0.0896	0.500	1	04/09/2018 00:50	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 00:50	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 00:50	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 00:50	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 00:50	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 00:50	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 00:50	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 00:50	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 00:50	WG1095442
Carbon disulfide	0.201	U B J	0.101	0.500	1	04/09/2018 00:50	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 00:50	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 00:50	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 00:50	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 00:50	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 00:50	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 00:50	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 00:50	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 00:50	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 00:50	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 00:50	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 00:50	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 00:50	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 00:50	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 00:50	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 00:50	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 00:50	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 00:50	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2018 00:50	WG1095442
cis-1,2-Dichloroethene	16.5		0.0933	0.500	1	04/09/2018 00:50	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2018 00:50	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 00:50	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 00:50	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 00:50	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 00:50	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 00:50	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 00:50	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 00:50	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 00:50	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 00:50	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 00:50	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 00:50	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 00:50	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 00:50	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 00:50	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 00:50	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 00:50	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/09/2018 00:50	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 00:50	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 00:50	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 00:50	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 00:50	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 00:50	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 00:50	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 00:50	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 00:50	WG1095442
Tetrachloroethene	0.618		0.199	0.500	1	04/09/2018 00:50	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 00:50	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 00:50	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 00:50	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 00:50	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 00:50	WG1095442
Trichloroethene	U		0.153	0.500	1	04/09/2018 00:50	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 00:50	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 00:50	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 00:50	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 00:50	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 00:50	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 00:50	WG1095442
Vinyl chloride	121		0.118	0.500	1	04/09/2018 00:50	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 00:50	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/09/2018 00:50*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/09/2018 00:50*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/09/2018 00:50*	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Acetone	1.11	U	B J	1.05	25.0	1	04/09/2018 01:10	WG1095442
Acrylonitrile	U			0.873	5.00	1	04/09/2018 01:10	WG1095442
Benzene	3.83			0.0896	0.500	1	04/09/2018 01:10	WG1095442
Bromobenzene	U			0.133	0.500	1	04/09/2018 01:10	WG1095442
Bromodichloromethane	U			0.0800	0.500	1	04/09/2018 01:10	WG1095442
Bromochloromethane	U			0.145	0.500	1	04/09/2018 01:10	WG1095442
Bromoform	U			0.186	0.500	1	04/09/2018 01:10	WG1095442
Bromomethane	U			0.157	2.50	1	04/09/2018 01:10	WG1095442
n-Butylbenzene	U			0.143	0.500	1	04/09/2018 01:10	WG1095442
sec-Butylbenzene	U			0.134	0.500	1	04/09/2018 01:10	WG1095442
tert-Butylbenzene	U			0.183	0.500	1	04/09/2018 01:10	WG1095442
Carbon disulfide	U			0.101	0.500	1	04/09/2018 01:10	WG1095442
Carbon tetrachloride	U			0.159	0.500	1	04/09/2018 01:10	WG1095442
Chlorobenzene	U			0.140	0.500	1	04/09/2018 01:10	WG1095442
Chlorodibromomethane	U			0.128	0.500	1	04/09/2018 01:10	WG1095442
Chloroethane	U			0.141	2.50	1	04/09/2018 01:10	WG1095442
Chloroform	U			0.0860	0.500	1	04/09/2018 01:10	WG1095442
Chloromethane	U			0.153	1.25	1	04/09/2018 01:10	WG1095442
2-Chlorotoluene	U			0.111	0.500	1	04/09/2018 01:10	WG1095442
4-Chlorotoluene	U			0.0972	0.500	1	04/09/2018 01:10	WG1095442
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/09/2018 01:10	WG1095442
1,2-Dibromoethane	U			0.193	0.500	1	04/09/2018 01:10	WG1095442
Dibromomethane	U			0.117	0.500	1	04/09/2018 01:10	WG1095442
1,2-Dichlorobenzene	U			0.101	0.500	1	04/09/2018 01:10	WG1095442
1,3-Dichlorobenzene	U			0.130	0.500	1	04/09/2018 01:10	WG1095442
1,4-Dichlorobenzene	U			0.121	0.500	1	04/09/2018 01:10	WG1095442
Dichlorodifluoromethane	U			0.127	2.50	1	04/09/2018 01:10	WG1095442
1,1-Dichloroethane	0.251	J	J	0.114	0.500	1	04/09/2018 01:10	WG1095442
1,2-Dichloroethane	U			0.108	0.500	1	04/09/2018 01:10	WG1095442
1,1-Dichloroethene	11.2			0.188	0.500	1	04/09/2018 01:10	WG1095442
cis-1,2-Dichloroethene	1020			4.66	25.0	50	04/10/2018 04:52	WG1095442
trans-1,2-Dichloroethene	7.91			0.152	0.500	1	04/09/2018 01:10	WG1095442
1,2-Dichloropropane	U			0.190	0.500	1	04/09/2018 01:10	WG1095442
1,1-Dichloropropene	U			0.128	0.500	1	04/09/2018 01:10	WG1095442
1,3-Dichloropropane	U			0.147	1.00	1	04/09/2018 01:10	WG1095442
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/09/2018 01:10	WG1095442
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/09/2018 01:10	WG1095442
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/09/2018 01:10	WG1095442
2,2-Dichloropropane	U			0.0929	0.500	1	04/09/2018 01:10	WG1095442
Di-isopropyl ether	U			0.0924	0.500	1	04/09/2018 01:10	WG1095442
Ethylbenzene	U			0.158	0.500	1	04/09/2018 01:10	WG1095442
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/09/2018 01:10	WG1095442
2-Hexanone	U			0.757	5.00	1	04/09/2018 01:10	WG1095442
n-Hexane	U			0.305	5.00	1	04/09/2018 01:10	WG1095442
Iodomethane	U			0.377	10.0	1	04/09/2018 01:10	WG1095442
Isopropylbenzene	U			0.126	0.500	1	04/09/2018 01:10	WG1095442
p-Isopropyltoluene	U			0.138	0.500	1	04/09/2018 01:10	WG1095442
2-Butanone (MEK)	U			1.28	5.00	1	04/09/2018 01:10	WG1095442
Methylene Chloride	U			1.07	2.50	1	04/09/2018 01:10	WG1095442
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/09/2018 01:10	WG1095442
Methyl tert-butyl ether	U			0.102	0.500	1	04/09/2018 01:10	WG1095442
Naphthalene	U			0.174	2.50	1	04/09/2018 01:10	WG1095442
n-Propylbenzene	U			0.162	0.500	1	04/09/2018 01:10	WG1095442
Styrene	U			0.117	0.500	1	04/09/2018 01:10	WG1095442
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/09/2018 01:10	WG1095442
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/09/2018 01:10	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 01:10	WG1095442
Tetrachloroethene	1980		9.95	25.0	50	04/10/2018 04:52	WG1095442
Toluene	0.597		0.412	0.500	1	04/09/2018 01:10	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 01:10	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 01:10	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 01:10	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 01:10	WG1095442
Trichloroethene	287		7.65	25.0	50	04/10/2018 04:52	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 01:10	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 01:10	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 01:10	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 01:10	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 01:10	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 01:10	WG1095442
Vinyl chloride	231		5.90	25.0	50	04/10/2018 04:52	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 01:10	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/09/2018 01:10*	WG1095442
(S) Toluene-d8	*108*			*80.0-120*		*04/10/2018 04:52*	WG1095442
(S) Dibromofluoromethane	*97.0*			*76.0-123*		*04/10/2018 04:52*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/09/2018 01:10*	WG1095442
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/10/2018 04:52*	WG1095442
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/09/2018 01:10*	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.5	250	10	04/09/2018 01:30	WG1095442
Acrylonitrile	U		8.73	50.0	10	04/09/2018 01:30	WG1095442
Benzene	181		0.896	5.00	10	04/09/2018 01:30	WG1095442
Bromobenzene	U		1.33	5.00	10	04/09/2018 01:30	WG1095442
Bromodichloromethane	U		0.800	5.00	10	04/09/2018 01:30	WG1095442
Bromochloromethane	U		1.45	5.00	10	04/09/2018 01:30	WG1095442
Bromoform	U		1.86	5.00	10	04/09/2018 01:30	WG1095442
Bromomethane	U		1.57	25.0	10	04/09/2018 01:30	WG1095442
n-Butylbenzene	U		1.43	5.00	10	04/09/2018 01:30	WG1095442
sec-Butylbenzene	2.31 J	J	1.34	5.00	10	04/09/2018 01:30	WG1095442
tert-Butylbenzene	U		1.83	5.00	10	04/09/2018 01:30	WG1095442
Carbon disulfide	U		1.01	5.00	10	04/09/2018 01:30	WG1095442
Carbon tetrachloride	U		1.59	5.00	10	04/09/2018 01:30	WG1095442
Chlorobenzene	U		1.40	5.00	10	04/09/2018 01:30	WG1095442
Chlorodibromomethane	U		1.28	5.00	10	04/09/2018 01:30	WG1095442
Chloroethane	U		1.41	25.0	10	04/09/2018 01:30	WG1095442
Chloroform	U		0.860	5.00	10	04/09/2018 01:30	WG1095442
Chloromethane	U		1.53	12.5	10	04/09/2018 01:30	WG1095442
2-Chlorotoluene	U		1.11	5.00	10	04/09/2018 01:30	WG1095442
4-Chlorotoluene	U		0.972	5.00	10	04/09/2018 01:30	WG1095442
1,2-Dibromo-3-Chloropropane	U		3.25	25.0	10	04/09/2018 01:30	WG1095442
1,2-Dibromoethane	U		1.93	5.00	10	04/09/2018 01:30	WG1095442
Dibromomethane	U		1.17	5.00	10	04/09/2018 01:30	WG1095442
1,2-Dichlorobenzene	U		1.01	5.00	10	04/09/2018 01:30	WG1095442
1,3-Dichlorobenzene	U		1.30	5.00	10	04/09/2018 01:30	WG1095442
1,4-Dichlorobenzene	U		1.21	5.00	10	04/09/2018 01:30	WG1095442
Dichlorodifluoromethane	U		1.27	25.0	10	04/09/2018 01:30	WG1095442
1,1-Dichloroethane	U		1.14	5.00	10	04/09/2018 01:30	WG1095442
1,2-Dichloroethane	U		1.08	5.00	10	04/09/2018 01:30	WG1095442
1,1-Dichloroethene	U		1.88	5.00	10	04/09/2018 01:30	WG1095442
cis-1,2-Dichloroethene	U		0.933	5.00	10	04/10/2018 05:12	WG1095442
trans-1,2-Dichloroethene	U		1.52	5.00	10	04/09/2018 01:30	WG1095442
1,2-Dichloropropane	U		1.90	5.00	10	04/09/2018 01:30	WG1095442
1,1-Dichloropropene	U		1.28	5.00	10	04/09/2018 01:30	WG1095442
1,3-Dichloropropane	U		1.47	10.0	10	04/09/2018 01:30	WG1095442
cis-1,3-Dichloropropene	U		0.976	5.00	10	04/09/2018 01:30	WG1095442
trans-1,3-Dichloropropene	U		2.22	5.00	10	04/09/2018 01:30	WG1095442
trans-1,4-Dichloro-2-butene	U		2.57	50.0	10	04/09/2018 01:30	WG1095442
2,2-Dichloropropane	U		0.929	5.00	10	04/09/2018 01:30	WG1095442
Di-isopropyl ether	U		0.924	5.00	10	04/09/2018 01:30	WG1095442
Ethylbenzene	26.6		1.58	5.00	10	04/09/2018 01:30	WG1095442
Hexachloro-1,3-butadiene	U		1.57	10.0	10	04/09/2018 01:30	WG1095442
2-Hexanone	U		7.57	50.0	10	04/09/2018 01:30	WG1095442
n-Hexane	36.9 J	J	3.05	50.0	10	04/09/2018 01:30	WG1095442
Iodomethane	U		3.77	100	10	04/09/2018 01:30	WG1095442
Isopropylbenzene	53.2		1.26	5.00	10	04/09/2018 01:30	WG1095442
p-Isopropyltoluene	U		1.38	5.00	10	04/09/2018 01:30	WG1095442
2-Butanone (MEK)	U		12.8	50.0	10	04/09/2018 01:30	WG1095442
Methylene Chloride	U		10.7	25.0	10	04/09/2018 01:30	WG1095442
4-Methyl-2-pentanone (MIBK)	U		8.23	50.0	10	04/09/2018 01:30	WG1095442
Methyl tert-butyl ether	U		1.02	5.00	10	04/09/2018 01:30	WG1095442
Naphthalene	4.50 U	B J	1.74	25.0	10	04/09/2018 01:30	WG1095442
n-Propylbenzene	88.0		1.62	5.00	10	04/09/2018 01:30	WG1095442
Styrene	U		1.17	5.00	10	04/09/2018 01:30	WG1095442
1,1,1,2-Tetrachloroethane	U		1.20	5.00	10	04/09/2018 01:30	WG1095442
1,1,2,2-Tetrachloroethane	U		1.30	5.00	10	04/09/2018 01:30	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		1.64	5.00	10	04/09/2018 01:30	WG1095442
Tetrachloroethene	U		1.99	5.00	10	04/10/2018 05:12	WG1095442
Toluene	12.1		4.12	5.00	10	04/09/2018 01:30	WG1095442
1,2,3-Trichlorobenzene	U		1.64	5.00	10	04/09/2018 01:30	WG1095442
1,2,4-Trichlorobenzene	U		3.55	5.00	10	04/09/2018 01:30	WG1095442
1,1,1-Trichloroethane	U		0.940	5.00	10	04/09/2018 01:30	WG1095442
1,1,2-Trichloroethane	U		1.86	5.00	10	04/09/2018 01:30	WG1095442
Trichloroethene	U		1.53	5.00	10	04/10/2018 05:12	WG1095442
Trichlorofluoromethane	U		1.30	25.0	10	04/09/2018 01:30	WG1095442
1,2,3-Trichloropropane	U		2.47	25.0	10	04/09/2018 01:30	WG1095442
1,2,4-Trimethylbenzene	U		1.23	5.00	10	04/09/2018 01:30	WG1095442
1,2,3-Trimethylbenzene	7.86		0.739	5.00	10	04/09/2018 01:30	WG1095442
1,3,5-Trimethylbenzene	2.77 J	J	1.24	5.00	10	04/09/2018 01:30	WG1095442
Vinyl acetate	U	J4	6.45	50.0	10	04/09/2018 01:30	WG1095442
Vinyl chloride	U		1.18	5.00	10	04/09/2018 01:30	WG1095442
Xylenes, Total	28.4		3.16	15.0	10	04/09/2018 01:30	WG1095442
(S) Toluene-d8	*99.2*			*80.0-120*		*04/10/2018 05:12*	WG1095442
(S) Toluene-d8	*105*			*80.0-120*		*04/09/2018 01:30*	WG1095442
(S) Dibromofluoromethane	*107*			*76.0-123*		*04/09/2018 01:30*	WG1095442
(S) Dibromofluoromethane	*98.8*			*76.0-123*		*04/10/2018 05:12*	WG1095442
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/10/2018 05:12*	WG1095442
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/09/2018 01:30*	WG1095442

Sample Narrative:

L984034-21 WG1095442: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/09/2018 01:50	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 01:50	WG1095442
Benzene	U		0.0896	0.500	1	04/09/2018 01:50	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 01:50	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 01:50	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 01:50	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 01:50	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 01:50	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 01:50	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 01:50	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 01:50	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/09/2018 01:50	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 01:50	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 01:50	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 01:50	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 01:50	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 01:50	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 01:50	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 01:50	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 01:50	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 01:50	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 01:50	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 01:50	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 01:50	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 01:50	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 01:50	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 01:50	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 01:50	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 01:50	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/09/2018 01:50	WG1095442
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 05:32	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/09/2018 01:50	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 01:50	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 01:50	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 01:50	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 01:50	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 01:50	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 01:50	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 01:50	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 01:50	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 01:50	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 01:50	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 01:50	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 01:50	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 01:50	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 01:50	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 01:50	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 01:50	WG1095442
Methylene Chloride	U		1.07	2.50	1	04/09/2018 01:50	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 01:50	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 01:50	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 01:50	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 01:50	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 01:50	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 01:50	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 01:50	WG1095442

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 01:50	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 05:32	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 01:50	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 01:50	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 01:50	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 01:50	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 01:50	WG1095442
Trichloroethene	U		0.153	0.500	1	04/09/2018 01:50	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 01:50	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 01:50	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 01:50	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 01:50	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 01:50	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 01:50	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/09/2018 01:50	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 01:50	WG1095442
(S) Toluene-d8	*100*			*80.0-120*		*04/10/2018 05:32*	WG1095442
(S) Toluene-d8	*104*			*80.0-120*		*04/09/2018 01:50*	WG1095442
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/10/2018 05:32*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/09/2018 01:50*	WG1095442
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/10/2018 05:32*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/09/2018 01:50*	WG1095442

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 06:52	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 06:52*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.55 U	B J	1.05	25.0	1	04/09/2018 02:10	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/09/2018 02:10	WG1095442
Benzene	U		0.0896	0.500	1	04/09/2018 02:10	WG1095442
Bromobenzene	U		0.133	0.500	1	04/09/2018 02:10	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/09/2018 02:10	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/09/2018 02:10	WG1095442
Bromoform	U		0.186	0.500	1	04/09/2018 02:10	WG1095442
Bromomethane	U		0.157	2.50	1	04/09/2018 02:10	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/09/2018 02:10	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/09/2018 02:10	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/09/2018 02:10	WG1095442
Carbon disulfide	U		0.101	0.500	1	04/09/2018 02:10	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/09/2018 02:10	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/09/2018 02:10	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/09/2018 02:10	WG1095442
Chloroethane	U		0.141	2.50	1	04/09/2018 02:10	WG1095442
Chloroform	U		0.0860	0.500	1	04/09/2018 02:10	WG1095442
Chloromethane	U		0.153	1.25	1	04/09/2018 02:10	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/09/2018 02:10	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/09/2018 02:10	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/09/2018 02:10	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/09/2018 02:10	WG1095442
Dibromomethane	U		0.117	0.500	1	04/09/2018 02:10	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/09/2018 02:10	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/09/2018 02:10	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/09/2018 02:10	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/09/2018 02:10	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/09/2018 02:10	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/09/2018 02:10	WG1095442
1,1-Dichloroethene	0.347 J	J	0.188	0.500	1	04/09/2018 02:10	WG1095442
cis-1,2-Dichloroethene	19.4		0.0933	0.500	1	04/09/2018 02:10	WG1095442
trans-1,2-Dichloroethene	0.277 J	J	0.152	0.500	1	04/09/2018 02:10	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/09/2018 02:10	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/09/2018 02:10	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/09/2018 02:10	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/09/2018 02:10	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/09/2018 02:10	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/09/2018 02:10	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/09/2018 02:10	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/09/2018 02:10	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/09/2018 02:10	WG1095442
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/09/2018 02:10	WG1095442
2-Hexanone	U		0.757	5.00	1	04/09/2018 02:10	WG1095442
n-Hexane	U		0.305	5.00	1	04/09/2018 02:10	WG1095442
Iodomethane	U		0.377	10.0	1	04/09/2018 02:10	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/09/2018 02:10	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/09/2018 02:10	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/09/2018 02:10	WG1095442

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/09/2018 02:10	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 02:10	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 02:10	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 02:10	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 02:10	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 02:10	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 02:10	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 02:10	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 02:10	WG1095442
Tetrachloroethene	1.85		0.199	0.500	1	04/09/2018 02:10	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 02:10	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 02:10	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 02:10	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 02:10	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 02:10	WG1095442
Trichloroethene	2.24		0.153	0.500	1	04/09/2018 02:10	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 02:10	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 02:10	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 02:10	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 02:10	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 02:10	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 02:10	WG1095442
Vinyl chloride	26.9		0.118	0.500	1	04/09/2018 02:10	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 02:10	WG1095442
(S) Toluene-d8	*105*			*80.0-120*		*04/09/2018 02:10*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/09/2018 02:10*	WG1095442
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/09/2018 02:10*	WG1095442

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 07:16	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 07:16*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	1.33	U	B J	1.05	25.0	1	04/09/2018 02:30	WG1095442	
Acrylonitrile	U			0.873	5.00	1	04/09/2018 02:30	WG1095442	
Benzene	U			0.0896	0.500	1	04/09/2018 02:30	WG1095442	
Bromobenzene	U			0.133	0.500	1	04/09/2018 02:30	WG1095442	
Bromodichloromethane	U			0.0800	0.500	1	04/09/2018 02:30	WG1095442	
Bromochloromethane	U			0.145	0.500	1	04/09/2018 02:30	WG1095442	
Bromoform	U			0.186	0.500	1	04/09/2018 02:30	WG1095442	
Bromomethane	U			0.157	2.50	1	04/09/2018 02:30	WG1095442	
n-Butylbenzene	U			0.143	0.500	1	04/09/2018 02:30	WG1095442	
sec-Butylbenzene	U			0.134	0.500	1	04/09/2018 02:30	WG1095442	
tert-Butylbenzene	U			0.183	0.500	1	04/09/2018 02:30	WG1095442	
Carbon disulfide	U			0.101	0.500	1	04/09/2018 02:30	WG1095442	
Carbon tetrachloride	U			0.159	0.500	1	04/09/2018 02:30	WG1095442	
Chlorobenzene	U			0.140	0.500	1	04/09/2018 02:30	WG1095442	
Chlorodibromomethane	U			0.128	0.500	1	04/09/2018 02:30	WG1095442	
Chloroethane	U			0.141	2.50	1	04/09/2018 02:30	WG1095442	
Chloroform	U			0.0860	0.500	1	04/09/2018 02:30	WG1095442	
Chloromethane	U			0.153	1.25	1	04/09/2018 02:30	WG1095442	
2-Chlorotoluene	U			0.111	0.500	1	04/09/2018 02:30	WG1095442	
4-Chlorotoluene	U			0.0972	0.500	1	04/09/2018 02:30	WG1095442	
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/09/2018 02:30	WG1095442	
1,2-Dibromoethane	U			0.193	0.500	1	04/09/2018 02:30	WG1095442	
Dibromomethane	U			0.117	0.500	1	04/09/2018 02:30	WG1095442	
1,2-Dichlorobenzene	U			0.101	0.500	1	04/09/2018 02:30	WG1095442	
1,3-Dichlorobenzene	U			0.130	0.500	1	04/09/2018 02:30	WG1095442	
1,4-Dichlorobenzene	U			0.121	0.500	1	04/09/2018 02:30	WG1095442	
Dichlorodifluoromethane	U			0.127	2.50	1	04/09/2018 02:30	WG1095442	
1,1-Dichloroethane	U			0.114	0.500	1	04/09/2018 02:30	WG1095442	
1,2-Dichloroethane	U			0.108	0.500	1	04/09/2018 02:30	WG1095442	
1,1-Dichloroethene	U			0.188	0.500	1	04/09/2018 02:30	WG1095442	
cis-1,2-Dichloroethene	0.278	J	J	0.0933	0.500	1	04/09/2018 02:30	WG1095442	
trans-1,2-Dichloroethene	U			0.152	0.500	1	04/09/2018 02:30	WG1095442	
1,2-Dichloropropane	U			0.190	0.500	1	04/09/2018 02:30	WG1095442	
1,1-Dichloropropene	U			0.128	0.500	1	04/09/2018 02:30	WG1095442	
1,3-Dichloropropane	U			0.147	1.00	1	04/09/2018 02:30	WG1095442	
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/09/2018 02:30	WG1095442	
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/09/2018 02:30	WG1095442	
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/09/2018 02:30	WG1095442	
2,2-Dichloropropane	U			0.0929	0.500	1	04/09/2018 02:30	WG1095442	
Di-isopropyl ether	U			0.0924	0.500	1	04/09/2018 02:30	WG1095442	
Ethylbenzene	U			0.158	0.500	1	04/09/2018 02:30	WG1095442	
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/09/2018 02:30	WG1095442	
2-Hexanone	U			0.757	5.00	1	04/09/2018 02:30	WG1095442	
n-Hexane	U			0.305	5.00	1	04/09/2018 02:30	WG1095442	
Iodomethane	U			0.377	10.0	1	04/09/2018 02:30	WG1095442	
Isopropylbenzene	U			0.126	0.500	1	04/09/2018 02:30	WG1095442	
p-Isopropyltoluene	U			0.138	0.500	1	04/09/2018 02:30	WG1095442	JC 4/24/18
2-Butanone (MEK)	U			1.28	5.00	1	04/09/2018 02:30	WG1095442	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/09/2018 02:30	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/09/2018 02:30	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/09/2018 02:30	WG1095442
Naphthalene	U		0.174	2.50	1	04/09/2018 02:30	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/09/2018 02:30	WG1095442
Styrene	U		0.117	0.500	1	04/09/2018 02:30	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/09/2018 02:30	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/09/2018 02:30	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/09/2018 02:30	WG1095442
Tetrachloroethene	0.580		0.199	0.500	1	04/09/2018 02:30	WG1095442
Toluene	U		0.412	0.500	1	04/09/2018 02:30	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/09/2018 02:30	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/09/2018 02:30	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/09/2018 02:30	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/09/2018 02:30	WG1095442
Trichloroethene	U		0.153	0.500	1	04/09/2018 02:30	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/09/2018 02:30	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/09/2018 02:30	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/09/2018 02:30	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/09/2018 02:30	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/09/2018 02:30	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/09/2018 02:30	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/09/2018 02:30	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/09/2018 02:30	WG1095442
(S) Toluene-d8	*106*			*80.0-120*		*04/09/2018 02:30*	WG1095442
(S) Dibromofluoromethane	*108*			*76.0-123*		*04/09/2018 02:30*	WG1095442
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/09/2018 02:30*	WG1095442

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 01:49	WG1095836
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/11/2018 01:49*	WG1095836

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/08/2018 19:43	WG1095442
Acrylonitrile	U		0.873	5.00	1	04/08/2018 19:43	WG1095442
Benzene	U		0.0896	0.500	1	04/08/2018 19:43	WG1095442
Bromobenzene	U		0.133	0.500	1	04/08/2018 19:43	WG1095442
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 19:43	WG1095442
Bromochloromethane	U		0.145	0.500	1	04/08/2018 19:43	WG1095442
Bromoform	U		0.186	0.500	1	04/08/2018 19:43	WG1095442
Bromomethane	U		0.157	2.50	1	04/08/2018 19:43	WG1095442
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 19:43	WG1095442
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 19:43	WG1095442
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 19:43	WG1095442
Carbon disulfide	0.153	U B J	0.101	0.500	1	04/08/2018 19:43	WG1095442
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 19:43	WG1095442
Chlorobenzene	U		0.140	0.500	1	04/08/2018 19:43	WG1095442
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 19:43	WG1095442
Chloroethane	U		0.141	2.50	1	04/08/2018 19:43	WG1095442
Chloroform	U		0.0860	0.500	1	04/08/2018 19:43	WG1095442
Chloromethane	U		0.153	1.25	1	04/08/2018 19:43	WG1095442
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 19:43	WG1095442
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 19:43	WG1095442
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 19:43	WG1095442
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 19:43	WG1095442
Dibromomethane	U		0.117	0.500	1	04/08/2018 19:43	WG1095442
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 19:43	WG1095442
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 19:43	WG1095442
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 19:43	WG1095442
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 19:43	WG1095442
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 19:43	WG1095442
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 19:43	WG1095442
1,1-Dichloroethene	U		0.188	0.500	1	04/08/2018 19:43	WG1095442
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/08/2018 19:43	WG1095442
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/08/2018 19:43	WG1095442
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 19:43	WG1095442
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 19:43	WG1095442
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 19:43	WG1095442
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 19:43	WG1095442
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 19:43	WG1095442
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 19:43	WG1095442
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 19:43	WG1095442
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 19:43	WG1095442
Ethylbenzene	U		0.158	0.500	1	04/08/2018 19:43	WG1095442
Hexachloro-1,3-butadiene	0.279	U B J	0.157	1.00	1	04/08/2018 19:43	WG1095442
2-Hexanone	U		0.757	5.00	1	04/08/2018 19:43	WG1095442
n-Hexane	U		0.305	5.00	1	04/08/2018 19:43	WG1095442
Iodomethane	U		0.377	10.0	1	04/08/2018 19:43	WG1095442
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 19:43	WG1095442
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 19:43	WG1095442
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 19:43	WG1095442

JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 19:43	WG1095442
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 19:43	WG1095442
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 19:43	WG1095442
Naphthalene	U		0.174	2.50	1	04/08/2018 19:43	WG1095442
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 19:43	WG1095442
Styrene	U		0.117	0.500	1	04/08/2018 19:43	WG1095442
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 19:43	WG1095442
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 19:43	WG1095442
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 19:43	WG1095442
Tetrachloroethene	U		0.199	0.500	1	04/08/2018 19:43	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 19:43	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 19:43	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 19:43	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 19:43	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 19:43	WG1095442
Trichloroethene	U		0.153	0.500	1	04/08/2018 19:43	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 19:43	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 19:43	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 19:43	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 19:43	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 19:43	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 19:43	WG1095442
Vinyl chloride	U		0.118	0.500	1	04/08/2018 19:43	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 19:43	WG1095442
(S) Toluene-d8	*105*			*80.0-120*		*04/08/2018 19:43*	WG1095442
(S) Dibromofluoromethane	*107*			*76.0-123*		*04/08/2018 19:43*	WG1095442
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/08/2018 19:43*	WG1095442

JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		1.05	25.0	1	04/08/2018 23:29	WG1095442	
Acrylonitrile	U		0.873	5.00	1	04/08/2018 23:29	WG1095442	
Benzene	U		0.0896	0.500	1	04/08/2018 23:29	WG1095442	
Bromobenzene	U		0.133	0.500	1	04/08/2018 23:29	WG1095442	
Bromodichloromethane	U		0.0800	0.500	1	04/08/2018 23:29	WG1095442	
Bromochloromethane	U		0.145	0.500	1	04/08/2018 23:29	WG1095442	
Bromoform	U		0.186	0.500	1	04/08/2018 23:29	WG1095442	
Bromomethane	U		0.157	2.50	1	04/08/2018 23:29	WG1095442	
n-Butylbenzene	U		0.143	0.500	1	04/08/2018 23:29	WG1095442	
sec-Butylbenzene	U		0.134	0.500	1	04/08/2018 23:29	WG1095442	
tert-Butylbenzene	U		0.183	0.500	1	04/08/2018 23:29	WG1095442	
Carbon disulfide	U		0.101	0.500	1	04/08/2018 23:29	WG1095442	
Carbon tetrachloride	U		0.159	0.500	1	04/08/2018 23:29	WG1095442	
Chlorobenzene	U		0.140	0.500	1	04/08/2018 23:29	WG1095442	
Chlorodibromomethane	U		0.128	0.500	1	04/08/2018 23:29	WG1095442	
Chloroethane	U		0.141	2.50	1	04/08/2018 23:29	WG1095442	
Chloroform	U		0.0860	0.500	1	04/08/2018 23:29	WG1095442	
Chloromethane	U		0.153	1.25	1	04/08/2018 23:29	WG1095442	
2-Chlorotoluene	U		0.111	0.500	1	04/08/2018 23:29	WG1095442	
4-Chlorotoluene	U		0.0972	0.500	1	04/08/2018 23:29	WG1095442	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/08/2018 23:29	WG1095442	
1,2-Dibromoethane	U		0.193	0.500	1	04/08/2018 23:29	WG1095442	
Dibromomethane	U		0.117	0.500	1	04/08/2018 23:29	WG1095442	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/08/2018 23:29	WG1095442	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/08/2018 23:29	WG1095442	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/08/2018 23:29	WG1095442	
Dichlorodifluoromethane	U		0.127	2.50	1	04/08/2018 23:29	WG1095442	
1,1-Dichloroethane	U		0.114	0.500	1	04/08/2018 23:29	WG1095442	
1,2-Dichloroethane	U		0.108	0.500	1	04/08/2018 23:29	WG1095442	
1,1-Dichloroethene	1.21		0.188	0.500	1	04/08/2018 23:29	WG1095442	
cis-1,2-Dichloroethene	629		0.933	5.00	10	04/10/2018 03:32	WG1095442	
trans-1,2-Dichloroethene	3.34		0.152	0.500	1	04/08/2018 23:29	WG1095442	
1,2-Dichloropropane	U		0.190	0.500	1	04/08/2018 23:29	WG1095442	
1,1-Dichloropropene	U		0.128	0.500	1	04/08/2018 23:29	WG1095442	
1,3-Dichloropropane	U		0.147	1.00	1	04/08/2018 23:29	WG1095442	JC 4/27/18
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/08/2018 23:29	WG1095442	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/08/2018 23:29	WG1095442	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/08/2018 23:29	WG1095442	
2,2-Dichloropropane	U		0.0929	0.500	1	04/08/2018 23:29	WG1095442	
Di-isopropyl ether	U		0.0924	0.500	1	04/08/2018 23:29	WG1095442	
Ethylbenzene	U		0.158	0.500	1	04/08/2018 23:29	WG1095442	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/08/2018 23:29	WG1095442	
2-Hexanone	U		0.757	5.00	1	04/08/2018 23:29	WG1095442	
n-Hexane	U		0.305	5.00	1	04/08/2018 23:29	WG1095442	
Iodomethane	U		0.377	10.0	1	04/08/2018 23:29	WG1095442	
Isopropylbenzene	U		0.126	0.500	1	04/08/2018 23:29	WG1095442	
p-Isopropyltoluene	U		0.138	0.500	1	04/08/2018 23:29	WG1095442	
2-Butanone (MEK)	U		1.28	5.00	1	04/08/2018 23:29	WG1095442	
Methylene Chloride	U		1.07	2.50	1	04/08/2018 23:29	WG1095442	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/08/2018 23:29	WG1095442	
Methyl tert-butyl ether	U		0.102	0.500	1	04/08/2018 23:29	WG1095442	
Naphthalene	U		0.174	2.50	1	04/08/2018 23:29	WG1095442	
n-Propylbenzene	U		0.162	0.500	1	04/08/2018 23:29	WG1095442	JC 4/24/18
Styrene	U		0.117	0.500	1	04/08/2018 23:29	WG1095442	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/08/2018 23:29	WG1095442	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/08/2018 23:29	WG1095442	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/08/2018 23:29	WG1095442
Tetrachloroethene	U	UJ	1.99	5.00	10	04/10/2018 03:32	WG1095442
Toluene	U		0.412	0.500	1	04/08/2018 23:29	WG1095442
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/08/2018 23:29	WG1095442
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/08/2018 23:29	WG1095442
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/08/2018 23:29	WG1095442
1,1,2-Trichloroethane	U		0.186	0.500	1	04/08/2018 23:29	WG1095442
Trichloroethene	210		1.53	5.00	10	04/10/2018 03:32	WG1095442
Trichlorofluoromethane	U		0.130	2.50	1	04/08/2018 23:29	WG1095442
1,2,3-Trichloropropane	U		0.247	2.50	1	04/08/2018 23:29	WG1095442
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/08/2018 23:29	WG1095442
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/08/2018 23:29	WG1095442
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/08/2018 23:29	WG1095442
Vinyl acetate	U	J4	0.645	5.00	1	04/08/2018 23:29	WG1095442
Vinyl chloride	42.2		0.118	0.500	1	04/08/2018 23:29	WG1095442
Xylenes, Total	U		0.316	1.50	1	04/08/2018 23:29	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/08/2018 23:29*	WG1095442
(S) Toluene-d8	*101*			*80.0-120*		*04/10/2018 03:32*	WG1095442
(S) Dibromofluoromethane	*109*			*76.0-123*		*04/08/2018 23:29*	WG1095442
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/10/2018 03:32*	WG1095442
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/08/2018 23:29*	WG1095442
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 03:32*	WG1095442

Sample Narrative:

L984034-15 WG1095442: PCE not reportable at 1x due to possible carryover.

L984034-15 WG1095442: PCE cannot be reported at a lower dilution due to high levels of target analytes.

JC 4/27/18

JC 4/24/18

ANALYTICAL REPORT

April 23, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L984275
Samples Received:	04/10/2018
Project Number:	1413.001.05.601
Description:	American Linen Supply

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

MW128-040918 L984275-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/09/18 10:46 | Received date/time: 04/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/10/18 17:04	04/10/18 17:04	BMB

MW-214-040918 L984275-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/09/18 11:47 | Received date/time: 04/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/10/18 17:24	04/10/18 17:24	BMB

SMW-3-040918 L984275-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/09/18 12:30 | Received date/time: 04/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/10/18 17:44	04/10/18 17:44	BMB

MW110-040918 L984275-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/09/18 14:18 | Received date/time: 04/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/10/18 18:04	04/10/18 18:04	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	20	04/11/18 18:13	04/11/18 18:13	ACG

MW107-040918 L984275-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/09/18 09:35 | Received date/time: 04/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1096470	1	04/12/18 05:49	04/12/18 05:49	MCG
Wet Chemistry by Method 9056A	WG1096122	1	04/10/18 17:19	04/10/18 17:19	MAJ
Wet Chemistry by Method 9060A	WG1095776	10	04/10/18 16:21	04/10/18 16:21	SJM
Metals (ICPMS) by Method 6020A	WG1095826	1	04/10/18 12:25	04/15/18 10:24	WBD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096307	1	04/11/18 04:24	04/11/18 04:24	ACE
Volatile Organic Compounds (GC) by Method RSK175	WG1098682	1	04/16/18 10:50	04/16/18 10:50	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/10/18 18:24	04/10/18 18:24	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/11/18 18:32	04/11/18 18:32	ACG

MW120-040918 L984275-06 GW

Collected by: Jeff Dobbins | Collected date/time: 04/09/18 11:49 | Received date/time: 04/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1096470	1	04/11/18 19:45	04/11/18 19:45	MCG
Wet Chemistry by Method 9056A	WG1096122	1	04/10/18 17:31	04/10/18 17:31	MAJ
Wet Chemistry by Method 9060A	WG1095776	1	04/10/18 16:39	04/10/18 16:39	SJM
Metals (ICPMS) by Method 6020A	WG1095826	1	04/10/18 12:25	04/15/18 10:43	WBD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096307	1	04/11/18 04:45	04/11/18 04:45	ACE
Volatile Organic Compounds (GC) by Method RSK175	WG1098682	1	04/16/18 10:56	04/16/18 10:56	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/10/18 18:45	04/10/18 18:45	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/11/18 18:51	04/11/18 18:51	ACG

MW104-040918 L984275-07 GW

Collected by: Jeff Dobbins
Collected date/time: 04/09/18 13:46
Received date/time: 04/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1096470	1	04/11/18 19:51	04/11/18 19:51	MCG
Wet Chemistry by Method 9056A	WG1096122	1	04/10/18 17:44	04/10/18 17:44	MAJ
Wet Chemistry by Method 9060A	WG1095776	10	04/10/18 17:16	04/10/18 17:16	SJM
Metals (ICPMS) by Method 6020A	WG1095826	1	04/10/18 12:25	04/15/18 10:47	WBD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096307	1	04/11/18 05:06	04/11/18 05:06	ACE
Volatile Organic Compounds (GC) by Method RSK175	WG1098682	1	04/16/18 10:58	04/16/18 10:58	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/10/18 19:05	04/10/18 19:05	BMB

IW-28B-040918 L984275-08 GW

Collected by: Jeff Dobbins
Collected date/time: 04/09/18 15:53
Received date/time: 04/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/10/18 19:25	04/10/18 19:25	BMB

TRIP BLANK L984275-09 GW

Collected by: Jeff Dobbins
Collected date/time: 04/09/18 00:00
Received date/time: 04/10/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096478	1	04/11/18 17:30	04/11/18 17:30	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096032	1	04/10/18 16:44	04/10/18 16:44	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J0	1.05	25.0	1	04/10/2018 17:04	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 17:04	WG1096032
Benzene	28.3		0.0896	0.500	1	04/10/2018 17:04	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 17:04	WG1096032
Bromodichloromethane	U	J0	0.0800	0.500	1	04/10/2018 17:04	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 17:04	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 17:04	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 17:04	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 17:04	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 17:04	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 17:04	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 17:04	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 17:04	WG1096032
Chlorobenzene	U		0.140	0.500	1	04/10/2018 17:04	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 17:04	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 17:04	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 17:04	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 17:04	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 17:04	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 17:04	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 17:04	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 17:04	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 17:04	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 17:04	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 17:04	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 17:04	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 17:04	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 17:04	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 17:04	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 17:04	WG1096032
cis-1,2-Dichloroethene	3.07		0.0933	0.500	1	04/10/2018 17:04	WG1096032
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 17:04	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 17:04	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 17:04	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 17:04	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 17:04	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 17:04	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 17:04	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 17:04	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 17:04	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 17:04	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 17:04	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 17:04	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 17:04	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 17:04	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 17:04	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 17:04	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 17:04	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 17:04	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 17:04	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 17:04	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 17:04	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 17:04	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 17:04	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 17:04	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 17:04	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 17:04	WG1096032
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 17:04	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 17:04	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 17:04	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 17:04	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 17:04	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 17:04	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 17:04	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 17:04	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 17:04	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 17:04	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 17:04	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 17:04	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 17:04	WG1096032
Vinyl chloride	31.0		0.118	0.500	1	04/10/2018 17:04	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 17:04	WG1096032
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 17:04*	WG1096032
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/10/2018 17:04*	WG1096032
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 17:04*	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J0	1.05	25.0	1	04/10/2018 17:24	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 17:24	WG1096032
Benzene	U		0.0896	0.500	1	04/10/2018 17:24	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 17:24	WG1096032
Bromodichloromethane	U	J0	0.0800	0.500	1	04/10/2018 17:24	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 17:24	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 17:24	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 17:24	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 17:24	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 17:24	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 17:24	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 17:24	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 17:24	WG1096032
Chlorobenzene	U		0.140	0.500	1	04/10/2018 17:24	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 17:24	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 17:24	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 17:24	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 17:24	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 17:24	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 17:24	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 17:24	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 17:24	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 17:24	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 17:24	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 17:24	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 17:24	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 17:24	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 17:24	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 17:24	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 17:24	WG1096032
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 17:24	WG1096032
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 17:24	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 17:24	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 17:24	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 17:24	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 17:24	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 17:24	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 17:24	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 17:24	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 17:24	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 17:24	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 17:24	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 17:24	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 17:24	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 17:24	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 17:24	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 17:24	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 17:24	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 17:24	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 17:24	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 17:24	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 17:24	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 17:24	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 17:24	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 17:24	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 17:24	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 17:24	WG1096032
Tetrachloroethene	0.725		0.199	0.500	1	04/10/2018 17:24	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 17:24	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 17:24	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 17:24	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 17:24	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 17:24	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 17:24	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 17:24	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 17:24	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 17:24	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 17:24	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 17:24	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 17:24	WG1096032
Vinyl chloride	U		0.118	0.500	1	04/10/2018 17:24	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 17:24	WG1096032
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 17:24*	WG1096032
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/10/2018 17:24*	WG1096032
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 17:24*	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J0	1.05	25.0	1	04/10/2018 17:44	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 17:44	WG1096032
Benzene	U		0.0896	0.500	1	04/10/2018 17:44	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 17:44	WG1096032
Bromodichloromethane	U	J0	0.0800	0.500	1	04/10/2018 17:44	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 17:44	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 17:44	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 17:44	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 17:44	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 17:44	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 17:44	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 17:44	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 17:44	WG1096032
Chlorobenzene	U		0.140	0.500	1	04/10/2018 17:44	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 17:44	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 17:44	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 17:44	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 17:44	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 17:44	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 17:44	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 17:44	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 17:44	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 17:44	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 17:44	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 17:44	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 17:44	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 17:44	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 17:44	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 17:44	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 17:44	WG1096032
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 17:44	WG1096032
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 17:44	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 17:44	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 17:44	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 17:44	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 17:44	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 17:44	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 17:44	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 17:44	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 17:44	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 17:44	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 17:44	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 17:44	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 17:44	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 17:44	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 17:44	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 17:44	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 17:44	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 17:44	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 17:44	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 17:44	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 17:44	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 17:44	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 17:44	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 17:44	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 17:44	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 17:44	WG1096032
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 17:44	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 17:44	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 17:44	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 17:44	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 17:44	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 17:44	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 17:44	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 17:44	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 17:44	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 17:44	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 17:44	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 17:44	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 17:44	WG1096032
Vinyl chloride	U		0.118	0.500	1	04/10/2018 17:44	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 17:44	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 17:44*	WG1096032
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 17:44*	WG1096032
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 17:44*	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.55	J J0	1.05	25.0	1	04/10/2018 18:04	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 18:04	WG1096032
Benzene	U		0.0896	0.500	1	04/10/2018 18:04	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 18:04	WG1096032
Bromodichloromethane	U	J0	0.0800	0.500	1	04/10/2018 18:04	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 18:04	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 18:04	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 18:04	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 18:04	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 18:04	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 18:04	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 18:04	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 18:04	WG1096032
Chlorobenzene	U		0.140	0.500	1	04/10/2018 18:04	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 18:04	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 18:04	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 18:04	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 18:04	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 18:04	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 18:04	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 18:04	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 18:04	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 18:04	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 18:04	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 18:04	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 18:04	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 18:04	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 18:04	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 18:04	WG1096032
1,1-Dichloroethene	5.17		0.188	0.500	1	04/10/2018 18:04	WG1096032
cis-1,2-Dichloroethene	675		1.87	10.0	20	04/11/2018 18:13	WG1096032
trans-1,2-Dichloroethene	3.72		0.152	0.500	1	04/10/2018 18:04	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 18:04	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 18:04	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 18:04	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 18:04	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 18:04	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 18:04	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 18:04	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 18:04	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 18:04	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 18:04	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 18:04	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 18:04	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 18:04	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 18:04	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 18:04	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 18:04	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 18:04	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 18:04	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 18:04	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 18:04	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 18:04	WG1096032
Styrene	0.164	J	0.117	0.500	1	04/10/2018 18:04	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 18:04	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 18:04	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 18:04	WG1096032
Tetrachloroethene	375		3.98	10.0	20	04/11/2018 18:13	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 18:04	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 18:04	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 18:04	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 18:04	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 18:04	WG1096032
Trichloroethene	253		3.06	10.0	20	04/11/2018 18:13	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 18:04	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 18:04	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 18:04	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 18:04	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 18:04	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 18:04	WG1096032
Vinyl chloride	3.54		0.118	0.500	1	04/10/2018 18:04	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 18:04	WG1096032
(S) Toluene-d8	*104*			*80.0-120*		*04/10/2018 18:04*	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/11/2018 18:13*	WG1096032
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/10/2018 18:04*	WG1096032
(S) Dibromofluoromethane	*91.6*			*76.0-123*		*04/11/2018 18:13*	WG1096032
(S) 4-Bromofluorobenzene	*79.6*	J2		*80.0-120*		*04/11/2018 18:13*	WG1096032
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/10/2018 18:04*	WG1096032

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	692000		2710	20000	1	04/12/2018 05:49	WG1096470

Sample Narrative:

L984275-05 WG1096470: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	67500		51.9	1000	1	04/10/2018 17:19	WG1096122
Nitrate	U		22.7	100	1	04/10/2018 17:19	WG1096122
Sulfate	3540	J	77.4	5000	1	04/10/2018 17:19	WG1096122

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	26300		1020	10000	10	04/10/2018 16:21	WG1095776

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4840		15.0	100	1	04/15/2018 10:24	WG1095826
Manganese	1210		0.250	5.00	1	04/15/2018 10:24	WG1095826

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	59.3	J	31.6	100	1	04/11/2018 04:24	WG1096307
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-122*		*04/11/2018 04:24*	WG1096307

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6700		0.287	0.678	1	04/16/2018 10:50	WG1098682
Ethane	44.2		0.296	1.29	1	04/16/2018 10:50	WG1098682
Ethene	38.1		0.422	1.27	1	04/16/2018 10:50	WG1098682

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.23	J J0	1.05	25.0	1	04/10/2018 18:24	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 18:24	WG1096032
Benzene	0.193	J	0.0896	0.500	1	04/10/2018 18:24	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 18:24	WG1096032
Bromodichloromethane	U	J0	0.0800	0.500	1	04/10/2018 18:24	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 18:24	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 18:24	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 18:24	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 18:24	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 18:24	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 18:24	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 18:24	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 18:24	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/10/2018 18:24	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 18:24	WG1096032
Chloroethane	4.31		0.141	2.50	1	04/10/2018 18:24	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 18:24	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 18:24	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 18:24	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 18:24	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 18:24	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 18:24	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 18:24	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 18:24	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 18:24	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 18:24	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 18:24	WG1096032
cis-1,2-Dichloroethene	72.1		0.0933	0.500	1	04/11/2018 18:32	WG1096032
trans-1,2-Dichloroethene	10.5		0.152	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 18:24	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 18:24	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 18:24	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 18:24	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 18:24	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 18:24	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 18:24	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 18:24	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 18:24	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 18:24	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 18:24	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 18:24	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 18:24	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 18:24	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 18:24	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 18:24	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 18:24	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 18:24	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 18:24	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 18:24	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 18:24	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 18:24	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 18:24	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 18:24	WG1096032
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 18:24	WG1096032
Tetrachloroethene	0.879		0.199	0.500	1	04/11/2018 18:32	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 18:24	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 18:24	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 18:24	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 18:24	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 18:24	WG1096032
Trichloroethene	0.581		0.153	0.500	1	04/11/2018 18:32	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 18:24	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 18:24	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 18:24	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 18:24	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 18:24	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/10/2018 18:24	WG1096032
Vinyl chloride	123		0.118	0.500	1	04/10/2018 18:24	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 18:24	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 18:24*	WG1096032
(S) Toluene-d8	*103*			*80.0-120*		*04/11/2018 18:32*	WG1096032
(S) Dibromofluoromethane	*91.2*			*76.0-123*		*04/11/2018 18:32*	WG1096032
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/10/2018 18:24*	WG1096032
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 18:24*	WG1096032
(S) 4-Bromofluorobenzene	*78.8*	J2		*80.0-120*		*04/11/2018 18:32*	WG1096032

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	151000		2710	20000	1	04/11/2018 19:45	WG1096470

Sample Narrative:

L984275-06 WG1096470: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	30200		51.9	1000	1	04/10/2018 17:31	WG1096122
Nitrate	237		22.7	100	1	04/10/2018 17:31	WG1096122
Sulfate	66900		77.4	5000	1	04/10/2018 17:31	WG1096122

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1080		102	1000	1	04/10/2018 16:39	WG1095776

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1400		15.0	100	1	04/15/2018 10:43	WG1095826
Manganese	194		0.250	5.00	1	04/15/2018 10:43	WG1095826

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 04:45	WG1096307
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-122*		*04/11/2018 04:45*	WG1096307

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/16/2018 10:56	WG1098682
Ethane	U		0.296	1.29	1	04/16/2018 10:56	WG1098682
Ethene	U		0.422	1.27	1	04/16/2018 10:56	WG1098682

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.83	J J0	1.05	25.0	1	04/10/2018 18:45	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 18:45	WG1096032
Benzene	U		0.0896	0.500	1	04/10/2018 18:45	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 18:45	WG1096032
Bromodichloromethane	U	J0	0.0800	0.500	1	04/10/2018 18:45	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 18:45	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 18:45	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 18:45	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 18:45	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 18:45	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 18:45	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 18:45	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 18:45	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/10/2018 18:45	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 18:45	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 18:45	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 18:45	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 18:45	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 18:45	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 18:45	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 18:45	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 18:45	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 18:45	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 18:45	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 18:45	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 18:45	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 18:45	WG1096032
1,1-Dichloroethane	0.471	J	0.114	0.500	1	04/10/2018 18:45	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 18:45	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 18:45	WG1096032
cis-1,2-Dichloroethene	0.811		0.0933	0.500	1	04/11/2018 18:51	WG1096032
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 18:45	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 18:45	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 18:45	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 18:45	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 18:45	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 18:45	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 18:45	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 18:45	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 18:45	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 18:45	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 18:45	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 18:45	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 18:45	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 18:45	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 18:45	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 18:45	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 18:45	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 18:45	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 18:45	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 18:45	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 18:45	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 18:45	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 18:45	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 18:45	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 18:45	WG1096032
1,1,2-Trichlorotrifluoroethane	0.501		0.164	0.500	1	04/10/2018 18:45	WG1096032
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 18:45	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 18:45	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 18:45	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 18:45	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 18:45	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 18:45	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 18:45	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 18:45	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 18:45	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 18:45	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 18:45	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 18:45	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/10/2018 18:45	WG1096032
Vinyl chloride	U		0.118	0.500	1	04/10/2018 18:45	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 18:45	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 18:45*	WG1096032
(S) Toluene-d8	*105*			*80.0-120*		*04/11/2018 18:51*	WG1096032
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/10/2018 18:45*	WG1096032
(S) Dibromofluoromethane	*90.9*			*76.0-123*		*04/11/2018 18:51*	WG1096032
(S) 4-Bromofluorobenzene	*82.9*			*80.0-120*		*04/11/2018 18:51*	WG1096032
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 18:45*	WG1096032

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	224000		2710	20000	1	04/11/2018 19:51	WG1096470

Sample Narrative:

L984275-07 WG1096470: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	17200		51.9	1000	1	04/10/2018 17:44	WG1096122
Nitrate	U		22.7	100	1	04/10/2018 17:44	WG1096122
Sulfate	594	J	77.4	5000	1	04/10/2018 17:44	WG1096122

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7130	J	1020	10000	10	04/10/2018 17:16	WG1095776

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	793		15.0	100	1	04/15/2018 10:47	WG1095826
Manganese	263		0.250	5.00	1	04/15/2018 10:47	WG1095826

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	81.3	J	31.6	100	1	04/11/2018 05:06	WG1096307
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-122*		*04/11/2018 05:06*	WG1096307

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	398		0.287	0.678	1	04/16/2018 10:58	WG1098682
Ethane	U		0.296	1.29	1	04/16/2018 10:58	WG1098682
Ethene	5.71		0.422	1.27	1	04/16/2018 10:58	WG1098682

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.33	J JO	1.05	25.0	1	04/10/2018 19:05	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 19:05	WG1096032
Benzene	U		0.0896	0.500	1	04/10/2018 19:05	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 19:05	WG1096032
Bromodichloromethane	U	JO	0.0800	0.500	1	04/10/2018 19:05	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 19:05	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 19:05	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 19:05	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 19:05	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 19:05	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 19:05	WG1096032
Carbon disulfide	0.147	J	0.101	0.500	1	04/10/2018 19:05	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 19:05	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/10/2018 19:05	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 19:05	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 19:05	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 19:05	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 19:05	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 19:05	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 19:05	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 19:05	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 19:05	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 19:05	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 19:05	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 19:05	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 19:05	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 19:05	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 19:05	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 19:05	WG1096032
1,1-Dichloroethene	1.16		0.188	0.500	1	04/10/2018 19:05	WG1096032
cis-1,2-Dichloroethene	176		0.0933	0.500	1	04/10/2018 19:05	WG1096032
trans-1,2-Dichloroethene	1.02		0.152	0.500	1	04/10/2018 19:05	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 19:05	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 19:05	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 19:05	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 19:05	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 19:05	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 19:05	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 19:05	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 19:05	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 19:05	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 19:05	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 19:05	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 19:05	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 19:05	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 19:05	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 19:05	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 19:05	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 19:05	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 19:05	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 19:05	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 19:05	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 19:05	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 19:05	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 19:05	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 19:05	WG1096032
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 19:05	WG1096032
Tetrachloroethene	0.541		0.199	0.500	1	04/10/2018 19:05	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 19:05	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 19:05	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 19:05	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 19:05	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 19:05	WG1096032
Trichloroethene	2.00		0.153	0.500	1	04/10/2018 19:05	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 19:05	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 19:05	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 19:05	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 19:05	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 19:05	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/10/2018 19:05	WG1096032
Vinyl chloride	32.3		0.118	0.500	1	04/10/2018 19:05	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 19:05	WG1096032
(S) Toluene-d8	*105*			*80.0-120*		*04/10/2018 19:05*	WG1096032
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 19:05*	WG1096032
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 19:05*	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	7.35	J J0	1.05	25.0	1	04/10/2018 19:25	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 19:25	WG1096032
Benzene	U		0.0896	0.500	1	04/10/2018 19:25	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 19:25	WG1096032
Bromodichloromethane	U	J0	0.0800	0.500	1	04/10/2018 19:25	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 19:25	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 19:25	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 19:25	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 19:25	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 19:25	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 19:25	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 19:25	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 19:25	WG1096032
Chlorobenzene	U		0.140	0.500	1	04/10/2018 19:25	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 19:25	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 19:25	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 19:25	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 19:25	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 19:25	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 19:25	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 19:25	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 19:25	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 19:25	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 19:25	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 19:25	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 19:25	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 19:25	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 19:25	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 19:25	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 19:25	WG1096032
cis-1,2-Dichloroethene	19.4		0.0933	0.500	1	04/10/2018 19:25	WG1096032
trans-1,2-Dichloroethene	0.174	J	0.152	0.500	1	04/10/2018 19:25	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 19:25	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 19:25	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 19:25	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 19:25	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 19:25	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 19:25	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 19:25	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 19:25	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 19:25	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 19:25	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 19:25	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 19:25	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 19:25	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 19:25	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 19:25	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 19:25	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 19:25	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 19:25	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 19:25	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 19:25	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 19:25	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 19:25	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 19:25	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 19:25	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 19:25	WG1096032
Tetrachloroethene	4.71		0.199	0.500	1	04/10/2018 19:25	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 19:25	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 19:25	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 19:25	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 19:25	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 19:25	WG1096032
Trichloroethene	2.42		0.153	0.500	1	04/10/2018 19:25	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 19:25	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 19:25	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 19:25	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 19:25	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 19:25	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 19:25	WG1096032
Vinyl chloride	3.66		0.118	0.500	1	04/10/2018 19:25	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 19:25	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 19:25*	WG1096032
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 19:25*	WG1096032
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/10/2018 19:25*	WG1096032

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 17:30	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-122*		*04/11/2018 17:30*	WG1096478

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	J0	1.05	25.0	1	04/10/2018 16:44	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 16:44	WG1096032
Benzene	U		0.0896	0.500	1	04/10/2018 16:44	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 16:44	WG1096032
Bromodichloromethane	U	J0	0.0800	0.500	1	04/10/2018 16:44	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 16:44	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 16:44	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 16:44	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 16:44	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 16:44	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 16:44	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 16:44	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 16:44	WG1096032
Chlorobenzene	U		0.140	0.500	1	04/10/2018 16:44	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 16:44	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 16:44	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 16:44	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 16:44	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 16:44	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 16:44	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 16:44	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 16:44	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 16:44	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 16:44	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 16:44	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 16:44	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 16:44	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 16:44	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 16:44	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 16:44	WG1096032
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 16:44	WG1096032
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 16:44	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 16:44	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 16:44	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 16:44	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 16:44	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 16:44	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 16:44	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 16:44	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 16:44	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 16:44	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 16:44	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 16:44	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 16:44	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 16:44	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 16:44	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 16:44	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 16:44	WG1096032

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/10/2018 16:44	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 16:44	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 16:44	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 16:44	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 16:44	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 16:44	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 16:44	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 16:44	WG1096032
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 16:44	WG1096032
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 16:44	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 16:44	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 16:44	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 16:44	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 16:44	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 16:44	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 16:44	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 16:44	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 16:44	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 16:44	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 16:44	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 16:44	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 16:44	WG1096032
Vinyl chloride	U		0.118	0.500	1	04/10/2018 16:44	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 16:44	WG1096032
(S) Toluene-d8	*107*			*80.0-120*		*04/10/2018 16:44*	WG1096032
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/10/2018 16:44*	WG1096032
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/10/2018 16:44*	WG1096032

L984469-01 Original Sample (OS) • Duplicate (DUP)

(OS) L984469-01 04/11/18 14:50 • (DUP) R3301066-2 04/11/18 14:57

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	U	0.000	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L984275-07 Original Sample (OS) • Duplicate (DUP)

(OS) L984275-07 04/11/18 19:51 • (DUP) R3301066-5 04/11/18 19:57

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	224000	226000	1	0.644		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301066-4 04/11/18 19:01 • (LCSD) R3301066-6 04/11/18 20:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	106000	108000	106	108	85.0-115			1.72	20

Sample Narrative:

LCS: Endpoint pH 4.5

LCSD: Endpoint pH 4.5

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3300820-1 04/10/18 14:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	61.3	J	51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L984275-07 Original Sample (OS) • Duplicate (DUP)

(OS) L984275-07 04/10/18 17:44 • (DUP) R3300820-4 04/10/18 17:56

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17200	17200	1	0.120		15
Nitrate	U	0.000	1	0.000		15
Sulfate	594	566	1	4.71	J	15

L984303-05 Original Sample (OS) • Duplicate (DUP)

(OS) L984303-05 04/10/18 20:38 • (DUP) R3300820-7 04/10/18 21:15

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	37800	37700	1	0.0739		15
Nitrate	U	0.000	1	0.000		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3300820-2 04/10/18 14:38 • (LCSD) R3300820-3 04/10/18 14:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40000	40000	40000	100	100	80.0-120			0.0282	15
Nitrate	8000	8210	8200	103	103	80.0-120			0.0548	15
Sulfate	40000	40100	40100	100	100	80.0-120			0.00947	15

L984275-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984275-07 04/10/18 17:44 • (MS) R3300820-5 04/10/18 18:09 • (MSD) R3300820-6 04/10/18 18:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	17200	67400	67700	100	101	1	80.0-120			0.480	15
Nitrate	5000	U	4940	5010	98.8	100	1	80.0-120			1.51	15

L984275-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984275-07 04/10/18 17:44 • (MS) R3300820-5 04/10/18 18:09 • (MSD) R3300820-6 04/10/18 18:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	594	50600	50800	100	100	1	80.0-120			0.406	15

L984303-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L984303-05 04/10/18 20:38 • (MS) R3300820-8 04/10/18 21:27

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	37800	86400	97.2	1	80.0-120	
Nitrate	5000	U	4840	96.7	1	80.0-120	

Method Blank (MB)

(MB) R3300523-1 04/10/18 08:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	U		102	1000

L983395-03 Original Sample (OS) • Duplicate (DUP)

(OS) L983395-03 04/10/18 11:08 • (DUP) R3300523-3 04/10/18 11:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	11800	11900	1	0.846		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3300523-2 04/10/18 10:12 • (LCSD) R3300523-4 04/10/18 12:18

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
TOC (Total Organic Carbon)	75000	69100	68500	92.1	91.3	85.0-115			0.800	20

L984100-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984100-11 04/10/18 15:31 • (MS) R3300523-5 04/10/18 15:48 • (MSD) R3300523-6 04/10/18 16:08

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	1080	48100	48400	94.0	94.6	1	80.0-120			0.705	20

Method Blank (MB)

(MB) R3301947-1 04/15/18 08:44

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301947-2 04/15/18 08:49 • (LCSD) R3301947-3 04/15/18 08:54

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	5000	5270	5230	105	105	80.0-120			0.850	20
Manganese	50.0	51.4	50.7	103	101	80.0-120			1.35	20

L984054-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984054-07 04/15/18 08:58 • (MS) R3301947-5 04/15/18 09:08 • (MSD) R3301947-6 04/15/18 09:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	77.3	5040	5000	99.2	98.4	1	75.0-125			0.833	20
Manganese	50.0	6.50	54.5	54.0	96.0	95.0	1	75.0-125			0.953	20

Method Blank (MB)

(MB) R3301054-5 04/10/18 21:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301054-3 04/10/18 20:51 • (LCSD) R3301054-4 04/10/18 21:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4840	4880	88.1	88.8	72.0-134			0.756	20
(S) a,a,a-Trifluorotoluene(FID)				*85.8*	*88.4*	*77.0-122*				

Method Blank (MB)

(MB) R3301440-3 04/11/18 10:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	35.2	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*98.7*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301440-1 04/11/18 08:47 • (LCSD) R3301440-2 04/11/18 09:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	5500	5570	100	101	72.0-134			1.15	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*106*	*77.0-122*				

Method Blank (MB)

(MB) R3302176-1 04/16/18 09:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L985376-06 Original Sample (OS) • Duplicate (DUP)

(OS) L985376-06 04/16/18 11:12 • (DUP) R3302176-2 04/16/18 11:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L985479-21 Original Sample (OS) • Duplicate (DUP)

(OS) L985479-21 04/16/18 12:07 • (DUP) R3302176-3 04/16/18 12:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	U	0.000	1	0.000		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302176-4 04/16/18 12:22 • (LCSD) R3302176-5 04/16/18 12:25

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	71.6	73.7	106	109	85.0-115			2.92	20
Ethane	129	114	116	88.6	89.8	85.0-115			1.35	20
Ethene	127	117	120	91.9	94.2	85.0-115			2.45	20

Method Blank (MB)

(MB) R3300576-3 04/10/18 13:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Bromobenzene	U		0.133	0.500
Benzene	U		0.0896	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorodibromomethane	U		0.128	0.500
Chlorobenzene	U		0.140	0.500
Chloroethane	U		0.141	2.50
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
Chloroform	U		0.0860	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,4-Dichlorobenzene	U		0.121	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3300576-3 04/10/18 13:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
Ethylbenzene	U		0.158	0.500
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Hexachloro-1,3-butadiene	U		0.157	1.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	0.517	J	0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
2-Butanone (MEK)	U		1.28	5.00
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
Trichloroethene	U		0.153	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*103*			*76.0-123*
(S) 4-Bromofluorobenzene	*105*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3300576-1 04/10/18 12:07 • (LCSD) R3300576-2 04/10/18 12:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	95.1	99.2	76.1	79.4	10.0-160			4.25	23
Acrylonitrile	125	166	161	133	129	60.0-142			3.41	20
Bromobenzene	25.0	23.5	23.5	93.8	93.8	79.0-120			0.0219	20
Bromodichloromethane	25.0	19.5	19.3	78.1	77.1	76.0-120			1.30	20
Bromochloromethane	25.0	28.2	27.8	113	111	76.0-122			1.59	20
Bromoform	25.0	27.2	26.7	109	107	67.0-132			1.83	20
Bromomethane	25.0	20.2	21.2	80.8	85.0	18.0-160			5.01	20
n-Butylbenzene	25.0	22.8	22.5	91.3	90.1	72.0-126			1.29	20
sec-Butylbenzene	25.0	24.0	23.7	96.1	94.9	74.0-121			1.34	20
tert-Butylbenzene	25.0	24.5	24.8	97.8	99.3	75.0-122			1.49	20
Carbon disulfide	25.0	22.4	21.5	89.4	86.1	55.0-127			3.76	20
Chlorodibromomethane	25.0	27.0	26.3	108	105	75.0-125			2.43	20
Chloroethane	25.0	25.3	25.7	101	103	47.0-152			1.35	20
Chloromethane	25.0	22.8	23.2	91.2	92.9	48.0-139			1.83	20
2-Chlorotoluene	25.0	23.9	23.4	95.6	93.4	74.0-122			2.28	20
4-Chlorotoluene	25.0	22.7	23.0	90.7	92.0	79.0-120			1.37	20
1,2-Dibromo-3-Chloropropane	25.0	25.1	25.7	100	103	64.0-127			2.53	20
1,2-Dibromoethane	25.0	28.1	27.1	113	109	77.0-123			3.67	20
Dibromomethane	25.0	24.6	24.0	98.4	95.9	78.0-120			2.61	20
1,2-Dichlorobenzene	25.0	26.5	26.2	106	105	80.0-120			0.862	20
1,3-Dichlorobenzene	25.0	24.8	24.6	99.2	98.5	72.0-123			0.657	20
Dichlorodifluoromethane	25.0	21.7	20.9	86.7	83.5	49.0-155			3.77	20
1,1-Dichloroethane	25.0	27.0	26.2	108	105	70.0-126			3.10	20
cis-1,2-Dichloroethene	25.0	24.2	23.9	96.9	95.6	73.0-120			1.35	20
trans-1,2-Dichloroethene	25.0	24.3	23.9	97.3	95.7	71.0-121			1.64	20
1,2-Dichloropropane	25.0	24.7	24.6	98.8	98.3	75.0-125			0.585	20
1,1-Dichloropropene	25.0	25.8	25.8	103	103	71.0-129			0.211	20
1,3-Dichloropropane	25.0	26.5	25.8	106	103	80.0-121			2.34	20
cis-1,3-Dichloropropene	25.0	27.6	27.3	110	109	79.0-123			0.823	20
trans-1,3-Dichloropropene	25.0	26.8	26.4	107	106	74.0-127			1.52	20
trans-1,4-Dichloro-2-butene	25.0	28.4	28.8	114	115	55.0-134			1.37	20
2,2-Dichloropropane	25.0	22.9	21.8	91.7	87.1	60.0-125			5.16	20
Di-isopropyl ether	25.0	25.8	25.5	103	102	59.0-133			1.03	20
2-Hexanone	125	147	143	118	115	58.0-147			2.41	20
n-Hexane	25.0	24.0	23.0	95.9	91.8	56.0-124			4.30	20
Iodomethane	125	103	127	82.3	102	57.0-140		J3	21.2	20
Isopropylbenzene	25.0	25.8	24.8	103	99.3	75.0-120			3.70	20
p-Isopropyltoluene	25.0	24.5	24.5	98.0	98.0	74.0-126			0.0818	20
Methylene Chloride	25.0	23.4	23.3	93.5	93.2	66.0-121			0.269	20
4-Methyl-2-pentanone (MIBK)	125	144	139	115	111	59.0-143			3.63	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3300576-1 04/10/18 12:07 • (LCSD) R3300576-2 04/10/18 12:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Carbon tetrachloride	25.0	25.3	24.5	101	97.9	63.0-122			3.51	20
Benzene	25.0	24.0	23.5	95.9	93.9	69.0-123			2.16	20
Chlorobenzene	25.0	26.1	25.4	104	102	79.0-121			2.46	20
Methyl tert-butyl ether	25.0	23.3	22.5	93.1	90.2	64.0-123			3.18	20
Naphthalene	25.0	25.9	26.5	104	106	62.0-128			2.24	20
n-Propylbenzene	25.0	24.7	24.5	98.8	97.8	79.0-120			1.02	20
Styrene	25.0	25.1	24.7	101	98.9	78.0-124			1.67	20
1,1,1,2-Tetrachloroethane	25.0	25.0	24.7	100	98.7	75.0-122			1.47	20
Chloroform	25.0	23.0	22.6	92.1	90.5	72.0-121			1.76	20
1,1,2,2-Tetrachloroethane	25.0	24.4	24.1	97.6	96.4	71.0-122			1.23	20
1,1,2-Trichlorotrifluoroethane	25.0	26.4	25.6	106	102	61.0-136			3.05	20
1,2,3-Trichlorobenzene	25.0	26.2	26.7	105	107	61.0-133			2.15	20
1,2,4-Trichlorobenzene	25.0	26.4	27.7	105	111	69.0-129			4.92	20
1,1,1-Trichloroethane	25.0	22.0	22.1	88.1	88.6	68.0-122			0.498	20
1,1,2-Trichloroethane	25.0	24.2	24.4	96.9	97.6	78.0-120			0.729	20
1,4-Dichlorobenzene	25.0	25.1	25.0	100	99.8	77.0-120			0.625	20
Trichlorofluoromethane	25.0	25.5	24.3	102	97.3	56.0-137			4.59	20
1,2,3-Trichloropropane	25.0	28.2	27.1	113	108	72.0-124			3.94	20
1,2,4-Trimethylbenzene	25.0	23.3	23.0	93.2	91.9	75.0-120			1.48	20
1,2,3-Trimethylbenzene	25.0	25.3	25.1	101	100	75.0-120			0.824	20
1,2-Dichloroethane	25.0	26.1	26.2	105	105	67.0-126			0.0337	20
1,3,5-Trimethylbenzene	25.0	23.8	23.7	95.0	94.9	75.0-120			0.157	20
1,1-Dichloroethene	25.0	23.8	22.8	95.2	91.2	64.0-129			4.33	20
Vinyl acetate	125	174	173	139	138	46.0-160			0.569	20
Hexachloro-1,3-butadiene	25.0	21.7	22.4	86.9	89.6	64.0-131			3.00	20
2-Butanone (MEK)	125	127	124	101	99.5	37.0-158			1.98	20
Ethylbenzene	25.0	25.5	24.8	102	99.2	77.0-120			2.62	20
Tetrachloroethene	25.0	26.8	26.1	107	104	70.0-127			2.66	20
Trichloroethene	25.0	25.3	25.3	101	101	78.0-120			0.300	20
Vinyl chloride	25.0	29.1	27.8	117	111	64.0-133			4.85	20
Toluene	25.0	24.1	23.5	96.2	93.9	77.0-120			2.43	20
Xylenes, Total	75.0	74.8	73.8	99.7	98.4	77.0-120			1.35	20
(S) Toluene-d8				*108*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*99.5*	*76.0-123*				
(S) 4-Bromofluorobenzene				*105*	*107*	*80.0-120*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

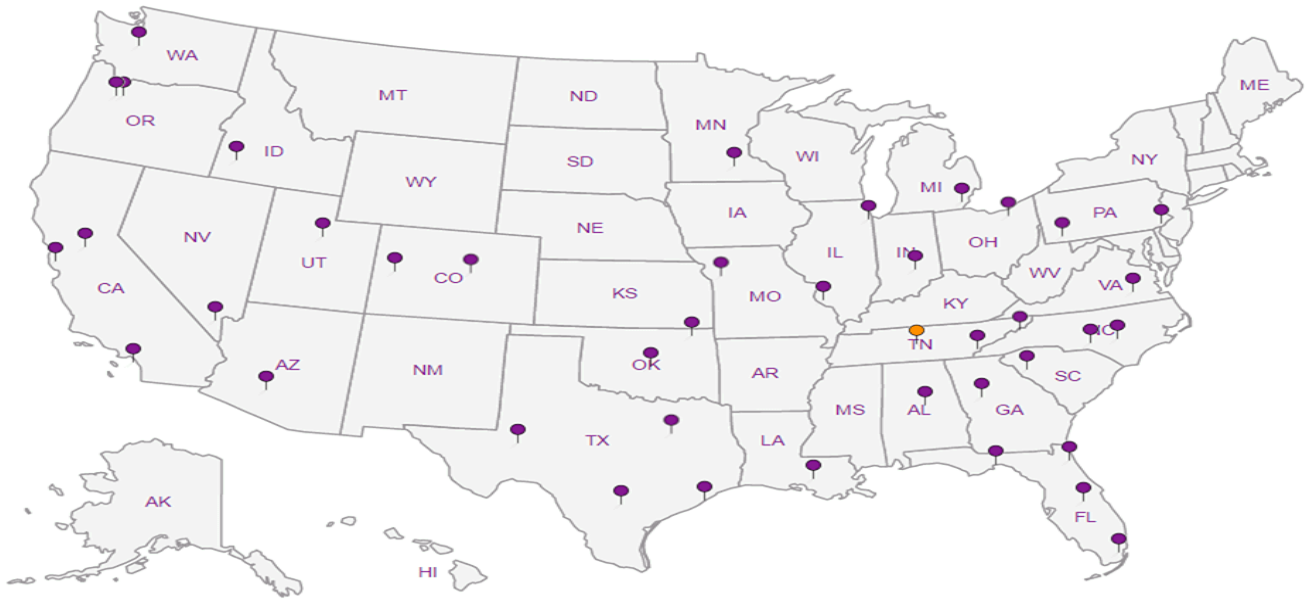
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Lichen Supply

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Chain of Custody Page 1 of 1

ESC LABS — a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L984275

Tab C070

Acctnum: PESENVSWA
Template: T134175
Prelogin: P645197
TSR: 110 - Brian Ford
PB: 3-22-18 CS

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
MW128-040918	Grab	GW		4/9/18	1046	3						X		-01
MW-214-040918		GW		4/9/18	1147	3						X		-02
SMW-3-040918		GW		4/9/18	1230	3						X		-03
MW110-040918		GW		4/9/18	1418	3						X		-04
MW107-040918		GW		4/9/18	0935	11	X	X	X	X	X	X		-05
MW120-040918		GW		4/9/18	1149	11	X	X	X	X	X	X		-06
MW104-040918		GW		4/9/18	1346	11	X	X	X	X	X	X		-07
IW-28B-040918		GW		4/9/18	1553	3						X		-08
TRIP BLANK	↓	GW				1	X	X	X	X	X	X		-09
		GW												

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier __ _____

Tracking # 4269 9216 6702

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 5.3 °C Bottles Received: 48

Date: 4/10/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition NCF / OK

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U UJ	J0	1.05	25.0	1	04/10/2018 17:04	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 17:04	WG1096032
Benzene	28.3		0.0896	0.500	1	04/10/2018 17:04	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 17:04	WG1096032
Bromodichloromethane	U UJ	J0	0.0800	0.500	1	04/10/2018 17:04	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 17:04	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 17:04	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 17:04	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 17:04	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 17:04	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 17:04	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 17:04	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 17:04	WG1096032
Chlorobenzene	U		0.140	0.500	1	04/10/2018 17:04	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 17:04	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 17:04	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 17:04	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 17:04	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 17:04	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 17:04	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 17:04	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 17:04	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 17:04	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 17:04	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 17:04	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 17:04	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 17:04	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 17:04	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 17:04	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 17:04	WG1096032
cis-1,2-Dichloroethene	3.07		0.0933	0.500	1	04/10/2018 17:04	WG1096032
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 17:04	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 17:04	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 17:04	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 17:04	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 17:04	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 17:04	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 17:04	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 17:04	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 17:04	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 17:04	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 17:04	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 17:04	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 17:04	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 17:04	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 17:04	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 17:04	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 17:04	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 17:04	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 17:04	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 17:04	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 17:04	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 17:04	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 17:04	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 17:04	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 17:04	WG1096032

JC 4/24/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 17:04	WG1096032
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 17:04	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 17:04	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 17:04	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 17:04	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 17:04	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 17:04	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 17:04	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 17:04	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 17:04	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 17:04	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 17:04	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 17:04	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 17:04	WG1096032
Vinyl chloride	31.0		0.118	0.500	1	04/10/2018 17:04	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 17:04	WG1096032
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 17:04*	WG1096032
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/10/2018 17:04*	WG1096032
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 17:04*	WG1096032

JC 4/24/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U UJ	J0	1.05	25.0	1	04/10/2018 17:24	WG1096032	
Acrylonitrile	U		0.873	5.00	1	04/10/2018 17:24	WG1096032	
Benzene	U		0.0896	0.500	1	04/10/2018 17:24	WG1096032	
Bromobenzene	U		0.133	0.500	1	04/10/2018 17:24	WG1096032	
Bromodichloromethane	U UJ	J0	0.0800	0.500	1	04/10/2018 17:24	WG1096032	
Bromochloromethane	U		0.145	0.500	1	04/10/2018 17:24	WG1096032	
Bromoform	U		0.186	0.500	1	04/10/2018 17:24	WG1096032	
Bromomethane	U		0.157	2.50	1	04/10/2018 17:24	WG1096032	
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 17:24	WG1096032	
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 17:24	WG1096032	
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 17:24	WG1096032	
Carbon disulfide	U		0.101	0.500	1	04/10/2018 17:24	WG1096032	
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 17:24	WG1096032	
Chlorobenzene	U		0.140	0.500	1	04/10/2018 17:24	WG1096032	
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 17:24	WG1096032	
Chloroethane	U		0.141	2.50	1	04/10/2018 17:24	WG1096032	
Chloroform	U		0.0860	0.500	1	04/10/2018 17:24	WG1096032	
Chloromethane	U		0.153	1.25	1	04/10/2018 17:24	WG1096032	
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 17:24	WG1096032	
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 17:24	WG1096032	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 17:24	WG1096032	
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 17:24	WG1096032	
Dibromomethane	U		0.117	0.500	1	04/10/2018 17:24	WG1096032	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 17:24	WG1096032	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 17:24	WG1096032	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 17:24	WG1096032	
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 17:24	WG1096032	
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 17:24	WG1096032	
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 17:24	WG1096032	
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 17:24	WG1096032	
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 17:24	WG1096032	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 17:24	WG1096032	
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 17:24	WG1096032	
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 17:24	WG1096032	
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 17:24	WG1096032	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 17:24	WG1096032	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 17:24	WG1096032	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 17:24	WG1096032	
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 17:24	WG1096032	
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 17:24	WG1096032	
Ethylbenzene	U		0.158	0.500	1	04/10/2018 17:24	WG1096032	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 17:24	WG1096032	
2-Hexanone	U		0.757	5.00	1	04/10/2018 17:24	WG1096032	
n-Hexane	U		0.305	5.00	1	04/10/2018 17:24	WG1096032	
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 17:24	WG1096032	
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 17:24	WG1096032	
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 17:24	WG1096032	
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 17:24	WG1096032	
Methylene Chloride	U		1.07	2.50	1	04/10/2018 17:24	WG1096032	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 17:24	WG1096032	
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 17:24	WG1096032	JC 4/24/18
Naphthalene	U		0.174	2.50	1	04/10/2018 17:24	WG1096032	
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 17:24	WG1096032	
Styrene	U		0.117	0.500	1	04/10/2018 17:24	WG1096032	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 17:24	WG1096032	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 17:24	WG1096032	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 17:24	WG1096032
Tetrachloroethene	0.725		0.199	0.500	1	04/10/2018 17:24	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 17:24	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 17:24	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 17:24	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 17:24	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 17:24	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 17:24	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 17:24	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 17:24	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 17:24	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 17:24	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 17:24	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 17:24	WG1096032
Vinyl chloride	U		0.118	0.500	1	04/10/2018 17:24	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 17:24	WG1096032
(S) Toluene-d8	*103*			*80.0-120*		*04/10/2018 17:24*	WG1096032
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/10/2018 17:24*	WG1096032
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*04/10/2018 17:24*	WG1096032

JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l			ug/l	ug/l		date / time		
Acetone	U	UJ	J0	1.05	25.0	1	04/10/2018 17:44	WG1096032	
Acrylonitrile	U			0.873	5.00	1	04/10/2018 17:44	WG1096032	
Benzene	U			0.0896	0.500	1	04/10/2018 17:44	WG1096032	
Bromobenzene	U			0.133	0.500	1	04/10/2018 17:44	WG1096032	
Bromodichloromethane	U	UJ	J0	0.0800	0.500	1	04/10/2018 17:44	WG1096032	
Bromochloromethane	U			0.145	0.500	1	04/10/2018 17:44	WG1096032	
Bromoform	U			0.186	0.500	1	04/10/2018 17:44	WG1096032	
Bromomethane	U			0.157	2.50	1	04/10/2018 17:44	WG1096032	
n-Butylbenzene	U			0.143	0.500	1	04/10/2018 17:44	WG1096032	
sec-Butylbenzene	U			0.134	0.500	1	04/10/2018 17:44	WG1096032	
tert-Butylbenzene	U			0.183	0.500	1	04/10/2018 17:44	WG1096032	
Carbon disulfide	U			0.101	0.500	1	04/10/2018 17:44	WG1096032	
Carbon tetrachloride	U			0.159	0.500	1	04/10/2018 17:44	WG1096032	
Chlorobenzene	U			0.140	0.500	1	04/10/2018 17:44	WG1096032	
Chlorodibromomethane	U			0.128	0.500	1	04/10/2018 17:44	WG1096032	
Chloroethane	U			0.141	2.50	1	04/10/2018 17:44	WG1096032	
Chloroform	U			0.0860	0.500	1	04/10/2018 17:44	WG1096032	
Chloromethane	U			0.153	1.25	1	04/10/2018 17:44	WG1096032	
2-Chlorotoluene	U			0.111	0.500	1	04/10/2018 17:44	WG1096032	
4-Chlorotoluene	U			0.0972	0.500	1	04/10/2018 17:44	WG1096032	
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/10/2018 17:44	WG1096032	
1,2-Dibromoethane	U			0.193	0.500	1	04/10/2018 17:44	WG1096032	
Dibromomethane	U			0.117	0.500	1	04/10/2018 17:44	WG1096032	
1,2-Dichlorobenzene	U			0.101	0.500	1	04/10/2018 17:44	WG1096032	
1,3-Dichlorobenzene	U			0.130	0.500	1	04/10/2018 17:44	WG1096032	
1,4-Dichlorobenzene	U			0.121	0.500	1	04/10/2018 17:44	WG1096032	
Dichlorodifluoromethane	U			0.127	2.50	1	04/10/2018 17:44	WG1096032	
1,1-Dichloroethane	U			0.114	0.500	1	04/10/2018 17:44	WG1096032	
1,2-Dichloroethane	U			0.108	0.500	1	04/10/2018 17:44	WG1096032	
1,1-Dichloroethene	U			0.188	0.500	1	04/10/2018 17:44	WG1096032	
cis-1,2-Dichloroethene	U			0.0933	0.500	1	04/10/2018 17:44	WG1096032	
trans-1,2-Dichloroethene	U			0.152	0.500	1	04/10/2018 17:44	WG1096032	
1,2-Dichloropropane	U			0.190	0.500	1	04/10/2018 17:44	WG1096032	
1,1-Dichloropropene	U			0.128	0.500	1	04/10/2018 17:44	WG1096032	
1,3-Dichloropropane	U			0.147	1.00	1	04/10/2018 17:44	WG1096032	
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/10/2018 17:44	WG1096032	
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/10/2018 17:44	WG1096032	
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/10/2018 17:44	WG1096032	
2,2-Dichloropropane	U			0.0929	0.500	1	04/10/2018 17:44	WG1096032	
Di-isopropyl ether	U			0.0924	0.500	1	04/10/2018 17:44	WG1096032	
Ethylbenzene	U			0.158	0.500	1	04/10/2018 17:44	WG1096032	
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/10/2018 17:44	WG1096032	
2-Hexanone	U			0.757	5.00	1	04/10/2018 17:44	WG1096032	
n-Hexane	U			0.305	5.00	1	04/10/2018 17:44	WG1096032	
Iodomethane	U		J3	0.377	10.0	1	04/10/2018 17:44	WG1096032	
Isopropylbenzene	U			0.126	0.500	1	04/10/2018 17:44	WG1096032	
p-Isopropyltoluene	U			0.138	0.500	1	04/10/2018 17:44	WG1096032	
2-Butanone (MEK)	U			1.28	5.00	1	04/10/2018 17:44	WG1096032	JC 4/24/18
Methylene Chloride	U			1.07	2.50	1	04/10/2018 17:44	WG1096032	
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/10/2018 17:44	WG1096032	
Methyl tert-butyl ether	U			0.102	0.500	1	04/10/2018 17:44	WG1096032	
Naphthalene	U			0.174	2.50	1	04/10/2018 17:44	WG1096032	
n-Propylbenzene	U			0.162	0.500	1	04/10/2018 17:44	WG1096032	
Styrene	U			0.117	0.500	1	04/10/2018 17:44	WG1096032	
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/10/2018 17:44	WG1096032	
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/10/2018 17:44	WG1096032	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 17:44	WG1096032
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 17:44	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 17:44	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 17:44	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 17:44	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 17:44	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 17:44	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 17:44	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 17:44	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 17:44	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 17:44	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 17:44	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 17:44	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 17:44	WG1096032
Vinyl chloride	U		0.118	0.500	1	04/10/2018 17:44	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 17:44	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 17:44*	WG1096032
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 17:44*	WG1096032
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 17:44*	WG1096032

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.55 J	J J0	1.05	25.0	1	04/10/2018 18:04	WG1096032	
Acrylonitrile	U		0.873	5.00	1	04/10/2018 18:04	WG1096032	
Benzene	U		0.0896	0.500	1	04/10/2018 18:04	WG1096032	
Bromobenzene	U		0.133	0.500	1	04/10/2018 18:04	WG1096032	
Bromodichloromethane	U UJ	J0	0.0800	0.500	1	04/10/2018 18:04	WG1096032	
Bromochloromethane	U		0.145	0.500	1	04/10/2018 18:04	WG1096032	
Bromoform	U		0.186	0.500	1	04/10/2018 18:04	WG1096032	
Bromomethane	U		0.157	2.50	1	04/10/2018 18:04	WG1096032	
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 18:04	WG1096032	
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 18:04	WG1096032	
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 18:04	WG1096032	
Carbon disulfide	U		0.101	0.500	1	04/10/2018 18:04	WG1096032	
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 18:04	WG1096032	
Chlorobenzene	U		0.140	0.500	1	04/10/2018 18:04	WG1096032	
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 18:04	WG1096032	
Chloroethane	U		0.141	2.50	1	04/10/2018 18:04	WG1096032	
Chloroform	U		0.0860	0.500	1	04/10/2018 18:04	WG1096032	
Chloromethane	U		0.153	1.25	1	04/10/2018 18:04	WG1096032	
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 18:04	WG1096032	
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 18:04	WG1096032	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 18:04	WG1096032	
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 18:04	WG1096032	
Dibromomethane	U		0.117	0.500	1	04/10/2018 18:04	WG1096032	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 18:04	WG1096032	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 18:04	WG1096032	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 18:04	WG1096032	
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 18:04	WG1096032	
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 18:04	WG1096032	
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 18:04	WG1096032	
1,1-Dichloroethene	5.17		0.188	0.500	1	04/10/2018 18:04	WG1096032	
cis-1,2-Dichloroethene	675		1.87	10.0	20	04/11/2018 18:13	WG1096032	
trans-1,2-Dichloroethene	3.72		0.152	0.500	1	04/10/2018 18:04	WG1096032	
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 18:04	WG1096032	
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 18:04	WG1096032	
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 18:04	WG1096032	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 18:04	WG1096032	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 18:04	WG1096032	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 18:04	WG1096032	
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 18:04	WG1096032	
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 18:04	WG1096032	
Ethylbenzene	U		0.158	0.500	1	04/10/2018 18:04	WG1096032	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 18:04	WG1096032	
2-Hexanone	U		0.757	5.00	1	04/10/2018 18:04	WG1096032	
n-Hexane	U		0.305	5.00	1	04/10/2018 18:04	WG1096032	
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 18:04	WG1096032	
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 18:04	WG1096032	
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 18:04	WG1096032	
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 18:04	WG1096032	
Methylene Chloride	U		1.07	2.50	1	04/10/2018 18:04	WG1096032	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 18:04	WG1096032	
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 18:04	WG1096032	
Naphthalene	U		0.174	2.50	1	04/10/2018 18:04	WG1096032	
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 18:04	WG1096032	
Styrene	0.164 J	J	0.117	0.500	1	04/10/2018 18:04	WG1096032	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 18:04	WG1096032	JC 4/24/18
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 18:04	WG1096032	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 18:04	WG1096032
Tetrachloroethene	375		3.98	10.0	20	04/11/2018 18:13	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 18:04	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 18:04	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 18:04	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 18:04	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 18:04	WG1096032
Trichloroethene	253		3.06	10.0	20	04/11/2018 18:13	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 18:04	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 18:04	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 18:04	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 18:04	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 18:04	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 18:04	WG1096032
Vinyl chloride	3.54		0.118	0.500	1	04/10/2018 18:04	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 18:04	WG1096032
(S) Toluene-d8	*104*			*80.0-120*		*04/10/2018 18:04*	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/11/2018 18:13*	WG1096032
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/10/2018 18:04*	WG1096032
(S) Dibromofluoromethane	*91.6*			*76.0-123*		*04/11/2018 18:13*	WG1096032
(S) 4-Bromofluorobenzene	*79.6*	J2		*80.0-120*		*04/11/2018 18:13*	WG1096032
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/10/2018 18:04*	WG1096032

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	692000		2710	20000	1	04/12/2018 05:49	WG1096470

Sample Narrative:

L984275-05 WG1096470: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	67500		51.9	1000	1	04/10/2018 17:19	WG1096122
Nitrate	U		22.7	100	1	04/10/2018 17:19	WG1096122
Sulfate	3540 J	J	77.4	5000	1	04/10/2018 17:19	WG1096122

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	26300		1020	10000	10	04/10/2018 16:21	WG1095776

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4840		15.0	100	1	04/15/2018 10:24	WG1095826
Manganese	1210		0.250	5.00	1	04/15/2018 10:24	WG1095826

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	59.3 J	J	31.6	100	1	04/11/2018 04:24	WG1096307
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-122*		*04/11/2018 04:24*	WG1096307

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6700		0.287	0.678	1	04/16/2018 10:50	WG1098682
Ethane	44.2		0.296	1.29	1	04/16/2018 10:50	WG1098682
Ethene	38.1		0.422	1.27	1	04/16/2018 10:50	WG1098682

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.23 J	J J0	1.05	25.0	1	04/10/2018 18:24	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 18:24	WG1096032
Benzene	0.193 J	J	0.0896	0.500	1	04/10/2018 18:24	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 18:24	WG1096032
Bromodichloromethane	U UJ	J0	0.0800	0.500	1	04/10/2018 18:24	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 18:24	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 18:24	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 18:24	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 18:24	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 18:24	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 18:24	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 18:24	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 18:24	WG1096032

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.140	0.500	1	04/10/2018 18:24	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 18:24	WG1096032
Chloroethane	4.31		0.141	2.50	1	04/10/2018 18:24	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 18:24	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 18:24	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 18:24	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 18:24	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 18:24	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 18:24	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 18:24	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 18:24	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 18:24	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 18:24	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 18:24	WG1096032
cis-1,2-Dichloroethene	72.1		0.0933	0.500	1	04/11/2018 18:32	WG1096032
trans-1,2-Dichloroethene	10.5		0.152	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 18:24	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 18:24	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 18:24	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 18:24	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 18:24	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 18:24	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 18:24	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 18:24	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 18:24	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 18:24	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 18:24	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 18:24	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 18:24	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 18:24	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 18:24	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 18:24	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 18:24	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 18:24	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 18:24	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 18:24	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 18:24	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 18:24	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 18:24	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 18:24	WG1096032
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 18:24	WG1096032
Tetrachloroethene	0.879		0.199	0.500	1	04/11/2018 18:32	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 18:24	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 18:24	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 18:24	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 18:24	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 18:24	WG1096032
Trichloroethene	0.581		0.153	0.500	1	04/11/2018 18:32	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 18:24	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 18:24	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 18:24	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 18:24	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 18:24	WG1096032

JC 4/24/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/10/2018 18:24	WG1096032
Vinyl chloride	123		0.118	0.500	1	04/10/2018 18:24	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 18:24	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 18:24*	WG1096032
(S) Toluene-d8	*103*			*80.0-120*		*04/11/2018 18:32*	WG1096032
(S) Dibromofluoromethane	*91.2*			*76.0-123*		*04/11/2018 18:32*	WG1096032
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/10/2018 18:24*	WG1096032
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 18:24*	WG1096032
(S) 4-Bromofluorobenzene	*78.8*	J2		*80.0-120*		*04/11/2018 18:32*	WG1096032

JC 4/24/18

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	151000		2710	20000	1	04/11/2018 19:45	WG1096470

Sample Narrative:

L984275-06 WG1096470: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	30200		51.9	1000	1	04/10/2018 17:31	WG1096122
Nitrate	237		22.7	100	1	04/10/2018 17:31	WG1096122
Sulfate	66900		77.4	5000	1	04/10/2018 17:31	WG1096122

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1080		102	1000	1	04/10/2018 16:39	WG1095776

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1400		15.0	100	1	04/15/2018 10:43	WG1095826
Manganese	194		0.250	5.00	1	04/15/2018 10:43	WG1095826

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 04:45	WG1096307
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-122*		*04/11/2018 04:45*	WG1096307

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/16/2018 10:56	WG1098682
Ethane	U		0.296	1.29	1	04/16/2018 10:56	WG1098682
Ethene	U		0.422	1.27	1	04/16/2018 10:56	WG1098682

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.83 J	J J0	1.05	25.0	1	04/10/2018 18:45	WG1096032	
Acrylonitrile	U		0.873	5.00	1	04/10/2018 18:45	WG1096032	
Benzene	U		0.0896	0.500	1	04/10/2018 18:45	WG1096032	
Bromobenzene	U		0.133	0.500	1	04/10/2018 18:45	WG1096032	
Bromodichloromethane	U UJ	J0	0.0800	0.500	1	04/10/2018 18:45	WG1096032	
Bromochloromethane	U		0.145	0.500	1	04/10/2018 18:45	WG1096032	
Bromoform	U		0.186	0.500	1	04/10/2018 18:45	WG1096032	
Bromomethane	U		0.157	2.50	1	04/10/2018 18:45	WG1096032	
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 18:45	WG1096032	
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 18:45	WG1096032	
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 18:45	WG1096032	
Carbon disulfide	U		0.101	0.500	1	04/10/2018 18:45	WG1096032	JC 4/24/18
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 18:45	WG1096032	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.140	0.500	1	04/10/2018 18:45	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 18:45	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 18:45	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 18:45	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 18:45	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 18:45	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 18:45	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 18:45	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 18:45	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 18:45	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 18:45	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 18:45	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 18:45	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 18:45	WG1096032
1,1-Dichloroethane	0.471 J	J	0.114	0.500	1	04/10/2018 18:45	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 18:45	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 18:45	WG1096032
cis-1,2-Dichloroethene	0.811		0.0933	0.500	1	04/11/2018 18:51	WG1096032
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 18:45	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 18:45	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 18:45	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 18:45	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 18:45	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 18:45	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 18:45	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 18:45	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 18:45	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 18:45	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 18:45	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 18:45	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 18:45	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 18:45	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 18:45	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 18:45	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 18:45	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 18:45	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 18:45	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 18:45	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 18:45	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 18:45	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 18:45	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 18:45	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 18:45	WG1096032
1,1,2-Trichlorotrifluoroethane	0.501		0.164	0.500	1	04/10/2018 18:45	WG1096032
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 18:45	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 18:45	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 18:45	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 18:45	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 18:45	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 18:45	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 18:45	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 18:45	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 18:45	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 18:45	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 18:45	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 18:45	WG1096032

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/10/2018 18:45	WG1096032
Vinyl chloride	U		0.118	0.500	1	04/10/2018 18:45	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 18:45	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 18:45*	WG1096032
(S) Toluene-d8	*105*			*80.0-120*		*04/11/2018 18:51*	WG1096032
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/10/2018 18:45*	WG1096032
(S) Dibromofluoromethane	*90.9*			*76.0-123*		*04/11/2018 18:51*	WG1096032
(S) 4-Bromofluorobenzene	*82.9*			*80.0-120*		*04/11/2018 18:51*	WG1096032
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 18:45*	WG1096032

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	224000		2710	20000	1	04/11/2018 19:51	WG1096470

Sample Narrative:

L984275-07 WG1096470: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	17200		51.9	1000	1	04/10/2018 17:44	WG1096122
Nitrate	U		22.7	100	1	04/10/2018 17:44	WG1096122
Sulfate	594	J J	77.4	5000	1	04/10/2018 17:44	WG1096122

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7130 J	J	1020	10000	10	04/10/2018 17:16	WG1095776

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	793		15.0	100	1	04/15/2018 10:47	WG1095826
Manganese	263		0.250	5.00	1	04/15/2018 10:47	WG1095826

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	81.3 J	J	31.6	100	1	04/11/2018 05:06	WG1096307
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-122*		*04/11/2018 05:06*	WG1096307

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	398		0.287	0.678	1	04/16/2018 10:58	WG1098682
Ethane	U		0.296	1.29	1	04/16/2018 10:58	WG1098682
Ethene	5.71		0.422	1.27	1	04/16/2018 10:58	WG1098682

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	3.33 J	J J0	1.05	25.0	1	04/10/2018 19:05	WG1096032	
Acrylonitrile	U		0.873	5.00	1	04/10/2018 19:05	WG1096032	
Benzene	U		0.0896	0.500	1	04/10/2018 19:05	WG1096032	
Bromobenzene	U		0.133	0.500	1	04/10/2018 19:05	WG1096032	
Bromodichloromethane	U UJ	J0	0.0800	0.500	1	04/10/2018 19:05	WG1096032	
Bromochloromethane	U		0.145	0.500	1	04/10/2018 19:05	WG1096032	
Bromoform	U		0.186	0.500	1	04/10/2018 19:05	WG1096032	
Bromomethane	U		0.157	2.50	1	04/10/2018 19:05	WG1096032	
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 19:05	WG1096032	
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 19:05	WG1096032	
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 19:05	WG1096032	
Carbon disulfide	0.147 J	J	0.101	0.500	1	04/10/2018 19:05	WG1096032	JC 4/24/18
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 19:05	WG1096032	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Chlorobenzene	U		0.140	0.500	1	04/10/2018 19:05	WG1096032	
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 19:05	WG1096032	
Chloroethane	U		0.141	2.50	1	04/10/2018 19:05	WG1096032	
Chloroform	U		0.0860	0.500	1	04/10/2018 19:05	WG1096032	
Chloromethane	U		0.153	1.25	1	04/10/2018 19:05	WG1096032	
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 19:05	WG1096032	
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 19:05	WG1096032	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 19:05	WG1096032	
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 19:05	WG1096032	
Dibromomethane	U		0.117	0.500	1	04/10/2018 19:05	WG1096032	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 19:05	WG1096032	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 19:05	WG1096032	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 19:05	WG1096032	
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 19:05	WG1096032	
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 19:05	WG1096032	
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 19:05	WG1096032	
1,1-Dichloroethene	1.16		0.188	0.500	1	04/10/2018 19:05	WG1096032	
cis-1,2-Dichloroethene	176		0.0933	0.500	1	04/10/2018 19:05	WG1096032	
trans-1,2-Dichloroethene	1.02		0.152	0.500	1	04/10/2018 19:05	WG1096032	
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 19:05	WG1096032	
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 19:05	WG1096032	
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 19:05	WG1096032	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 19:05	WG1096032	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 19:05	WG1096032	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 19:05	WG1096032	
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 19:05	WG1096032	
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 19:05	WG1096032	
Ethylbenzene	U		0.158	0.500	1	04/10/2018 19:05	WG1096032	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 19:05	WG1096032	
2-Hexanone	U		0.757	5.00	1	04/10/2018 19:05	WG1096032	
n-Hexane	U		0.305	5.00	1	04/10/2018 19:05	WG1096032	
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 19:05	WG1096032	
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 19:05	WG1096032	
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 19:05	WG1096032	
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 19:05	WG1096032	
Methylene Chloride	U		1.07	2.50	1	04/10/2018 19:05	WG1096032	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 19:05	WG1096032	
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 19:05	WG1096032	
Naphthalene	U		0.174	2.50	1	04/10/2018 19:05	WG1096032	
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 19:05	WG1096032	
Styrene	U		0.117	0.500	1	04/10/2018 19:05	WG1096032	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 19:05	WG1096032	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 19:05	WG1096032	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 19:05	WG1096032	
Tetrachloroethene	0.541		0.199	0.500	1	04/10/2018 19:05	WG1096032	
Toluene	U		0.412	0.500	1	04/10/2018 19:05	WG1096032	
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 19:05	WG1096032	
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 19:05	WG1096032	
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 19:05	WG1096032	
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 19:05	WG1096032	
Trichloroethene	2.00		0.153	0.500	1	04/10/2018 19:05	WG1096032	
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 19:05	WG1096032	
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 19:05	WG1096032	
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 19:05	WG1096032	JC 4/24/18
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 19:05	WG1096032	
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 19:05	WG1096032	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/10/2018 19:05	WG1096032
Vinyl chloride	32.3		0.118	0.500	1	04/10/2018 19:05	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 19:05	WG1096032
(S) Toluene-d8	*105*			*80.0-120*		*04/10/2018 19:05*	WG1096032
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 19:05*	WG1096032
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 19:05*	WG1096032

JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l			ug/l	ug/l		date / time		
Acetone	7.35	J	J J0	1.05	25.0	1	04/10/2018 19:25	WG1096032	
Acrylonitrile	U			0.873	5.00	1	04/10/2018 19:25	WG1096032	
Benzene	U			0.0896	0.500	1	04/10/2018 19:25	WG1096032	
Bromobenzene	U			0.133	0.500	1	04/10/2018 19:25	WG1096032	
Bromodichloromethane	U	UJ	J0	0.0800	0.500	1	04/10/2018 19:25	WG1096032	
Bromochloromethane	U			0.145	0.500	1	04/10/2018 19:25	WG1096032	
Bromoform	U			0.186	0.500	1	04/10/2018 19:25	WG1096032	
Bromomethane	U			0.157	2.50	1	04/10/2018 19:25	WG1096032	
n-Butylbenzene	U			0.143	0.500	1	04/10/2018 19:25	WG1096032	
sec-Butylbenzene	U			0.134	0.500	1	04/10/2018 19:25	WG1096032	
tert-Butylbenzene	U			0.183	0.500	1	04/10/2018 19:25	WG1096032	
Carbon disulfide	U			0.101	0.500	1	04/10/2018 19:25	WG1096032	
Carbon tetrachloride	U			0.159	0.500	1	04/10/2018 19:25	WG1096032	
Chlorobenzene	U			0.140	0.500	1	04/10/2018 19:25	WG1096032	
Chlorodibromomethane	U			0.128	0.500	1	04/10/2018 19:25	WG1096032	
Chloroethane	U			0.141	2.50	1	04/10/2018 19:25	WG1096032	
Chloroform	U			0.0860	0.500	1	04/10/2018 19:25	WG1096032	
Chloromethane	U			0.153	1.25	1	04/10/2018 19:25	WG1096032	
2-Chlorotoluene	U			0.111	0.500	1	04/10/2018 19:25	WG1096032	
4-Chlorotoluene	U			0.0972	0.500	1	04/10/2018 19:25	WG1096032	
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/10/2018 19:25	WG1096032	
1,2-Dibromoethane	U			0.193	0.500	1	04/10/2018 19:25	WG1096032	
Dibromomethane	U			0.117	0.500	1	04/10/2018 19:25	WG1096032	
1,2-Dichlorobenzene	U			0.101	0.500	1	04/10/2018 19:25	WG1096032	
1,3-Dichlorobenzene	U			0.130	0.500	1	04/10/2018 19:25	WG1096032	
1,4-Dichlorobenzene	U			0.121	0.500	1	04/10/2018 19:25	WG1096032	
Dichlorodifluoromethane	U			0.127	2.50	1	04/10/2018 19:25	WG1096032	
1,1-Dichloroethane	U			0.114	0.500	1	04/10/2018 19:25	WG1096032	
1,2-Dichloroethane	U			0.108	0.500	1	04/10/2018 19:25	WG1096032	
1,1-Dichloroethene	U			0.188	0.500	1	04/10/2018 19:25	WG1096032	
cis-1,2-Dichloroethene	19.4			0.0933	0.500	1	04/10/2018 19:25	WG1096032	
trans-1,2-Dichloroethene	0.174	J	J	0.152	0.500	1	04/10/2018 19:25	WG1096032	
1,2-Dichloropropane	U			0.190	0.500	1	04/10/2018 19:25	WG1096032	
1,1-Dichloropropene	U			0.128	0.500	1	04/10/2018 19:25	WG1096032	
1,3-Dichloropropane	U			0.147	1.00	1	04/10/2018 19:25	WG1096032	
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/10/2018 19:25	WG1096032	
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/10/2018 19:25	WG1096032	
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/10/2018 19:25	WG1096032	
2,2-Dichloropropane	U			0.0929	0.500	1	04/10/2018 19:25	WG1096032	
Di-isopropyl ether	U			0.0924	0.500	1	04/10/2018 19:25	WG1096032	
Ethylbenzene	U			0.158	0.500	1	04/10/2018 19:25	WG1096032	
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/10/2018 19:25	WG1096032	
2-Hexanone	U			0.757	5.00	1	04/10/2018 19:25	WG1096032	
n-Hexane	U			0.305	5.00	1	04/10/2018 19:25	WG1096032	
Iodomethane	U		J3	0.377	10.0	1	04/10/2018 19:25	WG1096032	
Isopropylbenzene	U			0.126	0.500	1	04/10/2018 19:25	WG1096032	
p-Isopropyltoluene	U			0.138	0.500	1	04/10/2018 19:25	WG1096032	
2-Butanone (MEK)	U			1.28	5.00	1	04/10/2018 19:25	WG1096032	
Methylene Chloride	U			1.07	2.50	1	04/10/2018 19:25	WG1096032	
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/10/2018 19:25	WG1096032	
Methyl tert-butyl ether	U			0.102	0.500	1	04/10/2018 19:25	WG1096032	
Naphthalene	U			0.174	2.50	1	04/10/2018 19:25	WG1096032	
n-Propylbenzene	U			0.162	0.500	1	04/10/2018 19:25	WG1096032	
Styrene	U			0.117	0.500	1	04/10/2018 19:25	WG1096032	
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/10/2018 19:25	WG1096032	JC 4/24/18
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/10/2018 19:25	WG1096032	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 19:25	WG1096032
Tetrachloroethene	4.71		0.199	0.500	1	04/10/2018 19:25	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 19:25	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 19:25	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 19:25	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 19:25	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 19:25	WG1096032
Trichloroethene	2.42		0.153	0.500	1	04/10/2018 19:25	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 19:25	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 19:25	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 19:25	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 19:25	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 19:25	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 19:25	WG1096032
Vinyl chloride	3.66		0.118	0.500	1	04/10/2018 19:25	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 19:25	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 19:25*	WG1096032
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/10/2018 19:25*	WG1096032
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*04/10/2018 19:25*	WG1096032

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 17:30	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-122*		*04/11/2018 17:30*	WG1096478

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U UJ	J0	1.05	25.0	1	04/10/2018 16:44	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 16:44	WG1096032
Benzene	U		0.0896	0.500	1	04/10/2018 16:44	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 16:44	WG1096032
Bromodichloromethane	U	UJ J0	0.0800	0.500	1	04/10/2018 16:44	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 16:44	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 16:44	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 16:44	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 16:44	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 16:44	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 16:44	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 16:44	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 16:44	WG1096032
Chlorobenzene	U		0.140	0.500	1	04/10/2018 16:44	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 16:44	WG1096032
Chloroethane	U		0.141	2.50	1	04/10/2018 16:44	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 16:44	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 16:44	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 16:44	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 16:44	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 16:44	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 16:44	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 16:44	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 16:44	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 16:44	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 16:44	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 16:44	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 16:44	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 16:44	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 16:44	WG1096032
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/10/2018 16:44	WG1096032
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/10/2018 16:44	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 16:44	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 16:44	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 16:44	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 16:44	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 16:44	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 16:44	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 16:44	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 16:44	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 16:44	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 16:44	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 16:44	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 16:44	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 16:44	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 16:44	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 16:44	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 16:44	WG1096032 JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/10/2018 16:44	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 16:44	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 16:44	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 16:44	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 16:44	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 16:44	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 16:44	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 16:44	WG1096032
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 16:44	WG1096032
Tetrachloroethene	U		0.199	0.500	1	04/10/2018 16:44	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 16:44	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 16:44	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 16:44	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 16:44	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 16:44	WG1096032
Trichloroethene	U		0.153	0.500	1	04/10/2018 16:44	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 16:44	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 16:44	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 16:44	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 16:44	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 16:44	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 16:44	WG1096032
Vinyl chloride	U		0.118	0.500	1	04/10/2018 16:44	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 16:44	WG1096032
(S) Toluene-d8	*107*			*80.0-120*		*04/10/2018 16:44*	WG1096032
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/10/2018 16:44*	WG1096032
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/10/2018 16:44*	WG1096032

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.55	J	J J0	1.05	25.0	1	04/10/2018 18:04	WG1096032
Acrylonitrile	U			0.873	5.00	1	04/10/2018 18:04	WG1096032
Benzene	U			0.0896	0.500	1	04/10/2018 18:04	WG1096032
Bromobenzene	U			0.133	0.500	1	04/10/2018 18:04	WG1096032
Bromodichloromethane	U	UJ	J0	0.0800	0.500	1	04/10/2018 18:04	WG1096032
Bromochloromethane	U			0.145	0.500	1	04/10/2018 18:04	WG1096032
Bromoform	U			0.186	0.500	1	04/10/2018 18:04	WG1096032
Bromomethane	U			0.157	2.50	1	04/10/2018 18:04	WG1096032
n-Butylbenzene	U			0.143	0.500	1	04/10/2018 18:04	WG1096032
sec-Butylbenzene	U			0.134	0.500	1	04/10/2018 18:04	WG1096032
tert-Butylbenzene	U			0.183	0.500	1	04/10/2018 18:04	WG1096032
Carbon disulfide	U			0.101	0.500	1	04/10/2018 18:04	WG1096032
Carbon tetrachloride	U			0.159	0.500	1	04/10/2018 18:04	WG1096032
Chlorobenzene	U			0.140	0.500	1	04/10/2018 18:04	WG1096032
Chlorodibromomethane	U			0.128	0.500	1	04/10/2018 18:04	WG1096032
Chloroethane	U			0.141	2.50	1	04/10/2018 18:04	WG1096032
Chloroform	U			0.0860	0.500	1	04/10/2018 18:04	WG1096032
Chloromethane	U			0.153	1.25	1	04/10/2018 18:04	WG1096032
2-Chlorotoluene	U			0.111	0.500	1	04/10/2018 18:04	WG1096032
4-Chlorotoluene	U			0.0972	0.500	1	04/10/2018 18:04	WG1096032
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/10/2018 18:04	WG1096032
1,2-Dibromoethane	U			0.193	0.500	1	04/10/2018 18:04	WG1096032
Dibromomethane	U			0.117	0.500	1	04/10/2018 18:04	WG1096032
1,2-Dichlorobenzene	U			0.101	0.500	1	04/10/2018 18:04	WG1096032
1,3-Dichlorobenzene	U			0.130	0.500	1	04/10/2018 18:04	WG1096032
1,4-Dichlorobenzene	U			0.121	0.500	1	04/10/2018 18:04	WG1096032
Dichlorodifluoromethane	U			0.127	2.50	1	04/10/2018 18:04	WG1096032
1,1-Dichloroethane	U			0.114	0.500	1	04/10/2018 18:04	WG1096032
1,2-Dichloroethane	U			0.108	0.500	1	04/10/2018 18:04	WG1096032
1,1-Dichloroethene	5.17			0.188	0.500	1	04/10/2018 18:04	WG1096032
cis-1,2-Dichloroethene	675	J-		1.87	10.0	20	04/11/2018 18:13	WG1096032
trans-1,2-Dichloroethene	3.72			0.152	0.500	1	04/10/2018 18:04	WG1096032
1,2-Dichloropropane	U			0.190	0.500	1	04/10/2018 18:04	WG1096032
1,1-Dichloropropene	U			0.128	0.500	1	04/10/2018 18:04	WG1096032
1,3-Dichloropropane	U			0.147	1.00	1	04/10/2018 18:04	WG1096032
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/10/2018 18:04	WG1096032
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/10/2018 18:04	WG1096032
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/10/2018 18:04	WG1096032
2,2-Dichloropropane	U			0.0929	0.500	1	04/10/2018 18:04	WG1096032
Di-isopropyl ether	U			0.0924	0.500	1	04/10/2018 18:04	WG1096032
Ethylbenzene	U			0.158	0.500	1	04/10/2018 18:04	WG1096032
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/10/2018 18:04	WG1096032
2-Hexanone	U			0.757	5.00	1	04/10/2018 18:04	WG1096032
n-Hexane	U			0.305	5.00	1	04/10/2018 18:04	WG1096032
Iodomethane	U		J3	0.377	10.0	1	04/10/2018 18:04	WG1096032
Isopropylbenzene	U			0.126	0.500	1	04/10/2018 18:04	WG1096032
p-Isopropyltoluene	U			0.138	0.500	1	04/10/2018 18:04	WG1096032
2-Butanone (MEK)	U			1.28	5.00	1	04/10/2018 18:04	WG1096032
Methylene Chloride	U			1.07	2.50	1	04/10/2018 18:04	WG1096032
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/10/2018 18:04	WG1096032
Methyl tert-butyl ether	U			0.102	0.500	1	04/10/2018 18:04	WG1096032
Naphthalene	U			0.174	2.50	1	04/10/2018 18:04	WG1096032
n-Propylbenzene	U			0.162	0.500	1	04/10/2018 18:04	WG1096032
Styrene	0.164	J	J	0.117	0.500	1	04/10/2018 18:04	WG1096032
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/10/2018 18:04	WG1096032
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/10/2018 18:04	WG1096032

JC 4/24/18

4/27/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 18:04	WG1096032
Tetrachloroethene	375	J-	3.98	10.0	20	04/11/2018 18:13	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 18:04	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 18:04	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 18:04	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 18:04	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 18:04	WG1096032
Trichloroethene	253	J-	3.06	10.0	20	04/11/2018 18:13	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 18:04	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 18:04	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 18:04	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 18:04	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 18:04	WG1096032
Vinyl acetate	U		0.645	5.00	1	04/10/2018 18:04	WG1096032
Vinyl chloride	3.54		0.118	0.500	1	04/10/2018 18:04	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 18:04	WG1096032
(S) Toluene-d8	*104*			*80.0-120*		*04/10/2018 18:04*	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/11/2018 18:13*	WG1096032
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/10/2018 18:04*	WG1096032
(S) Dibromofluoromethane	*91.6*			*76.0-123*		*04/11/2018 18:13*	WG1096032
(S) 4-Bromofluorobenzene	*79.6*	J2		*80.0-120*		*04/11/2018 18:13*	WG1096032
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/10/2018 18:04*	WG1096032

JC 4/24/18

JC 4/27/18

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	692000		2710	20000	1	04/12/2018 05:49	WG1096470

Sample Narrative:
L984275-05 WG1096470: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	67500		51.9	1000	1	04/10/2018 17:19	WG1096122
Nitrate	U		22.7	100	1	04/10/2018 17:19	WG1096122
Sulfate	3540 J	J	77.4	5000	1	04/10/2018 17:19	WG1096122

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	26300		1020	10000	10	04/10/2018 16:21	WG1095776

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4840		15.0	100	1	04/15/2018 10:24	WG1095826
Manganese	1210		0.250	5.00	1	04/15/2018 10:24	WG1095826

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	59.3 J	J	31.6	100	1	04/11/2018 04:24	WG1096307
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-122*		*04/11/2018 04:24*	WG1096307

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	6700		0.287	0.678	1	04/16/2018 10:50	WG1098682
Ethane	44.2		0.296	1.29	1	04/16/2018 10:50	WG1098682
Ethene	38.1		0.422	1.27	1	04/16/2018 10:50	WG1098682

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.23 J	J J0	1.05	25.0	1	04/10/2018 18:24	WG1096032
Acrylonitrile	U		0.873	5.00	1	04/10/2018 18:24	WG1096032
Benzene	0.193 J	J	0.0896	0.500	1	04/10/2018 18:24	WG1096032
Bromobenzene	U		0.133	0.500	1	04/10/2018 18:24	WG1096032
Bromodichloromethane	U UJ	J0	0.0800	0.500	1	04/10/2018 18:24	WG1096032
Bromochloromethane	U		0.145	0.500	1	04/10/2018 18:24	WG1096032
Bromoform	U		0.186	0.500	1	04/10/2018 18:24	WG1096032
Bromomethane	U		0.157	2.50	1	04/10/2018 18:24	WG1096032
n-Butylbenzene	U		0.143	0.500	1	04/10/2018 18:24	WG1096032
sec-Butylbenzene	U		0.134	0.500	1	04/10/2018 18:24	WG1096032
tert-Butylbenzene	U		0.183	0.500	1	04/10/2018 18:24	WG1096032
Carbon disulfide	U		0.101	0.500	1	04/10/2018 18:24	WG1096032
Carbon tetrachloride	U		0.159	0.500	1	04/10/2018 18:24	WG1096032

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JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/10/2018 18:24	WG1096032
Chlorodibromomethane	U		0.128	0.500	1	04/10/2018 18:24	WG1096032
Chloroethane	4.31		0.141	2.50	1	04/10/2018 18:24	WG1096032
Chloroform	U		0.0860	0.500	1	04/10/2018 18:24	WG1096032
Chloromethane	U		0.153	1.25	1	04/10/2018 18:24	WG1096032
2-Chlorotoluene	U		0.111	0.500	1	04/10/2018 18:24	WG1096032
4-Chlorotoluene	U		0.0972	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/10/2018 18:24	WG1096032
1,2-Dibromoethane	U		0.193	0.500	1	04/10/2018 18:24	WG1096032
Dibromomethane	U		0.117	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dichlorobenzene	U		0.101	0.500	1	04/10/2018 18:24	WG1096032
1,3-Dichlorobenzene	U		0.130	0.500	1	04/10/2018 18:24	WG1096032
1,4-Dichlorobenzene	U		0.121	0.500	1	04/10/2018 18:24	WG1096032
Dichlorodifluoromethane	U		0.127	2.50	1	04/10/2018 18:24	WG1096032
1,1-Dichloroethane	U		0.114	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dichloroethane	U		0.108	0.500	1	04/10/2018 18:24	WG1096032
1,1-Dichloroethene	U		0.188	0.500	1	04/10/2018 18:24	WG1096032
cis-1,2-Dichloroethene	72.1	J-	0.0933	0.500	1	04/11/2018 18:32	WG1096032
trans-1,2-Dichloroethene	10.5		0.152	0.500	1	04/10/2018 18:24	WG1096032
1,2-Dichloropropane	U		0.190	0.500	1	04/10/2018 18:24	WG1096032
1,1-Dichloropropene	U		0.128	0.500	1	04/10/2018 18:24	WG1096032
1,3-Dichloropropane	U		0.147	1.00	1	04/10/2018 18:24	WG1096032
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/10/2018 18:24	WG1096032
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/10/2018 18:24	WG1096032
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/10/2018 18:24	WG1096032
2,2-Dichloropropane	U		0.0929	0.500	1	04/10/2018 18:24	WG1096032
Di-isopropyl ether	U		0.0924	0.500	1	04/10/2018 18:24	WG1096032
Ethylbenzene	U		0.158	0.500	1	04/10/2018 18:24	WG1096032
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/10/2018 18:24	WG1096032
2-Hexanone	U		0.757	5.00	1	04/10/2018 18:24	WG1096032
n-Hexane	U		0.305	5.00	1	04/10/2018 18:24	WG1096032
Iodomethane	U	J3	0.377	10.0	1	04/10/2018 18:24	WG1096032
Isopropylbenzene	U		0.126	0.500	1	04/10/2018 18:24	WG1096032
p-Isopropyltoluene	U		0.138	0.500	1	04/10/2018 18:24	WG1096032
2-Butanone (MEK)	U		1.28	5.00	1	04/10/2018 18:24	WG1096032
Methylene Chloride	U		1.07	2.50	1	04/10/2018 18:24	WG1096032
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/10/2018 18:24	WG1096032
Methyl tert-butyl ether	U		0.102	0.500	1	04/10/2018 18:24	WG1096032
Naphthalene	U		0.174	2.50	1	04/10/2018 18:24	WG1096032
n-Propylbenzene	U		0.162	0.500	1	04/10/2018 18:24	WG1096032
Styrene	U		0.117	0.500	1	04/10/2018 18:24	WG1096032
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/10/2018 18:24	WG1096032
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/10/2018 18:24	WG1096032
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/10/2018 18:24	WG1096032
Tetrachloroethene	0.879	J-	0.199	0.500	1	04/11/2018 18:32	WG1096032
Toluene	U		0.412	0.500	1	04/10/2018 18:24	WG1096032
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/10/2018 18:24	WG1096032
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/10/2018 18:24	WG1096032
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/10/2018 18:24	WG1096032
1,1,2-Trichloroethane	U		0.186	0.500	1	04/10/2018 18:24	WG1096032
Trichloroethene	0.581	J-	0.153	0.500	1	04/11/2018 18:32	WG1096032
Trichlorofluoromethane	U		0.130	2.50	1	04/10/2018 18:24	WG1096032
1,2,3-Trichloropropane	U		0.247	2.50	1	04/10/2018 18:24	WG1096032
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/10/2018 18:24	WG1096032
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/10/2018 18:24	WG1096032
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/10/2018 18:24	WG1096032

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JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Vinyl acetate	U		0.645	5.00	1	04/10/2018 18:24	WG1096032
Vinyl chloride	123		0.118	0.500	1	04/10/2018 18:24	WG1096032
Xylenes, Total	U		0.316	1.50	1	04/10/2018 18:24	WG1096032
(S) Toluene-d8	*106*			*80.0-120*		*04/10/2018 18:24*	WG1096032
(S) Toluene-d8	*103*			*80.0-120*		*04/11/2018 18:32*	WG1096032
(S) Dibromofluoromethane	*91.2*			*76.0-123*		*04/11/2018 18:32*	WG1096032
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/10/2018 18:24*	WG1096032
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*04/10/2018 18:24*	WG1096032
(S) 4-Bromofluorobenzene	*78.8*	J2		*80.0-120*		*04/11/2018 18:32*	WG1096032

JC 4/24/18

Cp
Tc
Ss
Cn
Sr
Qc
Gl
Al
Sc

4/27/18

From:	Bill Haldeman
To:	J Compeau
Cc:	Shannon E. McKernan
Subject:	RE: Question on SDGs L984275 and L984615
Date:	May 1, 2018 8:55:01 AM
Attachments:	image001.png

Jessie, sorry for the delayed reply. Regarding the sampler (Jeff), he has been contacted and told to sign all COCs, and we have reminded all other field staff of the importance of signing the COCs. We also noticed that Jeff recorded the time that he dropped off the samples each day on a separate field report form. We have collected all of those and attached them to copies of the unsigned COCs in our file. Shannon will send you a proposed sentence to add to the SDGs in question if you find it acceptable. Thanks! -Bill

---

From: J Compeau <Informa_LLC@comcast.net>
Sent: Thursday, April 26, 2018 2:49 PM
To: Bill Haldeman <bhaldeman@pesenv.com>
Subject: FW: Question on SDGs L984275 and L984615

Hello Bill,
I have contacted Brian Ford at ESC to resolve the question of *missing relinquished by signature but an all good Y per ESC's checklist*;

- Asked why ESC Sample Receipt Checklist notes indicate that COC was accurate and signed in 4 of 5 cases? ESC indicates that the *sample receipt checklist - COC Signed and Accurate* - ONLY applicable to ESC's side of things (email response).
- Asked wouldn't a ESC Lab Sciences Non - Conformance form (*Chain of Custody Clarification – Chain of custody not complete*) be filled out? ESC indicates that it is not part of their protocol to complete a non-conformance form for a COC missing a relinquished signature (email response).

Hopefully we can avoid this situation in the future. If it hasn't been done already can someone please let the field sampler know that signing the COC is one of those important details? Happy to discuss with the field sampler if there are questions.

Fortunately all other COCs (soils) look good.

Thanks,

Jessie Compeau

From: Chris Ward [mailto:cward@esclabsciences.com]
Sent: Thursday, April 26, 2018 1:24 PM
To: 'Informa_LLC@comcast.net'
Subject: FW: Question on SDGs L984275 and L984615

The method does state that that exposure to air could affect the results due to loss of carbon dioxide and other carbonate compounds. We elected to report with a comment

rather than with qualification.

Attached is a one of the mentioned CoCs, I have circled where we have signed it. The relinquished by field is for the PES employee relinquishing the samples.

Thanks,

Chris Ward

Assistant Project Manager

ESC Lab Sciences-a subsidiary of Pace Analytical

12065 Lebanon Road | Mt. Juliet, TN 37122

cward@esclabsciences.com | www.esclabsciences.com

615.773.9712

From: J Compeau [mailto:Informa_LLC@comcast.net]
Sent: Thursday, April 26, 2018 2:35 PM
To: Brian Ford
Subject: Question on SDGs L984275 and L984615

Hello Brian,

Need a little clarification on alkalinity results with footnote “Endpoint pH 4.5 Headspace”. Does this mean that alkalinity results may be impacted from exposure to air but not significantly enough (given the alk results) to warrant a lab qualifier?

ESC SDGs L982159, L983082, L984034, L984275, and L984615: Review of chain of custody shows that the relinquished portion is not signed but ESC notes indicate OK?

Many thanks,

Jessie Compeau

(206) 849-8494

ANALYTICAL REPORT

April 18, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L984615
Samples Received:	04/11/2018
Project Number:	1413.001.05.601
Description:	American Linen Supply
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

IW-42A-041018 L984615-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/10/18 11:02 | Received date/time: 04/11/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	1	04/11/18 14:29	04/11/18 14:29	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	250	04/13/18 12:44	04/13/18 12:44	ACG

IW-41A-041018 L984615-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/10/18 12:38 | Received date/time: 04/11/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	1	04/11/18 14:48	04/11/18 14:48	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	20	04/13/18 13:04	04/13/18 13:04	ACG

IW-47B-041018 L984615-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/10/18 13:47 | Received date/time: 04/11/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	1000	04/13/18 13:23	04/13/18 13:23	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	5	04/11/18 15:06	04/11/18 15:06	ACG

MW-150-041018 L984615-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/10/18 13:55 | Received date/time: 04/11/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1096558	1	04/12/18 07:37	04/12/18 07:37	MCG
Wet Chemistry by Method 9056A	WG1096561	1	04/12/18 00:35	04/12/18 00:35	MAJ
Wet Chemistry by Method 9060A	WG1096988	1	04/12/18 16:20	04/12/18 16:20	EG
Metals (ICPMS) by Method 6020A	WG1096611	1	04/12/18 09:31	04/15/18 16:32	WBD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096478	1	04/11/18 15:18	04/11/18 15:18	BMB
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 11:51	04/17/18 11:51	BG
Volatile Organic Compounds (GC) by Method RSK175	WG1099282	20	04/17/18 14:53	04/17/18 14:53	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	1	04/11/18 15:25	04/11/18 15:25	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	250	04/13/18 13:42	04/13/18 13:42	ACG

MW-151-041018 L984615-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/10/18 10:17 | Received date/time: 04/11/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1096558	1	04/12/18 07:59	04/12/18 07:59	MCG
Wet Chemistry by Method 9056A	WG1096561	1	04/12/18 00:48	04/12/18 00:48	MAJ
Wet Chemistry by Method 9060A	WG1096988	2	04/12/18 16:37	04/12/18 16:37	EG
Metals (ICPMS) by Method 6020A	WG1096611	1	04/12/18 09:31	04/15/18 16:37	WBD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096478	1	04/11/18 15:40	04/11/18 15:40	BMB
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 11:57	04/17/18 11:57	BG
Volatile Organic Compounds (GC) by Method RSK175	WG1099282	25	04/17/18 14:57	04/17/18 14:57	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	1	04/11/18 15:44	04/11/18 15:44	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	1	04/13/18 14:02	04/13/18 14:02	ACG

MW-152-041018 L984615-06 GW

Collected by: Jeff Dobbins
Collected date/time: 04/10/18 08:56
Received date/time: 04/11/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1096558	1	04/12/18 08:06	04/12/18 08:06	MCG
Wet Chemistry by Method 9056A	WG1096737	1	04/12/18 00:08	04/12/18 00:08	MAJ
Wet Chemistry by Method 9056A	WG1096737	5	04/12/18 00:24	04/12/18 00:24	MAJ
Wet Chemistry by Method 9060A	WG1096988	1	04/12/18 16:54	04/12/18 16:54	EG
Metals (ICPMS) by Method 6020A	WG1096611	1	04/12/18 09:31	04/15/18 16:41	WBD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096478	20	04/11/18 16:02	04/11/18 16:02	BMB
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 12:03	04/17/18 12:03	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	20	04/11/18 16:03	04/11/18 16:03	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	2500	04/13/18 15:21	04/13/18 15:21	RAS

MW-149-041018 L984615-07 GW

Collected by: Jeff Dobbins
Collected date/time: 04/10/18 12:22
Received date/time: 04/11/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1096558	1	04/12/18 08:12	04/12/18 08:12	MCG
Wet Chemistry by Method 9056A	WG1096737	1	04/12/18 00:39	04/12/18 00:39	MAJ
Wet Chemistry by Method 9060A	WG1096988	1	04/12/18 18:25	04/12/18 18:25	EG
Metals (ICPMS) by Method 6020A	WG1096611	1	04/12/18 09:31	04/15/18 16:46	WBD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096478	5	04/11/18 16:46	04/11/18 16:46	BMB
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 12:08	04/17/18 12:08	BG
Volatile Organic Compounds (GC) by Method RSK175	WG1099282	20	04/17/18 15:00	04/17/18 15:00	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	5	04/11/18 16:21	04/11/18 16:21	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	500	04/13/18 15:40	04/13/18 15:40	RAS

TRIP BLANK L984615-08 GW

Collected by: Jeff Dobbins
Collected date/time: 04/10/18 00:00
Received date/time: 04/11/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1096478	1	04/11/18 17:52	04/11/18 17:52	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	1	04/11/18 16:59	04/11/18 16:59	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1096656	1	04/13/18 11:07	04/13/18 11:07	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.94	J	1.05	25.0	1	04/11/2018 14:29	WG1096656
Acrylonitrile	U		0.873	5.00	1	04/11/2018 14:29	WG1096656
Benzene	U		22.4	125	250	04/13/2018 12:44	WG1096656
Bromobenzene	U		0.133	0.500	1	04/11/2018 14:29	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 14:29	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 14:29	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 14:29	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 14:29	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 14:29	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 14:29	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 14:29	WG1096656
Carbon disulfide	0.186	J J0	0.101	0.500	1	04/11/2018 14:29	WG1096656
Carbon tetrachloride	U		0.159	0.500	1	04/11/2018 14:29	WG1096656
Chlorobenzene	U		0.140	0.500	1	04/11/2018 14:29	WG1096656
Chlorodibromomethane	U		0.128	0.500	1	04/11/2018 14:29	WG1096656
Chloroethane	1.75	J	0.141	2.50	1	04/11/2018 14:29	WG1096656
Chloroform	U		0.0860	0.500	1	04/11/2018 14:29	WG1096656
Chloromethane	U		0.153	1.25	1	04/11/2018 14:29	WG1096656
2-Chlorotoluene	U		0.111	0.500	1	04/11/2018 14:29	WG1096656
4-Chlorotoluene	U		0.0972	0.500	1	04/11/2018 14:29	WG1096656
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/11/2018 14:29	WG1096656
1,2-Dibromoethane	U		0.193	0.500	1	04/11/2018 14:29	WG1096656
Dibromomethane	U		0.117	0.500	1	04/11/2018 14:29	WG1096656
1,2-Dichlorobenzene	U		0.101	0.500	1	04/11/2018 14:29	WG1096656
1,3-Dichlorobenzene	U		0.130	0.500	1	04/11/2018 14:29	WG1096656
1,4-Dichlorobenzene	U		0.121	0.500	1	04/11/2018 14:29	WG1096656
Dichlorodifluoromethane	U		0.127	2.50	1	04/11/2018 14:29	WG1096656
1,1-Dichloroethane	U		0.114	0.500	1	04/11/2018 14:29	WG1096656
1,2-Dichloroethane	U		0.108	0.500	1	04/11/2018 14:29	WG1096656
1,1-Dichloroethene	13.7		0.188	0.500	1	04/11/2018 14:29	WG1096656
cis-1,2-Dichloroethene	10500		23.3	125	250	04/13/2018 12:44	WG1096656
trans-1,2-Dichloroethene	14.5		0.152	0.500	1	04/11/2018 14:29	WG1096656
1,2-Dichloropropane	U		0.190	0.500	1	04/11/2018 14:29	WG1096656
1,1-Dichloropropene	U		0.128	0.500	1	04/11/2018 14:29	WG1096656
1,3-Dichloropropane	U		0.147	1.00	1	04/11/2018 14:29	WG1096656
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/11/2018 14:29	WG1096656
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/11/2018 14:29	WG1096656
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/11/2018 14:29	WG1096656
2,2-Dichloropropane	U		0.0929	0.500	1	04/11/2018 14:29	WG1096656
Di-isopropyl ether	U		0.0924	0.500	1	04/11/2018 14:29	WG1096656
Ethylbenzene	U		39.5	125	250	04/13/2018 12:44	WG1096656
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/11/2018 14:29	WG1096656
2-Hexanone	U		0.757	5.00	1	04/11/2018 14:29	WG1096656
n-Hexane	U	J0	0.305	5.00	1	04/11/2018 14:29	WG1096656
Iodomethane	U		0.377	10.0	1	04/11/2018 14:29	WG1096656
Isopropylbenzene	0.174	J	0.126	0.500	1	04/11/2018 14:29	WG1096656
p-Isopropyltoluene	U		0.138	0.500	1	04/11/2018 14:29	WG1096656
2-Butanone (MEK)	U		1.28	5.00	1	04/11/2018 14:29	WG1096656
Methylene Chloride	U		1.07	2.50	1	04/11/2018 14:29	WG1096656
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 14:29	WG1096656
Methyl tert-butyl ether	U		25.5	125	250	04/13/2018 12:44	WG1096656
Naphthalene	U		43.5	625	250	04/13/2018 12:44	WG1096656
n-Propylbenzene	0.372	J J0	0.162	0.500	1	04/11/2018 14:29	WG1096656
Styrene	U	J0	0.117	0.500	1	04/11/2018 14:29	WG1096656
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 14:29	WG1096656
1,1,2,2-Tetrachloroethane	U	J0	0.130	0.500	1	04/11/2018 14:29	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 14:29	WG1096656
Tetrachloroethene	7700		49.8	125	250	04/13/2018 12:44	WG1096656
Toluene	0.726		0.412	0.500	1	04/11/2018 14:29	WG1096656
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 14:29	WG1096656
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 14:29	WG1096656
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 14:29	WG1096656
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 14:29	WG1096656
Trichloroethene	1840		38.2	125	250	04/13/2018 12:44	WG1096656
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 14:29	WG1096656
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 14:29	WG1096656
1,2,4-Trimethylbenzene	U		30.8	125	250	04/13/2018 12:44	WG1096656
1,2,3-Trimethylbenzene	0.930		0.0739	0.500	1	04/11/2018 14:29	WG1096656
1,3,5-Trimethylbenzene	0.403	J	0.124	0.500	1	04/11/2018 14:29	WG1096656
Vinyl acetate	U		0.645	5.00	1	04/11/2018 14:29	WG1096656
Vinyl chloride	1280		29.5	125	250	04/13/2018 12:44	WG1096656
Xylenes, Total	U		79.0	375	250	04/13/2018 12:44	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 14:29*	WG1096656
(S) Toluene-d8	*97.3*			*80.0-120*		*04/13/2018 12:44*	WG1096656
(S) Dibromofluoromethane	*86.4*			*76.0-123*		*04/11/2018 14:29*	WG1096656
(S) Dibromofluoromethane	*90.7*			*76.0-123*		*04/13/2018 12:44*	WG1096656
(S) 4-Bromofluorobenzene	*80.0*			*80.0-120*		*04/11/2018 14:29*	WG1096656
(S) 4-Bromofluorobenzene	*94.6*			*80.0-120*		*04/13/2018 12:44*	WG1096656

Sample Narrative:

L984615-01 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	7.16	J	1.05	25.0	1	04/11/2018 14:48	WG1096656
Acrylonitrile	U		0.873	5.00	1	04/11/2018 14:48	WG1096656
Benzene	U		1.79	10.0	20	04/13/2018 13:04	WG1096656
Bromobenzene	U		0.133	0.500	1	04/11/2018 14:48	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 14:48	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 14:48	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 14:48	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 14:48	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 14:48	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 14:48	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 14:48	WG1096656
Carbon disulfide	0.256	J J0	0.101	0.500	1	04/11/2018 14:48	WG1096656
Carbon tetrachloride	U		0.159	0.500	1	04/11/2018 14:48	WG1096656
Chlorobenzene	U		0.140	0.500	1	04/11/2018 14:48	WG1096656
Chlorodibromomethane	U		0.128	0.500	1	04/11/2018 14:48	WG1096656
Chloroethane	U		0.141	2.50	1	04/11/2018 14:48	WG1096656
Chloroform	U		0.0860	0.500	1	04/11/2018 14:48	WG1096656
Chloromethane	U		0.153	1.25	1	04/11/2018 14:48	WG1096656
2-Chlorotoluene	U		0.111	0.500	1	04/11/2018 14:48	WG1096656
4-Chlorotoluene	U		0.0972	0.500	1	04/11/2018 14:48	WG1096656
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/11/2018 14:48	WG1096656
1,2-Dibromoethane	U		0.193	0.500	1	04/11/2018 14:48	WG1096656
Dibromomethane	U		0.117	0.500	1	04/11/2018 14:48	WG1096656
1,2-Dichlorobenzene	U		0.101	0.500	1	04/11/2018 14:48	WG1096656
1,3-Dichlorobenzene	U		0.130	0.500	1	04/11/2018 14:48	WG1096656
1,4-Dichlorobenzene	U		0.121	0.500	1	04/11/2018 14:48	WG1096656
Dichlorodifluoromethane	U		0.127	2.50	1	04/11/2018 14:48	WG1096656
1,1-Dichloroethane	U		0.114	0.500	1	04/11/2018 14:48	WG1096656
1,2-Dichloroethane	U		0.108	0.500	1	04/11/2018 14:48	WG1096656
1,1-Dichloroethene	1.48		0.188	0.500	1	04/11/2018 14:48	WG1096656
cis-1,2-Dichloroethene	510		1.87	10.0	20	04/13/2018 13:04	WG1096656
trans-1,2-Dichloroethene	1.89		0.152	0.500	1	04/11/2018 14:48	WG1096656
1,2-Dichloropropane	U		0.190	0.500	1	04/11/2018 14:48	WG1096656
1,1-Dichloropropene	U		0.128	0.500	1	04/11/2018 14:48	WG1096656
1,3-Dichloropropane	U		0.147	1.00	1	04/11/2018 14:48	WG1096656
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/11/2018 14:48	WG1096656
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/11/2018 14:48	WG1096656
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/11/2018 14:48	WG1096656
2,2-Dichloropropane	U		0.0929	0.500	1	04/11/2018 14:48	WG1096656
Di-isopropyl ether	U		0.0924	0.500	1	04/11/2018 14:48	WG1096656
Ethylbenzene	U		3.16	10.0	20	04/13/2018 13:04	WG1096656
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/11/2018 14:48	WG1096656
2-Hexanone	U		0.757	5.00	1	04/11/2018 14:48	WG1096656
n-Hexane	U	J0	0.305	5.00	1	04/11/2018 14:48	WG1096656
Iodomethane	U		0.377	10.0	1	04/11/2018 14:48	WG1096656
Isopropylbenzene	U		0.126	0.500	1	04/11/2018 14:48	WG1096656
p-Isopropyltoluene	U		0.138	0.500	1	04/11/2018 14:48	WG1096656
2-Butanone (MEK)	U		1.28	5.00	1	04/11/2018 14:48	WG1096656
Methylene Chloride	U		1.07	2.50	1	04/11/2018 14:48	WG1096656
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 14:48	WG1096656
Methyl tert-butyl ether	0.184	J	0.102	0.500	1	04/11/2018 14:48	WG1096656
Naphthalene	U		3.48	50.0	20	04/13/2018 13:04	WG1096656
n-Propylbenzene	U	J0	0.162	0.500	1	04/11/2018 14:48	WG1096656
Styrene	U	J0	0.117	0.500	1	04/11/2018 14:48	WG1096656
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 14:48	WG1096656
1,1,2,2-Tetrachloroethane	U	J0	0.130	0.500	1	04/11/2018 14:48	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 14:48	WG1096656
Tetrachloroethene	37.3		0.199	0.500	1	04/11/2018 14:48	WG1096656
Toluene	U		0.412	0.500	1	04/11/2018 14:48	WG1096656
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 14:48	WG1096656
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 14:48	WG1096656
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 14:48	WG1096656
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 14:48	WG1096656
Trichloroethene	28.0		0.153	0.500	1	04/11/2018 14:48	WG1096656
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 14:48	WG1096656
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 14:48	WG1096656
1,2,4-Trimethylbenzene	U		2.46	10.0	20	04/13/2018 13:04	WG1096656
1,2,3-Trimethylbenzene	0.157	J	0.0739	0.500	1	04/11/2018 14:48	WG1096656
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/11/2018 14:48	WG1096656
Vinyl acetate	U		0.645	5.00	1	04/11/2018 14:48	WG1096656
Vinyl chloride	78.2		0.118	0.500	1	04/11/2018 14:48	WG1096656
Xylenes, Total	U		6.32	30.0	20	04/13/2018 13:04	WG1096656
(S) Toluene-d8	*105*			*80.0-120*		*04/11/2018 14:48*	WG1096656
(S) Toluene-d8	*100*			*80.0-120*		*04/13/2018 13:04*	WG1096656
(S) Dibromofluoromethane	*93.1*			*76.0-123*		*04/13/2018 13:04*	WG1096656
(S) Dibromofluoromethane	*89.9*			*76.0-123*		*04/11/2018 14:48*	WG1096656
(S) 4-Bromofluorobenzene	*94.7*			*80.0-120*		*04/13/2018 13:04*	WG1096656
(S) 4-Bromofluorobenzene	*85.0*			*80.0-120*		*04/11/2018 14:48*	WG1096656

Sample Narrative:

L984615-02 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	51.7	J	5.25	125	5	04/11/2018 15:06	WG1096656
Acrylonitrile	U		4.36	25.0	5	04/11/2018 15:06	WG1096656
Benzene	U		89.6	500	1000	04/13/2018 13:23	WG1096656
Bromobenzene	U		0.665	2.50	5	04/11/2018 15:06	WG1096656
Bromodichloromethane	U		0.400	2.50	5	04/11/2018 15:06	WG1096656
Bromochloromethane	U		0.725	2.50	5	04/11/2018 15:06	WG1096656
Bromoform	U		0.930	2.50	5	04/11/2018 15:06	WG1096656
Bromomethane	U		0.785	12.5	5	04/11/2018 15:06	WG1096656
n-Butylbenzene	U		0.715	2.50	5	04/11/2018 15:06	WG1096656
sec-Butylbenzene	U		0.670	2.50	5	04/11/2018 15:06	WG1096656
tert-Butylbenzene	U		0.915	2.50	5	04/11/2018 15:06	WG1096656
Carbon disulfide	1.08	J J0	0.505	2.50	5	04/11/2018 15:06	WG1096656
Carbon tetrachloride	U		0.795	2.50	5	04/11/2018 15:06	WG1096656
Chlorobenzene	U		0.700	2.50	5	04/11/2018 15:06	WG1096656
Chlorodibromomethane	U		0.640	2.50	5	04/11/2018 15:06	WG1096656
Chloroethane	U		0.705	12.5	5	04/11/2018 15:06	WG1096656
Chloroform	U		0.430	2.50	5	04/11/2018 15:06	WG1096656
Chloromethane	U		0.765	6.25	5	04/11/2018 15:06	WG1096656
2-Chlorotoluene	U		0.555	2.50	5	04/11/2018 15:06	WG1096656
4-Chlorotoluene	U		0.486	2.50	5	04/11/2018 15:06	WG1096656
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	04/11/2018 15:06	WG1096656
1,2-Dibromoethane	U		0.965	2.50	5	04/11/2018 15:06	WG1096656
Dibromomethane	U		0.585	2.50	5	04/11/2018 15:06	WG1096656
1,2-Dichlorobenzene	U		0.505	2.50	5	04/11/2018 15:06	WG1096656
1,3-Dichlorobenzene	U		0.650	2.50	5	04/11/2018 15:06	WG1096656
1,4-Dichlorobenzene	U		0.605	2.50	5	04/11/2018 15:06	WG1096656
Dichlorodifluoromethane	U		0.635	12.5	5	04/11/2018 15:06	WG1096656
1,1-Dichloroethane	U		0.570	2.50	5	04/11/2018 15:06	WG1096656
1,2-Dichloroethane	U		0.540	2.50	5	04/11/2018 15:06	WG1096656
1,1-Dichloroethene	92.7		0.940	2.50	5	04/11/2018 15:06	WG1096656
cis-1,2-Dichloroethene	40900		93.3	500	1000	04/13/2018 13:23	WG1096656
trans-1,2-Dichloroethene	46.3		0.760	2.50	5	04/11/2018 15:06	WG1096656
1,2-Dichloropropane	U		0.950	2.50	5	04/11/2018 15:06	WG1096656
1,1-Dichloropropene	U		0.640	2.50	5	04/11/2018 15:06	WG1096656
1,3-Dichloropropane	U		0.735	5.00	5	04/11/2018 15:06	WG1096656
cis-1,3-Dichloropropene	U		0.488	2.50	5	04/11/2018 15:06	WG1096656
trans-1,3-Dichloropropene	U		1.11	2.50	5	04/11/2018 15:06	WG1096656
trans-1,4-Dichloro-2-butene	U		1.28	25.0	5	04/11/2018 15:06	WG1096656
2,2-Dichloropropane	U		0.464	2.50	5	04/11/2018 15:06	WG1096656
Di-isopropyl ether	U		0.462	2.50	5	04/11/2018 15:06	WG1096656
Ethylbenzene	U		158	500	1000	04/13/2018 13:23	WG1096656
Hexachloro-1,3-butadiene	U		0.785	5.00	5	04/11/2018 15:06	WG1096656
2-Hexanone	U		3.78	25.0	5	04/11/2018 15:06	WG1096656
n-Hexane	U	J0	1.52	25.0	5	04/11/2018 15:06	WG1096656
Iodomethane	U		1.88	50.0	5	04/11/2018 15:06	WG1096656
Isopropylbenzene	U		0.630	2.50	5	04/11/2018 15:06	WG1096656
p-Isopropyltoluene	U		0.690	2.50	5	04/11/2018 15:06	WG1096656
2-Butanone (MEK)	11.5	J	6.40	25.0	5	04/11/2018 15:06	WG1096656
Methylene Chloride	U		5.35	12.5	5	04/11/2018 15:06	WG1096656
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	04/11/2018 15:06	WG1096656
Methyl tert-butyl ether	U		0.510	2.50	5	04/11/2018 15:06	WG1096656
Naphthalene	U		174	2500	1000	04/13/2018 13:23	WG1096656
n-Propylbenzene	U	J0	0.810	2.50	5	04/11/2018 15:06	WG1096656
Styrene	U	J0	0.585	2.50	5	04/11/2018 15:06	WG1096656
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	04/11/2018 15:06	WG1096656
1,1,2,2-Tetrachloroethane	U	J0	0.650	2.50	5	04/11/2018 15:06	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	04/11/2018 15:06	WG1096656
Tetrachloroethene	144		0.995	2.50	5	04/11/2018 15:06	WG1096656
Toluene	U		2.06	2.50	5	04/11/2018 15:06	WG1096656
1,2,3-Trichlorobenzene	U		0.820	2.50	5	04/11/2018 15:06	WG1096656
1,2,4-Trichlorobenzene	U		1.78	2.50	5	04/11/2018 15:06	WG1096656
1,1,1-Trichloroethane	U		0.470	2.50	5	04/11/2018 15:06	WG1096656
1,1,2-Trichloroethane	U		0.930	2.50	5	04/11/2018 15:06	WG1096656
Trichloroethene	170		0.765	2.50	5	04/11/2018 15:06	WG1096656
Trichlorofluoromethane	U		0.650	12.5	5	04/11/2018 15:06	WG1096656
1,2,3-Trichloropropane	U		1.24	12.5	5	04/11/2018 15:06	WG1096656
1,2,4-Trimethylbenzene	U		123	500	1000	04/13/2018 13:23	WG1096656
1,2,3-Trimethylbenzene	U		0.370	2.50	5	04/11/2018 15:06	WG1096656
1,3,5-Trimethylbenzene	U		0.620	2.50	5	04/11/2018 15:06	WG1096656
Vinyl acetate	U		3.22	25.0	5	04/11/2018 15:06	WG1096656
Vinyl chloride	3360		118	500	1000	04/13/2018 13:23	WG1096656
Xylenes, Total	U		316	1500	1000	04/13/2018 13:23	WG1096656
(S) Toluene-d8	*96.3*			*80.0-120*		*04/13/2018 13:23*	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 15:06*	WG1096656
(S) Dibromofluoromethane	*95.8*			*76.0-123*		*04/13/2018 13:23*	WG1096656
(S) Dibromofluoromethane	*89.5*			*76.0-123*		*04/11/2018 15:06*	WG1096656
(S) 4-Bromofluorobenzene	*81.0*			*80.0-120*		*04/11/2018 15:06*	WG1096656
(S) 4-Bromofluorobenzene	*97.9*			*80.0-120*		*04/13/2018 13:23*	WG1096656

Sample Narrative:

L984615-03 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	445000		2710	20000	1	04/12/2018 07:37	WG1096558

Sample Narrative:

L984615-04 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	66700		51.9	1000	1	04/12/2018 00:35	WG1096561
Nitrate	U		22.7	100	1	04/12/2018 00:35	WG1096561
Sulfate	8610		77.4	5000	1	04/12/2018 00:35	WG1096561

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11500		102	1000	1	04/12/2018 16:20	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1640		15.0	100	1	04/15/2018 16:32	WG1096611
Manganese	721		0.250	5.00	1	04/15/2018 16:32	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	7040		31.6	100	1	04/11/2018 15:18	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-122*		*04/11/2018 15:18*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14900		5.74	13.6	20	04/17/2018 14:53	WG1099282
Ethane	1520		0.296	1.29	1	04/17/2018 11:51	WG1099029
Ethene	990		0.422	1.27	1	04/17/2018 11:51	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.72	J	1.05	25.0	1	04/11/2018 15:25	WG1096656
Acrylonitrile	U		0.873	5.00	1	04/11/2018 15:25	WG1096656
Benzene	U		22.4	125	250	04/13/2018 13:42	WG1096656
Bromobenzene	U		0.133	0.500	1	04/11/2018 15:25	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 15:25	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 15:25	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 15:25	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 15:25	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 15:25	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 15:25	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 15:25	WG1096656
Carbon disulfide	1.02	J0	0.101	0.500	1	04/11/2018 15:25	WG1096656
Carbon tetrachloride	U		0.159	0.500	1	04/11/2018 15:25	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/11/2018 15:25	WG1096656
Chlorodibromomethane	U		0.128	0.500	1	04/11/2018 15:25	WG1096656
Chloroethane	4.08		0.141	2.50	1	04/11/2018 15:25	WG1096656
Chloroform	U		0.0860	0.500	1	04/11/2018 15:25	WG1096656
Chloromethane	U		0.153	1.25	1	04/11/2018 15:25	WG1096656
2-Chlorotoluene	U		0.111	0.500	1	04/11/2018 15:25	WG1096656
4-Chlorotoluene	U		0.0972	0.500	1	04/11/2018 15:25	WG1096656
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/11/2018 15:25	WG1096656
1,2-Dibromoethane	U		0.193	0.500	1	04/11/2018 15:25	WG1096656
Dibromomethane	U		0.117	0.500	1	04/11/2018 15:25	WG1096656
1,2-Dichlorobenzene	U		0.101	0.500	1	04/11/2018 15:25	WG1096656
1,3-Dichlorobenzene	U		0.130	0.500	1	04/11/2018 15:25	WG1096656
1,4-Dichlorobenzene	U		0.121	0.500	1	04/11/2018 15:25	WG1096656
Dichlorodifluoromethane	U		0.127	2.50	1	04/11/2018 15:25	WG1096656
1,1-Dichloroethane	U		0.114	0.500	1	04/11/2018 15:25	WG1096656
1,2-Dichloroethane	U		0.108	0.500	1	04/11/2018 15:25	WG1096656
1,1-Dichloroethene	36.9		0.188	0.500	1	04/11/2018 15:25	WG1096656
cis-1,2-Dichloroethene	9710		23.3	125	250	04/13/2018 13:42	WG1096656
trans-1,2-Dichloroethene	21.1		0.152	0.500	1	04/11/2018 15:25	WG1096656
1,2-Dichloropropane	U		0.190	0.500	1	04/11/2018 15:25	WG1096656
1,1-Dichloropropene	U		0.128	0.500	1	04/11/2018 15:25	WG1096656
1,3-Dichloropropane	U		0.147	1.00	1	04/11/2018 15:25	WG1096656
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/11/2018 15:25	WG1096656
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/11/2018 15:25	WG1096656
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/11/2018 15:25	WG1096656
2,2-Dichloropropane	U		0.0929	0.500	1	04/11/2018 15:25	WG1096656
Di-isopropyl ether	U		0.0924	0.500	1	04/11/2018 15:25	WG1096656
Ethylbenzene	U		39.5	125	250	04/13/2018 13:42	WG1096656
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/11/2018 15:25	WG1096656
2-Hexanone	U		0.757	5.00	1	04/11/2018 15:25	WG1096656
n-Hexane	U	J0	0.305	5.00	1	04/11/2018 15:25	WG1096656
Iodomethane	U		0.377	10.0	1	04/11/2018 15:25	WG1096656
Isopropylbenzene	U		0.126	0.500	1	04/11/2018 15:25	WG1096656
p-Isopropyltoluene	U		0.138	0.500	1	04/11/2018 15:25	WG1096656
2-Butanone (MEK)	U		1.28	5.00	1	04/11/2018 15:25	WG1096656
Methylene Chloride	U		1.07	2.50	1	04/11/2018 15:25	WG1096656
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 15:25	WG1096656
Methyl tert-butyl ether	U		0.102	0.500	1	04/11/2018 15:25	WG1096656
Naphthalene	U		43.5	625	250	04/13/2018 13:42	WG1096656
n-Propylbenzene	U	J0	0.162	0.500	1	04/11/2018 15:25	WG1096656
Styrene	U	J0	0.117	0.500	1	04/11/2018 15:25	WG1096656
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 15:25	WG1096656
1,1,2,2-Tetrachloroethane	U	J0	0.130	0.500	1	04/11/2018 15:25	WG1096656
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 15:25	WG1096656
Tetrachloroethene	2500		49.8	125	250	04/13/2018 13:42	WG1096656
Toluene	1.63		0.412	0.500	1	04/11/2018 15:25	WG1096656
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 15:25	WG1096656
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 15:25	WG1096656
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 15:25	WG1096656
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 15:25	WG1096656
Trichloroethene	3200		38.2	125	250	04/13/2018 13:42	WG1096656
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 15:25	WG1096656
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 15:25	WG1096656
1,2,4-Trimethylbenzene	0.272	J	0.123	0.500	1	04/11/2018 15:25	WG1096656
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/11/2018 15:25	WG1096656
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/11/2018 15:25	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/11/2018 15:25	WG1096656
Vinyl chloride	766		29.5	125	250	04/13/2018 13:42	WG1096656
Xylenes, Total	U		79.0	375	250	04/13/2018 13:42	WG1096656
(S) Toluene-d8	*103*			*80.0-120*		*04/11/2018 15:25*	WG1096656
(S) Toluene-d8	*96.4*			*80.0-120*		*04/13/2018 13:42*	WG1096656
(S) Dibromofluoromethane	*90.2*			*76.0-123*		*04/11/2018 15:25*	WG1096656
(S) Dibromofluoromethane	*93.1*			*76.0-123*		*04/13/2018 13:42*	WG1096656
(S) 4-Bromofluorobenzene	*95.4*			*80.0-120*		*04/13/2018 13:42*	WG1096656
(S) 4-Bromofluorobenzene	*80.0*			*80.0-120*		*04/11/2018 15:25*	WG1096656

Sample Narrative:

L984615-04 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	409000		2710	20000	1	04/12/2018 07:59	WG1096558

Sample Narrative:

L984615-05 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	65600		51.9	1000	1	04/12/2018 00:48	WG1096561
Nitrate	87.0	J	22.7	100	1	04/12/2018 00:48	WG1096561
Sulfate	2080	J	77.4	5000	1	04/12/2018 00:48	WG1096561

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	39200		204	2000	2	04/12/2018 16:37	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	1380		15.0	100	1	04/15/2018 16:37	WG1096611
Manganese	536		0.250	5.00	1	04/15/2018 16:37	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	74.6	B J	31.6	100	1	04/11/2018 15:40	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-122*		*04/11/2018 15:40*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	36500		7.18	17.0	25	04/17/2018 14:57	WG1099282
Ethane	83.3		0.296	1.29	1	04/17/2018 11:57	WG1099029
Ethene	1440		0.422	1.27	1	04/17/2018 11:57	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	52.0		1.05	25.0	1	04/11/2018 15:44	WG1096656
Acrylonitrile	U		0.873	5.00	1	04/11/2018 15:44	WG1096656
Benzene	0.253	J	0.0896	0.500	1	04/13/2018 14:02	WG1096656
Bromobenzene	U		0.133	0.500	1	04/11/2018 15:44	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 15:44	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 15:44	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 15:44	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 15:44	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 15:44	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 15:44	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 15:44	WG1096656
Carbon disulfide	1.15	J0	0.101	0.500	1	04/11/2018 15:44	WG1096656
Carbon tetrachloride	U		0.159	0.500	1	04/11/2018 15:44	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/11/2018 15:44	WG1096656
Chlorodibromomethane	U		0.128	0.500	1	04/11/2018 15:44	WG1096656
Chloroethane	U		0.141	2.50	1	04/11/2018 15:44	WG1096656
Chloroform	U		0.0860	0.500	1	04/11/2018 15:44	WG1096656
Chloromethane	U		0.153	1.25	1	04/11/2018 15:44	WG1096656
2-Chlorotoluene	U		0.111	0.500	1	04/11/2018 15:44	WG1096656
4-Chlorotoluene	U		0.0972	0.500	1	04/11/2018 15:44	WG1096656
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/11/2018 15:44	WG1096656
1,2-Dibromoethane	U		0.193	0.500	1	04/11/2018 15:44	WG1096656
Dibromomethane	U		0.117	0.500	1	04/11/2018 15:44	WG1096656
1,2-Dichlorobenzene	U		0.101	0.500	1	04/11/2018 15:44	WG1096656
1,3-Dichlorobenzene	U		0.130	0.500	1	04/11/2018 15:44	WG1096656
1,4-Dichlorobenzene	U		0.121	0.500	1	04/11/2018 15:44	WG1096656
Dichlorodifluoromethane	U		0.127	2.50	1	04/11/2018 15:44	WG1096656
1,1-Dichloroethane	U		0.114	0.500	1	04/11/2018 15:44	WG1096656
1,2-Dichloroethane	U		0.108	0.500	1	04/11/2018 15:44	WG1096656
1,1-Dichloroethene	U		0.188	0.500	1	04/11/2018 15:44	WG1096656
cis-1,2-Dichloroethene	59.1		0.0933	0.500	1	04/11/2018 15:44	WG1096656
trans-1,2-Dichloroethene	0.388	J	0.152	0.500	1	04/11/2018 15:44	WG1096656
1,2-Dichloropropane	U		0.190	0.500	1	04/11/2018 15:44	WG1096656
1,1-Dichloropropene	U		0.128	0.500	1	04/11/2018 15:44	WG1096656
1,3-Dichloropropane	U		0.147	1.00	1	04/11/2018 15:44	WG1096656
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/11/2018 15:44	WG1096656
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/11/2018 15:44	WG1096656
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/11/2018 15:44	WG1096656
2,2-Dichloropropane	U		0.0929	0.500	1	04/11/2018 15:44	WG1096656
Di-isopropyl ether	U		0.0924	0.500	1	04/11/2018 15:44	WG1096656
Ethylbenzene	U		0.158	0.500	1	04/13/2018 14:02	WG1096656
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/11/2018 15:44	WG1096656
2-Hexanone	U		0.757	5.00	1	04/11/2018 15:44	WG1096656
n-Hexane	U	J0	0.305	5.00	1	04/11/2018 15:44	WG1096656
Iodomethane	U		0.377	10.0	1	04/11/2018 15:44	WG1096656
Isopropylbenzene	U		0.126	0.500	1	04/11/2018 15:44	WG1096656
p-Isopropyltoluene	U		0.138	0.500	1	04/11/2018 15:44	WG1096656
2-Butanone (MEK)	9.14		1.28	5.00	1	04/11/2018 15:44	WG1096656
Methylene Chloride	U		1.07	2.50	1	04/11/2018 15:44	WG1096656
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 15:44	WG1096656
Methyl tert-butyl ether	U		0.102	0.500	1	04/11/2018 15:44	WG1096656
Naphthalene	U		0.174	2.50	1	04/11/2018 15:44	WG1096656
n-Propylbenzene	U	J0	0.162	0.500	1	04/11/2018 15:44	WG1096656
Styrene	U	J0	0.117	0.500	1	04/11/2018 15:44	WG1096656
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 15:44	WG1096656
1,1,2,2-Tetrachloroethane	U	J0	0.130	0.500	1	04/11/2018 15:44	WG1096656
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 15:44	WG1096656
Tetrachloroethene	1.13		0.199	0.500	1	04/13/2018 14:02	WG1096656
Toluene	U		0.412	0.500	1	04/11/2018 15:44	WG1096656
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 15:44	WG1096656
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 15:44	WG1096656
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 15:44	WG1096656
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 15:44	WG1096656
Trichloroethene	0.310	J	0.153	0.500	1	04/13/2018 14:02	WG1096656
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 15:44	WG1096656
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 15:44	WG1096656
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/11/2018 15:44	WG1096656
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/11/2018 15:44	WG1096656
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/11/2018 15:44	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/11/2018 15:44	WG1096656
Vinyl chloride	11.4		0.118	0.500	1	04/13/2018 14:02	WG1096656
Xylenes, Total	U		0.316	1.50	1	04/13/2018 14:02	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 15:44*	WG1096656
(S) Toluene-d8	*96.9*			*80.0-120*		*04/13/2018 14:02*	WG1096656
(S) Dibromofluoromethane	*92.7*			*76.0-123*		*04/13/2018 14:02*	WG1096656
(S) Dibromofluoromethane	*90.5*			*76.0-123*		*04/11/2018 15:44*	WG1096656
(S) 4-Bromofluorobenzene	*79.6*	J2		*80.0-120*		*04/11/2018 15:44*	WG1096656
(S) 4-Bromofluorobenzene	*97.6*			*80.0-120*		*04/13/2018 14:02*	WG1096656

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	312000		2710	20000	1	04/12/2018 08:06	WG1096558

Sample Narrative:

L984615-06 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	128000		260	5000	5	04/12/2018 00:24	WG1096737
Nitrate	U		22.7	100	1	04/12/2018 00:08	WG1096737
Sulfate	15000		77.4	5000	1	04/12/2018 00:08	WG1096737

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	13200		102	1000	1	04/12/2018 16:54	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	210		15.0	100	1	04/15/2018 16:41	WG1096611
Manganese	386		0.250	5.00	1	04/15/2018 16:41	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	40600		632	2000	20	04/11/2018 16:02	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-122*		*04/11/2018 16:02*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1590		0.287	0.678	1	04/17/2018 12:03	WG1099029
Ethane	41.1		0.296	1.29	1	04/17/2018 12:03	WG1099029
Ethene	1830		0.422	1.27	1	04/17/2018 12:03	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	22.5	J	21.0	500	20	04/11/2018 16:03	WG1096656
Acrylonitrile	U		17.5	100	20	04/11/2018 16:03	WG1096656
Benzene	U		224	1250	2500	04/13/2018 15:21	WG1096656
Bromobenzene	U		2.66	10.0	20	04/11/2018 16:03	WG1096656
Bromodichloromethane	U		1.60	10.0	20	04/11/2018 16:03	WG1096656
Bromochloromethane	U		2.90	10.0	20	04/11/2018 16:03	WG1096656
Bromoform	U		3.72	10.0	20	04/11/2018 16:03	WG1096656
Bromomethane	U		3.14	50.0	20	04/11/2018 16:03	WG1096656
n-Butylbenzene	U		2.86	10.0	20	04/11/2018 16:03	WG1096656
sec-Butylbenzene	U		2.68	10.0	20	04/11/2018 16:03	WG1096656
tert-Butylbenzene	U		3.66	10.0	20	04/11/2018 16:03	WG1096656
Carbon disulfide	U	J0	2.02	10.0	20	04/11/2018 16:03	WG1096656
Carbon tetrachloride	U		3.18	10.0	20	04/11/2018 16:03	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		2.80	10.0	20	04/11/2018 16:03	WG1096656
Chlorodibromomethane	U		2.56	10.0	20	04/11/2018 16:03	WG1096656
Chloroethane	U		2.82	50.0	20	04/11/2018 16:03	WG1096656
Chloroform	U		1.72	10.0	20	04/11/2018 16:03	WG1096656
Chloromethane	U		3.06	25.0	20	04/11/2018 16:03	WG1096656
2-Chlorotoluene	U		2.22	10.0	20	04/11/2018 16:03	WG1096656
4-Chlorotoluene	U		1.94	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dibromo-3-Chloropropane	U		6.50	50.0	20	04/11/2018 16:03	WG1096656
1,2-Dibromoethane	U		3.86	10.0	20	04/11/2018 16:03	WG1096656
Dibromomethane	U		2.34	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dichlorobenzene	U		2.02	10.0	20	04/11/2018 16:03	WG1096656
1,3-Dichlorobenzene	U		2.60	10.0	20	04/11/2018 16:03	WG1096656
1,4-Dichlorobenzene	U		2.42	10.0	20	04/11/2018 16:03	WG1096656
Dichlorodifluoromethane	U		2.54	50.0	20	04/11/2018 16:03	WG1096656
1,1-Dichloroethane	U		2.28	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dichloroethane	U		2.16	10.0	20	04/11/2018 16:03	WG1096656
1,1-Dichloroethene	107		3.76	10.0	20	04/11/2018 16:03	WG1096656
cis-1,2-Dichloroethene	35300		233	1250	2500	04/13/2018 15:21	WG1096656
trans-1,2-Dichloroethene	42.1		3.04	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dichloropropane	U		3.80	10.0	20	04/11/2018 16:03	WG1096656
1,1-Dichloropropene	U		2.56	10.0	20	04/11/2018 16:03	WG1096656
1,3-Dichloropropane	U		2.94	20.0	20	04/11/2018 16:03	WG1096656
cis-1,3-Dichloropropene	U		1.95	10.0	20	04/11/2018 16:03	WG1096656
trans-1,3-Dichloropropene	U		4.44	10.0	20	04/11/2018 16:03	WG1096656
trans-1,4-Dichloro-2-butene	U		5.14	100	20	04/11/2018 16:03	WG1096656
2,2-Dichloropropane	U		1.86	10.0	20	04/11/2018 16:03	WG1096656
Di-isopropyl ether	U		1.85	10.0	20	04/11/2018 16:03	WG1096656
Ethylbenzene	3.27	J	3.16	10.0	20	04/11/2018 16:03	WG1096656
Hexachloro-1,3-butadiene	U		3.14	20.0	20	04/11/2018 16:03	WG1096656
2-Hexanone	U		15.1	100	20	04/11/2018 16:03	WG1096656
n-Hexane	U	J0	6.10	100	20	04/11/2018 16:03	WG1096656
Iodomethane	U		7.54	200	20	04/11/2018 16:03	WG1096656
Isopropylbenzene	U		2.52	10.0	20	04/11/2018 16:03	WG1096656
p-Isopropyltoluene	U		2.76	10.0	20	04/11/2018 16:03	WG1096656
2-Butanone (MEK)	U		25.6	100	20	04/11/2018 16:03	WG1096656
Methylene Chloride	U		21.4	50.0	20	04/11/2018 16:03	WG1096656
4-Methyl-2-pentanone (MIBK)	U		16.5	100	20	04/11/2018 16:03	WG1096656
Methyl tert-butyl ether	U		2.04	10.0	20	04/11/2018 16:03	WG1096656
Naphthalene	U		3.48	50.0	20	04/11/2018 16:03	WG1096656
n-Propylbenzene	U	J0	3.24	10.0	20	04/11/2018 16:03	WG1096656
Styrene	U	J0	2.34	10.0	20	04/11/2018 16:03	WG1096656
1,1,1,2-Tetrachloroethane	U		2.40	10.0	20	04/11/2018 16:03	WG1096656
1,1,2,2-Tetrachloroethane	U	J0	2.60	10.0	20	04/11/2018 16:03	WG1096656
1,1,2-Trichlorotrifluoroethane	U		3.28	10.0	20	04/11/2018 16:03	WG1096656
Tetrachloroethene	67300		498	1250	2500	04/13/2018 15:21	WG1096656
Toluene	U		8.24	10.0	20	04/11/2018 16:03	WG1096656
1,2,3-Trichlorobenzene	U		3.28	10.0	20	04/11/2018 16:03	WG1096656
1,2,4-Trichlorobenzene	U		7.10	10.0	20	04/11/2018 16:03	WG1096656
1,1,1-Trichloroethane	U		1.88	10.0	20	04/11/2018 16:03	WG1096656
1,1,2-Trichloroethane	U		3.72	10.0	20	04/11/2018 16:03	WG1096656
Trichloroethene	6550		382	1250	2500	04/13/2018 15:21	WG1096656
Trichlorofluoromethane	U		2.60	50.0	20	04/11/2018 16:03	WG1096656
1,2,3-Trichloropropane	U		4.94	50.0	20	04/11/2018 16:03	WG1096656
1,2,4-Trimethylbenzene	3.63	J	2.46	10.0	20	04/11/2018 16:03	WG1096656
1,2,3-Trimethylbenzene	1.91	J	1.48	10.0	20	04/11/2018 16:03	WG1096656
1,3,5-Trimethylbenzene	U		2.48	10.0	20	04/11/2018 16:03	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		12.9	100	20	04/11/2018 16:03	WG1096656
Vinyl chloride	3660		295	1250	2500	04/13/2018 15:21	WG1096656
Xylenes, Total	U		790	3750	2500	04/13/2018 15:21	WG1096656
(S) Toluene-d8	*97.4*			*80.0-120*		*04/13/2018 15:21*	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 16:03*	WG1096656
(S) Dibromofluoromethane	*90.1*			*76.0-123*		*04/11/2018 16:03*	WG1096656
(S) Dibromofluoromethane	*92.8*			*76.0-123*		*04/13/2018 15:21*	WG1096656
(S) 4-Bromofluorobenzene	*79.9*	J2		*80.0-120*		*04/11/2018 16:03*	WG1096656
(S) 4-Bromofluorobenzene	*96.2*			*80.0-120*		*04/13/2018 15:21*	WG1096656

Sample Narrative:

L984615-06 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	504000		2710	20000	1	04/12/2018 08:12	WG1096558

Sample Narrative:

L984615-07 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	44600		51.9	1000	1	04/12/2018 00:39	WG1096737
Nitrate	U		22.7	100	1	04/12/2018 00:39	WG1096737
Sulfate	16900		77.4	5000	1	04/12/2018 00:39	WG1096737

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9940		102	1000	1	04/12/2018 18:25	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2180		15.0	100	1	04/15/2018 16:46	WG1096611
Manganese	2700		0.250	5.00	1	04/15/2018 16:46	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	11700		158	500	5	04/11/2018 16:46	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-122*		*04/11/2018 16:46*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14400		5.74	13.6	20	04/17/2018 15:00	WG1099282
Ethane	414		0.296	1.29	1	04/17/2018 12:08	WG1099029
Ethene	363		0.422	1.27	1	04/17/2018 12:08	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		5.25	125	5	04/11/2018 16:21	WG1096656
Acrylonitrile	U		4.36	25.0	5	04/11/2018 16:21	WG1096656
Benzene	U		44.8	250	500	04/13/2018 15:40	WG1096656
Bromobenzene	U		0.665	2.50	5	04/11/2018 16:21	WG1096656
Bromodichloromethane	U		0.400	2.50	5	04/11/2018 16:21	WG1096656
Bromochloromethane	U		0.725	2.50	5	04/11/2018 16:21	WG1096656
Bromoform	U		0.930	2.50	5	04/11/2018 16:21	WG1096656
Bromomethane	U		0.785	12.5	5	04/11/2018 16:21	WG1096656
n-Butylbenzene	U		0.715	2.50	5	04/11/2018 16:21	WG1096656
sec-Butylbenzene	U		0.670	2.50	5	04/11/2018 16:21	WG1096656
tert-Butylbenzene	U		0.915	2.50	5	04/11/2018 16:21	WG1096656
Carbon disulfide	U	J0	0.505	2.50	5	04/11/2018 16:21	WG1096656
Carbon tetrachloride	U		0.795	2.50	5	04/11/2018 16:21	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.700	2.50	5	04/11/2018 16:21	WG1096656
Chlorodibromomethane	U		0.640	2.50	5	04/11/2018 16:21	WG1096656
Chloroethane	28.8		0.705	12.5	5	04/11/2018 16:21	WG1096656
Chloroform	U		0.430	2.50	5	04/11/2018 16:21	WG1096656
Chloromethane	U		0.765	6.25	5	04/11/2018 16:21	WG1096656
2-Chlorotoluene	U		0.555	2.50	5	04/11/2018 16:21	WG1096656
4-Chlorotoluene	U		0.486	2.50	5	04/11/2018 16:21	WG1096656
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	04/11/2018 16:21	WG1096656
1,2-Dibromoethane	U		0.965	2.50	5	04/11/2018 16:21	WG1096656
Dibromomethane	U		0.585	2.50	5	04/11/2018 16:21	WG1096656
1,2-Dichlorobenzene	U		0.505	2.50	5	04/11/2018 16:21	WG1096656
1,3-Dichlorobenzene	U		0.650	2.50	5	04/11/2018 16:21	WG1096656
1,4-Dichlorobenzene	U		0.605	2.50	5	04/11/2018 16:21	WG1096656
Dichlorodifluoromethane	U		0.635	12.5	5	04/11/2018 16:21	WG1096656
1,1-Dichloroethane	U		0.570	2.50	5	04/11/2018 16:21	WG1096656
1,2-Dichloroethane	U		0.540	2.50	5	04/11/2018 16:21	WG1096656
1,1-Dichloroethene	35.5		0.940	2.50	5	04/11/2018 16:21	WG1096656
cis-1,2-Dichloroethene	10500		46.6	250	500	04/13/2018 15:40	WG1096656
trans-1,2-Dichloroethene	29.8		0.760	2.50	5	04/11/2018 16:21	WG1096656
1,2-Dichloropropane	U		0.950	2.50	5	04/11/2018 16:21	WG1096656
1,1-Dichloropropene	U		0.640	2.50	5	04/11/2018 16:21	WG1096656
1,3-Dichloropropane	U		0.735	5.00	5	04/11/2018 16:21	WG1096656
cis-1,3-Dichloropropene	U		0.488	2.50	5	04/11/2018 16:21	WG1096656
trans-1,3-Dichloropropene	U		1.11	2.50	5	04/11/2018 16:21	WG1096656
trans-1,4-Dichloro-2-butene	U		1.28	25.0	5	04/11/2018 16:21	WG1096656
2,2-Dichloropropane	U		0.464	2.50	5	04/11/2018 16:21	WG1096656
Di-isopropyl ether	U		0.462	2.50	5	04/11/2018 16:21	WG1096656
Ethylbenzene	0.813	J	0.790	2.50	5	04/11/2018 16:21	WG1096656
Hexachloro-1,3-butadiene	U		0.785	5.00	5	04/11/2018 16:21	WG1096656
2-Hexanone	U		3.78	25.0	5	04/11/2018 16:21	WG1096656
n-Hexane	U	J0	1.52	25.0	5	04/11/2018 16:21	WG1096656
Iodomethane	U		1.88	50.0	5	04/11/2018 16:21	WG1096656
Isopropylbenzene	U		0.630	2.50	5	04/11/2018 16:21	WG1096656
p-Isopropyltoluene	U		0.690	2.50	5	04/11/2018 16:21	WG1096656
2-Butanone (MEK)	U		6.40	25.0	5	04/11/2018 16:21	WG1096656
Methylene Chloride	U		5.35	12.5	5	04/11/2018 16:21	WG1096656
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	04/11/2018 16:21	WG1096656
Methyl tert-butyl ether	U		0.510	2.50	5	04/11/2018 16:21	WG1096656
Naphthalene	U		0.870	12.5	5	04/11/2018 16:21	WG1096656
n-Propylbenzene	U	J0	0.810	2.50	5	04/11/2018 16:21	WG1096656
Styrene	U	J0	0.585	2.50	5	04/11/2018 16:21	WG1096656
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	04/11/2018 16:21	WG1096656
1,1,2,2-Tetrachloroethane	U	J0	0.650	2.50	5	04/11/2018 16:21	WG1096656
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	04/11/2018 16:21	WG1096656
Tetrachloroethene	19200		99.5	250	500	04/13/2018 15:40	WG1096656
Toluene	U		2.06	2.50	5	04/11/2018 16:21	WG1096656
1,2,3-Trichlorobenzene	U		0.820	2.50	5	04/11/2018 16:21	WG1096656
1,2,4-Trichlorobenzene	U		1.78	2.50	5	04/11/2018 16:21	WG1096656
1,1,1-Trichloroethane	U		0.470	2.50	5	04/11/2018 16:21	WG1096656
1,1,2-Trichloroethane	U		0.930	2.50	5	04/11/2018 16:21	WG1096656
Trichloroethene	8050		76.5	250	500	04/13/2018 15:40	WG1096656
Trichlorofluoromethane	U		0.650	12.5	5	04/11/2018 16:21	WG1096656
1,2,3-Trichloropropane	U		1.24	12.5	5	04/11/2018 16:21	WG1096656
1,2,4-Trimethylbenzene	1.37	J	0.615	2.50	5	04/11/2018 16:21	WG1096656
1,2,3-Trimethylbenzene	0.465	J	0.370	2.50	5	04/11/2018 16:21	WG1096656
1,3,5-Trimethylbenzene	U		0.620	2.50	5	04/11/2018 16:21	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		3.22	25.0	5	04/11/2018 16:21	WG1096656
Vinyl chloride	863		0.590	2.50	5	04/11/2018 16:21	WG1096656
Xylenes, Total	1.64	J	1.58	7.50	5	04/11/2018 16:21	WG1096656
(S) Toluene-d8	*97.9*			*80.0-120*		*04/13/2018 15:40*	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 16:21*	WG1096656
(S) Dibromofluoromethane	*88.8*			*76.0-123*		*04/11/2018 16:21*	WG1096656
(S) Dibromofluoromethane	*95.1*			*76.0-123*		*04/13/2018 15:40*	WG1096656
(S) 4-Bromofluorobenzene	*79.8*	J2		*80.0-120*		*04/11/2018 16:21*	WG1096656
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/13/2018 15:40*	WG1096656

Sample Narrative:

L984615-07 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 17:52	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-122*		*04/11/2018 17:52*	WG1096478

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/11/2018 16:59	WG1096656
Acrylonitrile	U		0.873	5.00	1	04/11/2018 16:59	WG1096656
Benzene	U		0.0896	0.500	1	04/13/2018 11:07	WG1096656
Bromobenzene	U		0.133	0.500	1	04/11/2018 16:59	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 16:59	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 16:59	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 16:59	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 16:59	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 16:59	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 16:59	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 16:59	WG1096656
Carbon disulfide	U	J0	0.101	0.500	1	04/11/2018 16:59	WG1096656
Carbon tetrachloride	U		0.159	0.500	1	04/11/2018 16:59	WG1096656
Chlorobenzene	U		0.140	0.500	1	04/11/2018 16:59	WG1096656
Chlorodibromomethane	U		0.128	0.500	1	04/11/2018 16:59	WG1096656
Chloroethane	U		0.141	2.50	1	04/11/2018 16:59	WG1096656
Chloroform	U		0.0860	0.500	1	04/11/2018 16:59	WG1096656
Chloromethane	U		0.153	1.25	1	04/11/2018 16:59	WG1096656
2-Chlorotoluene	U		0.111	0.500	1	04/11/2018 16:59	WG1096656
4-Chlorotoluene	U		0.0972	0.500	1	04/11/2018 16:59	WG1096656
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/11/2018 16:59	WG1096656
1,2-Dibromoethane	U		0.193	0.500	1	04/11/2018 16:59	WG1096656
Dibromomethane	U		0.117	0.500	1	04/11/2018 16:59	WG1096656
1,2-Dichlorobenzene	U		0.101	0.500	1	04/11/2018 16:59	WG1096656
1,3-Dichlorobenzene	U		0.130	0.500	1	04/11/2018 16:59	WG1096656
1,4-Dichlorobenzene	U		0.121	0.500	1	04/11/2018 16:59	WG1096656
Dichlorodifluoromethane	U		0.127	2.50	1	04/11/2018 16:59	WG1096656
1,1-Dichloroethane	U		0.114	0.500	1	04/11/2018 16:59	WG1096656
1,2-Dichloroethane	U		0.108	0.500	1	04/11/2018 16:59	WG1096656
1,1-Dichloroethene	U		0.188	0.500	1	04/11/2018 16:59	WG1096656
cis-1,2-Dichloroethene	0.563		0.0933	0.500	1	04/13/2018 11:07	WG1096656
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/11/2018 16:59	WG1096656
1,2-Dichloropropane	U		0.190	0.500	1	04/11/2018 16:59	WG1096656
1,1-Dichloropropene	U		0.128	0.500	1	04/11/2018 16:59	WG1096656
1,3-Dichloropropane	U		0.147	1.00	1	04/11/2018 16:59	WG1096656
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/11/2018 16:59	WG1096656
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/11/2018 16:59	WG1096656
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/11/2018 16:59	WG1096656
2,2-Dichloropropane	U		0.0929	0.500	1	04/11/2018 16:59	WG1096656
Di-isopropyl ether	U		0.0924	0.500	1	04/11/2018 16:59	WG1096656
Ethylbenzene	U		0.158	0.500	1	04/11/2018 16:59	WG1096656
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/11/2018 16:59	WG1096656
2-Hexanone	U		0.757	5.00	1	04/11/2018 16:59	WG1096656
n-Hexane	U	J0	0.305	5.00	1	04/11/2018 16:59	WG1096656
Iodomethane	U		0.377	10.0	1	04/11/2018 16:59	WG1096656
Isopropylbenzene	U		0.126	0.500	1	04/11/2018 16:59	WG1096656
p-Isopropyltoluene	U		0.138	0.500	1	04/11/2018 16:59	WG1096656
2-Butanone (MEK)	U		1.28	5.00	1	04/11/2018 16:59	WG1096656

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		1.07	2.50	1	04/11/2018 16:59	WG1096656
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 16:59	WG1096656
Methyl tert-butyl ether	U		0.102	0.500	1	04/11/2018 16:59	WG1096656
Naphthalene	U		0.174	2.50	1	04/11/2018 16:59	WG1096656
n-Propylbenzene	U	J0	0.162	0.500	1	04/11/2018 16:59	WG1096656
Styrene	U	J0	0.117	0.500	1	04/11/2018 16:59	WG1096656
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 16:59	WG1096656
1,1,2,2-Tetrachloroethane	U	J0	0.130	0.500	1	04/11/2018 16:59	WG1096656
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 16:59	WG1096656
Tetrachloroethene	0.294	J	0.199	0.500	1	04/13/2018 11:07	WG1096656
Toluene	U		0.412	0.500	1	04/11/2018 16:59	WG1096656
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 16:59	WG1096656
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 16:59	WG1096656
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 16:59	WG1096656
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 16:59	WG1096656
Trichloroethene	0.192	J	0.153	0.500	1	04/13/2018 11:07	WG1096656
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 16:59	WG1096656
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 16:59	WG1096656
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/11/2018 16:59	WG1096656
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/11/2018 16:59	WG1096656
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/11/2018 16:59	WG1096656
Vinyl acetate	U		0.645	5.00	1	04/11/2018 16:59	WG1096656
Vinyl chloride	U		0.118	0.500	1	04/11/2018 16:59	WG1096656
Xylenes, Total	U		0.316	1.50	1	04/11/2018 16:59	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 16:59*	WG1096656
(S) Toluene-d8	*101*			*80.0-120*		*04/13/2018 11:07*	WG1096656
(S) Dibromofluoromethane	*90.3*			*76.0-123*		*04/13/2018 11:07*	WG1096656
(S) Dibromofluoromethane	*92.0*			*76.0-123*		*04/11/2018 16:59*	WG1096656
(S) 4-Bromofluorobenzene	*79.5*	J2		*80.0-120*		*04/11/2018 16:59*	WG1096656
(S) 4-Bromofluorobenzene	*93.6*			*80.0-120*		*04/13/2018 11:07*	WG1096656

L984615-04 Original Sample (OS) • Duplicate (DUP)

(OS) L984615-04 04/12/18 07:37 • (DUP) R3301140-1 04/12/18 07:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	445000	444000	1	0.219		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L984642-11 Original Sample (OS) • Duplicate (DUP)

(OS) L984642-11 04/12/18 09:11 • (DUP) R3301140-4 04/12/18 09:17

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	242000	245000	1	1.28		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301140-2 04/12/18 07:50 • (LCSD) R3301140-3 04/12/18 09:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	111000	105000	111	105	85.0-115			5.57	20

Sample Narrative:

LCS: Endpoint pH 4.5

LCSD: Endpoint pH 4.5

Method Blank (MB)

(MB) R3301123-1 04/11/18 12:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L984609-03 Original Sample (OS) • Duplicate (DUP)

(OS) L984609-03 04/11/18 20:25 • (DUP) R3301123-4 04/11/18 20:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	472	429	1	9.58	J	15
Nitrate	U	0.000	1	0.000		15
Sulfate	365	380	1	3.95	J	15

L984609-04 Original Sample (OS) • Duplicate (DUP)

(OS) L984609-04 04/11/18 21:45 • (DUP) R3301123-7 04/11/18 21:59

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	7230	7270	1	0.571		15
Nitrate	89.6	94.1	1	4.90	J	15
Sulfate	8390	8410	1	0.321		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301123-2 04/11/18 13:11 • (LCSD) R3301123-3 04/11/18 13:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40000	39700	39800	99.4	99.5	80.0-120			0.116	15
Nitrate	8000	8110	8120	101	101	80.0-120			0.0850	15
Sulfate	40000	40300	40300	101	101	80.0-120			0.0402	15

L984609-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984609-03 04/11/18 20:25 • (MS) R3301123-5 04/11/18 20:52 • (MSD) R3301123-6 04/11/18 21:05

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	472	51900	52000	103	103	1	80.0-120			0.161	15
Nitrate	5000	U	5040	5170	101	103	1	80.0-120			2.55	15
Sulfate	50000	365	52100	52000	103	103	1	80.0-120			0.276	15

L984609-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L984609-04 04/11/18 21:45 • (MS) R3301123-8 04/11/18 22:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	7230	58100	102	1	80.0-120	
Nitrate	5000	89.6	5090	100	1	80.0-120	
Sulfate	50000	8390	59300	102	1	80.0-120	

Method Blank (MB)

(MB) R3301138-1 04/11/18 19:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L984480-01 Original Sample (OS) • Duplicate (DUP)

(OS) L984480-01 04/11/18 22:20 • (DUP) R3301138-4 04/11/18 22:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	37700	37800	1	0.223		15
Nitrate	1700	1820	1	7.27		15
Sulfate	50400	50100	1	0.688		15

L984800-03 Original Sample (OS) • Duplicate (DUP)

(OS) L984800-03 04/12/18 01:41 • (DUP) R3301138-7 04/12/18 01:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	4570	4730	1	3.40		15
Nitrate	U	0.000	1	0.000		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301138-2 04/11/18 19:35 • (LCSD) R3301138-3 04/11/18 19:51

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Chloride	40000	39400	39300	98.5	98.3	80.0-120			0.177	15
Nitrate	8000	8220	8240	103	103	80.0-120			0.166	15
Sulfate	40000	39400	39300	98.6	98.1	80.0-120			0.410	15

L984480-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984480-01 04/11/18 22:20 • (MS) R3301138-5 04/11/18 22:51 • (MSD) R3301138-6 04/11/18 23:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Chloride	50000	37700	86600	87200	97.9	99.1	1	80.0-120			0.673	15
Nitrate	5000	1700	6790	6820	102	102	1	80.0-120			0.437	15

L984480-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984480-01 04/11/18 22:20 • (MS) R3301138-5 04/11/18 22:51 • (MSD) R3301138-6 04/11/18 23:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	50400	98500	98700	96.1	96.6	1	80.0-120			0.276	15

L984800-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L984800-03 04/12/18 01:41 • (MS) R3301138-8 04/12/18 02:43

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	4570	55100	101	1	80.0-120	
Nitrate	5000	U	4730	94.5	1	80.0-120	

Method Blank (MB)

(MB) R3301481-1 04/12/18 09:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	U		102	1000

L984609-03 Original Sample (OS) • Duplicate (DUP)

(OS) L984609-03 04/12/18 15:10 • (DUP) R3301481-6 04/12/18 15:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC	3400	2920	1	15.1		20

L984816-09 Original Sample (OS) • Duplicate (DUP)

(OS) L984816-09 04/12/18 19:59 • (DUP) R3301481-7 04/12/18 20:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC	512	557	1	8.31	J	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301481-2 04/12/18 10:05 • (LCSD) R3301481-5 04/12/18 13:02

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
TOC	75000	72400	73700	96.5	98.2	85.0-115			1.78	20

L984450-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984450-01 04/12/18 10:44 • (MS) R3301481-3 04/12/18 11:03 • (MSD) R3301481-4 04/12/18 11:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC	25000	2640	49100	49200	93.0	93.1	2	80.0-120			0.102	20

Method Blank (MB)

(MB) R3302030-1 04/15/18 15:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	17.9	J	15.0	100
Manganese	U		0.250	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302030-2 04/15/18 15:40 • (LCSD) R3302030-3 04/15/18 15:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Iron	5000	5110	5060	102	101	80.0-120			1.15	20
Manganese	50.0	50.9	48.8	102	97.6	80.0-120			4.21	20

L984425-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984425-20 04/15/18 15:50 • (MS) R3302030-5 04/15/18 15:59 • (MSD) R3302030-6 04/15/18 16:04

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	5000	2140	7210	7480	101	107	1	75.0-125			3.76	20
Manganese	50.0	214	261	267	93.4	106	1	75.0-125			2.36	20

Method Blank (MB)

(MB) R3301440-3 04/11/18 10:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	35.2	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*98.7*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301440-1 04/11/18 08:47 • (LCSD) R3301440-2 04/11/18 09:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	5500	5570	100	101	72.0-134			1.15	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*106*	*77.0-122*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3302413-1 04/17/18 10:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L984988-06 Original Sample (OS) • Duplicate (DUP)

(OS) L984988-06 04/17/18 12:19 • (DUP) R3302413-2 04/17/18 13:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	U	0.000	1	0.000		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

L985009-05 Original Sample (OS) • Duplicate (DUP)

(OS) L985009-05 04/17/18 13:53 • (DUP) R3302413-3 04/17/18 14:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302413-4 04/17/18 14:24 • (LCSD) R3302413-5 04/17/18 14:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	75.9	75.8	112	112	85.0-115			0.156	20
Ethane	129	122	119	94.3	91.9	85.0-115			2.61	20
Ethene	127	125	122	98.6	96.3	85.0-115			2.38	20

Method Blank (MB)

(MB) R3302511-1 04/17/18 14:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678

L984615-04 Original Sample (OS) • Duplicate (DUP)

(OS) L984615-04 04/17/18 14:53 • (DUP) R3302511-2 04/17/18 15:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	14900	14800	20	0.636		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302511-3 04/17/18 15:10 • (LCSD) R3302511-4 04/17/18 15:17

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	77.8	74.2	115	109	85.0-115			4.72	20

Method Blank (MB)

(MB) R3301207-2 04/11/18 11:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
Dibromomethane	U		0.117	0.500
1,2-Dibromoethane	U		0.193	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,1-Dichloroethene	U		0.188	0.500
1,2-Dichloroethane	U		0.108	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
n-Hexane	U		0.305	5.00

Method Blank (MB)

(MB) R3301207-2 04/11/18 11:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Vinyl acetate	U		0.645	5.00
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	0.311	J	0.164	0.500
Toluene	U		0.412	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*89.2*			*76.0-123*
(S) 4-Bromofluorobenzene	*80.6*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3301207-1 04/11/18 11:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	21.9	87.6	76.0-122	
Acetone	125	117	93.9	10.0-160	
Acrylonitrile	125	112	89.8	60.0-142	
trans-1,4-Dichloro-2-butene	25.0	21.0	84.2	55.0-134	
Bromobenzene	25.0	20.3	81.3	79.0-120	
Bromodichloromethane	25.0	23.6	94.5	76.0-120	
Bromoform	25.0	20.7	82.9	67.0-132	
Bromomethane	25.0	23.6	94.4	18.0-160	
n-Hexane	25.0	18.6	74.4	56.0-124	
Iodomethane	125	104	83.1	57.0-140	
n-Butylbenzene	25.0	21.6	86.3	72.0-126	
sec-Butylbenzene	25.0	21.2	84.7	74.0-121	
tert-Butylbenzene	25.0	20.5	82.1	75.0-122	
Carbon disulfide	25.0	19.7	78.6	55.0-127	
Carbon tetrachloride	25.0	21.6	86.5	63.0-122	
Benzene	25.0	21.0	84.1	69.0-123	
Chlorobenzene	25.0	25.1	101	79.0-121	
Chlorodibromomethane	25.0	25.6	102	75.0-125	
Chloroethane	25.0	20.9	83.6	47.0-152	
Chloroform	25.0	22.5	89.9	72.0-121	
Chloromethane	25.0	20.5	82.0	48.0-139	
2-Chlorotoluene	25.0	20.5	82.0	74.0-122	
4-Chlorotoluene	25.0	20.7	82.6	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	23.4	93.8	64.0-127	
Dibromomethane	25.0	23.2	93.0	78.0-120	
1,2-Dichlorobenzene	25.0	23.8	95.2	80.0-120	
1,3-Dichlorobenzene	25.0	23.3	93.1	72.0-123	
1,4-Dichlorobenzene	25.0	23.0	92.1	77.0-120	
Dichlorodifluoromethane	25.0	21.4	85.6	49.0-155	
1,1-Dichloroethane	25.0	22.5	90.1	70.0-126	
1,1-Dichloroethene	25.0	20.7	82.6	64.0-129	
Vinyl acetate	125	101	80.6	46.0-160	
cis-1,2-Dichloroethene	25.0	21.2	84.9	73.0-120	
trans-1,2-Dichloroethene	25.0	20.6	82.4	71.0-121	
1,2-Dibromoethane	25.0	25.4	101	77.0-123	
1,2-Dichloropropane	25.0	24.2	96.9	75.0-125	
1,1-Dichloropropene	25.0	22.3	89.3	71.0-129	
1,3-Dichloropropane	25.0	26.0	104	80.0-121	
cis-1,3-Dichloropropene	25.0	26.2	105	79.0-123	
trans-1,3-Dichloropropene	25.0	26.2	105	74.0-127	

Laboratory Control Sample (LCS)

(LCS) R3301207-1 04/11/18 11:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Dichloropropane	25.0	22.9	91.7	60.0-125	
Di-isopropyl ether	25.0	23.1	92.3	59.0-133	
1,2-Dichloroethane	25.0	24.6	98.3	67.0-126	
Hexachloro-1,3-butadiene	25.0	27.6	111	64.0-131	
2-Hexanone	125	134	107	58.0-147	
Isopropylbenzene	25.0	20.0	80.1	75.0-120	
p-Isopropyltoluene	25.0	22.1	88.5	74.0-126	
2-Butanone (MEK)	125	108	86.6	37.0-158	
Methylene Chloride	25.0	20.6	82.2	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	135	108	59.0-143	
Ethylbenzene	25.0	25.0	100	77.0-120	
n-Propylbenzene	25.0	19.8	79.0	79.0-120	
Styrene	25.0	19.7	78.8	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	25.0	99.8	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	19.8	79.3	71.0-122	
Tetrachloroethene	25.0	24.3	97.2	70.0-127	
1,1,2-Trichlorotrifluoroethane	25.0	20.8	83.4	61.0-136	
1,2,3-Trichlorobenzene	25.0	21.6	86.6	61.0-133	
1,2,4-Trichlorobenzene	25.0	27.1	108	69.0-129	
1,1,1-Trichloroethane	25.0	22.7	90.9	68.0-122	
Methyl tert-butyl ether	25.0	22.8	91.1	64.0-123	
1,1,2-Trichloroethane	25.0	25.5	102	78.0-120	
Trichloroethene	25.0	24.7	98.9	78.0-120	
Naphthalene	25.0	24.5	98.1	62.0-128	
Trichlorofluoromethane	25.0	21.5	85.9	56.0-137	
1,2,3-Trichloropropane	25.0	20.5	82.1	72.0-124	
1,2,3-Trimethylbenzene	25.0	22.6	90.5	75.0-120	
1,2,4-Trimethylbenzene	25.0	20.5	82.1	75.0-120	
1,3,5-Trimethylbenzene	25.0	20.4	81.7	75.0-120	
Vinyl chloride	25.0	21.2	84.7	64.0-133	
Toluene	25.0	25.4	102	77.0-120	
Xylenes, Total	75.0	75.9	101	77.0-120	
(S) Toluene-d8			*104*	*80.0-120*	
(S) Dibromofluoromethane			*89.8*	*76.0-123*	
(S) 4-Bromofluorobenzene			*80.8*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

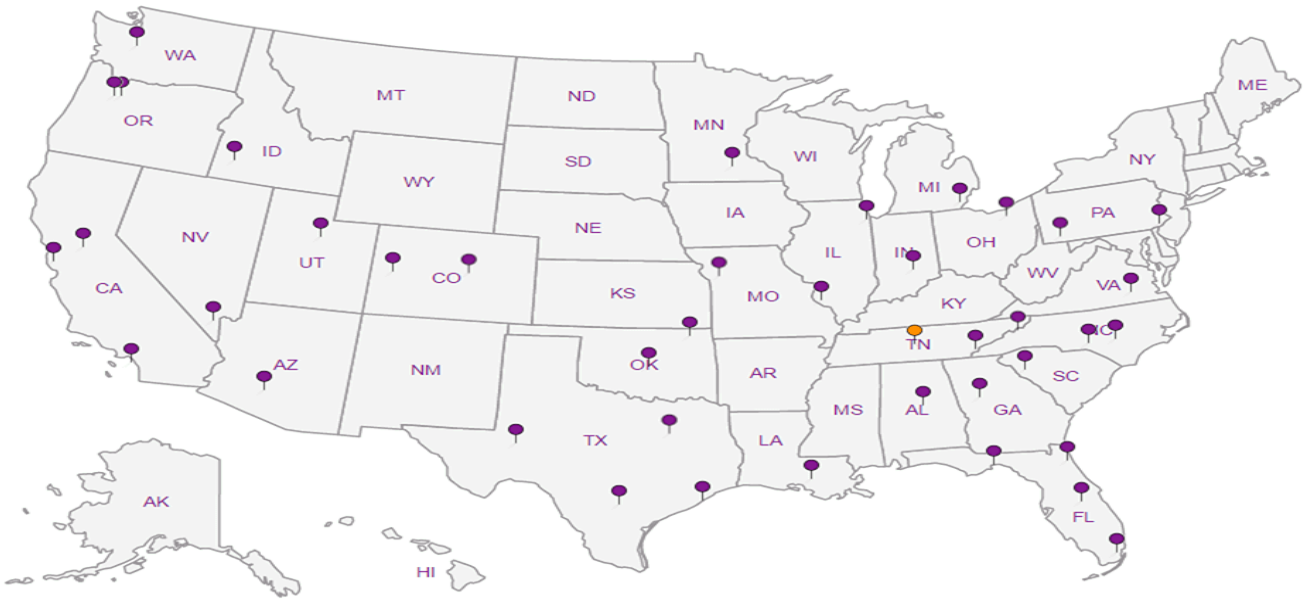
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen Supply

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
IW-42A-041018	Grab	GW		4/10/18	1102	3						X		-01
IW-41A-041018		GW		4/10/18	1238	3						X		-02
IW-47B-041018		GW		4/10/18	1347	3						X		-03
MW-150-041018		GW		4/10/18	1355	11	X	X	X	X	X	X		-04
MW-151-041018		GW		4/10/18	1017	11	X	X	X	X	X	X		-05
MW-152-041018		GW		4/10/18	0856	11	X	X	X	X	X	X		-06
MW-149-041018	V	GW		4/10/18	1222	11	X	X	X	X	X	X		-07
TRIP BLANK		GW				1	X	X	X	X	X	X		-08
		GW												
		GW												

Chain of Custody Page 1 of 1

ESC LAB SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L984615

Table #

Acctnum: PESENVSWA
Template: T134175
Prelogin: P645197
TSR: 110 - Brian Ford
PB: 3-22-18CS

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:*Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4196 3259 1959

Trip Blank Received: (Yes) / No
HCl / MeoH
TBR

Temp: 4.2 °C Bottles Received: 53

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 861

If preservation required by Login: Date/Time

Hold:

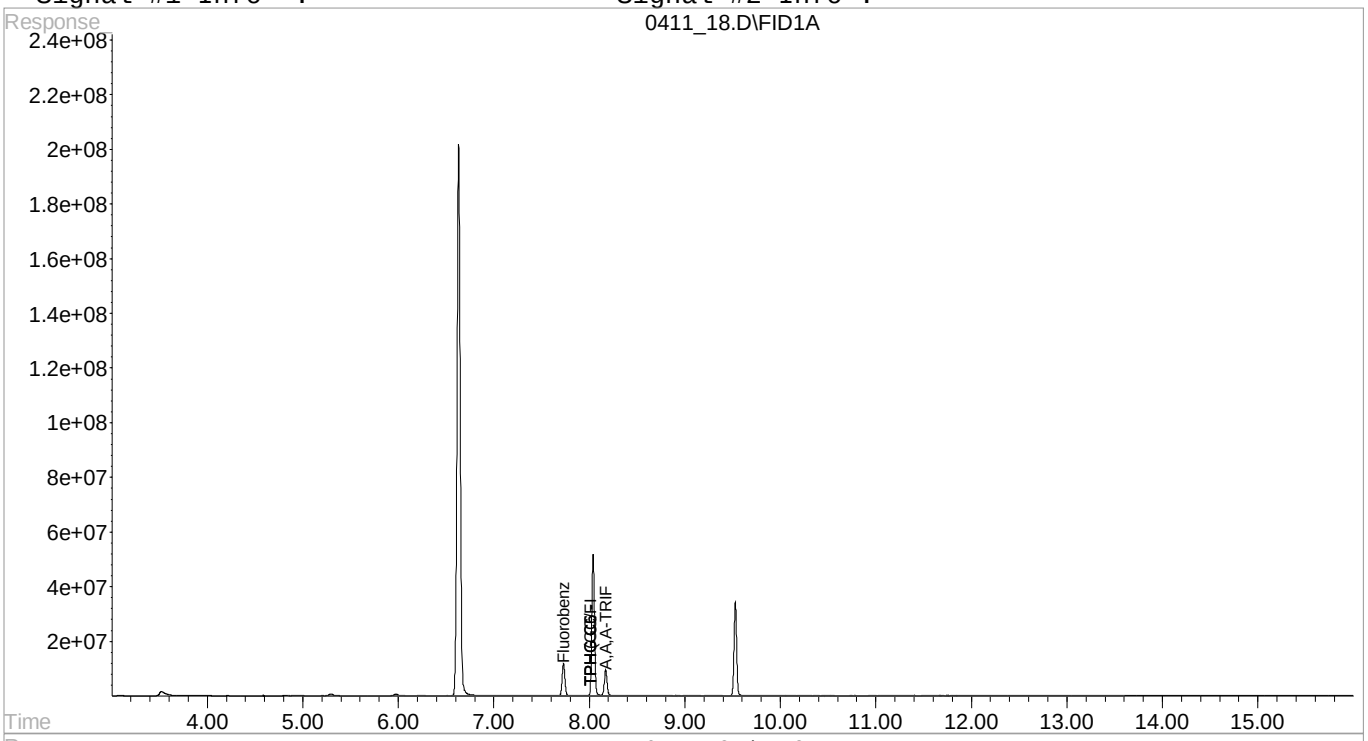
Condition: NCF / OK

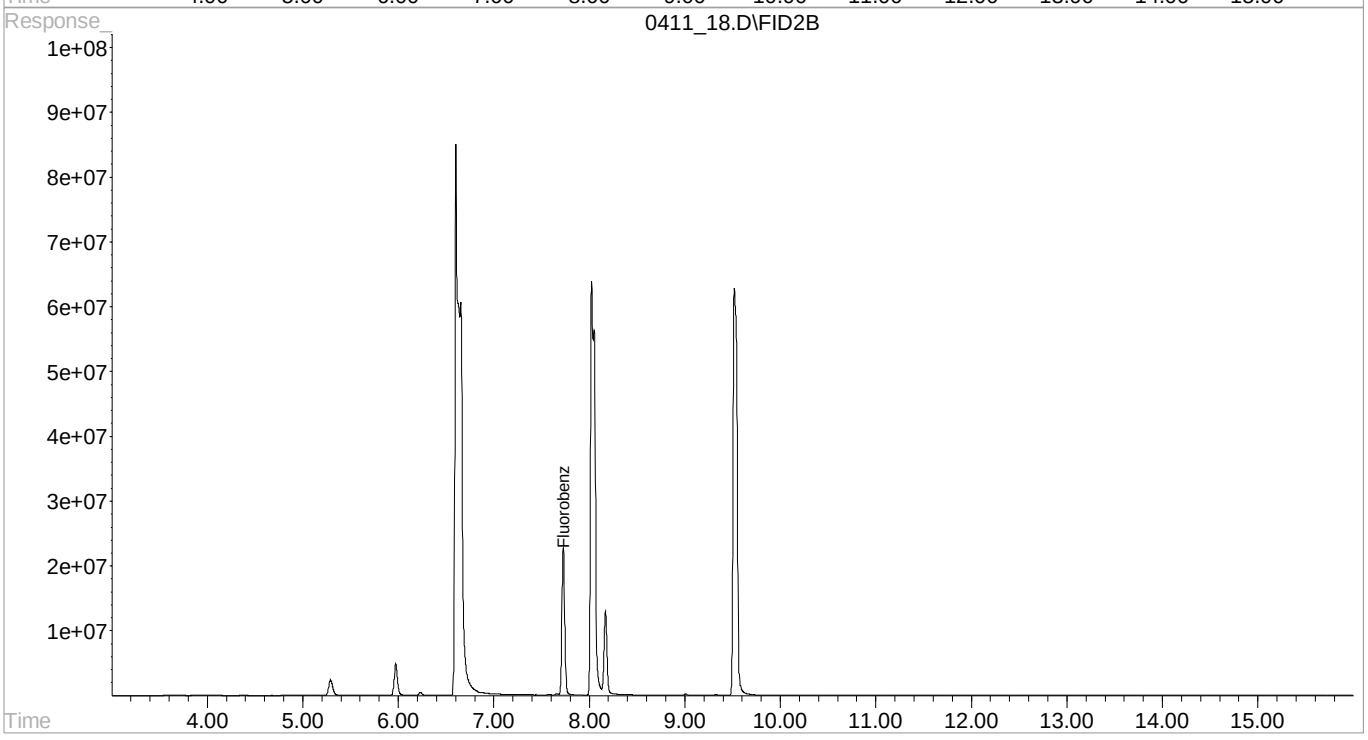
Date: 4/11/18 Time: 8:45

Signal #1 : C:\HPCHEM\1\DATA\041118\0411_18.D\FID1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA\041118\0411_18.D\FID2B.CH
Acq On : 11 Apr 2018 3:18 pm Operator: 605
Sample : L984615-04 1x WG1096478 Inst : VOCGC10
Misc : water Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Apr 12 20:51 2018 Quant Results File: BG10C29R.RES

Quant Method : C:\HPCHEM\1\METHODS\BG10C29R.M (Chemstation Integrator)
Title : WIS GRO VOCGC10
Last Update : Fri Mar 30 08:28:36 2018
Response via : Single Level Calibration
DataAcq Meth : GROWATER.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

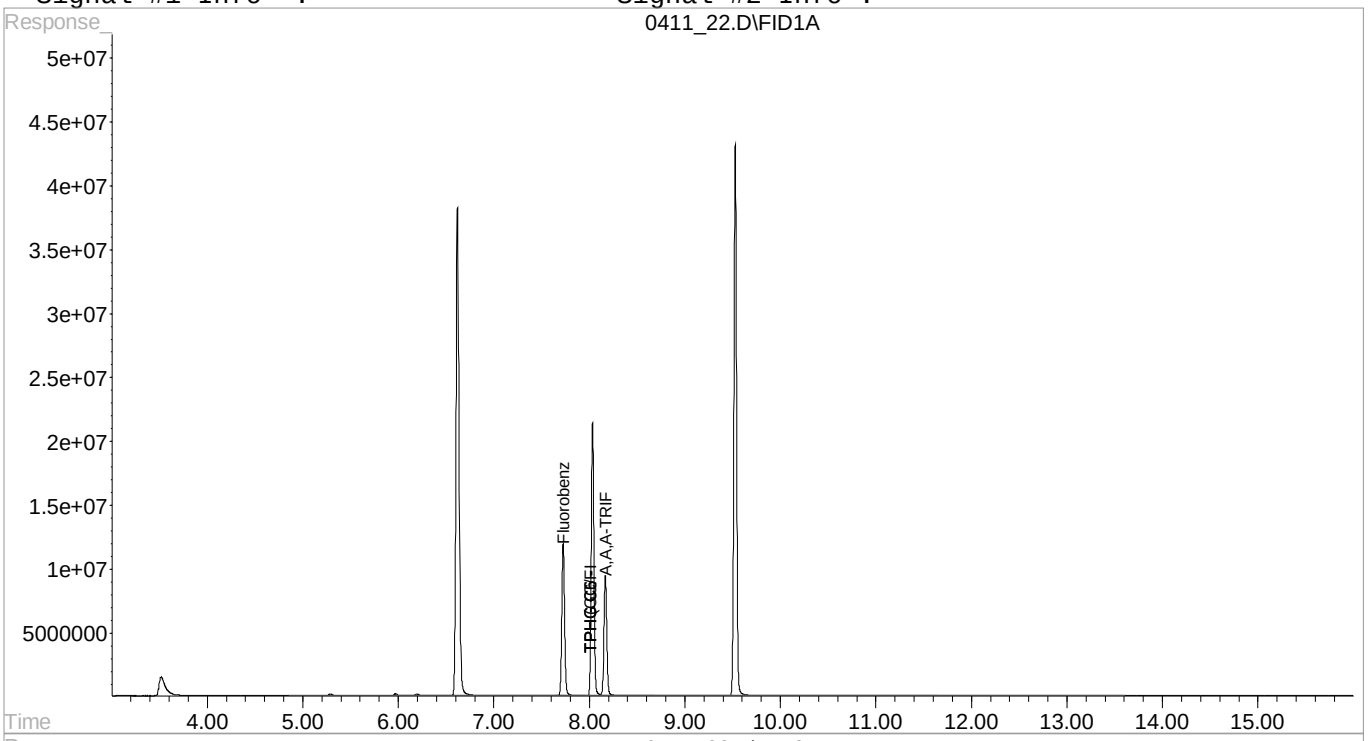


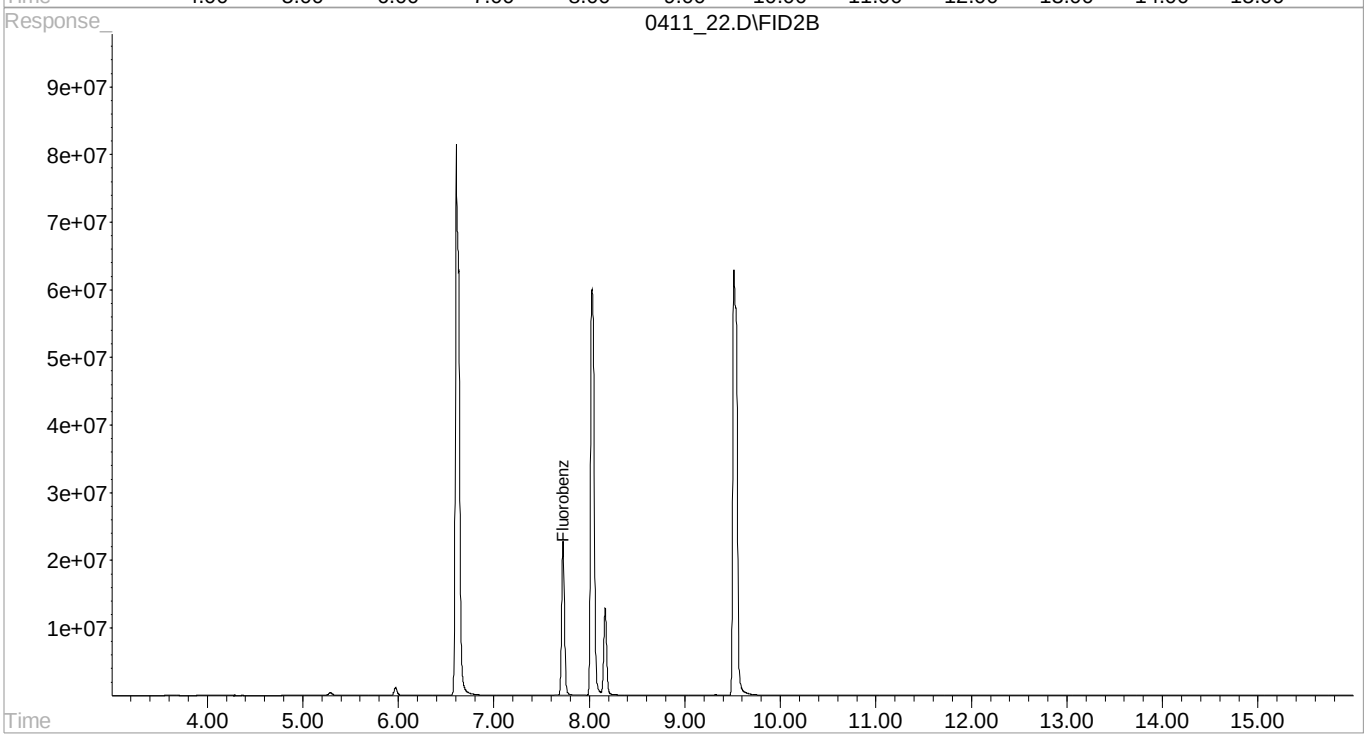


Signal #1 : C:\HPCHEM\1\DATA\041118\0411_22.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\041118\0411_22.D\FID2B.CH
Acq On : 11 Apr 2018 4:46 pm Operator: 605
Sample : L984615-07 5x WG1096478 Inst : VOCGC10
Misc : water Multiplr: 5.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Apr 12 20:53 2018 Quant Results File: BG10C29R.RES

Quant Method : C:\HPCHEM\1\METHODS\BG10C29R.M (Chemstation Integrator)
Title : WIS GRO VOCGC10
Last Update : Fri Mar 30 08:28:36 2018
Response via : Single Level Calibration
DataAcq Meth : GROWATER.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

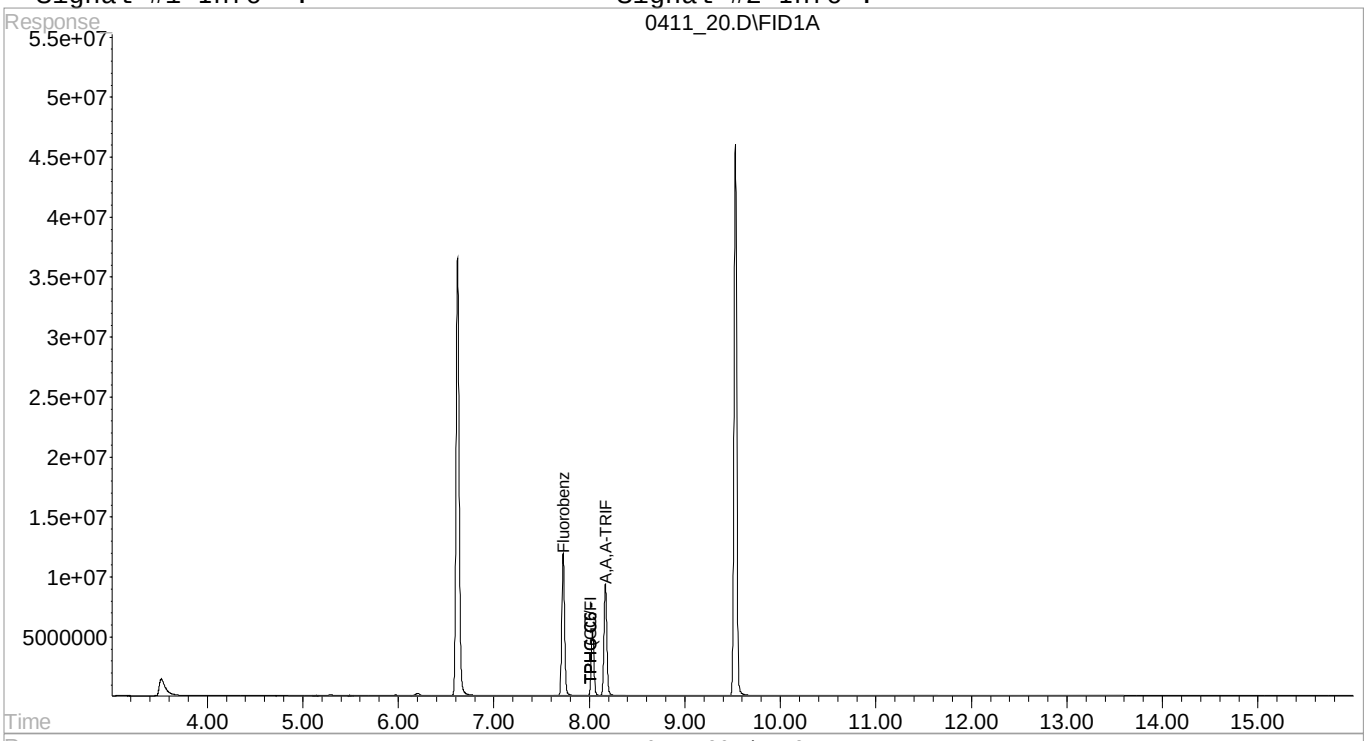


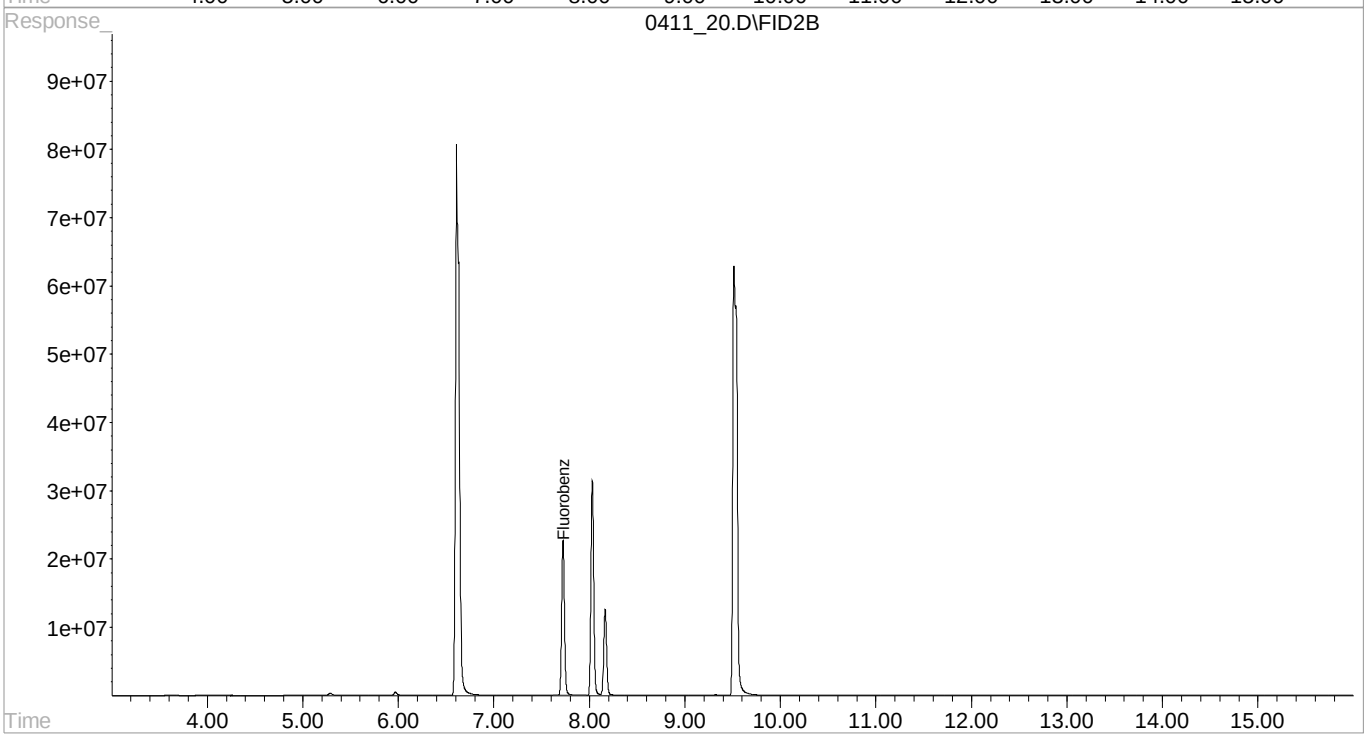


Signal #1 : C:\HPCHEM\1\DATA\041118\0411_20.D\FID1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\041118\0411_20.D\FID2B.CH
Acq On : 11 Apr 2018 4:02 pm Operator: 605
Sample : L984615-06 20x WG1096478 Inst : VOCGC10
Misc : water Multiplr: 20.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: Apr 12 20:51 2018 Quant Results File: BG10C29R.RES

Quant Method : C:\HPCHEM\1\METHODS\BG10C29R.M (Chemstation Integrator)
Title : WIS GRO VOCGC10
Last Update : Fri Mar 30 08:28:36 2018
Response via : Single Level Calibration
DataAcq Meth : GROWATER.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

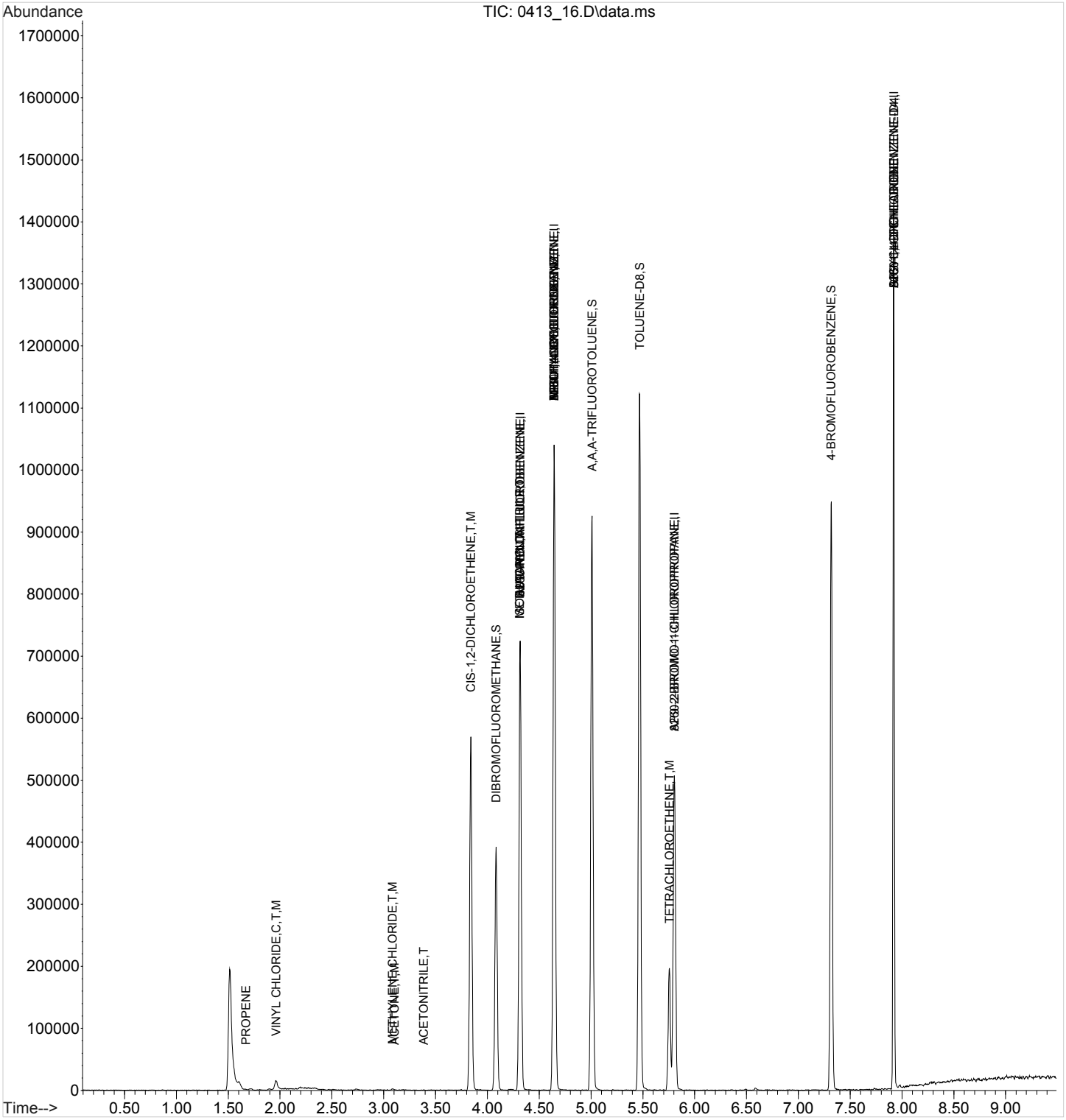




Quantitation Report (QT Reviewed)

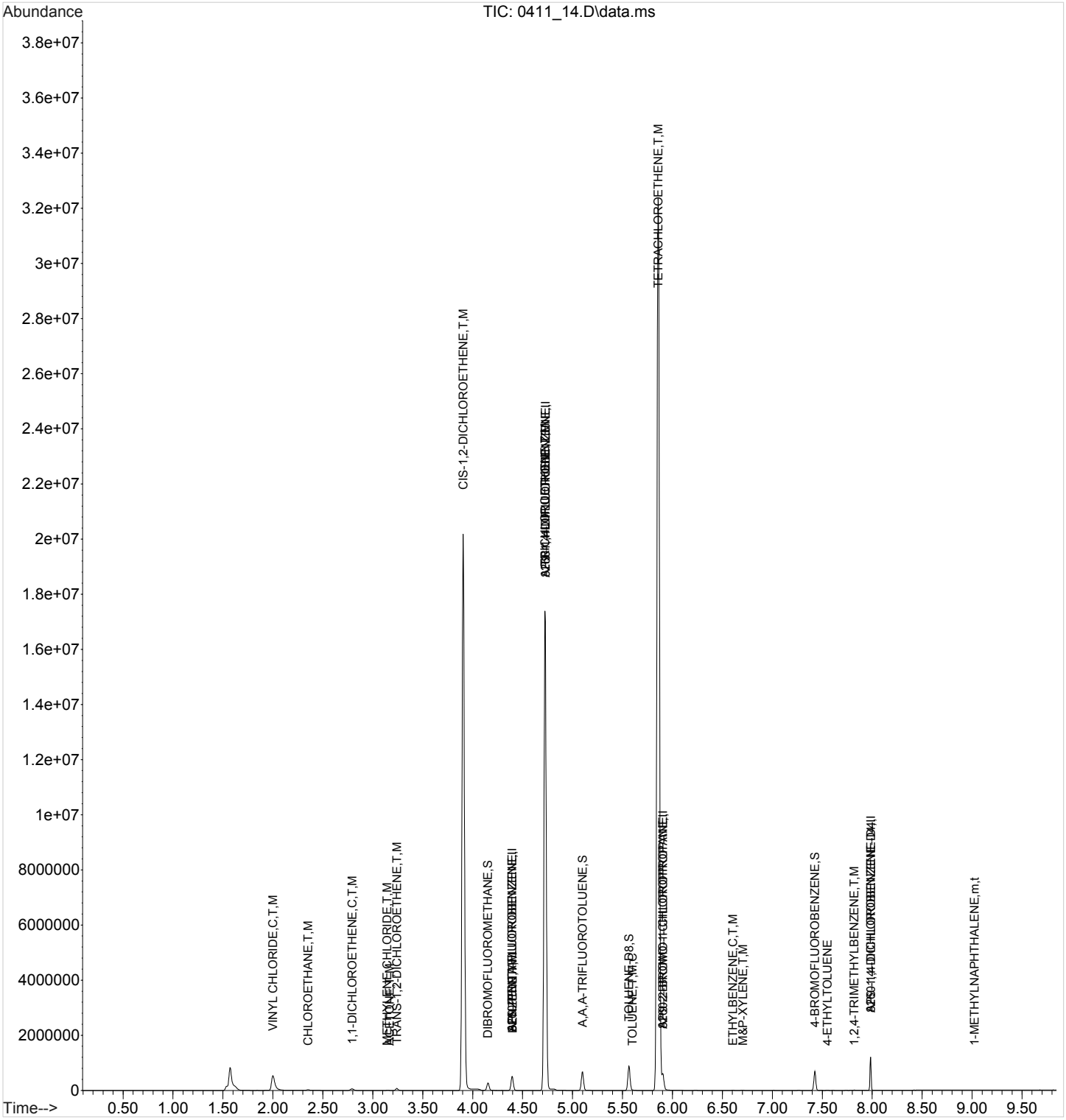
Data Path : C:\msdchem\1\data\041318\
Data File : 0413_16.D
Acq On : 13 Apr 2018 1:42 pm
Operator : 605
Sample : L984615-04 250x WG1096656 RE
Misc : water
ALS Vial : 16 Sample Multiplier: 250
InstName : VOCMS32

Quant Time: Apr 13 15:06:55 2018
Quant Method : C:\msdchem\1\methods\V832D03R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS32
QLast Update : Wed Apr 04 10:48:09 2018
Response via : Initial Calibration



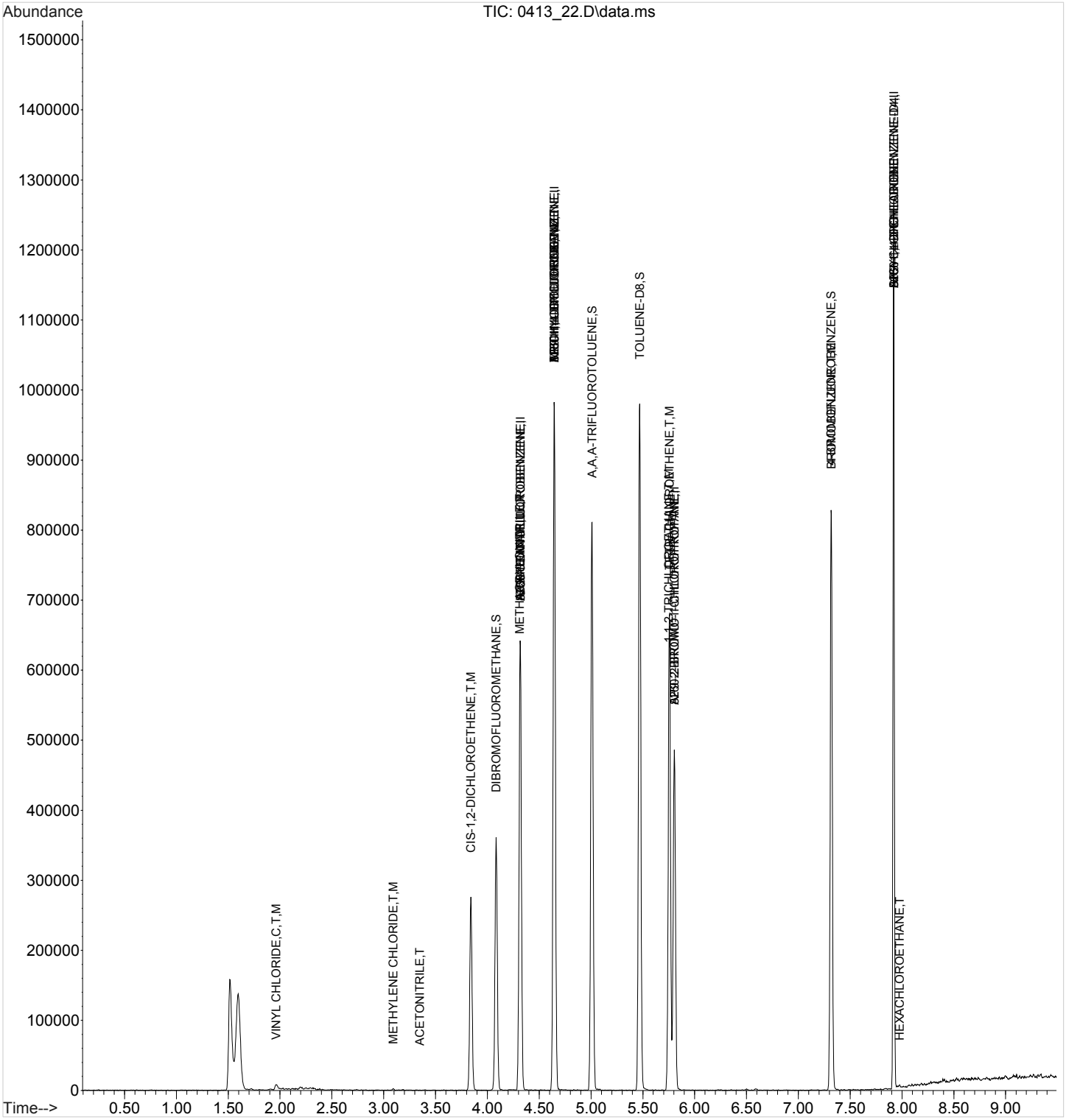
Data Path : C:\msdchem\1\data\041118\
Data File : 0411_14.D
Acq On : 11 Apr 2018 4:21 pm
Operator : 189
Sample : L984615-07 5x WG1096656
Misc : water
ALS Vial : 15 Sample Multiplier: 5
InstName : VOCMS38

Quant Time: Apr 12 11:49:30 2018
Quant Method : C:\msdchem\1\methods\V838C27R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS38
QLast Update : Tue Mar 27 10:47:25 2018
Response via : Initial Calibration



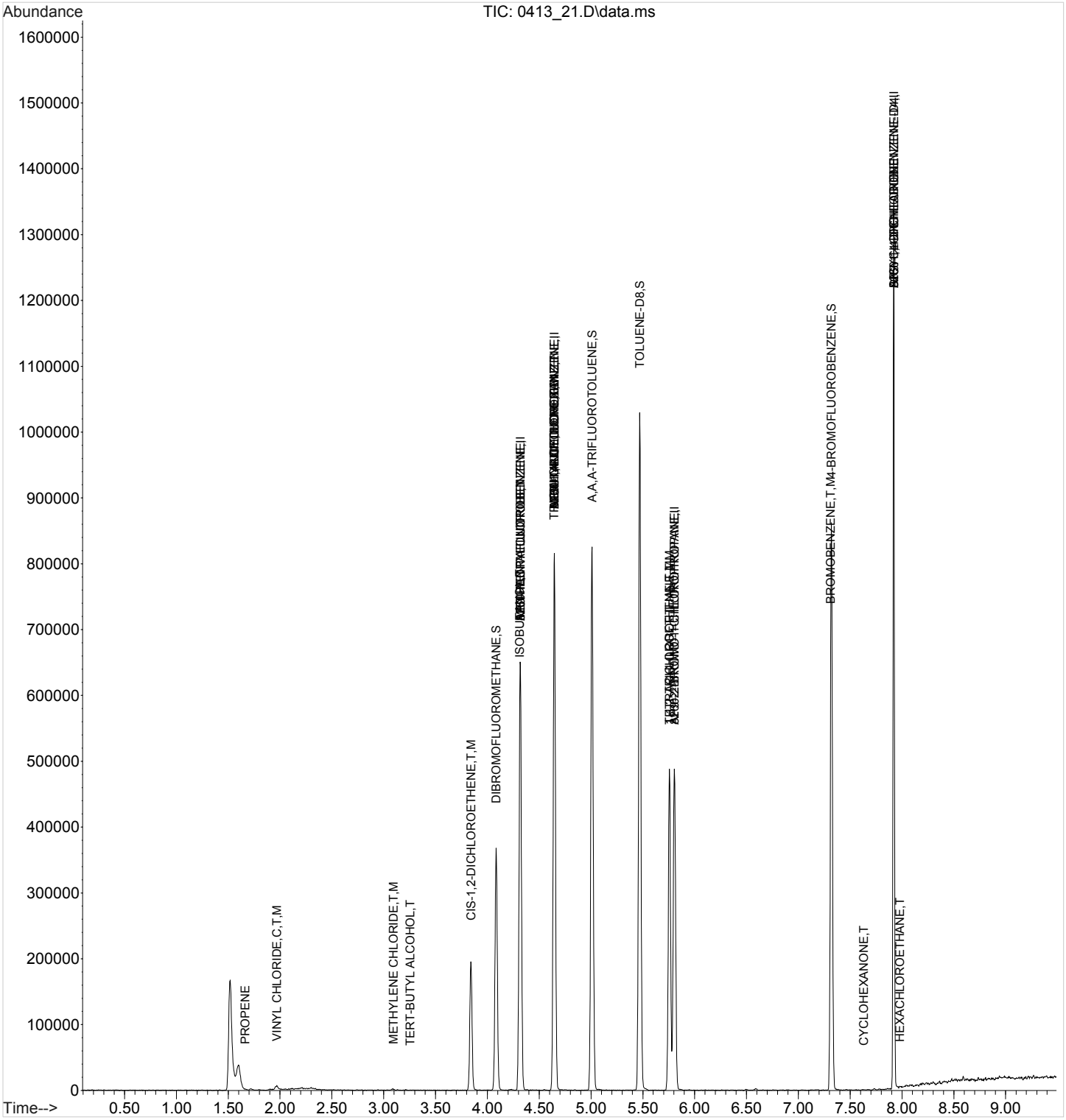
Data Path : C:\msdchem\1\data\041318\
Data File : 0413_22.D
Acq On : 13 Apr 2018 3:40 pm
Operator : 605
Sample : L984615-07 500x WG1096656 RE
Misc : water
ALS Vial : 19 Sample Multiplier: 500
InstName : VOCMS32

Quant Time: Apr 14 07:31:48 2018
Quant Method : C:\msdchem\1\methods\V832D03R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS32
QLast Update : Wed Apr 04 10:48:09 2018
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\041318\
Data File : 0413_21.D
Acq On : 13 Apr 2018 3:21 pm
Operator : 605
Sample : L984615-06 2500x WG1096656 RE
Misc : water
ALS Vial : 18 Sample Multiplier: 2500
InstName : VOCMS32

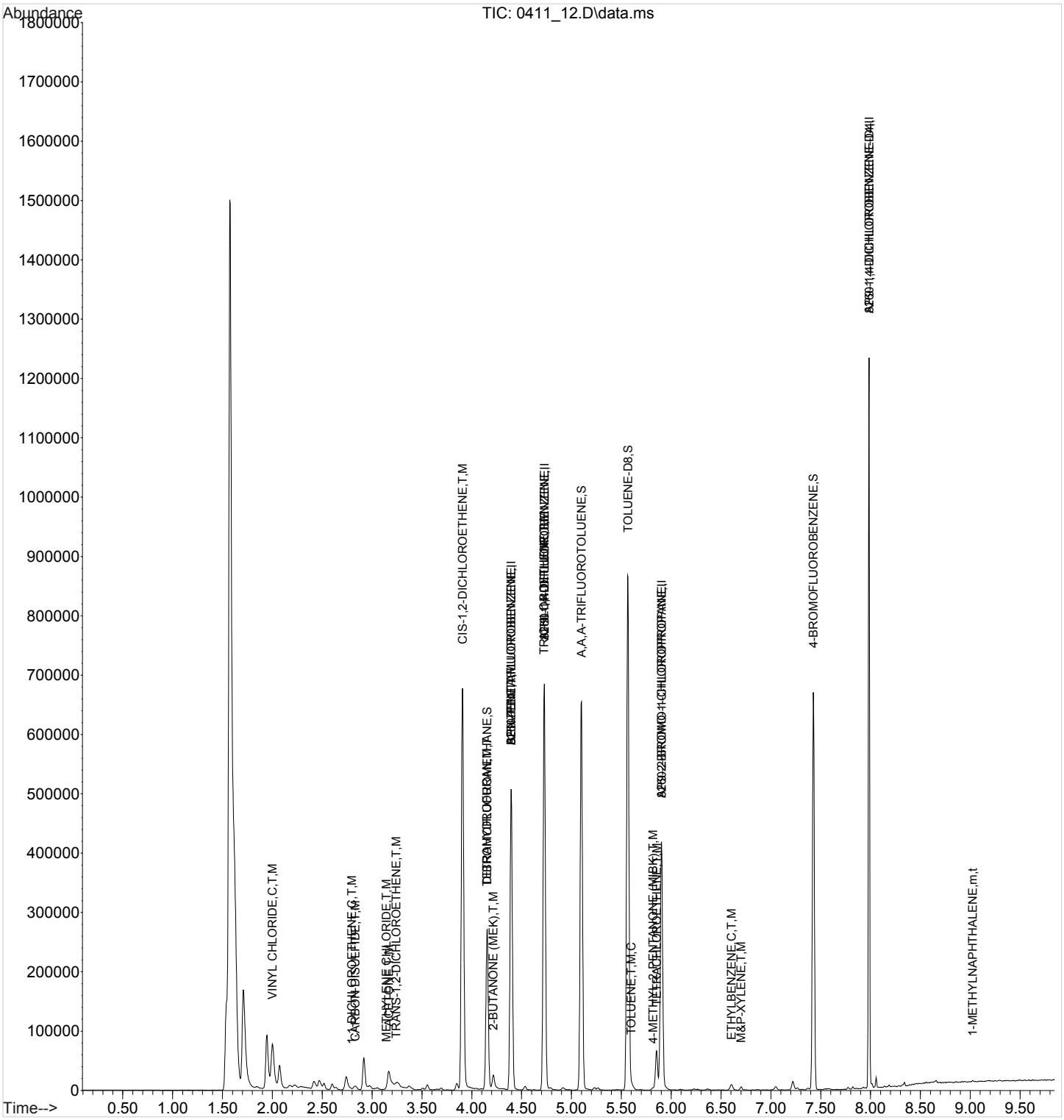
Quant Time: Apr 14 07:42:04 2018
Quant Method : C:\msdchem\1\methods\V832D03R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS32
QLast Update : Wed Apr 04 10:48:09 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

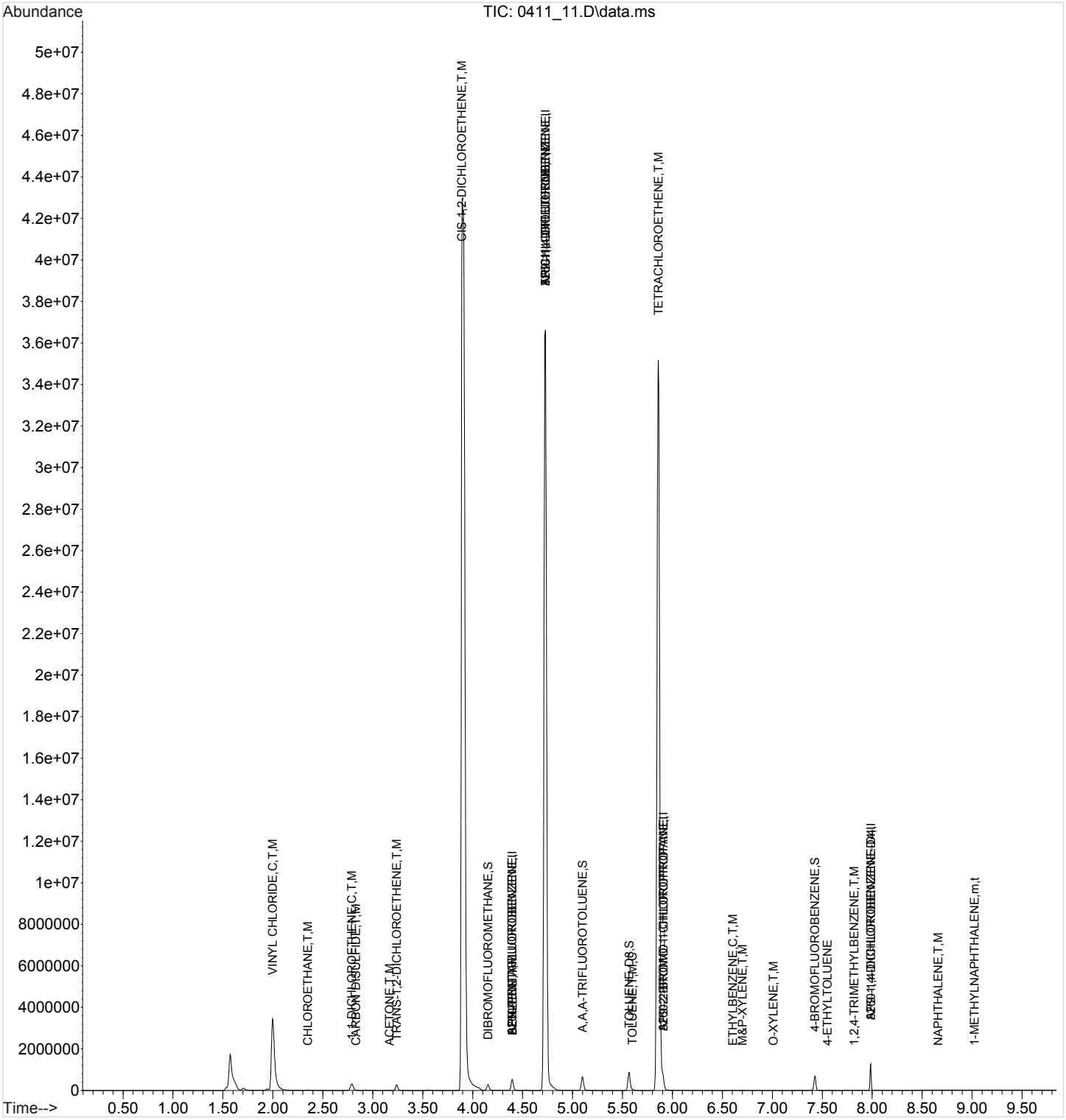
Data Path : C:\msdchem\1\data\041118\
Data File : 0411_12.D
Acq On : 11 Apr 2018 3:44 pm
Operator : 189
Sample : L984615-05 1x WG1096656
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : VOCMS38

Quant Time: Apr 12 11:43:56 2018
Quant Method : C:\msdchem\1\methods\V838C27R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS38
QLast Update : Tue Mar 27 10:47:25 2018
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\041118\
Data File : 0411_11.D
Acq On : 11 Apr 2018 3:25 pm
Operator : 189
Sample : L984615-04 1x WG1096656
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : VOCMS38

Quant Time: Apr 12 11:41:03 2018
Quant Method : C:\msdchem\1\methods\V838C27R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS38
QLast Update : Tue Mar 27 10:47:25 2018
Response via : Initial Calibration



From: Brian Ford
To: Shannon E. McKernan
Cc: Bill Haldeman
Subject: RE: Elevated NWTPH-Gx Sample Request
Date: June 6, 2018 1:18:29 PM
Attachments: image001.png
L995641 NWTPHGX.PDF
L995641 V8260LLC.PDF
L989149 NWTPHGX.PDF
L989149 V8260LLC.PDF
L988839 NWTPHGX.PDF
L988839 V8260LLC.PDF
L984615 NWTPHGX.PDF
L984615 V8260LLC.PDF

Shannon,

Yes, it appears that the CVOCs are the main contribution to the GX detections in these samples. CVOCs are considered part of the gasoline range organics. I have attached the chromatograms.

Thanks,

Brian Ford
Technical Service Representative
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772
bford@esclabsciences.com | www.esclabsciences.com

From: Shannon E. McKernan [mailto:SMcKernan@pesenv.com]
Sent: Wednesday, June 6, 2018 12:37 PM
To: Brian Ford
Cc: Bill Haldeman
Subject: Elevated NWTPH-Gx Sample Request

Hi Brian-

We have several groundwater samples with results from our American Linen project that show elevated NWTPH-Gx results. We would like to confirm if the concentrations are indeed high or if they could be biased high due to elevated CVOC concentrations. We've had several in the past that you confirmed this is likely the case to be. The samples are:

1. L984615
    a. -04
    b. -06
    c. -07
2. L988839

    a. -02 (previously reported high, indicated high CVOC interference with NWTPH-Gx chromatographic profile)
2. L989149
    a. -02
    b. -03
3. L995641
    a. -06 (previously reported high, indicated high CVOC interference with NWTPH-Gx chromatographic profile)

Thanks for checking these!

Shannon McKernan
Staff Geologist

PES Environmental, Inc.

1215 4th Avenue, Suite 1350
Seattle, WA 98161
Phone: (206) 529-3980, Ext. #111
Fax: (206) 529-3985
Cell: (813) 777-7575
Email: smckernan@pesenv.com

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.94 J	J	1.05	25.0	1	04/11/2018 14:29	WG1096656
Acrylonitrile	U		0.873	5.00	1	04/11/2018 14:29	WG1096656
Benzene	U		22.4	125	250	04/13/2018 12:44	WG1096656
Bromobenzene	U		0.133	0.500	1	04/11/2018 14:29	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 14:29	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 14:29	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 14:29	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 14:29	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 14:29	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 14:29	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 14:29	WG1096656
Carbon disulfide	0.186 J	J J0	0.101	0.500	1	04/11/2018 14:29	WG1096656
Carbon tetrachloride	U		0.159	0.500	1	04/11/2018 14:29	WG1096656
Chlorobenzene	U		0.140	0.500	1	04/11/2018 14:29	WG1096656
Chlorodibromomethane	U		0.128	0.500	1	04/11/2018 14:29	WG1096656
Chloroethane	1.75 J	J	0.141	2.50	1	04/11/2018 14:29	WG1096656
Chloroform	U		0.0860	0.500	1	04/11/2018 14:29	WG1096656
Chloromethane	U		0.153	1.25	1	04/11/2018 14:29	WG1096656
2-Chlorotoluene	U		0.111	0.500	1	04/11/2018 14:29	WG1096656
4-Chlorotoluene	U		0.0972	0.500	1	04/11/2018 14:29	WG1096656
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/11/2018 14:29	WG1096656
1,2-Dibromoethane	U		0.193	0.500	1	04/11/2018 14:29	WG1096656
Dibromomethane	U		0.117	0.500	1	04/11/2018 14:29	WG1096656
1,2-Dichlorobenzene	U		0.101	0.500	1	04/11/2018 14:29	WG1096656
1,3-Dichlorobenzene	U		0.130	0.500	1	04/11/2018 14:29	WG1096656
1,4-Dichlorobenzene	U		0.121	0.500	1	04/11/2018 14:29	WG1096656
Dichlorodifluoromethane	U		0.127	2.50	1	04/11/2018 14:29	WG1096656
1,1-Dichloroethane	U		0.114	0.500	1	04/11/2018 14:29	WG1096656
1,2-Dichloroethane	U		0.108	0.500	1	04/11/2018 14:29	WG1096656
1,1-Dichloroethene	13.7		0.188	0.500	1	04/11/2018 14:29	WG1096656
cis-1,2-Dichloroethene	10500		23.3	125	250	04/13/2018 12:44	WG1096656
trans-1,2-Dichloroethene	14.5		0.152	0.500	1	04/11/2018 14:29	WG1096656
1,2-Dichloropropane	U		0.190	0.500	1	04/11/2018 14:29	WG1096656
1,1-Dichloropropene	U		0.128	0.500	1	04/11/2018 14:29	WG1096656
1,3-Dichloropropane	U		0.147	1.00	1	04/11/2018 14:29	WG1096656
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/11/2018 14:29	WG1096656
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/11/2018 14:29	WG1096656
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/11/2018 14:29	WG1096656
2,2-Dichloropropane	U		0.0929	0.500	1	04/11/2018 14:29	WG1096656
Di-isopropyl ether	U		0.0924	0.500	1	04/11/2018 14:29	WG1096656
Ethylbenzene	U		39.5	125	250	04/13/2018 12:44	WG1096656
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/11/2018 14:29	WG1096656
2-Hexanone	U		0.757	5.00	1	04/11/2018 14:29	WG1096656
n-Hexane	U UJ	J0	0.305	5.00	1	04/11/2018 14:29	WG1096656
Iodomethane	U		0.377	10.0	1	04/11/2018 14:29	WG1096656
Isopropylbenzene	0.174 J	J	0.126	0.500	1	04/11/2018 14:29	WG1096656
p-Isopropyltoluene	U		0.138	0.500	1	04/11/2018 14:29	WG1096656
2-Butanone (MEK)	U		1.28	5.00	1	04/11/2018 14:29	WG1096656
Methylene Chloride	U		1.07	2.50	1	04/11/2018 14:29	WG1096656
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 14:29	WG1096656
Methyl tert-butyl ether	U		25.5	125	250	04/13/2018 12:44	WG1096656
Naphthalene	U		43.5	625	250	04/13/2018 12:44	WG1096656
n-Propylbenzene	0.372 J	J J0	0.162	0.500	1	04/11/2018 14:29	WG1096656
Styrene	U UJ	J0	0.117	0.500	1	04/11/2018 14:29	WG1096656
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 14:29	WG1096656
1,1,2,2-Tetrachloroethane	U UJ	J0	0.130	0.500	1	04/11/2018 14:29	WG1096656

JC 4/24/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 14:29	WG1096656
Tetrachloroethene	7700		49.8	125	250	04/13/2018 12:44	WG1096656
Toluene	0.726		0.412	0.500	1	04/11/2018 14:29	WG1096656
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 14:29	WG1096656
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 14:29	WG1096656
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 14:29	WG1096656
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 14:29	WG1096656
Trichloroethene	1840		38.2	125	250	04/13/2018 12:44	WG1096656
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 14:29	WG1096656
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 14:29	WG1096656
1,2,4-Trimethylbenzene	U		30.8	125	250	04/13/2018 12:44	WG1096656
1,2,3-Trimethylbenzene	0.930		0.0739	0.500	1	04/11/2018 14:29	WG1096656
1,3,5-Trimethylbenzene	0.403 J	J	0.124	0.500	1	04/11/2018 14:29	WG1096656
Vinyl acetate	U		0.645	5.00	1	04/11/2018 14:29	WG1096656
Vinyl chloride	1280		29.5	125	250	04/13/2018 12:44	WG1096656
Xylenes, Total	U		79.0	375	250	04/13/2018 12:44	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 14:29*	WG1096656
(S) Toluene-d8	*97.3*			*80.0-120*		*04/13/2018 12:44*	WG1096656
(S) Dibromofluoromethane	*86.4*			*76.0-123*		*04/11/2018 14:29*	WG1096656
(S) Dibromofluoromethane	*90.7*			*76.0-123*		*04/13/2018 12:44*	WG1096656
(S) 4-Bromofluorobenzene	*80.0*			*80.0-120*		*04/11/2018 14:29*	WG1096656
(S) 4-Bromofluorobenzene	*94.6*			*80.0-120*		*04/13/2018 12:44*	WG1096656

Sample Narrative:

L984615-01 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	7.16 J	J	1.05	25.0	1	04/11/2018 14:48	WG1096656
Acrylonitrile	U		0.873	5.00	1	04/11/2018 14:48	WG1096656
Benzene	U		1.79	10.0	20	04/13/2018 13:04	WG1096656
Bromobenzene	U		0.133	0.500	1	04/11/2018 14:48	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 14:48	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 14:48	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 14:48	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 14:48	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 14:48	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 14:48	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 14:48	WG1096656
Carbon disulfide	0.256 J	J J0	0.101	0.500	1	04/11/2018 14:48	WG1096656
Carbon tetrachloride	U		0.159	0.500	1	04/11/2018 14:48	WG1096656
Chlorobenzene	U		0.140	0.500	1	04/11/2018 14:48	WG1096656
Chlorodibromomethane	U		0.128	0.500	1	04/11/2018 14:48	WG1096656
Chloroethane	U		0.141	2.50	1	04/11/2018 14:48	WG1096656
Chloroform	U		0.0860	0.500	1	04/11/2018 14:48	WG1096656
Chloromethane	U		0.153	1.25	1	04/11/2018 14:48	WG1096656
2-Chlorotoluene	U		0.111	0.500	1	04/11/2018 14:48	WG1096656
4-Chlorotoluene	U		0.0972	0.500	1	04/11/2018 14:48	WG1096656
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/11/2018 14:48	WG1096656
1,2-Dibromoethane	U		0.193	0.500	1	04/11/2018 14:48	WG1096656
Dibromomethane	U		0.117	0.500	1	04/11/2018 14:48	WG1096656
1,2-Dichlorobenzene	U		0.101	0.500	1	04/11/2018 14:48	WG1096656
1,3-Dichlorobenzene	U		0.130	0.500	1	04/11/2018 14:48	WG1096656
1,4-Dichlorobenzene	U		0.121	0.500	1	04/11/2018 14:48	WG1096656
Dichlorodifluoromethane	U		0.127	2.50	1	04/11/2018 14:48	WG1096656
1,1-Dichloroethane	U		0.114	0.500	1	04/11/2018 14:48	WG1096656
1,2-Dichloroethane	U		0.108	0.500	1	04/11/2018 14:48	WG1096656
1,1-Dichloroethene	1.48		0.188	0.500	1	04/11/2018 14:48	WG1096656
cis-1,2-Dichloroethene	510		1.87	10.0	20	04/13/2018 13:04	WG1096656
trans-1,2-Dichloroethene	1.89		0.152	0.500	1	04/11/2018 14:48	WG1096656
1,2-Dichloropropane	U		0.190	0.500	1	04/11/2018 14:48	WG1096656
1,1-Dichloropropene	U		0.128	0.500	1	04/11/2018 14:48	WG1096656
1,3-Dichloropropane	U		0.147	1.00	1	04/11/2018 14:48	WG1096656
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/11/2018 14:48	WG1096656
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/11/2018 14:48	WG1096656
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/11/2018 14:48	WG1096656
2,2-Dichloropropane	U		0.0929	0.500	1	04/11/2018 14:48	WG1096656
Di-isopropyl ether	U		0.0924	0.500	1	04/11/2018 14:48	WG1096656
Ethylbenzene	U		3.16	10.0	20	04/13/2018 13:04	WG1096656
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/11/2018 14:48	WG1096656
2-Hexanone	U		0.757	5.00	1	04/11/2018 14:48	WG1096656
n-Hexane	U UJ	J0	0.305	5.00	1	04/11/2018 14:48	WG1096656
Iodomethane	U		0.377	10.0	1	04/11/2018 14:48	WG1096656
Isopropylbenzene	U		0.126	0.500	1	04/11/2018 14:48	WG1096656
p-Isopropyltoluene	U		0.138	0.500	1	04/11/2018 14:48	WG1096656
2-Butanone (MEK)	U		1.28	5.00	1	04/11/2018 14:48	WG1096656
Methylene Chloride	U		1.07	2.50	1	04/11/2018 14:48	WG1096656
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 14:48	WG1096656
Methyl tert-butyl ether	0.184 J	J	0.102	0.500	1	04/11/2018 14:48	WG1096656
Naphthalene	U		3.48	50.0	20	04/13/2018 13:04	WG1096656
n-Propylbenzene	U UJ	J0	0.162	0.500	1	04/11/2018 14:48	WG1096656
Styrene	U UJ	J0	0.117	0.500	1	04/11/2018 14:48	WG1096656
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 14:48	WG1096656
1,1,2,2-Tetrachloroethane	U UJ	J0	0.130	0.500	1	04/11/2018 14:48	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 14:48	WG1096656
Tetrachloroethene	37.3		0.199	0.500	1	04/11/2018 14:48	WG1096656
Toluene	U		0.412	0.500	1	04/11/2018 14:48	WG1096656
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 14:48	WG1096656
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 14:48	WG1096656
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 14:48	WG1096656
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 14:48	WG1096656
Trichloroethene	28.0		0.153	0.500	1	04/11/2018 14:48	WG1096656
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 14:48	WG1096656
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 14:48	WG1096656
1,2,4-Trimethylbenzene	U		2.46	10.0	20	04/13/2018 13:04	WG1096656
1,2,3-Trimethylbenzene	0.157	J J	0.0739	0.500	1	04/11/2018 14:48	WG1096656
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/11/2018 14:48	WG1096656
Vinyl acetate	U		0.645	5.00	1	04/11/2018 14:48	WG1096656
Vinyl chloride	78.2		0.118	0.500	1	04/11/2018 14:48	WG1096656
Xylenes, Total	U		6.32	30.0	20	04/13/2018 13:04	WG1096656
(S) Toluene-d8	*105*			*80.0-120*		*04/11/2018 14:48*	WG1096656
(S) Toluene-d8	*100*			*80.0-120*		*04/13/2018 13:04*	WG1096656
(S) Dibromofluoromethane	*93.1*			*76.0-123*		*04/13/2018 13:04*	WG1096656
(S) Dibromofluoromethane	*89.9*			*76.0-123*		*04/11/2018 14:48*	WG1096656
(S) 4-Bromofluorobenzene	*94.7*			*80.0-120*		*04/13/2018 13:04*	WG1096656
(S) 4-Bromofluorobenzene	*85.0*			*80.0-120*		*04/11/2018 14:48*	WG1096656

Sample Narrative:

L984615-02 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	51.7 J	J	5.25	125	5	04/11/2018 15:06	WG1096656	
Acrylonitrile	U		4.36	25.0	5	04/11/2018 15:06	WG1096656	
Benzene	U		89.6	500	1000	04/13/2018 13:23	WG1096656	
Bromobenzene	U		0.665	2.50	5	04/11/2018 15:06	WG1096656	
Bromodichloromethane	U		0.400	2.50	5	04/11/2018 15:06	WG1096656	
Bromochloromethane	U		0.725	2.50	5	04/11/2018 15:06	WG1096656	
Bromoform	U		0.930	2.50	5	04/11/2018 15:06	WG1096656	
Bromomethane	U		0.785	12.5	5	04/11/2018 15:06	WG1096656	
n-Butylbenzene	U		0.715	2.50	5	04/11/2018 15:06	WG1096656	
sec-Butylbenzene	U		0.670	2.50	5	04/11/2018 15:06	WG1096656	
tert-Butylbenzene	U		0.915	2.50	5	04/11/2018 15:06	WG1096656	
Carbon disulfide	1.08 J	J J0	0.505	2.50	5	04/11/2018 15:06	WG1096656	
Carbon tetrachloride	U		0.795	2.50	5	04/11/2018 15:06	WG1096656	
Chlorobenzene	U		0.700	2.50	5	04/11/2018 15:06	WG1096656	
Chlorodibromomethane	U		0.640	2.50	5	04/11/2018 15:06	WG1096656	
Chloroethane	U		0.705	12.5	5	04/11/2018 15:06	WG1096656	
Chloroform	U		0.430	2.50	5	04/11/2018 15:06	WG1096656	
Chloromethane	U		0.765	6.25	5	04/11/2018 15:06	WG1096656	
2-Chlorotoluene	U		0.555	2.50	5	04/11/2018 15:06	WG1096656	
4-Chlorotoluene	U		0.486	2.50	5	04/11/2018 15:06	WG1096656	
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	04/11/2018 15:06	WG1096656	
1,2-Dibromoethane	U		0.965	2.50	5	04/11/2018 15:06	WG1096656	
Dibromomethane	U		0.585	2.50	5	04/11/2018 15:06	WG1096656	
1,2-Dichlorobenzene	U		0.505	2.50	5	04/11/2018 15:06	WG1096656	
1,3-Dichlorobenzene	U		0.650	2.50	5	04/11/2018 15:06	WG1096656	
1,4-Dichlorobenzene	U		0.605	2.50	5	04/11/2018 15:06	WG1096656	
Dichlorodifluoromethane	U		0.635	12.5	5	04/11/2018 15:06	WG1096656	
1,1-Dichloroethane	U		0.570	2.50	5	04/11/2018 15:06	WG1096656	
1,2-Dichloroethane	U		0.540	2.50	5	04/11/2018 15:06	WG1096656	
1,1-Dichloroethene	92.7		0.940	2.50	5	04/11/2018 15:06	WG1096656	
cis-1,2-Dichloroethene	40900		93.3	500	1000	04/13/2018 13:23	WG1096656	
trans-1,2-Dichloroethene	46.3		0.760	2.50	5	04/11/2018 15:06	WG1096656	
1,2-Dichloropropane	U		0.950	2.50	5	04/11/2018 15:06	WG1096656	
1,1-Dichloropropene	U		0.640	2.50	5	04/11/2018 15:06	WG1096656	
1,3-Dichloropropane	U		0.735	5.00	5	04/11/2018 15:06	WG1096656	
cis-1,3-Dichloropropene	U		0.488	2.50	5	04/11/2018 15:06	WG1096656	
trans-1,3-Dichloropropene	U		1.11	2.50	5	04/11/2018 15:06	WG1096656	
trans-1,4-Dichloro-2-butene	U		1.28	25.0	5	04/11/2018 15:06	WG1096656	
2,2-Dichloropropane	U		0.464	2.50	5	04/11/2018 15:06	WG1096656	
Di-isopropyl ether	U		0.462	2.50	5	04/11/2018 15:06	WG1096656	
Ethylbenzene	U		158	500	1000	04/13/2018 13:23	WG1096656	
Hexachloro-1,3-butadiene	U		0.785	5.00	5	04/11/2018 15:06	WG1096656	
2-Hexanone	U		3.78	25.0	5	04/11/2018 15:06	WG1096656	
n-Hexane	U UJ	J0	1.52	25.0	5	04/11/2018 15:06	WG1096656	
Iodomethane	U		1.88	50.0	5	04/11/2018 15:06	WG1096656	
Isopropylbenzene	U		0.630	2.50	5	04/11/2018 15:06	WG1096656	
p-Isopropyltoluene	U		0.690	2.50	5	04/11/2018 15:06	WG1096656	
2-Butanone (MEK)	11.5 J	J	6.40	25.0	5	04/11/2018 15:06	WG1096656	
Methylene Chloride	U		5.35	12.5	5	04/11/2018 15:06	WG1096656	
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	04/11/2018 15:06	WG1096656	
Methyl tert-butyl ether	U		0.510	2.50	5	04/11/2018 15:06	WG1096656	
Naphthalene	U		174	2500	1000	04/13/2018 13:23	WG1096656	
n-Propylbenzene	U UJ	J0	0.810	2.50	5	04/11/2018 15:06	WG1096656	
Styrene	U UJ	J0	0.585	2.50	5	04/11/2018 15:06	WG1096656	JC 4/24/18
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	04/11/2018 15:06	WG1096656	
1,1,2,2-Tetrachloroethane	U UJ	J0	0.650	2.50	5	04/11/2018 15:06	WG1096656	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	04/11/2018 15:06	WG1096656
Tetrachloroethene	144		0.995	2.50	5	04/11/2018 15:06	WG1096656
Toluene	U		2.06	2.50	5	04/11/2018 15:06	WG1096656
1,2,3-Trichlorobenzene	U		0.820	2.50	5	04/11/2018 15:06	WG1096656
1,2,4-Trichlorobenzene	U		1.78	2.50	5	04/11/2018 15:06	WG1096656
1,1,1-Trichloroethane	U		0.470	2.50	5	04/11/2018 15:06	WG1096656
1,1,2-Trichloroethane	U		0.930	2.50	5	04/11/2018 15:06	WG1096656
Trichloroethene	170		0.765	2.50	5	04/11/2018 15:06	WG1096656
Trichlorofluoromethane	U		0.650	12.5	5	04/11/2018 15:06	WG1096656
1,2,3-Trichloropropane	U		1.24	12.5	5	04/11/2018 15:06	WG1096656
1,2,4-Trimethylbenzene	U		123	500	1000	04/13/2018 13:23	WG1096656
1,2,3-Trimethylbenzene	U		0.370	2.50	5	04/11/2018 15:06	WG1096656
1,3,5-Trimethylbenzene	U		0.620	2.50	5	04/11/2018 15:06	WG1096656
Vinyl acetate	U		3.22	25.0	5	04/11/2018 15:06	WG1096656
Vinyl chloride	3360		118	500	1000	04/13/2018 13:23	WG1096656
Xylenes, Total	U		316	1500	1000	04/13/2018 13:23	WG1096656
(S) Toluene-d8	*96.3*			*80.0-120*		*04/13/2018 13:23*	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 15:06*	WG1096656
(S) Dibromofluoromethane	*95.8*			*76.0-123*		*04/13/2018 13:23*	WG1096656
(S) Dibromofluoromethane	*89.5*			*76.0-123*		*04/11/2018 15:06*	WG1096656
(S) 4-Bromofluorobenzene	*81.0*			*80.0-120*		*04/11/2018 15:06*	WG1096656
(S) 4-Bromofluorobenzene	*97.9*			*80.0-120*		*04/13/2018 13:23*	WG1096656

Sample Narrative:

L984615-03 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	445000		2710	20000	1	04/12/2018 07:37	WG1096558

Sample Narrative:

L984615-04 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	66700		51.9	1000	1	04/12/2018 00:35	WG1096561
Nitrate	U		22.7	100	1	04/12/2018 00:35	WG1096561
Sulfate	8610		77.4	5000	1	04/12/2018 00:35	WG1096561

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	11500		102	1000	1	04/12/2018 16:20	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1640		15.0	100	1	04/15/2018 16:32	WG1096611
Manganese	721		0.250	5.00	1	04/15/2018 16:32	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	7040		31.6	100	1	04/11/2018 15:18	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-122*		*04/11/2018 15:18*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14900		5.74	13.6	20	04/17/2018 14:53	WG1099282
Ethane	1520		0.296	1.29	1	04/17/2018 11:51	WG1099029
Ethene	990		0.422	1.27	1	04/17/2018 11:51	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.72 J	J	1.05	25.0	1	04/11/2018 15:25	WG1096656
Acrylonitrile	U		0.873	5.00	1	04/11/2018 15:25	WG1096656
Benzene	U		22.4	125	250	04/13/2018 13:42	WG1096656
Bromobenzene	U		0.133	0.500	1	04/11/2018 15:25	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 15:25	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 15:25	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 15:25	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 15:25	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 15:25	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 15:25	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 15:25	WG1096656
Carbon disulfide	1.02 J	J0	0.101	0.500	1	04/11/2018 15:25	WG1096656
Carbon tetrachloride	U		0.159	0.500	1	04/11/2018 15:25	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier		MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Chlorobenzene	U			0.140	0.500	1	04/11/2018 15:25	WG1096656
Chlorodibromomethane	U			0.128	0.500	1	04/11/2018 15:25	WG1096656
Chloroethane	4.08			0.141	2.50	1	04/11/2018 15:25	WG1096656
Chloroform	U			0.0860	0.500	1	04/11/2018 15:25	WG1096656
Chloromethane	U			0.153	1.25	1	04/11/2018 15:25	WG1096656
2-Chlorotoluene	U			0.111	0.500	1	04/11/2018 15:25	WG1096656
4-Chlorotoluene	U			0.0972	0.500	1	04/11/2018 15:25	WG1096656
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/11/2018 15:25	WG1096656
1,2-Dibromoethane	U			0.193	0.500	1	04/11/2018 15:25	WG1096656
Dibromomethane	U			0.117	0.500	1	04/11/2018 15:25	WG1096656
1,2-Dichlorobenzene	U			0.101	0.500	1	04/11/2018 15:25	WG1096656
1,3-Dichlorobenzene	U			0.130	0.500	1	04/11/2018 15:25	WG1096656
1,4-Dichlorobenzene	U			0.121	0.500	1	04/11/2018 15:25	WG1096656
Dichlorodifluoromethane	U			0.127	2.50	1	04/11/2018 15:25	WG1096656
1,1-Dichloroethane	U			0.114	0.500	1	04/11/2018 15:25	WG1096656
1,2-Dichloroethane	U			0.108	0.500	1	04/11/2018 15:25	WG1096656
1,1-Dichloroethene	36.9			0.188	0.500	1	04/11/2018 15:25	WG1096656
cis-1,2-Dichloroethene	9710			23.3	125	250	04/13/2018 13:42	WG1096656
trans-1,2-Dichloroethene	21.1			0.152	0.500	1	04/11/2018 15:25	WG1096656
1,2-Dichloropropane	U			0.190	0.500	1	04/11/2018 15:25	WG1096656
1,1-Dichloropropene	U			0.128	0.500	1	04/11/2018 15:25	WG1096656
1,3-Dichloropropane	U			0.147	1.00	1	04/11/2018 15:25	WG1096656
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/11/2018 15:25	WG1096656
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/11/2018 15:25	WG1096656
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/11/2018 15:25	WG1096656
2,2-Dichloropropane	U			0.0929	0.500	1	04/11/2018 15:25	WG1096656
Di-isopropyl ether	U			0.0924	0.500	1	04/11/2018 15:25	WG1096656
Ethylbenzene	U			39.5	125	250	04/13/2018 13:42	WG1096656
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/11/2018 15:25	WG1096656
2-Hexanone	U			0.757	5.00	1	04/11/2018 15:25	WG1096656
n-Hexane	U	UJ	J0	0.305	5.00	1	04/11/2018 15:25	WG1096656
Iodomethane	U			0.377	10.0	1	04/11/2018 15:25	WG1096656
Isopropylbenzene	U			0.126	0.500	1	04/11/2018 15:25	WG1096656
p-Isopropyltoluene	U			0.138	0.500	1	04/11/2018 15:25	WG1096656
2-Butanone (MEK)	U			1.28	5.00	1	04/11/2018 15:25	WG1096656
Methylene Chloride	U			1.07	2.50	1	04/11/2018 15:25	WG1096656
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/11/2018 15:25	WG1096656
Methyl tert-butyl ether	U			0.102	0.500	1	04/11/2018 15:25	WG1096656
Naphthalene	U			43.5	625	250	04/13/2018 13:42	WG1096656
n-Propylbenzene	U	UJ	J0	0.162	0.500	1	04/11/2018 15:25	WG1096656
Styrene	U	UJ	J0	0.117	0.500	1	04/11/2018 15:25	WG1096656
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/11/2018 15:25	WG1096656
1,1,2,2-Tetrachloroethane	U	UJ	J0	0.130	0.500	1	04/11/2018 15:25	WG1096656
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/11/2018 15:25	WG1096656
Tetrachloroethene	2500			49.8	125	250	04/13/2018 13:42	WG1096656
Toluene	1.63			0.412	0.500	1	04/11/2018 15:25	WG1096656
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/11/2018 15:25	WG1096656
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/11/2018 15:25	WG1096656
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/11/2018 15:25	WG1096656
1,1,2-Trichloroethane	U			0.186	0.500	1	04/11/2018 15:25	WG1096656
Trichloroethene	3200			38.2	125	250	04/13/2018 13:42	WG1096656
Trichlorofluoromethane	U			0.130	2.50	1	04/11/2018 15:25	WG1096656
1,2,3-Trichloropropane	U			0.247	2.50	1	04/11/2018 15:25	WG1096656
1,2,4-Trimethylbenzene	0.272	J	J	0.123	0.500	1	04/11/2018 15:25	WG1096656
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/11/2018 15:25	WG1096656
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/11/2018 15:25	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/11/2018 15:25	WG1096656
Vinyl chloride	766		29.5	125	250	04/13/2018 13:42	WG1096656
Xylenes, Total	U		79.0	375	250	04/13/2018 13:42	WG1096656
(S) Toluene-d8	*103*			*80.0-120*		*04/11/2018 15:25*	WG1096656
(S) Toluene-d8	*96.4*			*80.0-120*		*04/13/2018 13:42*	WG1096656
(S) Dibromofluoromethane	*90.2*			*76.0-123*		*04/11/2018 15:25*	WG1096656
(S) Dibromofluoromethane	*93.1*			*76.0-123*		*04/13/2018 13:42*	WG1096656
(S) 4-Bromofluorobenzene	*95.4*			*80.0-120*		*04/13/2018 13:42*	WG1096656
(S) 4-Bromofluorobenzene	*80.0*			*80.0-120*		*04/11/2018 15:25*	WG1096656

Sample Narrative:

L984615-04 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	409000		2710	20000	1	04/12/2018 07:59	WG1096558

Sample Narrative:

L984615-05 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	65600		51.9	1000	1	04/12/2018 00:48	WG1096561
Nitrate	87.0 J	J	22.7	100	1	04/12/2018 00:48	WG1096561
Sulfate	2080 J	J	77.4	5000	1	04/12/2018 00:48	WG1096561

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	39200		204	2000	2	04/12/2018 16:37	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1380		15.0	100	1	04/15/2018 16:37	WG1096611
Manganese	536		0.250	5.00	1	04/15/2018 16:37	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	74.6	B J	31.6	100	1	04/11/2018 15:40	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-122*		*04/11/2018 15:40*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	36500		7.18	17.0	25	04/17/2018 14:57	WG1099282
Ethane	83.3		0.296	1.29	1	04/17/2018 11:57	WG1099029
Ethene	1440		0.422	1.27	1	04/17/2018 11:57	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	52.0		1.05	25.0	1	04/11/2018 15:44	WG1096656
Acrylonitrile	U		0.873	5.00	1	04/11/2018 15:44	WG1096656
Benzene	0.253 J	J	0.0896	0.500	1	04/13/2018 14:02	WG1096656
Bromobenzene	U		0.133	0.500	1	04/11/2018 15:44	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 15:44	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 15:44	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 15:44	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 15:44	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 15:44	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 15:44	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 15:44	WG1096656
Carbon disulfide	1.15 UJ	J0	0.101	0.500	1	04/11/2018 15:44	WG1096656
Carbon tetrachloride	U		0.159	0.500	1	04/11/2018 15:44	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Chlorobenzene	U		0.140	0.500	1	04/11/2018 15:44	WG1096656	
Chlorodibromomethane	U		0.128	0.500	1	04/11/2018 15:44	WG1096656	
Chloroethane	U		0.141	2.50	1	04/11/2018 15:44	WG1096656	
Chloroform	U		0.0860	0.500	1	04/11/2018 15:44	WG1096656	
Chloromethane	U		0.153	1.25	1	04/11/2018 15:44	WG1096656	
2-Chlorotoluene	U		0.111	0.500	1	04/11/2018 15:44	WG1096656	
4-Chlorotoluene	U		0.0972	0.500	1	04/11/2018 15:44	WG1096656	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/11/2018 15:44	WG1096656	
1,2-Dibromoethane	U		0.193	0.500	1	04/11/2018 15:44	WG1096656	
Dibromomethane	U		0.117	0.500	1	04/11/2018 15:44	WG1096656	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/11/2018 15:44	WG1096656	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/11/2018 15:44	WG1096656	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/11/2018 15:44	WG1096656	
Dichlorodifluoromethane	U		0.127	2.50	1	04/11/2018 15:44	WG1096656	
1,1-Dichloroethane	U		0.114	0.500	1	04/11/2018 15:44	WG1096656	
1,2-Dichloroethane	U		0.108	0.500	1	04/11/2018 15:44	WG1096656	
1,1-Dichloroethene	U		0.188	0.500	1	04/11/2018 15:44	WG1096656	
cis-1,2-Dichloroethene	59.1		0.0933	0.500	1	04/11/2018 15:44	WG1096656	
trans-1,2-Dichloroethene	0.388	J J	0.152	0.500	1	04/11/2018 15:44	WG1096656	
1,2-Dichloropropane	U		0.190	0.500	1	04/11/2018 15:44	WG1096656	
1,1-Dichloropropene	U		0.128	0.500	1	04/11/2018 15:44	WG1096656	
1,3-Dichloropropane	U		0.147	1.00	1	04/11/2018 15:44	WG1096656	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/11/2018 15:44	WG1096656	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/11/2018 15:44	WG1096656	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/11/2018 15:44	WG1096656	
2,2-Dichloropropane	U		0.0929	0.500	1	04/11/2018 15:44	WG1096656	
Di-isopropyl ether	U		0.0924	0.500	1	04/11/2018 15:44	WG1096656	
Ethylbenzene	U		0.158	0.500	1	04/13/2018 14:02	WG1096656	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/11/2018 15:44	WG1096656	
2-Hexanone	U		0.757	5.00	1	04/11/2018 15:44	WG1096656	
n-Hexane	U	UJ J0	0.305	5.00	1	04/11/2018 15:44	WG1096656	
Iodomethane	U		0.377	10.0	1	04/11/2018 15:44	WG1096656	
Isopropylbenzene	U		0.126	0.500	1	04/11/2018 15:44	WG1096656	
p-Isopropyltoluene	U		0.138	0.500	1	04/11/2018 15:44	WG1096656	
2-Butanone (MEK)	9.14		1.28	5.00	1	04/11/2018 15:44	WG1096656	
Methylene Chloride	U		1.07	2.50	1	04/11/2018 15:44	WG1096656	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 15:44	WG1096656	
Methyl tert-butyl ether	U		0.102	0.500	1	04/11/2018 15:44	WG1096656	
Naphthalene	U		0.174	2.50	1	04/11/2018 15:44	WG1096656	
n-Propylbenzene	U	UJ J0	0.162	0.500	1	04/11/2018 15:44	WG1096656	
Styrene	U	UJ J0	0.117	0.500	1	04/11/2018 15:44	WG1096656	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 15:44	WG1096656	
1,1,2,2-Tetrachloroethane	U	UJ J0	0.130	0.500	1	04/11/2018 15:44	WG1096656	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 15:44	WG1096656	
Tetrachloroethene	1.13		0.199	0.500	1	04/13/2018 14:02	WG1096656	
Toluene	U		0.412	0.500	1	04/11/2018 15:44	WG1096656	
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 15:44	WG1096656	
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 15:44	WG1096656	
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 15:44	WG1096656	
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 15:44	WG1096656	
Trichloroethene	0.310	U J	0.153	0.500	1	04/13/2018 14:02	WG1096656	
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 15:44	WG1096656	
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 15:44	WG1096656	
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/11/2018 15:44	WG1096656	
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/11/2018 15:44	WG1096656	JC 4/24/18
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/11/2018 15:44	WG1096656	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/11/2018 15:44	WG1096656
Vinyl chloride	11.4		0.118	0.500	1	04/13/2018 14:02	WG1096656
Xylenes, Total	U		0.316	1.50	1	04/13/2018 14:02	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 15:44*	WG1096656
(S) Toluene-d8	*96.9*			*80.0-120*		*04/13/2018 14:02*	WG1096656
(S) Dibromofluoromethane	*92.7*			*76.0-123*		*04/13/2018 14:02*	WG1096656
(S) Dibromofluoromethane	*90.5*			*76.0-123*		*04/11/2018 15:44*	WG1096656
(S) 4-Bromofluorobenzene	*79.6*	J2		*80.0-120*		*04/11/2018 15:44*	WG1096656
(S) 4-Bromofluorobenzene	*97.6*			*80.0-120*		*04/13/2018 14:02*	WG1096656

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Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	312000		2710	20000	1	04/12/2018 08:06	WG1096558

Sample Narrative:

L984615-06 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	128000		260	5000	5	04/12/2018 00:24	WG1096737
Nitrate	U		22.7	100	1	04/12/2018 00:08	WG1096737
Sulfate	15000		77.4	5000	1	04/12/2018 00:08	WG1096737

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13200		102	1000	1	04/12/2018 16:54	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	210		15.0	100	1	04/15/2018 16:41	WG1096611
Manganese	386		0.250	5.00	1	04/15/2018 16:41	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	40600		632	2000	20	04/11/2018 16:02	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-122*		*04/11/2018 16:02*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	1590		0.287	0.678	1	04/17/2018 12:03	WG1099029
Ethane	41.1		0.296	1.29	1	04/17/2018 12:03	WG1099029
Ethene	1830		0.422	1.27	1	04/17/2018 12:03	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	22.5 J	J	21.0	500	20	04/11/2018 16:03	WG1096656
Acrylonitrile	U		17.5	100	20	04/11/2018 16:03	WG1096656
Benzene	U		224	1250	2500	04/13/2018 15:21	WG1096656
Bromobenzene	U		2.66	10.0	20	04/11/2018 16:03	WG1096656
Bromodichloromethane	U		1.60	10.0	20	04/11/2018 16:03	WG1096656
Bromochloromethane	U		2.90	10.0	20	04/11/2018 16:03	WG1096656
Bromoform	U		3.72	10.0	20	04/11/2018 16:03	WG1096656
Bromomethane	U		3.14	50.0	20	04/11/2018 16:03	WG1096656
n-Butylbenzene	U		2.86	10.0	20	04/11/2018 16:03	WG1096656
sec-Butylbenzene	U		2.68	10.0	20	04/11/2018 16:03	WG1096656
tert-Butylbenzene	U		3.66	10.0	20	04/11/2018 16:03	WG1096656
Carbon disulfide	U UJ	J0	2.02	10.0	20	04/11/2018 16:03	WG1096656
Carbon tetrachloride	U		3.18	10.0	20	04/11/2018 16:03	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		2.80	10.0	20	04/11/2018 16:03	WG1096656
Chlorodibromomethane	U		2.56	10.0	20	04/11/2018 16:03	WG1096656
Chloroethane	U		2.82	50.0	20	04/11/2018 16:03	WG1096656
Chloroform	U		1.72	10.0	20	04/11/2018 16:03	WG1096656
Chloromethane	U		3.06	25.0	20	04/11/2018 16:03	WG1096656
2-Chlorotoluene	U		2.22	10.0	20	04/11/2018 16:03	WG1096656
4-Chlorotoluene	U		1.94	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dibromo-3-Chloropropane	U		6.50	50.0	20	04/11/2018 16:03	WG1096656
1,2-Dibromoethane	U		3.86	10.0	20	04/11/2018 16:03	WG1096656
Dibromomethane	U		2.34	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dichlorobenzene	U		2.02	10.0	20	04/11/2018 16:03	WG1096656
1,3-Dichlorobenzene	U		2.60	10.0	20	04/11/2018 16:03	WG1096656
1,4-Dichlorobenzene	U		2.42	10.0	20	04/11/2018 16:03	WG1096656
Dichlorodifluoromethane	U		2.54	50.0	20	04/11/2018 16:03	WG1096656
1,1-Dichloroethane	U		2.28	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dichloroethane	U		2.16	10.0	20	04/11/2018 16:03	WG1096656
1,1-Dichloroethene	107		3.76	10.0	20	04/11/2018 16:03	WG1096656
cis-1,2-Dichloroethene	35300		233	1250	2500	04/13/2018 15:21	WG1096656
trans-1,2-Dichloroethene	42.1		3.04	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dichloropropane	U		3.80	10.0	20	04/11/2018 16:03	WG1096656
1,1-Dichloropropene	U		2.56	10.0	20	04/11/2018 16:03	WG1096656
1,3-Dichloropropane	U		2.94	20.0	20	04/11/2018 16:03	WG1096656
cis-1,3-Dichloropropene	U		1.95	10.0	20	04/11/2018 16:03	WG1096656
trans-1,3-Dichloropropene	U		4.44	10.0	20	04/11/2018 16:03	WG1096656
trans-1,4-Dichloro-2-butene	U		5.14	100	20	04/11/2018 16:03	WG1096656
2,2-Dichloropropane	U		1.86	10.0	20	04/11/2018 16:03	WG1096656
Di-isopropyl ether	U		1.85	10.0	20	04/11/2018 16:03	WG1096656
Ethylbenzene	3.27	J J	3.16	10.0	20	04/11/2018 16:03	WG1096656
Hexachloro-1,3-butadiene	U		3.14	20.0	20	04/11/2018 16:03	WG1096656
2-Hexanone	U		15.1	100	20	04/11/2018 16:03	WG1096656
n-Hexane	U	UJ J0	6.10	100	20	04/11/2018 16:03	WG1096656
Iodomethane	U		7.54	200	20	04/11/2018 16:03	WG1096656
Isopropylbenzene	U		2.52	10.0	20	04/11/2018 16:03	WG1096656
p-Isopropyltoluene	U		2.76	10.0	20	04/11/2018 16:03	WG1096656
2-Butanone (MEK)	U		25.6	100	20	04/11/2018 16:03	WG1096656
Methylene Chloride	U		21.4	50.0	20	04/11/2018 16:03	WG1096656
4-Methyl-2-pentanone (MIBK)	U		16.5	100	20	04/11/2018 16:03	WG1096656
Methyl tert-butyl ether	U		2.04	10.0	20	04/11/2018 16:03	WG1096656
Naphthalene	U		3.48	50.0	20	04/11/2018 16:03	WG1096656
n-Propylbenzene	U	UJ J0	3.24	10.0	20	04/11/2018 16:03	WG1096656
Styrene	U	UJ J0	2.34	10.0	20	04/11/2018 16:03	WG1096656
1,1,1,2-Tetrachloroethane	U		2.40	10.0	20	04/11/2018 16:03	WG1096656
1,1,2,2-Tetrachloroethane	U	UJ J0	2.60	10.0	20	04/11/2018 16:03	WG1096656
1,1,2-Trichlorotrifluoroethane	U		3.28	10.0	20	04/11/2018 16:03	WG1096656
Tetrachloroethene	67300		498	1250	2500	04/13/2018 15:21	WG1096656
Toluene	U		8.24	10.0	20	04/11/2018 16:03	WG1096656
1,2,3-Trichlorobenzene	U		3.28	10.0	20	04/11/2018 16:03	WG1096656
1,2,4-Trichlorobenzene	U		7.10	10.0	20	04/11/2018 16:03	WG1096656
1,1,1-Trichloroethane	U		1.88	10.0	20	04/11/2018 16:03	WG1096656
1,1,2-Trichloroethane	U		3.72	10.0	20	04/11/2018 16:03	WG1096656
Trichloroethene	6550		382	1250	2500	04/13/2018 15:21	WG1096656
Trichlorofluoromethane	U		2.60	50.0	20	04/11/2018 16:03	WG1096656
1,2,3-Trichloropropane	U		4.94	50.0	20	04/11/2018 16:03	WG1096656
1,2,4-Trimethylbenzene	3.63	J J	2.46	10.0	20	04/11/2018 16:03	WG1096656
1,2,3-Trimethylbenzene	1.91	J J	1.48	10.0	20	04/11/2018 16:03	WG1096656
1,3,5-Trimethylbenzene	U		2.48	10.0	20	04/11/2018 16:03	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		12.9	100	20	04/11/2018 16:03	WG1096656
Vinyl chloride	3660		295	1250	2500	04/13/2018 15:21	WG1096656
Xylenes, Total	U		790	3750	2500	04/13/2018 15:21	WG1096656
(S) Toluene-d8	*97.4*			*80.0-120*		*04/13/2018 15:21*	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 16:03*	WG1096656
(S) Dibromofluoromethane	*90.1*			*76.0-123*		*04/11/2018 16:03*	WG1096656
(S) Dibromofluoromethane	*92.8*			*76.0-123*		*04/13/2018 15:21*	WG1096656
(S) 4-Bromofluorobenzene	*79.9*	J2		*80.0-120*		*04/11/2018 16:03*	WG1096656
(S) 4-Bromofluorobenzene	*96.2*			*80.0-120*		*04/13/2018 15:21*	WG1096656

Sample Narrative:

L984615-06 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	504000		2710	20000	1	04/12/2018 08:12	WG1096558

Sample Narrative:

L984615-07 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	44600		51.9	1000	1	04/12/2018 00:39	WG1096737
Nitrate	U		22.7	100	1	04/12/2018 00:39	WG1096737
Sulfate	16900		77.4	5000	1	04/12/2018 00:39	WG1096737

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	9940		102	1000	1	04/12/2018 18:25	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	2180		15.0	100	1	04/15/2018 16:46	WG1096611
Manganese	2700		0.250	5.00	1	04/15/2018 16:46	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	11700		158	500	5	04/11/2018 16:46	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-122*		*04/11/2018 16:46*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	14400		5.74	13.6	20	04/17/2018 15:00	WG1099282
Ethane	414		0.296	1.29	1	04/17/2018 12:08	WG1099029
Ethene	363		0.422	1.27	1	04/17/2018 12:08	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		5.25	125	5	04/11/2018 16:21	WG1096656
Acrylonitrile	U		4.36	25.0	5	04/11/2018 16:21	WG1096656
Benzene	U		44.8	250	500	04/13/2018 15:40	WG1096656
Bromobenzene	U		0.665	2.50	5	04/11/2018 16:21	WG1096656
Bromodichloromethane	U		0.400	2.50	5	04/11/2018 16:21	WG1096656
Bromochloromethane	U		0.725	2.50	5	04/11/2018 16:21	WG1096656
Bromoform	U		0.930	2.50	5	04/11/2018 16:21	WG1096656
Bromomethane	U		0.785	12.5	5	04/11/2018 16:21	WG1096656
n-Butylbenzene	U		0.715	2.50	5	04/11/2018 16:21	WG1096656
sec-Butylbenzene	U		0.670	2.50	5	04/11/2018 16:21	WG1096656
tert-Butylbenzene	U		0.915	2.50	5	04/11/2018 16:21	WG1096656
Carbon disulfide	U	UJ J0	0.505	2.50	5	04/11/2018 16:21	WG1096656
Carbon tetrachloride	U		0.795	2.50	5	04/11/2018 16:21	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier		MDL	RDL	Dilution	Analysis	Batch	
	ug/l			ug/l	ug/l		date / time		
Chlorobenzene	U			0.700	2.50	5	04/11/2018 16:21	WG1096656	
Chlorodibromomethane	U			0.640	2.50	5	04/11/2018 16:21	WG1096656	
Chloroethane	28.8			0.705	12.5	5	04/11/2018 16:21	WG1096656	
Chloroform	U			0.430	2.50	5	04/11/2018 16:21	WG1096656	
Chloromethane	U			0.765	6.25	5	04/11/2018 16:21	WG1096656	
2-Chlorotoluene	U			0.555	2.50	5	04/11/2018 16:21	WG1096656	
4-Chlorotoluene	U			0.486	2.50	5	04/11/2018 16:21	WG1096656	
1,2-Dibromo-3-Chloropropane	U			1.62	12.5	5	04/11/2018 16:21	WG1096656	
1,2-Dibromoethane	U			0.965	2.50	5	04/11/2018 16:21	WG1096656	
Dibromomethane	U			0.585	2.50	5	04/11/2018 16:21	WG1096656	
1,2-Dichlorobenzene	U			0.505	2.50	5	04/11/2018 16:21	WG1096656	
1,3-Dichlorobenzene	U			0.650	2.50	5	04/11/2018 16:21	WG1096656	
1,4-Dichlorobenzene	U			0.605	2.50	5	04/11/2018 16:21	WG1096656	
Dichlorodifluoromethane	U			0.635	12.5	5	04/11/2018 16:21	WG1096656	
1,1-Dichloroethane	U			0.570	2.50	5	04/11/2018 16:21	WG1096656	
1,2-Dichloroethane	U			0.540	2.50	5	04/11/2018 16:21	WG1096656	
1,1-Dichloroethene	35.5			0.940	2.50	5	04/11/2018 16:21	WG1096656	
cis-1,2-Dichloroethene	10500			46.6	250	500	04/13/2018 15:40	WG1096656	
trans-1,2-Dichloroethene	29.8			0.760	2.50	5	04/11/2018 16:21	WG1096656	
1,2-Dichloropropane	U			0.950	2.50	5	04/11/2018 16:21	WG1096656	
1,1-Dichloropropene	U			0.640	2.50	5	04/11/2018 16:21	WG1096656	
1,3-Dichloropropane	U			0.735	5.00	5	04/11/2018 16:21	WG1096656	
cis-1,3-Dichloropropene	U			0.488	2.50	5	04/11/2018 16:21	WG1096656	
trans-1,3-Dichloropropene	U			1.11	2.50	5	04/11/2018 16:21	WG1096656	
trans-1,4-Dichloro-2-butene	U			1.28	25.0	5	04/11/2018 16:21	WG1096656	
2,2-Dichloropropane	U			0.464	2.50	5	04/11/2018 16:21	WG1096656	
Di-isopropyl ether	U			0.462	2.50	5	04/11/2018 16:21	WG1096656	
Ethylbenzene	0.813	J	J	0.790	2.50	5	04/11/2018 16:21	WG1096656	
Hexachloro-1,3-butadiene	U			0.785	5.00	5	04/11/2018 16:21	WG1096656	
2-Hexanone	U			3.78	25.0	5	04/11/2018 16:21	WG1096656	
n-Hexane	U	UJ	J0	1.52	25.0	5	04/11/2018 16:21	WG1096656	
Iodomethane	U			1.88	50.0	5	04/11/2018 16:21	WG1096656	
Isopropylbenzene	U			0.630	2.50	5	04/11/2018 16:21	WG1096656	
p-Isopropyltoluene	U			0.690	2.50	5	04/11/2018 16:21	WG1096656	
2-Butanone (MEK)	U			6.40	25.0	5	04/11/2018 16:21	WG1096656	
Methylene Chloride	U			5.35	12.5	5	04/11/2018 16:21	WG1096656	
4-Methyl-2-pentanone (MIBK)	U			4.12	25.0	5	04/11/2018 16:21	WG1096656	
Methyl tert-butyl ether	U			0.510	2.50	5	04/11/2018 16:21	WG1096656	
Naphthalene	U			0.870	12.5	5	04/11/2018 16:21	WG1096656	
n-Propylbenzene	U	UJ	J0	0.810	2.50	5	04/11/2018 16:21	WG1096656	
Styrene	U	UJ	J0	0.585	2.50	5	04/11/2018 16:21	WG1096656	
1,1,1,2-Tetrachloroethane	U			0.600	2.50	5	04/11/2018 16:21	WG1096656	
1,1,2,2-Tetrachloroethane	U	UJ	J0	0.650	2.50	5	04/11/2018 16:21	WG1096656	
1,1,2-Trichlorotrifluoroethane	U			0.820	2.50	5	04/11/2018 16:21	WG1096656	
Tetrachloroethene	19200			99.5	250	500	04/13/2018 15:40	WG1096656	
Toluene	U			2.06	2.50	5	04/11/2018 16:21	WG1096656	
1,2,3-Trichlorobenzene	U			0.820	2.50	5	04/11/2018 16:21	WG1096656	
1,2,4-Trichlorobenzene	U			1.78	2.50	5	04/11/2018 16:21	WG1096656	
1,1,1-Trichloroethane	U			0.470	2.50	5	04/11/2018 16:21	WG1096656	
1,1,2-Trichloroethane	U			0.930	2.50	5	04/11/2018 16:21	WG1096656	
Trichloroethene	8050			76.5	250	500	04/13/2018 15:40	WG1096656	
Trichlorofluoromethane	U			0.650	12.5	5	04/11/2018 16:21	WG1096656	
1,2,3-Trichloropropane	U			1.24	12.5	5	04/11/2018 16:21	WG1096656	
1,2,4-Trimethylbenzene	1.37	J	J	0.615	2.50	5	04/11/2018 16:21	WG1096656	JC 4/24/18
1,2,3-Trimethylbenzene	0.465	J	J	0.370	2.50	5	04/11/2018 16:21	WG1096656	
1,3,5-Trimethylbenzene	U			0.620	2.50	5	04/11/2018 16:21	WG1096656	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Vinyl acetate	U			3.22	25.0	5	04/11/2018 16:21	WG1096656
Vinyl chloride	863			0.590	2.50	5	04/11/2018 16:21	WG1096656
Xylenes, Total	1.64	J	J	1.58	7.50	5	04/11/2018 16:21	WG1096656
(S) Toluene-d8	*97.9*				*80.0-120*		*04/13/2018 15:40*	WG1096656
(S) Toluene-d8	*104*				*80.0-120*		*04/11/2018 16:21*	WG1096656
(S) Dibromofluoromethane	*88.8*				*76.0-123*		*04/11/2018 16:21*	WG1096656
(S) Dibromofluoromethane	*95.1*				*76.0-123*		*04/13/2018 15:40*	WG1096656
(S) 4-Bromofluorobenzene	*79.8*		J2		*80.0-120*		*04/11/2018 16:21*	WG1096656
(S) 4-Bromofluorobenzene	*101*				*80.0-120*		*04/13/2018 15:40*	WG1096656

Sample Narrative:

L984615-07 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/11/2018 17:52	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-122*		*04/11/2018 17:52*	WG1096478

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier		MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	U			1.05	25.0	1	04/11/2018 16:59	WG1096656	
Acrylonitrile	U			0.873	5.00	1	04/11/2018 16:59	WG1096656	
Benzene	U			0.0896	0.500	1	04/13/2018 11:07	WG1096656	
Bromobenzene	U			0.133	0.500	1	04/11/2018 16:59	WG1096656	
Bromodichloromethane	U			0.0800	0.500	1	04/11/2018 16:59	WG1096656	
Bromochloromethane	U			0.145	0.500	1	04/11/2018 16:59	WG1096656	
Bromoform	U			0.186	0.500	1	04/11/2018 16:59	WG1096656	
Bromomethane	U			0.157	2.50	1	04/11/2018 16:59	WG1096656	
n-Butylbenzene	U			0.143	0.500	1	04/11/2018 16:59	WG1096656	
sec-Butylbenzene	U			0.134	0.500	1	04/11/2018 16:59	WG1096656	
tert-Butylbenzene	U			0.183	0.500	1	04/11/2018 16:59	WG1096656	
Carbon disulfide	U	UJ	J0	0.101	0.500	1	04/11/2018 16:59	WG1096656	
Carbon tetrachloride	U			0.159	0.500	1	04/11/2018 16:59	WG1096656	
Chlorobenzene	U			0.140	0.500	1	04/11/2018 16:59	WG1096656	
Chlorodibromomethane	U			0.128	0.500	1	04/11/2018 16:59	WG1096656	
Chloroethane	U			0.141	2.50	1	04/11/2018 16:59	WG1096656	
Chloroform	U			0.0860	0.500	1	04/11/2018 16:59	WG1096656	
Chloromethane	U			0.153	1.25	1	04/11/2018 16:59	WG1096656	
2-Chlorotoluene	U			0.111	0.500	1	04/11/2018 16:59	WG1096656	
4-Chlorotoluene	U			0.0972	0.500	1	04/11/2018 16:59	WG1096656	
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/11/2018 16:59	WG1096656	
1,2-Dibromoethane	U			0.193	0.500	1	04/11/2018 16:59	WG1096656	
Dibromomethane	U			0.117	0.500	1	04/11/2018 16:59	WG1096656	
1,2-Dichlorobenzene	U			0.101	0.500	1	04/11/2018 16:59	WG1096656	
1,3-Dichlorobenzene	U			0.130	0.500	1	04/11/2018 16:59	WG1096656	
1,4-Dichlorobenzene	U			0.121	0.500	1	04/11/2018 16:59	WG1096656	
Dichlorodifluoromethane	U			0.127	2.50	1	04/11/2018 16:59	WG1096656	
1,1-Dichloroethane	U			0.114	0.500	1	04/11/2018 16:59	WG1096656	
1,2-Dichloroethane	U			0.108	0.500	1	04/11/2018 16:59	WG1096656	
1,1-Dichloroethene	U			0.188	0.500	1	04/11/2018 16:59	WG1096656	
cis-1,2-Dichloroethene	0.563			0.0933	0.500	1	04/13/2018 11:07	WG1096656	
trans-1,2-Dichloroethene	U			0.152	0.500	1	04/11/2018 16:59	WG1096656	
1,2-Dichloropropane	U			0.190	0.500	1	04/11/2018 16:59	WG1096656	
1,1-Dichloropropene	U			0.128	0.500	1	04/11/2018 16:59	WG1096656	
1,3-Dichloropropane	U			0.147	1.00	1	04/11/2018 16:59	WG1096656	
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/11/2018 16:59	WG1096656	
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/11/2018 16:59	WG1096656	
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/11/2018 16:59	WG1096656	
2,2-Dichloropropane	U			0.0929	0.500	1	04/11/2018 16:59	WG1096656	JC 4/24/18
Di-isopropyl ether	U			0.0924	0.500	1	04/11/2018 16:59	WG1096656	
Ethylbenzene	U			0.158	0.500	1	04/11/2018 16:59	WG1096656	
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/11/2018 16:59	WG1096656	
2-Hexanone	U			0.757	5.00	1	04/11/2018 16:59	WG1096656	
n-Hexane	U	UJ	J0	0.305	5.00	1	04/11/2018 16:59	WG1096656	
Iodomethane	U			0.377	10.0	1	04/11/2018 16:59	WG1096656	
Isopropylbenzene	U			0.126	0.500	1	04/11/2018 16:59	WG1096656	
p-Isopropyltoluene	U			0.138	0.500	1	04/11/2018 16:59	WG1096656	
2-Butanone (MEK)	U			1.28	5.00	1	04/11/2018 16:59	WG1096656	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		1.07	2.50	1	04/11/2018 16:59	WG1096656
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 16:59	WG1096656
Methyl tert-butyl ether	U		0.102	0.500	1	04/11/2018 16:59	WG1096656
Naphthalene	U		0.174	2.50	1	04/11/2018 16:59	WG1096656
n-Propylbenzene	U UJ	J0	0.162	0.500	1	04/11/2018 16:59	WG1096656
Styrene	U UJ	J0	0.117	0.500	1	04/11/2018 16:59	WG1096656
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 16:59	WG1096656
1,1,2,2-Tetrachloroethane	U UJ	J0	0.130	0.500	1	04/11/2018 16:59	WG1096656
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 16:59	WG1096656
Tetrachloroethene	0.294 J	J	0.199	0.500	1	04/13/2018 11:07	WG1096656
Toluene	U		0.412	0.500	1	04/11/2018 16:59	WG1096656
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 16:59	WG1096656
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 16:59	WG1096656
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 16:59	WG1096656
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 16:59	WG1096656
Trichloroethene	0.192 J	J	0.153	0.500	1	04/13/2018 11:07	WG1096656
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 16:59	WG1096656
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 16:59	WG1096656
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/11/2018 16:59	WG1096656
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/11/2018 16:59	WG1096656
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/11/2018 16:59	WG1096656
Vinyl acetate	U		0.645	5.00	1	04/11/2018 16:59	WG1096656
Vinyl chloride	U		0.118	0.500	1	04/11/2018 16:59	WG1096656
Xylenes, Total	U		0.316	1.50	1	04/11/2018 16:59	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 16:59*	WG1096656
(S) Toluene-d8	*101*			*80.0-120*		*04/13/2018 11:07*	WG1096656
(S) Dibromofluoromethane	*90.3*			*76.0-123*		*04/13/2018 11:07*	WG1096656
(S) Dibromofluoromethane	*92.0*			*76.0-123*		*04/11/2018 16:59*	WG1096656
(S) 4-Bromofluorobenzene	*79.5*	J2		*80.0-120*		*04/11/2018 16:59*	WG1096656
(S) 4-Bromofluorobenzene	*93.6*			*80.0-120*		*04/13/2018 11:07*	WG1096656

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	409000		2710	20000	1	04/12/2018 07:59	WG1096558

Sample Narrative:
L984615-05 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	65600		51.9	1000	1	04/12/2018 00:48	WG1096561
Nitrate	87.0 J	J	22.7	100	1	04/12/2018 00:48	WG1096561
Sulfate	2080 J	J	77.4	5000	1	04/12/2018 00:48	WG1096561

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	39200		204	2000	2	04/12/2018 16:37	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1380		15.0	100	1	04/15/2018 16:37	WG1096611
Manganese	536		0.250	5.00	1	04/15/2018 16:37	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	74.6 U	B J	31.6	100	1	04/11/2018 15:40	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-122*		*04/11/2018 15:40*	WG1096478

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Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	36500		7.18	17.0	25	04/17/2018 14:57	WG1099282
Ethane	83.3		0.296	1.29	1	04/17/2018 11:57	WG1099029
Ethene	1440		0.422	1.27	1	04/17/2018 11:57	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	52.0 J-		1.05	25.0	1	04/11/2018 15:44	WG1096656
Acrylonitrile	U UJ		0.873	5.00	1	04/11/2018 15:44	WG1096656
Benzene	0.253 J	J	0.0896	0.500	1	04/13/2018 14:02	WG1096656
Bromobenzene	U UJ		0.133	0.500	1	04/11/2018 15:44	WG1096656
Bromodichloromethane	U		0.0800	0.500	1	04/11/2018 15:44	WG1096656
Bromochloromethane	U		0.145	0.500	1	04/11/2018 15:44	WG1096656
Bromoform	U		0.186	0.500	1	04/11/2018 15:44	WG1096656
Bromomethane	U		0.157	2.50	1	04/11/2018 15:44	WG1096656
n-Butylbenzene	U		0.143	0.500	1	04/11/2018 15:44	WG1096656
sec-Butylbenzene	U		0.134	0.500	1	04/11/2018 15:44	WG1096656
tert-Butylbenzene	U		0.183	0.500	1	04/11/2018 15:44	WG1096656
Carbon disulfide	1.15 ~~UJ~~ JQ *		0.101	0.500	1	04/11/2018 15:44	WG1096656
Carbon tetrachloride	U UJ		0.159	0.500	1	04/11/2018 15:44	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.140	0.500	1	04/11/2018 15:44	WG1096656
Chlorodibromomethane	U		0.128	0.500	1	04/11/2018 15:44	WG1096656
Chloroethane	U		0.141	2.50	1	04/11/2018 15:44	WG1096656
Chloroform	U		0.0860	0.500	1	04/11/2018 15:44	WG1096656
Chloromethane	U		0.153	1.25	1	04/11/2018 15:44	WG1096656
2-Chlorotoluene	U		0.111	0.500	1	04/11/2018 15:44	WG1096656
4-Chlorotoluene	U		0.0972	0.500	1	04/11/2018 15:44	WG1096656
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/11/2018 15:44	WG1096656
1,2-Dibromoethane	U		0.193	0.500	1	04/11/2018 15:44	WG1096656
Dibromomethane	U		0.117	0.500	1	04/11/2018 15:44	WG1096656
1,2-Dichlorobenzene	U		0.101	0.500	1	04/11/2018 15:44	WG1096656
1,3-Dichlorobenzene	U		0.130	0.500	1	04/11/2018 15:44	WG1096656
1,4-Dichlorobenzene	U		0.121	0.500	1	04/11/2018 15:44	WG1096656
Dichlorodifluoromethane	U		0.127	2.50	1	04/11/2018 15:44	WG1096656
1,1-Dichloroethane	U		0.114	0.500	1	04/11/2018 15:44	WG1096656
1,2-Dichloroethane	U		0.108	0.500	1	04/11/2018 15:44	WG1096656
1,1-Dichloroethene	U		0.188	0.500	1	04/11/2018 15:44	WG1096656
cis-1,2-Dichloroethene	59.1		0.0933	0.500	1	04/11/2018 15:44	WG1096656
trans-1,2-Dichloroethene	0.388	J	0.152	0.500	1	04/11/2018 15:44	WG1096656
1,2-Dichloropropane	U		0.190	0.500	1	04/11/2018 15:44	WG1096656
1,1-Dichloropropene	U		0.128	0.500	1	04/11/2018 15:44	WG1096656
1,3-Dichloropropane	U		0.147	1.00	1	04/11/2018 15:44	WG1096656
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/11/2018 15:44	WG1096656
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/11/2018 15:44	WG1096656
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/11/2018 15:44	WG1096656
2,2-Dichloropropane	U		0.0929	0.500	1	04/11/2018 15:44	WG1096656
Di-isopropyl ether	U		0.0924	0.500	1	04/11/2018 15:44	WG1096656
Ethylbenzene	U		0.158	0.500	1	04/13/2018 14:02	WG1096656
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/11/2018 15:44	WG1096656
2-Hexanone	U		0.757	5.00	1	04/11/2018 15:44	WG1096656
n-Hexane	U	UJ JO	0.305	5.00	1	04/11/2018 15:44	WG1096656
Iodomethane	U		0.377	10.0	1	04/11/2018 15:44	WG1096656
Isopropylbenzene	U		0.126	0.500	1	04/11/2018 15:44	WG1096656
p-Isopropyltoluene	U		0.138	0.500	1	04/11/2018 15:44	WG1096656
2-Butanone (MEK)	9.14		1.28	5.00	1	04/11/2018 15:44	WG1096656
Methylene Chloride	U		1.07	2.50	1	04/11/2018 15:44	WG1096656
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/11/2018 15:44	WG1096656
Methyl tert-butyl ether	U		0.102	0.500	1	04/11/2018 15:44	WG1096656
Naphthalene	U		0.174	2.50	1	04/11/2018 15:44	WG1096656
n-Propylbenzene	U	UJ JO	0.162	0.500	1	04/11/2018 15:44	WG1096656
Styrene	U	UJ JO	0.117	0.500	1	04/11/2018 15:44	WG1096656
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/11/2018 15:44	WG1096656
1,1,2,2-Tetrachloroethane	U	UJ JO	0.130	0.500	1	04/11/2018 15:44	WG1096656
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/11/2018 15:44	WG1096656
Tetrachloroethene	1.13		0.199	0.500	1	04/13/2018 14:02	WG1096656
Toluene	U		0.412	0.500	1	04/11/2018 15:44	WG1096656
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/11/2018 15:44	WG1096656
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/11/2018 15:44	WG1096656
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/11/2018 15:44	WG1096656
1,1,2-Trichloroethane	U		0.186	0.500	1	04/11/2018 15:44	WG1096656
Trichloroethene	0.310	U J	0.153	0.500	1	04/13/2018 14:02	WG1096656
Trichlorofluoromethane	U		0.130	2.50	1	04/11/2018 15:44	WG1096656
1,2,3-Trichloropropane	U		0.247	2.50	1	04/11/2018 15:44	WG1096656
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/11/2018 15:44	WG1096656
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/11/2018 15:44	WG1096656
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/11/2018 15:44	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Vinyl acetate	U		0.645	5.00	1	04/11/2018 15:44	WG1096656
Vinyl chloride	11.4		0.118	0.500	1	04/13/2018 14:02	WG1096656
Xylenes, Total	U		0.316	1.50	1	04/13/2018 14:02	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 15:44*	WG1096656
(S) Toluene-d8	*96.9*			*80.0-120*		*04/13/2018 14:02*	WG1096656
(S) Dibromofluoromethane	*92.7*			*76.0-123*		*04/13/2018 14:02*	WG1096656
(S) Dibromofluoromethane	*90.5*			*76.0-123*		*04/11/2018 15:44*	WG1096656
(S) 4-Bromofluorobenzene	*79.6*	J2		*80.0-120*		*04/11/2018 15:44*	WG1096656
(S) 4-Bromofluorobenzene	*97.6*			*80.0-120*		*04/13/2018 14:02*	WG1096656

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	312000		2710	20000	1	04/12/2018 08:06	WG1096558

Sample Narrative:
L984615-06 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	128000		260	5000	5	04/12/2018 00:24	WG1096737
Nitrate	U		22.7	100	1	04/12/2018 00:08	WG1096737
Sulfate	15000		77.4	5000	1	04/12/2018 00:08	WG1096737

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	13200		102	1000	1	04/12/2018 16:54	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	210		15.0	100	1	04/15/2018 16:41	WG1096611
Manganese	386		0.250	5.00	1	04/15/2018 16:41	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	40600		632	2000	20	04/11/2018 16:02	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-122*		*04/11/2018 16:02*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1590		0.287	0.678	1	04/17/2018 12:03	WG1099029
Ethane	41.1		0.296	1.29	1	04/17/2018 12:03	WG1099029
Ethene	1830		0.422	1.27	1	04/17/2018 12:03	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	22.5 J	J	21.0	500	20	04/11/2018 16:03	WG1096656
Acrylonitrile	U UJ		17.5	100	20	04/11/2018 16:03	WG1096656
Benzene	U		224	1250	2500	04/13/2018 15:21	WG1096656
Bromobenzene	U UJ		2.66	10.0	20	04/11/2018 16:03	WG1096656
Bromodichloromethane	U		1.60	10.0	20	04/11/2018 16:03	WG1096656
Bromochloromethane	U		2.90	10.0	20	04/11/2018 16:03	WG1096656
Bromoform	U		3.72	10.0	20	04/11/2018 16:03	WG1096656
Bromomethane	U		3.14	50.0	20	04/11/2018 16:03	WG1096656
n-Butylbenzene	U		2.86	10.0	20	04/11/2018 16:03	WG1096656
sec-Butylbenzene	U		2.68	10.0	20	04/11/2018 16:03	WG1096656
tert-Butylbenzene	U		3.66	10.0	20	04/11/2018 16:03	WG1096656
Carbon disulfide	U UJ	JO	2.02	10.0	20	04/11/2018 16:03	WG1096656
Carbon tetrachloride	U UJ		3.18	10.0	20	04/11/2018 16:03	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U	UJ	2.80	10.0	20	04/11/2018 16:03	WG1096656
Chlorodibromomethane	U		2.56	10.0	20	04/11/2018 16:03	WG1096656
Chloroethane	U		2.82	50.0	20	04/11/2018 16:03	WG1096656
Chloroform	U		1.72	10.0	20	04/11/2018 16:03	WG1096656
Chloromethane	U		3.06	25.0	20	04/11/2018 16:03	WG1096656
2-Chlorotoluene	U		2.22	10.0	20	04/11/2018 16:03	WG1096656
4-Chlorotoluene	U		1.94	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dibromo-3-Chloropropane	U		6.50	50.0	20	04/11/2018 16:03	WG1096656
1,2-Dibromoethane	U		3.86	10.0	20	04/11/2018 16:03	WG1096656
Dibromomethane	U		2.34	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dichlorobenzene	U		2.02	10.0	20	04/11/2018 16:03	WG1096656
1,3-Dichlorobenzene	U		2.60	10.0	20	04/11/2018 16:03	WG1096656
1,4-Dichlorobenzene	U		2.42	10.0	20	04/11/2018 16:03	WG1096656
Dichlorodifluoromethane	U		2.54	50.0	20	04/11/2018 16:03	WG1096656
1,1-Dichloroethane	U		2.28	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dichloroethane	U		2.16	10.0	20	04/11/2018 16:03	WG1096656
1,1-Dichloroethene	107	J-	3.76	10.0	20	04/11/2018 16:03	WG1096656
cis-1,2-Dichloroethene	35300		233	1250	2500	04/13/2018 15:21	WG1096656
trans-1,2-Dichloroethene	42.1	J-	3.04	10.0	20	04/11/2018 16:03	WG1096656
1,2-Dichloropropane	U	UJ	3.80	10.0	20	04/11/2018 16:03	WG1096656
1,1-Dichloropropene	U		2.56	10.0	20	04/11/2018 16:03	WG1096656
1,3-Dichloropropane	U		2.94	20.0	20	04/11/2018 16:03	WG1096656
cis-1,3-Dichloropropene	U		1.95	10.0	20	04/11/2018 16:03	WG1096656
trans-1,3-Dichloropropene	U		4.44	10.0	20	04/11/2018 16:03	WG1096656
trans-1,4-Dichloro-2-butene	U		5.14	100	20	04/11/2018 16:03	WG1096656
2,2-Dichloropropane	U		1.86	10.0	20	04/11/2018 16:03	WG1096656
Di-isopropyl ether	U		1.85	10.0	20	04/11/2018 16:03	WG1096656
Ethylbenzene	3.27	J- J	3.16	10.0	20	04/11/2018 16:03	WG1096656
Hexachloro-1,3-butadiene	U	UJ	3.14	20.0	20	04/11/2018 16:03	WG1096656
2-Hexanone	U		15.1	100	20	04/11/2018 16:03	WG1096656
n-Hexane	U	UJ JO	6.10	100	20	04/11/2018 16:03	WG1096656
Iodomethane	U	UJ	7.54	200	20	04/11/2018 16:03	WG1096656
Isopropylbenzene	U		2.52	10.0	20	04/11/2018 16:03	WG1096656
p-Isopropyltoluene	U		2.76	10.0	20	04/11/2018 16:03	WG1096656
2-Butanone (MEK)	U		25.6	100	20	04/11/2018 16:03	WG1096656
Methylene Chloride	U		21.4	50.0	20	04/11/2018 16:03	WG1096656
4-Methyl-2-pentanone (MIBK)	U		16.5	100	20	04/11/2018 16:03	WG1096656
Methyl tert-butyl ether	U		2.04	10.0	20	04/11/2018 16:03	WG1096656
Naphthalene	U		3.48	50.0	20	04/11/2018 16:03	WG1096656
n-Propylbenzene	U	UJ JO	3.24	10.0	20	04/11/2018 16:03	WG1096656
Styrene	U	UJ JO	2.34	10.0	20	04/11/2018 16:03	WG1096656
1,1,1,2-Tetrachloroethane	U	UJ	2.40	10.0	20	04/11/2018 16:03	WG1096656
1,1,2,2-Tetrachloroethane	U	UJ JO	2.60	10.0	20	04/11/2018 16:03	WG1096656
1,1,2-Trichlorotrifluoroethane	U	UJ	3.28	10.0	20	04/11/2018 16:03	WG1096656
Tetrachloroethene	67300		498	1250	2500	04/13/2018 15:21	WG1096656
Toluene	U	UJ	8.24	10.0	20	04/11/2018 16:03	WG1096656
1,2,3-Trichlorobenzene	U		3.28	10.0	20	04/11/2018 16:03	WG1096656
1,2,4-Trichlorobenzene	U		7.10	10.0	20	04/11/2018 16:03	WG1096656
1,1,1-Trichloroethane	U		1.88	10.0	20	04/11/2018 16:03	WG1096656
1,1,2-Trichloroethane	U		3.72	10.0	20	04/11/2018 16:03	WG1096656
Trichloroethene	6550		382	1250	2500	04/13/2018 15:21	WG1096656
Trichlorofluoromethane	U	UJ	2.60	50.0	20	04/11/2018 16:03	WG1096656
1,2,3-Trichloropropane	U		4.94	50.0	20	04/11/2018 16:03	WG1096656
1,2,4-Trimethylbenzene	3.63	J- J	2.46	10.0	20	04/11/2018 16:03	WG1096656
1,2,3-Trimethylbenzene	1.91	J- J	1.48	10.0	20	04/11/2018 16:03	WG1096656
1,3,5-Trimethylbenzene	U	UJ	2.48	10.0	20	04/11/2018 16:03	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Vinyl acetate	U	U5	12.9	100	20	04/11/2018 16:03	WG1096656
Vinyl chloride	3660		295	1250	2500	04/13/2018 15:21	WG1096656
Xylenes, Total	U		790	3750	2500	04/13/2018 15:21	WG1096656
(S) Toluene-d8	*97.4*			*80.0-120*		*04/13/2018 15:21*	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 16:03*	WG1096656
(S) Dibromofluoromethane	*90.1*			*76.0-123*		*04/11/2018 16:03*	WG1096656
(S) Dibromofluoromethane	*92.8*			*76.0-123*		*04/13/2018 15:21*	WG1096656
(S) 4-Bromofluorobenzene	*79.9*	J2		*80.0-120*		*04/11/2018 16:03*	WG1096656
(S) 4-Bromofluorobenzene	*96.2*			*80.0-120*		*04/13/2018 15:21*	WG1096656

Sample Narrative:

L984615-06 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	504000		2710	20000	1	04/12/2018 08:12	WG1096558

Sample Narrative:
L984615-07 WG1096558: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	44600		51.9	1000	1	04/12/2018 00:39	WG1096737
Nitrate	U		22.7	100	1	04/12/2018 00:39	WG1096737
Sulfate	16900		77.4	5000	1	04/12/2018 00:39	WG1096737

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9940		102	1000	1	04/12/2018 18:25	WG1096988

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	2180		15.0	100	1	04/15/2018 16:46	WG1096611
Manganese	2700		0.250	5.00	1	04/15/2018 16:46	WG1096611

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	11700		158	500	5	04/11/2018 16:46	WG1096478
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-122*		*04/11/2018 16:46*	WG1096478

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	14400		5.74	13.6	20	04/17/2018 15:00	WG1099282
Ethane	414		0.296	1.29	1	04/17/2018 12:08	WG1099029
Ethene	363		0.422	1.27	1	04/17/2018 12:08	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	VS	5.25	125	5	04/11/2018 16:21	WG1096656
Acrylonitrile	U		4.36	25.0	5	04/11/2018 16:21	WG1096656
Benzene	U		44.8	250	500	04/13/2018 15:40	WG1096656
Bromobenzene	U	VS	0.665	2.50	5	04/11/2018 16:21	WG1096656
Bromodichloromethane	U		0.400	2.50	5	04/11/2018 16:21	WG1096656
Bromochloromethane	U		0.725	2.50	5	04/11/2018 16:21	WG1096656
Bromoform	U		0.930	2.50	5	04/11/2018 16:21	WG1096656
Bromomethane	U		0.785	12.5	5	04/11/2018 16:21	WG1096656
n-Butylbenzene	U		0.715	2.50	5	04/11/2018 16:21	WG1096656
sec-Butylbenzene	U		0.670	2.50	5	04/11/2018 16:21	WG1096656
tert-Butylbenzene	U		0.915	2.50	5	04/11/2018 16:21	WG1096656
Carbon disulfide	U	UJ JO	0.505	2.50	5	04/11/2018 16:21	WG1096656
Carbon tetrachloride	U	VS	0.795	2.50	5	04/11/2018 16:21	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U	UJ	0.700	2.50	5	04/11/2018 16:21	WG1096656
Chlorodibromomethane	U		0.640	2.50	5	04/11/2018 16:21	WG1096656
Chloroethane	28.8	J-	0.705	12.5	5	04/11/2018 16:21	WG1096656
Chloroform	U	UJ	0.430	2.50	5	04/11/2018 16:21	WG1096656
Chloromethane	U		0.765	6.25	5	04/11/2018 16:21	WG1096656
2-Chlorotoluene	U		0.555	2.50	5	04/11/2018 16:21	WG1096656
4-Chlorotoluene	U		0.486	2.50	5	04/11/2018 16:21	WG1096656
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	04/11/2018 16:21	WG1096656
1,2-Dibromoethane	U		0.965	2.50	5	04/11/2018 16:21	WG1096656
Dibromomethane	U		0.585	2.50	5	04/11/2018 16:21	WG1096656
1,2-Dichlorobenzene	U		0.505	2.50	5	04/11/2018 16:21	WG1096656
1,3-Dichlorobenzene	U		0.650	2.50	5	04/11/2018 16:21	WG1096656
1,4-Dichlorobenzene	U		0.605	2.50	5	04/11/2018 16:21	WG1096656
Dichlorodifluoromethane	U		0.635	12.5	5	04/11/2018 16:21	WG1096656
1,1-Dichloroethane	U		0.570	2.50	5	04/11/2018 16:21	WG1096656
1,2-Dichloroethane	U		0.540	2.50	5	04/11/2018 16:21	WG1096656
1,1-Dichloroethene	35.5	J-	0.940	2.50	5	04/11/2018 16:21	WG1096656
cis-1,2-Dichloroethene	10500		46.6	250	500	04/13/2018 15:40	WG1096656
trans-1,2-Dichloroethene	29.8	J-	0.760	2.50	5	04/11/2018 16:21	WG1096656
1,2-Dichloropropane	U	UJ	0.950	2.50	5	04/11/2018 16:21	WG1096656
1,1-Dichloropropene	U		0.640	2.50	5	04/11/2018 16:21	WG1096656
1,3-Dichloropropane	U		0.735	5.00	5	04/11/2018 16:21	WG1096656
cis-1,3-Dichloropropene	U		0.488	2.50	5	04/11/2018 16:21	WG1096656
trans-1,3-Dichloropropene	U		1.11	2.50	5	04/11/2018 16:21	WG1096656
trans-1,4-Dichloro-2-butene	U		1.28	25.0	5	04/11/2018 16:21	WG1096656
2,2-Dichloropropane	U		0.464	2.50	5	04/11/2018 16:21	WG1096656
Di-isopropyl ether	U		0.462	2.50	5	04/11/2018 16:21	WG1096656
Ethylbenzene	0.813	J- J	0.790	2.50	5	04/11/2018 16:21	WG1096656
Hexachloro-1,3-butadiene	U	UJ	0.785	5.00	5	04/11/2018 16:21	WG1096656
2-Hexanone	U	UJ	3.78	25.0	5	04/11/2018 16:21	WG1096656
n-Hexane	U	UJ JO	1.52	25.0	5	04/11/2018 16:21	WG1096656
Iodomethane	U	UJ	1.88	50.0	5	04/11/2018 16:21	WG1096656
Isopropylbenzene	U		0.630	2.50	5	04/11/2018 16:21	WG1096656
p-Isopropyltoluene	U		0.690	2.50	5	04/11/2018 16:21	WG1096656
2-Butanone (MEK)	U		6.40	25.0	5	04/11/2018 16:21	WG1096656
Methylene Chloride	U		5.35	12.5	5	04/11/2018 16:21	WG1096656
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	04/11/2018 16:21	WG1096656
Methyl tert-butyl ether	U		0.510	2.50	5	04/11/2018 16:21	WG1096656
Naphthalene	U		0.870	12.5	5	04/11/2018 16:21	WG1096656
n-Propylbenzene	U	UJ JO	0.810	2.50	5	04/11/2018 16:21	WG1096656
Styrene	U	UJ JO	0.585	2.50	5	04/11/2018 16:21	WG1096656
1,1,1,2-Tetrachloroethane	U	UJ	0.600	2.50	5	04/11/2018 16:21	WG1096656
1,1,2,2-Tetrachloroethane	U	UJ JO	0.650	2.50	5	04/11/2018 16:21	WG1096656
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	04/11/2018 16:21	WG1096656
Tetrachloroethene	19200		99.5	250	500	04/13/2018 15:40	WG1096656
Toluene	U	UJ	2.06	2.50	5	04/11/2018 16:21	WG1096656
1,2,3-Trichlorobenzene	U		0.820	2.50	5	04/11/2018 16:21	WG1096656
1,2,4-Trichlorobenzene	U		1.78	2.50	5	04/11/2018 16:21	WG1096656
1,1,1-Trichloroethane	U		0.470	2.50	5	04/11/2018 16:21	WG1096656
1,1,2-Trichloroethane	U		0.930	2.50	5	04/11/2018 16:21	WG1096656
Trichloroethene	8050		76.5	250	500	04/13/2018 15:40	WG1096656
Trichlorofluoromethane	U	UJ	0.650	12.5	5	04/11/2018 16:21	WG1096656
1,2,3-Trichloropropane	U		1.24	12.5	5	04/11/2018 16:21	WG1096656
1,2,4-Trimethylbenzene	1.37	J- J	0.615	2.50	5	04/11/2018 16:21	WG1096656
1,2,3-Trimethylbenzene	0.465	J- J	0.370	2.50	5	04/11/2018 16:21	WG1096656
1,3,5-Trimethylbenzene	U	UJ	0.620	2.50	5	04/11/2018 16:21	WG1096656

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		3.22	25.0	5	04/11/2018 16:21	WG1096656
Vinyl chloride	863		0.590	2.50	5	04/11/2018 16:21	WG1096656
Xylenes, Total	1.64	J	1.58	7.50	5	04/11/2018 16:21	WG1096656
(S) Toluene-d8	*97.9*			*80.0-120*		*04/13/2018 15:40*	WG1096656
(S) Toluene-d8	*104*			*80.0-120*		*04/11/2018 16:21*	WG1096656
(S) Dibromofluoromethane	*88.8*			*76.0-123*		*04/11/2018 16:21*	WG1096656
(S) Dibromofluoromethane	*95.1*			*76.0-123*		*04/13/2018 15:40*	WG1096656
(S) 4-Bromofluorobenzene	*79.8*	J2		*80.0-120*		*04/11/2018 16:21*	WG1096656
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/13/2018 15:40*	WG1096656

Sample Narrative:

L984615-07 WG1096656: Target and Non-target compounds too high to run at a lower dilution.

JC 4/24/18

MEMORANDUM

TO: Project File **DATE:** ~~April 27~~May 1, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.05.304

TASK: March and April, 2018 - Groundwater Samples

LAB: ESC Sample Delivery Groups L982159, L983082, L984034, L984275, and L984615

Sixty-nine (69) groundwater samples including two field duplicates, and five trip blanks were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on March 28-30, April 2-6, and April 9-10, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C;
- Total petroleum hydrocarbons as gasoline (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- VOCs by EPA SOP RSK 175;
- Alkalinity by Method 2320 B-2011;
- Anions (Chloride, Nitrate, and Sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020A.

Associated sample data are reported in five ESC SDGs (SDGs L982159, L983082, L984034, L984275, and L984615). The quality assurance review of the sample data are summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017) and USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation less than 6°C. Samples were received in good condition with the following discussions:

- ESC SDGs L982159, L983082, L984034, L984275, and L984615: Review of associated chain of custodies (COCs) show that the relinquished portion was not signed, however daily field forms show record of sample delivery to FedEx for shipment to ESC. Internal corrective action was implemented by PES to ensure that COCs are signed and dated when relinquishing possession/custody of the samples.

- ESC SDG L984034: Sample 'MW15-4-5+18' should read MW15-04518. Since the correction is relatively minor no revision from ESC was requested. Sample MW15-4-5+18 will be or is identified as **MW15-04518** in the report.

- ESC SDG L984034: Review of *ESC Lab Sciences Non-Conformance Form* shows that broken containers were received for samples MW111-040618 and MW109-040618. PES instructed ESC to proceed with analysis using the remaining sample containers. No further action was taken other than to note this.

No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria were met.

NWTPH-Gx Method:
All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

USEPA Method 6020A:
All samples were analyzed within the USEPA recommended holding time for arsenic of 180 days for preserved waters from the date of sample collection. All holding time criteria were met.

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days), chloride (28 days), sulfate (28 days), and nitrate (48 hours), and TOC (28 days) for preserved waters from the date of sample collection. All holding time criteria were met.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- SDG L982159 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for n-hexane, 1,2,3-trichlorobenzene, and vinyl acetate associated with analytical batch WG1093670 (analyzed on April 4, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L984034 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for vinyl acetate associated with analytical batch WG1095362 (analyzed on April 9, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L984275 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone and bromodichloromethane associated with analytical batch WG1096032 (analyzed on April 10, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L984615 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for carbon disulfide, n-hexane, n-propylbenzene, styrene and 1,1,2,2-tetrachloroethane associated with analytical batch WG1096656 (analyzed on April 11, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L982159 - Analytical batch WG1093670: Low levels of hexachloro-1,3-butadiene and 1,2,3-trichlorobenzene were detected in the method blank. No action was necessary as these compounds were not detected in the associated samples.

- SDG L984034 - Analytical batch WG1095442: Low levels of acetone, carbon disulfide, hexachloro-1,3-butadiene, 1,2,3-trichlorobenzene, and naphthalene were detected in the method blank and are each discussed as follows:

    - Acetone detections were detected at low levels in associated samples (F13-040518, J5-040518, MW121-040518, MW119-040518, K8-4518, MW15-4-5+18, MW108-040618, MW109-040618, MW103-040618, MW126-040618, MW902-040618, R-MW6-040618, and MW125-040618). **Acetone results for these samples are qualified as not detected (U) due to method blank contamination.**

    - Carbon disulfide detections were detected at low levels in associated samples (F13-040518, MW15-4-5+18, MW103-040618, MW126-040618, MW111-040618, and in the trip blank). **Carbon disulfide results for these samples are qualified as not detected (U) due to method blank contamination.**

    - Hexachloro-1,3-butadiene was detected at a low level in the associated trip blank. **Hexachloro-1,3-butadiene result for the trip blank is qualified as not detected (U) due to method blank contamination.**

    - VOC compound 1,2,3-trichlorobenzene was not detected in the associated samples. No action was necessary.

    - Naphthalene was detected at low levels in samples MW101-040618 and SCL-MW105-040618. No action was taken for sample MW101-040618 since the naphthalene concentration is significantly greater than the blank contamination. Naphthalene was detected at a low level in sample SCL-MW105-040618. **Naphthalene result for sample SCL-MW105-040618 is qualified as not detected (U) due to method blank contamination.**

- SDG L984275 - Analytical batch WG1096032: A low level of naphthalene was detected in the method blank. No action was necessary as this compound was not detected in the associated samples.

- SDG L984615 - Analytical batch WG1096656: A low level of 1,2,3-trichlorobenzene was detected in the method blank. No action was necessary as this compound was not detected in the associated samples.

NWTPH-Gx Method:
Laboratory method blanks were included with the analytical batches per method requirement. The target analyte (gasoline) was not detected in the method blanks at or above the RDLs with the following exceptions:

- SDG L984275 - Analytical batch WG1096478: Gasoline as detected at a low level in the method blank. No action was taken since it is not detected in the associated sample (trip blank).

- SDG L984615 - Analytical batch WG1096478: Gasoline as detected at a low level in the method blank. No action was taken for samples MW-150-041018, MW-152-041018, and MW-149-041018 since gasoline concentrations far exceed the detection in the method blank. **Sample MW-151-041018 gasoline result was reported below the RDL and is qualified as not detected (U) due to blank contamination.**

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) were not detected in the method blanks at or above the RDLs.

USEPA Method 6020A:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the RDLs with the following exceptions:

- SDG L984615 - Analytical batch WG1096611: Iron was detected at a low level in the method blank. No action was taken since the sample amounts are far greater than the detection in the method blank

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the RDLs with the following exceptions:

- SDG L984275 - Analytical batch WG1096122: Chloride was detected at a low level in the method blank. No action was necessary as chloride detections in the associated samples are far greater than the detection in the method blank.

- SDGs L984275 and L984615 - Analytical batches WG1096470 and WG1096558: Alkalinity method blanks are not analyzed by the laboratory. No action is taken other than to note this.

Trip Blank Results

USEPA Method 8260Cand NWTPH-Gx Method:
Five trip blanks were collected and analyzed. The target analytes were not detected in the trip blanks at or above the RDLs with the following exceptions:

- SDG L982159 - Analytical batch WG1093670: Low levels of acetone, hexachloro-1,3-butadiene and 1,2,3-trichlorobenzene were detected in the trip blank. For hexachloro-1,3-butadiene and 1,2,3-trichlorobenzene no action was necessary as these compounds are not detected in the associated samples. **Associated samples (IW-51B-032818, IW-37A-032818, IW-45B-032818, IW-4A-032818, IW-3B-032818, IW-1C-032918, IW-4D-032918, IW-37B-032918, IW-9A-032918, IW-8B-033018, IW-18A-033018, IW-17B-033018, IW-24B-033018, IW-15C-033018, IW-20C-033018, and MW-901-033018)**

with acetone detected less than the RDL are qualified (U) as not detected due to trip blank contamination.

- SDG L983082 Analytical batch WG1094404: **A low level of gasoline was detected in the trip blank. Associated sample R-MW2-040218 with gasoline detected less than the RDL is qualified (U) as not detected due to trip blank contamination.**

- SDG L984034 Analytical batch WG1095442: Low levels carbon disulfide and hexachloro-1,3-butadiene were detected in the trip blank however these are laboratory qualified (B) due to associated method blank contamination. No action was taken on this basis. Refer to the section on Method Blank Results for further discussion.

- SDG L984615 Analytical batch WG1096656: Low levels of cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene were detected in the trip blank. For cis-1,2-dichloroethene, tetrachloroethene and trichloroethene no action was taken since sample concentrations are greater than the RDL and in some cases far exceed the blank detection with one exception**. The trichloroethene result for sample MW-151-041018 is less than the RDL and is qualified (U) as not detected due to trip blank contamination.**

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- ESC SDG L982159: Samples IW-20C-033018 and MW-901-033018
- ESC SDG L984034: Samples MW108-040618 and MW902-040618

VOC target analyte results are comparable and within a relative percent difference (RPD) of 30% for both sets of field duplicates.

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

NWTPH-Gx Method:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

Laboratory duplicate sample analyses were performed on client sample MW-150-04101 and on a non-client sample within the analytical batch. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

USEPA Method 6020A:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
A laboratory duplicate sample was performed on client samples and on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control limits.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, duplicates, laboratory control samples, matrix spike samples, trip blanks, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exceptions:

- SDG L982159 - Analytical batch WG1093670 on April 4, 2018: Surrogate 4-bromofluorobenzene was recovered slightly below laboratory control limit criteria (80-120%) in ten samples IW-51B-032818, IW-37A-032818, IW-4A-032818, IW-3B-032818, IW-1C-032918, IW-4D-032918, IW-19C-032918, IW-37B-032918, IW-18A-033018, and MW-901-033018. **All ten sample results (analyzed on April 4, 2018) for VOCs with the exception of qualified (U) acetone results are estimated and qualified (J-/UJ) due to low surrogate recovery. Note the qualifier J- indicates that the result is an estimated quantity, but the result may be biased low.**

- SDG L982159 - Analytical batch WG1093670 on April 4, 2018: Surrogate toluene-d8 was recovered at 127% and above laboratory control limit criteria (80-120%) in sample IW-24B-033018. **All positively detected sample IW-24B-033018 results (from April 4, 2018) except for acetone are estimated with potential high bias (J+) due to elevated surrogate recovery.**

- SDG L984275- Analytical batch WG1096032 on April 11, 2018: Surrogate 4-bromofluorobenzene was recovered slightly below laboratory control limit criteria (80-120%) in samples MW110-040918 and MW107-040918. **Sample MW110-040918 and MW107-040918 VOC results (analyzed on April 11, 2018) are estimated and qualified (J-/UJ) due to low surrogate recovery.**

- SDG L984615 Analytical batch WG1096656 on April 11, 2018: Surrogate 4-bromofluorobenzene was recovered slightly below laboratory control limit criteria (80-120%) in samples MW-151-041018, MW-152-041018, and MW-149-041018. **All three sample results (analyzed on April 11, 2018) for VOCs with the exception of a**

qualified (U) result on sample MW-151-041018 are estimated and qualified (J-/UJ) due to low surrogate recovery.

NWTPH-Gx Method:
The surrogate recovery results for the samples, duplicates, laboratory control samples, matrix spike samples, trip blanks, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:

Laboratory control sample (LCS) or LCS/LCSD were analyzed by USEPA Method 8260C method. The LCS % Rs or LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for waters with the following discussions and exceptions:

- SDG L982159 - Analytical batch WG1093670: An LCS was analyzed along with this batch. Refer to field duplicate results for precision data.

- SDG L983082 - Analytical batch WG1094069: A LCS was analyzed along with this batch. No action was taken since this batch is associated with the trip blank sample.

- SDG L984034 - Analytical batch WG1095442: A LCS was analyzed along with this batch and precision data are not available for samples associated with this batch. No action was taken other than to note this. All recoveries are within criteria except for vinyl acetate which was recovered above control limit criteria and laboratory qualified (J4). No action was taken since vinyl acetate was not detected in the associated samples.

- SDG L984275 - Analytical batch WG1096032: LCS/LCSD recoveries are within criteria except for iodomethane recoveries which were wide and laboratory qualified (J3). No action was taken since iodomethane recoveries are within laboratory control limit criteria.

- SDG L984615 - Analytical batch WG1096656: A LCS was analyzed along with this batch and precision data are not available for samples associated with this batch. No action was taken other than to note this.

NWTPH-Gx Method:

The LCS/LCSD %Rs and RPDs for the target compound (gasoline) are within the laboratory control criteria for waters.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
The LCS/LCSD %Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

USEPA Method 6020A:
The LCS/LCSD %Rs and RPDs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
The LCS/LCSD %Rs and RPDs for general chemistry parameters are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to LCS/LCSD or field duplicate data for accuracy and precision data.

NWTPH-Gx Method:
MS/MSD analyses were performed on non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS/LCSD for accuracy and precision data. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for waters.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to LCS/LCSD or laboratory duplicate data for accuracy and precision data.

USEPA Method 6020A:
MS/MSD analyses were performed on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples.

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples. In cases where MS/MSD spike analyses are not performed refer to LCS/LCSD or laboratory duplicate data for accuracy and precision data.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- SDGs L984275 and L984615: Selected sample narratives for alkalinity results indicate that several sample containers had some headspace and exposure to air may have impacted the reported results. No action was taken other than to note this.

Quantitation Limits

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. ESC sample narrative notes indicate that for water samples IW-15C-033018, IW-1D-040318, MW109-040618, and SCL-MW105-040618 the target compounds were too high to run the sample at a lower dilution. ESC sample narrative notes indicate that for water samples IW-42A-041018, IW-41A-041018, IW-

47B-041018, MW-150-041018, MW-152-041018, and MW-149-041018 both target and non-target compounds were too high to run the samples at a lower dilution. The RDLs used for this sample group are acceptable for the project with the following exception:

- SDG L984034: SDG L984034: Sample MW109-040618 narrative notes indicate that tetrachloroethene (PCE) was not reportable without a dilution due to possible carryover from sample MW108-040618 (April 8, 2018). The sample was subsequently diluted tenfold and reanalyzed. PCE was reported as a non-detect. ESC narrative notes also indicate that PCE cannot be reported at a lower dilution due to high levels of target compounds. **The sample was not reanalyzed without a dilution due to high levels of targets and as a result carryover was not confirmed. The PCE result for sample MW109-040618 is estimated and qualified (UJ) since the laboratory indicated a potential for PCE carryover.**

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017); and
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

ANALYTICAL REPORT

April 19, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L984988
Samples Received:	04/12/2018
Project Number:	1413.001.05.601
Description:	American Linen
Site:	1413.001.05.601
Report To:	Brian O'Neal/Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

BB-8-041118 L984988-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/11/18 09:45 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1097253	1	04/13/18 21:51	04/13/18 21:51	MCG
Wet Chemistry by Method 9056A	WG1097077	1	04/12/18 21:13	04/12/18 21:13	MAJ
Wet Chemistry by Method 9060A	WG1097605	1	04/13/18 11:52	04/13/18 11:52	EG
Metals (ICPMS) by Method 6020A	WG1097160	1	04/13/18 11:10	04/15/18 22:41	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097649	1	04/13/18 12:34	04/13/18 12:34	JAH
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 12:14	04/17/18 12:14	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/12/18 14:09	04/12/18 14:09	JAH

MW-116-041118 L984988-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/11/18 12:21 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/12/18 14:29	04/12/18 14:29	JAH

MW-115-041118 L984988-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/11/18 11:51 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/12/18 14:49	04/12/18 14:49	JAH

MW113-041118 L984988-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/11/18 12:18 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/12/18 15:09	04/12/18 15:09	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	200	04/16/18 11:29	04/16/18 11:29	ACG

MW105-041118 L984988-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/11/18 10:35 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1097253	1	04/13/18 21:57	04/13/18 21:57	MCG
Wet Chemistry by Method 9056A	WG1097077	1	04/12/18 21:25	04/12/18 21:25	MAJ
Wet Chemistry by Method 9060A	WG1097605	1	04/13/18 12:04	04/13/18 12:04	EG
Metals (ICPMS) by Method 6020A	WG1097160	1	04/13/18 11:10	04/16/18 00:19	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097649-1	1	04/17/18 13:44	04/17/18 13:44	JAH
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 12:17	04/17/18 12:17	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/12/18 15:29	04/12/18 15:29	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/16/18 11:49	04/16/18 11:49	ACG

MW903-041118 L984988-06 GW

Collected by: Jeff Dobbins | Collected date/time: 04/11/18 10:51 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1097253	1	04/13/18 22:03	04/13/18 22:03	MCG
Wet Chemistry by Method 9056A	WG1097077	1	04/12/18 21:38	04/12/18 21:38	MAJ
Wet Chemistry by Method 9060A	WG1097605	1	04/13/18 13:10	04/13/18 13:10	EG
Metals (ICPMS) by Method 6020A	WG1097160	1	04/13/18 11:10	04/15/18 22:22	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097649	1	04/13/18 13:18	04/13/18 13:18	JAH
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 12:19	04/17/18 12:19	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/12/18 15:49	04/12/18 15:49	JAH

R-MW5-041118 L984988-07 GW

Collected by: Jeff Dobbins
Collected date/time: 04/11/18 13:47
Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097649	1	04/13/18 13:40	04/13/18 13:40	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/12/18 16:09	04/12/18 16:09	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/16/18 12:08	04/16/18 12:08	ACG

MW138-041118 L984988-08 GW

Collected by: Jeff Dobbins
Collected date/time: 04/11/18 13:55
Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1097253	1	04/14/18 05:15	04/14/18 05:15	MCG
Wet Chemistry by Method 9056A	WG1097140	1	04/12/18 16:34	04/12/18 16:34	DR
Wet Chemistry by Method 9060A	WG1097605	10	04/13/18 13:51	04/13/18 13:51	EG
Metals (ICPMS) by Method 6020A	WG1097160	1	04/13/18 11:10	04/15/18 22:50	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097649	1	04/13/18 14:02	04/13/18 14:02	JAH
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 12:23	04/17/18 12:23	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/12/18 16:29	04/12/18 16:29	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097123	1	04/16/18 12:28	04/16/18 12:28	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	258000		2710	20000	1	04/13/2018 21:51	WG1097253

Sample Narrative:

L984988-01 WG1097253: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7430		51.9	1000	1	04/12/2018 21:13	WG1097077
Nitrate	3410		22.7	100	1	04/12/2018 21:13	WG1097077
Sulfate	39800		77.4	5000	1	04/12/2018 21:13	WG1097077

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3240	B	102	1000	1	04/13/2018 11:52	WG1097605

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	145		15.0	100	1	04/15/2018 22:41	WG1097160
Manganese	94.0		0.250	5.00	1	04/15/2018 22:41	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	40.9	B J	31.6	100	1	04/13/2018 12:34	WG1097649
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-122*		*04/13/2018 12:34*	WG1097649

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/17/2018 12:14	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 12:14	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 12:14	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.16	J	1.05	25.0	1	04/12/2018 14:09	WG1097123
Acrylonitrile	U	J0	0.873	5.00	1	04/12/2018 14:09	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 14:09	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 14:09	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 14:09	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 14:09	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 14:09	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 14:09	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 14:09	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 14:09	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 14:09	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 14:09	WG1097123
Carbon tetrachloride	U	J0	0.159	0.500	1	04/12/2018 14:09	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/12/2018 14:09	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 14:09	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 14:09	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 14:09	WG1097123
Chloromethane	U	J0	0.153	1.25	1	04/12/2018 14:09	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 14:09	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 14:09	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 14:09	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 14:09	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 14:09	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 14:09	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 14:09	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 14:09	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 14:09	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 14:09	WG1097123
1,2-Dichloroethane	U	J0	0.108	0.500	1	04/12/2018 14:09	WG1097123
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 14:09	WG1097123
cis-1,2-Dichloroethene	4.64		0.0933	0.500	1	04/12/2018 14:09	WG1097123
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 14:09	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 14:09	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 14:09	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 14:09	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 14:09	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 14:09	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 14:09	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 14:09	WG1097123
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/12/2018 14:09	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 14:09	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 14:09	WG1097123
2-Hexanone	U	J0	0.757	5.00	1	04/12/2018 14:09	WG1097123
n-Hexane	U	J0	0.305	5.00	1	04/12/2018 14:09	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 14:09	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 14:09	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 14:09	WG1097123
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/12/2018 14:09	WG1097123
Methylene Chloride	U		1.07	2.50	1	04/12/2018 14:09	WG1097123
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/12/2018 14:09	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 14:09	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 14:09	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 14:09	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 14:09	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 14:09	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 14:09	WG1097123
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 14:09	WG1097123
Tetrachloroethene	33.7		0.199	0.500	1	04/12/2018 14:09	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 14:09	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 14:09	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 14:09	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 14:09	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 14:09	WG1097123
Trichloroethene	6.13		0.153	0.500	1	04/12/2018 14:09	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 14:09	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 14:09	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 14:09	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 14:09	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 14:09	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/12/2018 14:09	WG1097123
Vinyl chloride	U		0.118	0.500	1	04/12/2018 14:09	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 14:09	WG1097123
(S) Toluene-d8	*94.8*			*80.0-120*		*04/12/2018 14:09*	WG1097123
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/12/2018 14:09*	WG1097123
(S) 4-Bromofluorobenzene	*114*			*80.0-120*		*04/12/2018 14:09*	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/12/2018 14:29	WG1097123
Acrylonitrile	U	J0	0.873	5.00	1	04/12/2018 14:29	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 14:29	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 14:29	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 14:29	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 14:29	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 14:29	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 14:29	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 14:29	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 14:29	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 14:29	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 14:29	WG1097123
Carbon tetrachloride	U	J0	0.159	0.500	1	04/12/2018 14:29	WG1097123
Chlorobenzene	U		0.140	0.500	1	04/12/2018 14:29	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 14:29	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 14:29	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 14:29	WG1097123
Chloromethane	U	J0	0.153	1.25	1	04/12/2018 14:29	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 14:29	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 14:29	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 14:29	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 14:29	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 14:29	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 14:29	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 14:29	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 14:29	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 14:29	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 14:29	WG1097123
1,2-Dichloroethane	U	J0	0.108	0.500	1	04/12/2018 14:29	WG1097123
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 14:29	WG1097123
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/12/2018 14:29	WG1097123
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 14:29	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 14:29	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 14:29	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 14:29	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 14:29	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 14:29	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 14:29	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 14:29	WG1097123
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/12/2018 14:29	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 14:29	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 14:29	WG1097123
2-Hexanone	U	J0	0.757	5.00	1	04/12/2018 14:29	WG1097123
n-Hexane	U	J0	0.305	5.00	1	04/12/2018 14:29	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 14:29	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 14:29	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 14:29	WG1097123
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/12/2018 14:29	WG1097123
Methylene Chloride	U		1.07	2.50	1	04/12/2018 14:29	WG1097123
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/12/2018 14:29	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 14:29	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 14:29	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 14:29	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 14:29	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 14:29	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 14:29	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 14:29	WG1097123
Tetrachloroethene	U		0.199	0.500	1	04/12/2018 14:29	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 14:29	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 14:29	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 14:29	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 14:29	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 14:29	WG1097123
Trichloroethene	U		0.153	0.500	1	04/12/2018 14:29	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 14:29	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 14:29	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 14:29	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 14:29	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 14:29	WG1097123
Vinyl acetate	U	J0	0.645	5.00	1	04/12/2018 14:29	WG1097123
Vinyl chloride	U		0.118	0.500	1	04/12/2018 14:29	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 14:29	WG1097123
(S) Toluene-d8	*96.4*			*80.0-120*		*04/12/2018 14:29*	WG1097123
(S) Dibromofluoromethane	*99.6*			*76.0-123*		*04/12/2018 14:29*	WG1097123
(S) 4-Bromofluorobenzene	*111*			*80.0-120*		*04/12/2018 14:29*	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/12/2018 14:49	WG1097123
Acrylonitrile	U	J0	0.873	5.00	1	04/12/2018 14:49	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 14:49	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 14:49	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 14:49	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 14:49	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 14:49	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 14:49	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 14:49	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 14:49	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 14:49	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 14:49	WG1097123
Carbon tetrachloride	U	J0	0.159	0.500	1	04/12/2018 14:49	WG1097123
Chlorobenzene	U		0.140	0.500	1	04/12/2018 14:49	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 14:49	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 14:49	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 14:49	WG1097123
Chloromethane	U	J0	0.153	1.25	1	04/12/2018 14:49	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 14:49	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 14:49	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 14:49	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 14:49	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 14:49	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 14:49	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 14:49	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 14:49	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 14:49	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 14:49	WG1097123
1,2-Dichloroethane	U	J0	0.108	0.500	1	04/12/2018 14:49	WG1097123
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 14:49	WG1097123
cis-1,2-Dichloroethene	0.272	J	0.0933	0.500	1	04/12/2018 14:49	WG1097123
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 14:49	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 14:49	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 14:49	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 14:49	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 14:49	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 14:49	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 14:49	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 14:49	WG1097123
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/12/2018 14:49	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 14:49	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 14:49	WG1097123
2-Hexanone	U	J0	0.757	5.00	1	04/12/2018 14:49	WG1097123
n-Hexane	U	J0	0.305	5.00	1	04/12/2018 14:49	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 14:49	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 14:49	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 14:49	WG1097123
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/12/2018 14:49	WG1097123
Methylene Chloride	U		1.07	2.50	1	04/12/2018 14:49	WG1097123
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/12/2018 14:49	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 14:49	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 14:49	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 14:49	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 14:49	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 14:49	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 14:49	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 14:49	WG1097123
Tetrachloroethene	U		0.199	0.500	1	04/12/2018 14:49	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 14:49	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 14:49	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 14:49	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 14:49	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 14:49	WG1097123
Trichloroethene	U		0.153	0.500	1	04/12/2018 14:49	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 14:49	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 14:49	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 14:49	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 14:49	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 14:49	WG1097123
Vinyl acetate	U	J0	0.645	5.00	1	04/12/2018 14:49	WG1097123
Vinyl chloride	5.81		0.118	0.500	1	04/12/2018 14:49	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 14:49	WG1097123
(S) Toluene-d8	*95.5*			*80.0-120*		*04/12/2018 14:49*	WG1097123
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/12/2018 14:49*	WG1097123
(S) 4-Bromofluorobenzene	*112*			*80.0-120*		*04/12/2018 14:49*	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/12/2018 15:09	WG1097123
Acrylonitrile	U	J0	0.873	5.00	1	04/12/2018 15:09	WG1097123
Benzene	0.880		0.0896	0.500	1	04/12/2018 15:09	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 15:09	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 15:09	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 15:09	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 15:09	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 15:09	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 15:09	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 15:09	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 15:09	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 15:09	WG1097123
Carbon tetrachloride	U	J0	0.159	0.500	1	04/12/2018 15:09	WG1097123
Chlorobenzene	U		0.140	0.500	1	04/12/2018 15:09	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 15:09	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 15:09	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 15:09	WG1097123
Chloromethane	U	J0	0.153	1.25	1	04/12/2018 15:09	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 15:09	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 15:09	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 15:09	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 15:09	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 15:09	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 15:09	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 15:09	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 15:09	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 15:09	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 15:09	WG1097123
1,2-Dichloroethane	U	J0	0.108	0.500	1	04/12/2018 15:09	WG1097123
1,1-Dichloroethene	7.83		0.188	0.500	1	04/12/2018 15:09	WG1097123
cis-1,2-Dichloroethene	3720		18.7	100	200	04/16/2018 11:29	WG1097123
trans-1,2-Dichloroethene	21.3		0.152	0.500	1	04/12/2018 15:09	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 15:09	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 15:09	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 15:09	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 15:09	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 15:09	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 15:09	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 15:09	WG1097123
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/12/2018 15:09	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 15:09	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 15:09	WG1097123
2-Hexanone	U	J0	0.757	5.00	1	04/12/2018 15:09	WG1097123
n-Hexane	U	J0	0.305	5.00	1	04/12/2018 15:09	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 15:09	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 15:09	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 15:09	WG1097123
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/12/2018 15:09	WG1097123
Methylene Chloride	U		1.07	2.50	1	04/12/2018 15:09	WG1097123
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/12/2018 15:09	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 15:09	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 15:09	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 15:09	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 15:09	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 15:09	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 15:09	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 15:09	WG1097123
Tetrachloroethene	191		0.199	0.500	1	04/12/2018 15:09	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 15:09	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 15:09	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 15:09	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 15:09	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 15:09	WG1097123
Trichloroethene	1100		30.6	100	200	04/16/2018 11:29	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 15:09	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 15:09	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 15:09	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 15:09	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 15:09	WG1097123
Vinyl acetate	U	J0	0.645	5.00	1	04/12/2018 15:09	WG1097123
Vinyl chloride	34.9		0.118	0.500	1	04/12/2018 15:09	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 15:09	WG1097123
(S) Toluene-d8	*105*			*80.0-120*		*04/16/2018 11:29*	WG1097123
(S) Toluene-d8	*97.8*			*80.0-120*		*04/12/2018 15:09*	WG1097123
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/16/2018 11:29*	WG1097123
(S) Dibromofluoromethane	*99.1*			*76.0-123*		*04/12/2018 15:09*	WG1097123
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/16/2018 11:29*	WG1097123
(S) 4-Bromofluorobenzene	*112*			*80.0-120*		*04/12/2018 15:09*	WG1097123

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	257000		2710	20000	1	04/13/2018 21:57	WG1097253

Sample Narrative:

L984988-05 WG1097253: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	35700		51.9	1000	1	04/12/2018 21:25	WG1097077
Nitrate	U		22.7	100	1	04/12/2018 21:25	WG1097077
Sulfate	9480		77.4	5000	1	04/12/2018 21:25	WG1097077

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3270	B	102	1000	1	04/13/2018 12:04	WG1097605

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5700		15.0	100	1	04/16/2018 00:19	WG1097160
Manganese	799		0.250	5.00	1	04/16/2018 00:19	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/17/2018 13:44	WG1097649-1
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*77.0-122*		*04/17/2018 13:44*	WG1097649-1

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2700		0.287	0.678	1	04/17/2018 12:17	WG1099029
Ethane	4.41		0.296	1.29	1	04/17/2018 12:17	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 12:17	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.51	J	1.05	25.0	1	04/12/2018 15:29	WG1097123
Acrylonitrile	U	J0	0.873	5.00	1	04/12/2018 15:29	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 15:29	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 15:29	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 15:29	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 15:29	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 15:29	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 15:29	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 15:29	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 15:29	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 15:29	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 15:29	WG1097123
Carbon tetrachloride	U	J0	0.159	0.500	1	04/12/2018 15:29	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/12/2018 15:29	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 15:29	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 15:29	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 15:29	WG1097123
Chloromethane	U	J0	0.153	1.25	1	04/12/2018 15:29	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 15:29	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 15:29	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 15:29	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 15:29	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 15:29	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 15:29	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 15:29	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 15:29	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 15:29	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 15:29	WG1097123
1,2-Dichloroethane	U	J0	0.108	0.500	1	04/12/2018 15:29	WG1097123
1,1-Dichloroethene	0.225	J	0.188	0.500	1	04/12/2018 15:29	WG1097123
cis-1,2-Dichloroethene	1.67		0.0933	0.500	1	04/16/2018 11:49	WG1097123
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 15:29	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 15:29	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 15:29	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 15:29	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 15:29	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 15:29	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 15:29	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 15:29	WG1097123
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/12/2018 15:29	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 15:29	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 15:29	WG1097123
2-Hexanone	U	J0	0.757	5.00	1	04/12/2018 15:29	WG1097123
n-Hexane	U	J0	0.305	5.00	1	04/12/2018 15:29	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 15:29	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 15:29	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 15:29	WG1097123
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/12/2018 15:29	WG1097123
Methylene Chloride	U		1.07	2.50	1	04/12/2018 15:29	WG1097123
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/12/2018 15:29	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 15:29	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 15:29	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 15:29	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 15:29	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 15:29	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 15:29	WG1097123
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 15:29	WG1097123
Tetrachloroethene	U		0.199	0.500	1	04/12/2018 15:29	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 15:29	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 15:29	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 15:29	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 15:29	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 15:29	WG1097123
Trichloroethene	U		0.153	0.500	1	04/16/2018 11:49	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 15:29	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 15:29	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 15:29	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 15:29	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 15:29	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/12/2018 15:29	WG1097123
Vinyl chloride	0.205	J	0.118	0.500	1	04/12/2018 15:29	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 15:29	WG1097123
(S) Toluene-d8	*95.1*			*80.0-120*		*04/12/2018 15:29*	WG1097123
(S) Toluene-d8	*103*			*80.0-120*		*04/16/2018 11:49*	WG1097123
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/16/2018 11:49*	WG1097123
(S) Dibromofluoromethane	*99.5*			*76.0-123*		*04/12/2018 15:29*	WG1097123
(S) 4-Bromofluorobenzene	*113*			*80.0-120*		*04/12/2018 15:29*	WG1097123
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/16/2018 11:49*	WG1097123

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	262000		2710	20000	1	04/13/2018 22:03	WG1097253

Sample Narrative:

L984988-06 WG1097253: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7420		51.9	1000	1	04/12/2018 21:38	WG1097077
Nitrate	3170		22.7	100	1	04/12/2018 21:38	WG1097077
Sulfate	39800		77.4	5000	1	04/12/2018 21:38	WG1097077

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3140	B	102	1000	1	04/13/2018 13:10	WG1097605

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	96.2	J	15.0	100	1	04/15/2018 22:22	WG1097160
Manganese	54.4		0.250	5.00	1	04/15/2018 22:22	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	41.5	B J	31.6	100	1	04/13/2018 13:18	WG1097649
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*77.0-122*		*04/13/2018 13:18*	WG1097649

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/17/2018 12:19	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 12:19	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 12:19	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.25	J	1.05	25.0	1	04/12/2018 15:49	WG1097123
Acrylonitrile	U	J0	0.873	5.00	1	04/12/2018 15:49	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 15:49	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 15:49	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 15:49	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 15:49	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 15:49	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 15:49	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 15:49	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 15:49	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 15:49	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 15:49	WG1097123
Carbon tetrachloride	U	J0	0.159	0.500	1	04/12/2018 15:49	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/12/2018 15:49	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 15:49	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 15:49	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 15:49	WG1097123
Chloromethane	U	J0	0.153	1.25	1	04/12/2018 15:49	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 15:49	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 15:49	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 15:49	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 15:49	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 15:49	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 15:49	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 15:49	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 15:49	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 15:49	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 15:49	WG1097123
1,2-Dichloroethane	U	J0	0.108	0.500	1	04/12/2018 15:49	WG1097123
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 15:49	WG1097123
cis-1,2-Dichloroethene	6.28		0.0933	0.500	1	04/12/2018 15:49	WG1097123
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 15:49	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 15:49	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 15:49	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 15:49	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 15:49	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 15:49	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 15:49	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 15:49	WG1097123
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/12/2018 15:49	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 15:49	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 15:49	WG1097123
2-Hexanone	U	J0	0.757	5.00	1	04/12/2018 15:49	WG1097123
n-Hexane	U	J0	0.305	5.00	1	04/12/2018 15:49	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 15:49	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 15:49	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 15:49	WG1097123
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/12/2018 15:49	WG1097123
Methylene Chloride	U		1.07	2.50	1	04/12/2018 15:49	WG1097123
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/12/2018 15:49	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 15:49	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 15:49	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 15:49	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 15:49	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 15:49	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 15:49	WG1097123
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 15:49	WG1097123
Tetrachloroethene	46.8		0.199	0.500	1	04/12/2018 15:49	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 15:49	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 15:49	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 15:49	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 15:49	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 15:49	WG1097123
Trichloroethene	8.41		0.153	0.500	1	04/12/2018 15:49	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 15:49	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 15:49	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 15:49	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 15:49	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 15:49	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/12/2018 15:49	WG1097123
Vinyl chloride	U		0.118	0.500	1	04/12/2018 15:49	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 15:49	WG1097123
(S) Toluene-d8	*95.1*			*80.0-120*		*04/12/2018 15:49*	WG1097123
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/12/2018 15:49*	WG1097123
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/12/2018 15:49*	WG1097123

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/13/2018 13:40	WG1097649
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-122*		*04/13/2018 13:40*	WG1097649

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/12/2018 16:09	WG1097123
Acrylonitrile	U	J0	0.873	5.00	1	04/12/2018 16:09	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 16:09	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 16:09	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 16:09	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 16:09	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 16:09	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 16:09	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 16:09	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 16:09	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 16:09	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 16:09	WG1097123
Carbon tetrachloride	U	J0	0.159	0.500	1	04/12/2018 16:09	WG1097123
Chlorobenzene	U		0.140	0.500	1	04/12/2018 16:09	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 16:09	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 16:09	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 16:09	WG1097123
Chloromethane	U	J0	0.153	1.25	1	04/12/2018 16:09	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 16:09	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 16:09	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 16:09	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 16:09	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 16:09	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 16:09	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 16:09	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 16:09	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 16:09	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 16:09	WG1097123
1,2-Dichloroethane	U	J0	0.108	0.500	1	04/12/2018 16:09	WG1097123
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 16:09	WG1097123
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/16/2018 12:08	WG1097123
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 16:09	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 16:09	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 16:09	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 16:09	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 16:09	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 16:09	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 16:09	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 16:09	WG1097123
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/12/2018 16:09	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 16:09	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 16:09	WG1097123
2-Hexanone	U	J0	0.757	5.00	1	04/12/2018 16:09	WG1097123
n-Hexane	U	J0	0.305	5.00	1	04/12/2018 16:09	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 16:09	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 16:09	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 16:09	WG1097123
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/12/2018 16:09	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/12/2018 16:09	WG1097123
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/12/2018 16:09	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 16:09	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 16:09	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 16:09	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 16:09	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 16:09	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 16:09	WG1097123
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 16:09	WG1097123
Tetrachloroethene	0.621		0.199	0.500	1	04/12/2018 16:09	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 16:09	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 16:09	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 16:09	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 16:09	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 16:09	WG1097123
Trichloroethene	U		0.153	0.500	1	04/16/2018 12:08	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 16:09	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 16:09	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 16:09	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 16:09	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 16:09	WG1097123
Vinyl acetate	U	J0	0.645	5.00	1	04/12/2018 16:09	WG1097123
Vinyl chloride	U		0.118	0.500	1	04/12/2018 16:09	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 16:09	WG1097123
(S) Toluene-d8	*94.0*			*80.0-120*		*04/12/2018 16:09*	WG1097123
(S) Toluene-d8	*102*			*80.0-120*		*04/16/2018 12:08*	WG1097123
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/16/2018 12:08*	WG1097123
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/12/2018 16:09*	WG1097123
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/12/2018 16:09*	WG1097123
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/16/2018 12:08*	WG1097123

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	143000		2710	20000	1	04/14/2018 05:15	WG1097253

Sample Narrative:

L984988-08 WG1097253: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	13800		51.9	1000	1	04/12/2018 16:34	WG1097140
Nitrate	U		22.7	100	1	04/12/2018 16:34	WG1097140
Sulfate	45900		77.4	5000	1	04/12/2018 16:34	WG1097140

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4890	B J	1020	10000	10	04/13/2018 13:51	WG1097605

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	21500		15.0	100	1	04/15/2018 22:50	WG1097160
Manganese	725		0.250	5.00	1	04/15/2018 22:50	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	91.1	B J	31.6	100	1	04/13/2018 14:02	WG1097649
(S) a,a,a-Trifluorotoluene(FID)	*99.5*			*77.0-122*		*04/13/2018 14:02*	WG1097649

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	83.1		0.287	0.678	1	04/17/2018 12:23	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 12:23	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 12:23	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/12/2018 16:29	WG1097123
Acrylonitrile	U	J0	0.873	5.00	1	04/12/2018 16:29	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 16:29	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 16:29	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 16:29	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 16:29	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 16:29	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 16:29	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 16:29	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 16:29	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 16:29	WG1097123
Carbon disulfide	0.214	J	0.101	0.500	1	04/12/2018 16:29	WG1097123
Carbon tetrachloride	U	J0	0.159	0.500	1	04/12/2018 16:29	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/12/2018 16:29	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 16:29	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 16:29	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 16:29	WG1097123
Chloromethane	U	J0	0.153	1.25	1	04/12/2018 16:29	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 16:29	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 16:29	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 16:29	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 16:29	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 16:29	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 16:29	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 16:29	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 16:29	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 16:29	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 16:29	WG1097123
1,2-Dichloroethane	U	J0	0.108	0.500	1	04/12/2018 16:29	WG1097123
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 16:29	WG1097123
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/16/2018 12:28	WG1097123
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 16:29	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 16:29	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 16:29	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 16:29	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 16:29	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 16:29	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 16:29	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 16:29	WG1097123
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/12/2018 16:29	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 16:29	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 16:29	WG1097123
2-Hexanone	U	J0	0.757	5.00	1	04/12/2018 16:29	WG1097123
n-Hexane	U	J0	0.305	5.00	1	04/12/2018 16:29	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 16:29	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 16:29	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 16:29	WG1097123
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/12/2018 16:29	WG1097123
Methylene Chloride	U		1.07	2.50	1	04/12/2018 16:29	WG1097123
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/12/2018 16:29	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 16:29	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 16:29	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 16:29	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 16:29	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 16:29	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 16:29	WG1097123
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 16:29	WG1097123
Tetrachloroethene	U		0.199	0.500	1	04/12/2018 16:29	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 16:29	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 16:29	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 16:29	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 16:29	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 16:29	WG1097123
Trichloroethene	U		0.153	0.500	1	04/16/2018 12:28	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 16:29	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 16:29	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 16:29	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 16:29	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 16:29	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/12/2018 16:29	WG1097123
Vinyl chloride	U		0.118	0.500	1	04/12/2018 16:29	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 16:29	WG1097123
(S) Toluene-d8	*94.2*			*80.0-120*		*04/12/2018 16:29*	WG1097123
(S) Toluene-d8	*102*			*80.0-120*		*04/16/2018 12:28*	WG1097123
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/12/2018 16:29*	WG1097123
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/16/2018 12:28*	WG1097123
(S) 4-Bromofluorobenzene	*99.6*			*80.0-120*		*04/16/2018 12:28*	WG1097123
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*04/12/2018 16:29*	WG1097123

L985243-01 Original Sample (OS) • Duplicate (DUP)

(OS) L985243-01 04/13/18 16:09 • (DUP) R3301795-1 04/13/18 16:17

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	61300	64800	1	5.54		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

L984988-08 Original Sample (OS) • Duplicate (DUP)

(OS) L984988-08 04/14/18 05:15 • (DUP) R3301795-7 04/14/18 05:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	143000	143000	1	0.227		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301795-5 04/13/18 17:53 • (LCSD) R3301795-6 04/13/18 22:09

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Alkalinity	100000	106000	111000	106	111	85.0-115			4.66	20

Sample Narrative:

LCS: Endpoint pH 4.5

LCSD: Endpoint pH 4.5

Method Blank (MB)

(MB) R3301305-1 04/12/18 06:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L984949-01 Original Sample (OS) • Duplicate (DUP)

(OS) L984949-01 04/12/18 16:15 • (DUP) R3301305-4 04/12/18 16:28

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	93900	93600	1	0.340		15
Nitrate	ND	35.0	1	0.000		15
Sulfate	22000	21800	1	0.690		15

L984960-02 Original Sample (OS) • Duplicate (DUP)

(OS) L984960-02 04/12/18 18:56 • (DUP) R3301305-7 04/12/18 19:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	45200	45300	1	0.401		15
Nitrate	1560	1610	1	3.20		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301305-2 04/12/18 07:03 • (LCSD) R3301305-3 04/12/18 07:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40000	39600	39600	99.1	98.9	80.0-120			0.180	15
Nitrate	8000	8110	8110	101	101	80.0-120			0.0395	15
Sulfate	40000	39400	39400	98.6	98.4	80.0-120			0.122	15

L984949-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984949-01 04/12/18 16:15 • (MS) R3301305-5 04/12/18 16:40 • (MSD) R3301305-6 04/12/18 16:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	93900	141000	140000	94.0	93.0	1	80.0-120	E	E	0.333	15
Nitrate	5000	ND	4820	4790	95.7	95.1	1	80.0-120			0.674	15

L984949-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984949-01 04/12/18 16:15 • (MS) R3301305-5 04/12/18 16:40 • (MSD) R3301305-6 04/12/18 16:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	22000	63000	62700	82.0	81.5	1	80.0-120			0.444	15

L984960-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L984960-02 04/12/18 18:56 • (MS) R3301305-8 04/12/18 19:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	45200	94900	99.4	1	80.0-120	
Nitrate	5000	1560	6630	102	1	80.0-120	

Method Blank (MB)

(MB) R3301459-1 04/12/18 10:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	173	J	51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L984993-01 Original Sample (OS) • Duplicate (DUP)

(OS) L984993-01 04/12/18 16:49 • (DUP) R3301459-4 04/12/18 17:04

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	2940	2880	1	2.11		15
Nitrate	ND	0.000	1	0.000		15
Sulfate	26900	27300	1	1.33		15

L985143-01 Original Sample (OS) • Duplicate (DUP)

(OS) L985143-01 04/12/18 21:11 • (DUP) R3301459-7 04/12/18 21:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	9350	9360	1	0.102		15
Nitrate	U	0.000	1	0.000		15
Sulfate	49900	49900	1	0.0948		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301459-2 04/12/18 10:32 • (LCSD) R3301459-3 04/12/18 10:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40000	39000	38900	97.6	97.3	80.0-120			0.259	15
Nitrate	8000	8010	8030	100	100	80.0-120			0.228	15
Sulfate	40000	38700	38800	96.8	96.9	80.0-120			0.114	15

L984993-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984993-01 04/12/18 16:49 • (MS) R3301459-5 04/12/18 17:20 • (MSD) R3301459-6 04/12/18 17:35

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	2940	52900	53500	99.9	101	1	80.0-120			1.15	15
Nitrate	5000	ND	4740	4900	94.8	98.0	1	80.0-120			3.26	15
Sulfate	50000	26900	76400	76800	98.9	99.7	1	80.0-120			0.518	15

L985143-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L985143-01 04/12/18 21:11 • (MS) R3301459-8 04/12/18 22:13 • (MSD) R3301459-9 04/12/18 22:28

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	9350	59200	59300	99.8	99.8	1	80.0-120			0.0294	15
Nitrate	5000	U	4700	4740	94.0	94.8	1	80.0-120			0.909	15
Sulfate	50000	49900	97800	97700	95.8	95.6	1	80.0-120			0.0727	15

Method Blank (MB)

(MB) R3301810-1 04/13/18 07:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	523	J	102	1000

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301810-2 04/13/18 08:30 • (LCSD) R3301810-3 04/13/18 12:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TOC	75000	80300	79700	107	106	85.0-115			0.712	20

Method Blank (MB)

(MB) R3302051-1 04/15/18 22:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302051-2 04/15/18 22:12 • (LCSD) R3302051-3 04/15/18 22:17

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	5000	5040	5000	101	100	80.0-120			0.793	20
Manganese	50.0	50.4	49.4	101	98.8	80.0-120			2.02	20

L984988-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984988-06 04/15/18 22:22 • (MS) R3302051-5 04/15/18 22:31 • (MSD) R3302051-6 04/15/18 22:36

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	96.2	4920	5040	96.6	98.9	1	75.0-125			2.31	20
Manganese	50.0	54.4	98.1	106	87.4	104	1	75.0-125			8.18	20

Method Blank (MB)

(MB) R3302191-3 04/13/18 11:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	38.8	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302191-1 04/13/18 09:15 • (LCSD) R3302191-2 04/13/18 10:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	5560	5860	101	107	72.0-134			5.21	20
(S) a,a,a-Trifluorotoluene(FID)				*109*	*107*	*77.0-122*				

Method Blank (MB)

(MB) R3302813-5 04/17/18 11:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302813-3 04/17/18 10:31 • (LCSD) R3302813-4 04/17/18 10:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	5690	5660	103	103	72.0-134			0.439	20
(S) a,a,a-Trifluorotoluene(FID)				*102*	*102*	*77.0-122*				

Method Blank (MB)

(MB) R3302413-1 04/17/18 10:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L984988-06 Original Sample (OS) • Duplicate (DUP)

(OS) L984988-06 04/17/18 12:19 • (DUP) R3302413-2 04/17/18 13:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	U	0.000	1	0.000		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

L985009-05 Original Sample (OS) • Duplicate (DUP)

(OS) L985009-05 04/17/18 13:53 • (DUP) R3302413-3 04/17/18 14:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302413-4 04/17/18 14:24 • (LCSD) R3302413-5 04/17/18 14:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	75.9	75.8	112	112	85.0-115			0.156	20
Ethane	129	122	119	94.3	91.9	85.0-115			2.61	20
Ethene	127	125	122	98.6	96.3	85.0-115			2.38	20

Method Blank (MB)

(MB) R3302018-2 04/12/18 12:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3302018-2 04/12/18 12:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	0.265	J	0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*95.1*			*80.0-120*
(S) Dibromofluoromethane	*101*			*76.0-123*
(S) 4-Bromofluorobenzene	*115*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3302018-1 04/12/18 11:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	112	89.6	10.0-160	
Acrylonitrile	125	80.2	64.2	60.0-142	
Benzene	25.0	25.0	100	69.0-123	
Bromobenzene	25.0	27.1	108	79.0-120	
Bromodichloromethane	25.0	22.9	91.4	76.0-120	
Bromochloromethane	25.0	24.7	99.0	76.0-122	
Bromoform	25.0	30.1	121	67.0-132	
Bromomethane	25.0	22.3	89.1	18.0-160	
n-Butylbenzene	25.0	25.3	101	72.0-126	
sec-Butylbenzene	25.0	25.4	102	74.0-121	
tert-Butylbenzene	25.0	24.7	98.8	75.0-122	
Carbon disulfide	25.0	25.3	101	55.0-127	
Carbon tetrachloride	25.0	20.8	83.3	63.0-122	
Chlorobenzene	25.0	24.0	95.9	79.0-121	
Chlorodibromomethane	25.0	24.2	96.9	75.0-125	
Chloroethane	25.0	24.6	98.3	47.0-152	
Chloroform	25.0	24.7	98.7	72.0-121	
Chloromethane	25.0	16.5	65.8	48.0-139	
2-Chlorotoluene	25.0	27.2	109	74.0-122	
4-Chlorotoluene	25.0	26.8	107	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	21.0	84.1	64.0-127	
1,2-Dibromoethane	25.0	24.6	98.3	77.0-123	
Dibromomethane	25.0	25.0	100	78.0-120	
1,2-Dichlorobenzene	25.0	22.7	90.8	80.0-120	
1,3-Dichlorobenzene	25.0	24.2	96.6	72.0-123	
1,4-Dichlorobenzene	25.0	24.7	98.9	77.0-120	
Dichlorodifluoromethane	25.0	22.2	88.9	49.0-155	
1,1-Dichloroethane	25.0	20.7	82.9	70.0-126	
1,2-Dichloroethane	25.0	20.4	81.7	67.0-126	
1,1-Dichloroethene	25.0	25.4	102	64.0-129	
cis-1,2-Dichloroethene	25.0	24.1	96.2	73.0-120	
trans-1,2-Dichloroethene	25.0	23.6	94.5	71.0-121	
1,2-Dichloropropane	25.0	21.3	85.2	75.0-125	
1,1-Dichloropropene	25.0	24.8	99.1	71.0-129	
1,3-Dichloropropane	25.0	25.4	101	80.0-121	
cis-1,3-Dichloropropene	25.0	25.0	100	79.0-123	
trans-1,3-Dichloropropene	25.0	24.8	99.0	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	22.2	88.7	55.0-134	
2,2-Dichloropropane	25.0	23.1	92.5	60.0-125	
Di-isopropyl ether	25.0	16.1	64.5	59.0-133	

Laboratory Control Sample (LCS)

(LCS) R3302018-1 04/12/18 11:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	25.0	23.9	95.5	77.0-120	
Hexachloro-1,3-butadiene	25.0	22.1	88.3	64.0-131	
2-Hexanone	125	90.0	72.0	58.0-147	
n-Hexane	25.0	16.5	65.8	56.0-124	
Iodomethane	125	121	96.8	57.0-140	
Isopropylbenzene	25.0	30.4	122	75.0-120	J4
p-Isopropyltoluene	25.0	24.8	99.1	74.0-126	
2-Butanone (MEK)	125	86.2	69.0	37.0-158	
Methylene Chloride	25.0	24.1	96.4	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	82.5	66.0	59.0-143	
Methyl tert-butyl ether	25.0	23.8	95.3	64.0-123	
Naphthalene	25.0	21.1	84.3	62.0-128	
n-Propylbenzene	25.0	28.2	113	79.0-120	
Styrene	25.0	31.0	124	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	21.7	86.7	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	28.3	113	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	25.9	103	61.0-136	
Tetrachloroethene	25.0	22.5	90.1	70.0-127	
Toluene	25.0	23.4	93.5	77.0-120	
1,2,3-Trichlorobenzene	25.0	21.2	84.9	61.0-133	
1,2,4-Trichlorobenzene	25.0	22.1	88.6	69.0-129	
1,1,1-Trichloroethane	25.0	22.5	89.9	68.0-122	
1,1,2-Trichloroethane	25.0	25.9	103	78.0-120	
Trichloroethene	25.0	22.9	91.8	78.0-120	
Trichlorofluoromethane	25.0	25.2	101	56.0-137	
1,2,3-Trichloropropane	25.0	25.2	101	72.0-124	
1,2,4-Trimethylbenzene	25.0	25.0	100	75.0-120	
1,2,3-Trimethylbenzene	25.0	24.9	99.4	75.0-120	
1,3,5-Trimethylbenzene	25.0	26.6	106	75.0-120	
Vinyl acetate	125	96.3	77.1	46.0-160	
Vinyl chloride	25.0	23.1	92.4	64.0-133	
Xylenes, Total	75.0	68.7	91.6	77.0-120	
(S) Toluene-d8			*100*	*80.0-120*	
(S) Dibromofluoromethane			*98.3*	*76.0-123*	
(S) 4-Bromofluorobenzene			*118*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J4	The associated batch QC was outside the established quality control range for accuracy.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

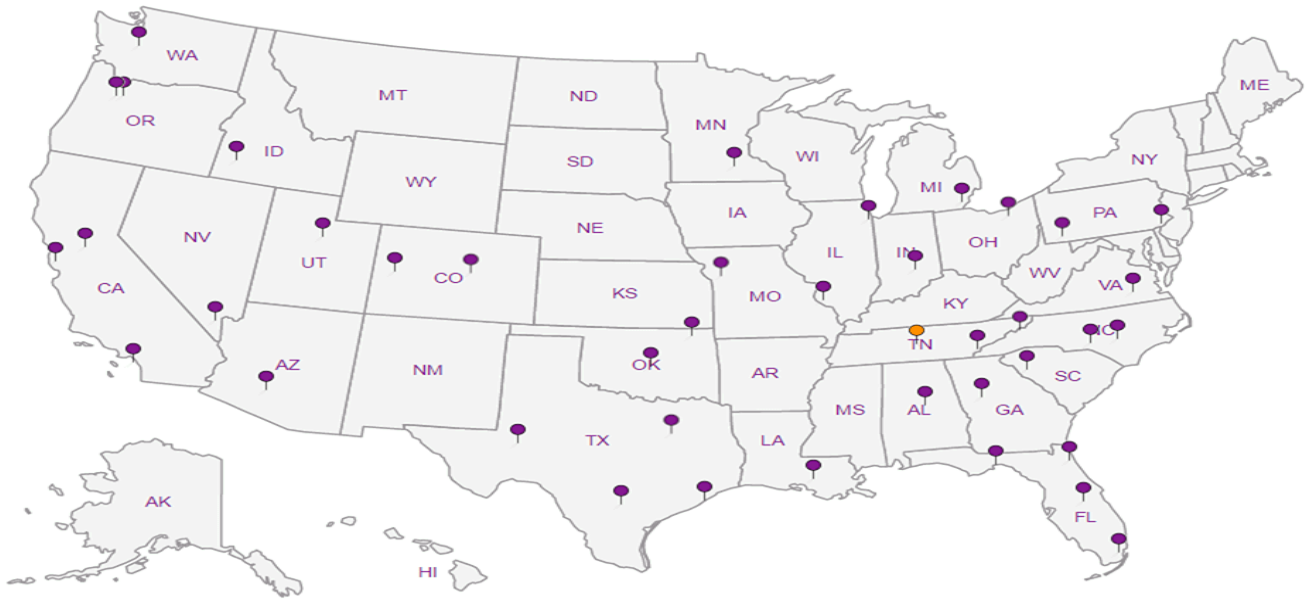
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



Chain of Custody Page 1 of 1

ESC LABS — a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
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L# L984988

C143

Acctnum: PESENVSWA
Template: T134175
Prelogin: P645197
TSR: 110 - Brian Ford
PB: 3-22-18 CS
Shipped Via: FedEx Ground

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen

City/State Collected: SEATTLE, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID # 1413.001.05.601

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day
Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
BB-S-041118	GRAB	GW		4/11/18	0945	10	X	X	X	X	X	X		-01
MW-116-041118		GW		4/11/18	1221	3						X		-02
MW-115-041118		GW		4/11/18	1151	3						X		-03
MW113-041118		GW		4/11/18	1218	3						X		-04
MW105-041118		GW		4/11/18	1035	11	X	X	X	X	X	X		-05
MW903-041118		GW		4/11/18	1051	11	X	X	X	X	X	X		-06
R-MW5-041118		GW		4/11/18	1347	6		X				X		-07
MW138-041118		GW		4/11/18	1355	11	X	X	X	X	X	X		-08
~~TRIP BLANK~~		GW												
		GW												

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks: *Nitrate has a 48 hour hold time*

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS X FedEx __ Courier __ ____

Tracking # 4276 0144 3736

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4°C Bottles Received: 59

Date: 4/12/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	258000		2710	20000	1	04/13/2018 21:51	WG1097253

Sample Narrative:

L984988-01 WG1097253: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7430		51.9	1000	1	04/12/2018 21:13	WG1097077
Nitrate	3410		22.7	100	1	04/12/2018 21:13	WG1097077
Sulfate	39800		77.4	5000	1	04/12/2018 21:13	WG1097077

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3240	B	102	1000	1	04/13/2018 11:52	WG1097605

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	145		15.0	100	1	04/15/2018 22:41	WG1097160
Manganese	94.0		0.250	5.00	1	04/15/2018 22:41	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	40.9 U	B J	31.6	100	1	04/13/2018 12:34	WG1097649
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-122*		*04/13/2018 12:34*	WG1097649

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/17/2018 12:14	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 12:14	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 12:14	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.16 J	J	1.05	25.0	1	04/12/2018 14:09	WG1097123
Acrylonitrile	U UJ	J0	0.873	5.00	1	04/12/2018 14:09	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 14:09	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 14:09	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 14:09	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 14:09	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 14:09	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 14:09	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 14:09	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 14:09	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 14:09	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 14:09	WG1097123
Carbon tetrachloride	U UJ	J0	0.159	0.500	1	04/12/2018 14:09	WG1097123

JC 5/9/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.140	0.500	1	04/12/2018 14:09	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 14:09	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 14:09	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 14:09	WG1097123
Chloromethane	U UJ	J0	0.153	1.25	1	04/12/2018 14:09	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 14:09	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 14:09	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 14:09	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 14:09	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 14:09	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 14:09	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 14:09	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 14:09	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 14:09	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 14:09	WG1097123
1,2-Dichloroethane	U UJ	J0	0.108	0.500	1	04/12/2018 14:09	WG1097123
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 14:09	WG1097123
cis-1,2-Dichloroethene	4.64 J		0.0933	0.500	1	04/12/2018 14:09	WG1097123
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 14:09	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 14:09	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 14:09	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 14:09	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 14:09	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 14:09	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 14:09	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 14:09	WG1097123
Di-isopropyl ether	U UJ	J0	0.0924	0.500	1	04/12/2018 14:09	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 14:09	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 14:09	WG1097123
2-Hexanone	U UJ	J0	0.757	5.00	1	04/12/2018 14:09	WG1097123
n-Hexane	U UJ	J0	0.305	5.00	1	04/12/2018 14:09	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 14:09	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 14:09	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 14:09	WG1097123
2-Butanone (MEK)	U UJ	J0	1.28	5.00	1	04/12/2018 14:09	WG1097123
Methylene Chloride	U		1.07	2.50	1	04/12/2018 14:09	WG1097123
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.823	5.00	1	04/12/2018 14:09	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 14:09	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 14:09	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 14:09	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 14:09	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 14:09	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 14:09	WG1097123
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 14:09	WG1097123
Tetrachloroethene	33.7 J		0.199	0.500	1	04/12/2018 14:09	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 14:09	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 14:09	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 14:09	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 14:09	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 14:09	WG1097123
Trichloroethene	6.13 J		0.153	0.500	1	04/12/2018 14:09	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 14:09	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 14:09	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 14:09	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 14:09	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 14:09	WG1097123

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/12/2018 14:09	WG1097123
Vinyl chloride	U			0.118	0.500	1	04/12/2018 14:09	WG1097123
Xylenes, Total	U			0.316	1.50	1	04/12/2018 14:09	WG1097123
(S) Toluene-d8	*94.8*				*80.0-120*		*04/12/2018 14:09*	WG1097123
(S) Dibromofluoromethane	*101*				*76.0-123*		*04/12/2018 14:09*	WG1097123
(S) 4-Bromofluorobenzene	*114*				*80.0-120*		*04/12/2018 14:09*	WG1097123

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		1.05	25.0	1	04/12/2018 14:29	WG1097123	
Acrylonitrile	U	UJ J0	0.873	5.00	1	04/12/2018 14:29	WG1097123	
Benzene	U		0.0896	0.500	1	04/12/2018 14:29	WG1097123	
Bromobenzene	U		0.133	0.500	1	04/12/2018 14:29	WG1097123	
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 14:29	WG1097123	
Bromochloromethane	U		0.145	0.500	1	04/12/2018 14:29	WG1097123	
Bromoform	U		0.186	0.500	1	04/12/2018 14:29	WG1097123	
Bromomethane	U		0.157	2.50	1	04/12/2018 14:29	WG1097123	
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 14:29	WG1097123	
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 14:29	WG1097123	
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 14:29	WG1097123	
Carbon disulfide	U		0.101	0.500	1	04/12/2018 14:29	WG1097123	
Carbon tetrachloride	U	UJ J0	0.159	0.500	1	04/12/2018 14:29	WG1097123	
Chlorobenzene	U		0.140	0.500	1	04/12/2018 14:29	WG1097123	
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 14:29	WG1097123	
Chloroethane	U		0.141	2.50	1	04/12/2018 14:29	WG1097123	
Chloroform	U		0.0860	0.500	1	04/12/2018 14:29	WG1097123	
Chloromethane	U	UJ J0	0.153	1.25	1	04/12/2018 14:29	WG1097123	
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 14:29	WG1097123	
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 14:29	WG1097123	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 14:29	WG1097123	
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 14:29	WG1097123	
Dibromomethane	U		0.117	0.500	1	04/12/2018 14:29	WG1097123	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 14:29	WG1097123	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 14:29	WG1097123	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 14:29	WG1097123	
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 14:29	WG1097123	
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 14:29	WG1097123	
1,2-Dichloroethane	U	UJ J0	0.108	0.500	1	04/12/2018 14:29	WG1097123	
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 14:29	WG1097123	
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/12/2018 14:29	WG1097123	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 14:29	WG1097123	
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 14:29	WG1097123	
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 14:29	WG1097123	
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 14:29	WG1097123	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 14:29	WG1097123	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 14:29	WG1097123	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 14:29	WG1097123	
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 14:29	WG1097123	
Di-isopropyl ether	U	UJ J0	0.0924	0.500	1	04/12/2018 14:29	WG1097123	
Ethylbenzene	U		0.158	0.500	1	04/12/2018 14:29	WG1097123	JC 5/9/18
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 14:29	WG1097123	
2-Hexanone	U	UJ J0	0.757	5.00	1	04/12/2018 14:29	WG1097123	
n-Hexane	U	UJ J0	0.305	5.00	1	04/12/2018 14:29	WG1097123	
Iodomethane	U		0.377	10.0	1	04/12/2018 14:29	WG1097123	
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 14:29	WG1097123	
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 14:29	WG1097123	
2-Butanone (MEK)	U	UJ J0	1.28	5.00	1	04/12/2018 14:29	WG1097123	
Methylene Chloride	U		1.07	2.50	1	04/12/2018 14:29	WG1097123	
4-Methyl-2-pentanone (MIBK)	U	UJ J0	0.823	5.00	1	04/12/2018 14:29	WG1097123	
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 14:29	WG1097123	
Naphthalene	U		0.174	2.50	1	04/12/2018 14:29	WG1097123	
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 14:29	WG1097123	
Styrene	U		0.117	0.500	1	04/12/2018 14:29	WG1097123	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 14:29	WG1097123	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 14:29	WG1097123	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 14:29	WG1097123
Tetrachloroethene	U		0.199	0.500	1	04/12/2018 14:29	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 14:29	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 14:29	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 14:29	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 14:29	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 14:29	WG1097123
Trichloroethene	U		0.153	0.500	1	04/12/2018 14:29	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 14:29	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 14:29	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 14:29	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 14:29	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 14:29	WG1097123
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/12/2018 14:29	WG1097123
Vinyl chloride	U		0.118	0.500	1	04/12/2018 14:29	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 14:29	WG1097123
(S) Toluene-d8	*96.4*			*80.0-120*		*04/12/2018 14:29*	WG1097123
(S) Dibromofluoromethane	*99.6*			*76.0-123*		*04/12/2018 14:29*	WG1097123
(S) 4-Bromofluorobenzene	*111*			*80.0-120*		*04/12/2018 14:29*	WG1097123

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/12/2018 14:49	WG1097123
Acrylonitrile	U	UJ J0	0.873	5.00	1	04/12/2018 14:49	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 14:49	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 14:49	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 14:49	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 14:49	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 14:49	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 14:49	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 14:49	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 14:49	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 14:49	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 14:49	WG1097123
Carbon tetrachloride	U	UJ J0	0.159	0.500	1	04/12/2018 14:49	WG1097123
Chlorobenzene	U		0.140	0.500	1	04/12/2018 14:49	WG1097123
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 14:49	WG1097123
Chloroethane	U		0.141	2.50	1	04/12/2018 14:49	WG1097123
Chloroform	U		0.0860	0.500	1	04/12/2018 14:49	WG1097123
Chloromethane	U	UJ J0	0.153	1.25	1	04/12/2018 14:49	WG1097123
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 14:49	WG1097123
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 14:49	WG1097123
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 14:49	WG1097123
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 14:49	WG1097123
Dibromomethane	U		0.117	0.500	1	04/12/2018 14:49	WG1097123
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 14:49	WG1097123
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 14:49	WG1097123
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 14:49	WG1097123
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 14:49	WG1097123
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 14:49	WG1097123
1,2-Dichloroethane	U	UJ J0	0.108	0.500	1	04/12/2018 14:49	WG1097123
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 14:49	WG1097123
cis-1,2-Dichloroethene	0.272	J J	0.0933	0.500	1	04/12/2018 14:49	WG1097123
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 14:49	WG1097123
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 14:49	WG1097123
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 14:49	WG1097123
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 14:49	WG1097123
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 14:49	WG1097123
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 14:49	WG1097123
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 14:49	WG1097123
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 14:49	WG1097123
Di-isopropyl ether	U	UJ J0	0.0924	0.500	1	04/12/2018 14:49	WG1097123
Ethylbenzene	U		0.158	0.500	1	04/12/2018 14:49	WG1097123
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 14:49	WG1097123
2-Hexanone	U	UJ J0	0.757	5.00	1	04/12/2018 14:49	WG1097123
n-Hexane	U	UJ J0	0.305	5.00	1	04/12/2018 14:49	WG1097123
Iodomethane	U		0.377	10.0	1	04/12/2018 14:49	WG1097123
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 14:49	WG1097123
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 14:49	WG1097123
2-Butanone (MEK)	U	UJ J0	1.28	5.00	1	04/12/2018 14:49	WG1097123
Methylene Chloride	U		1.07	2.50	1	04/12/2018 14:49	WG1097123
4-Methyl-2-pentanone (MIBK)	U	UJ J0	0.823	5.00	1	04/12/2018 14:49	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 14:49	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 14:49	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 14:49	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 14:49	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 14:49	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 14:49	WG1097123

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 14:49	WG1097123
Tetrachloroethene	U		0.199	0.500	1	04/12/2018 14:49	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 14:49	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 14:49	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 14:49	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 14:49	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 14:49	WG1097123
Trichloroethene	U		0.153	0.500	1	04/12/2018 14:49	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 14:49	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 14:49	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 14:49	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 14:49	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 14:49	WG1097123
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/12/2018 14:49	WG1097123
Vinyl chloride	5.81		0.118	0.500	1	04/12/2018 14:49	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 14:49	WG1097123
(S) Toluene-d8	*95.5*			*80.0-120*		*04/12/2018 14:49*	WG1097123
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/12/2018 14:49*	WG1097123
(S) 4-Bromofluorobenzene	*112*			*80.0-120*		*04/12/2018 14:49*	WG1097123

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		1.05	25.0	1	04/12/2018 15:09	WG1097123	
Acrylonitrile	U	UJ J0	0.873	5.00	1	04/12/2018 15:09	WG1097123	
Benzene	0.880		0.0896	0.500	1	04/12/2018 15:09	WG1097123	
Bromobenzene	U		0.133	0.500	1	04/12/2018 15:09	WG1097123	
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 15:09	WG1097123	
Bromochloromethane	U		0.145	0.500	1	04/12/2018 15:09	WG1097123	
Bromoform	U		0.186	0.500	1	04/12/2018 15:09	WG1097123	
Bromomethane	U		0.157	2.50	1	04/12/2018 15:09	WG1097123	
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 15:09	WG1097123	
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 15:09	WG1097123	
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 15:09	WG1097123	
Carbon disulfide	U		0.101	0.500	1	04/12/2018 15:09	WG1097123	
Carbon tetrachloride	U	UJ J0	0.159	0.500	1	04/12/2018 15:09	WG1097123	
Chlorobenzene	U		0.140	0.500	1	04/12/2018 15:09	WG1097123	
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 15:09	WG1097123	
Chloroethane	U		0.141	2.50	1	04/12/2018 15:09	WG1097123	
Chloroform	U		0.0860	0.500	1	04/12/2018 15:09	WG1097123	
Chloromethane	U	UJ J0	0.153	1.25	1	04/12/2018 15:09	WG1097123	
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 15:09	WG1097123	
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 15:09	WG1097123	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 15:09	WG1097123	
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 15:09	WG1097123	
Dibromomethane	U		0.117	0.500	1	04/12/2018 15:09	WG1097123	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 15:09	WG1097123	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 15:09	WG1097123	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 15:09	WG1097123	
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 15:09	WG1097123	
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 15:09	WG1097123	
1,2-Dichloroethane	U	UJ J0	0.108	0.500	1	04/12/2018 15:09	WG1097123	
1,1-Dichloroethene	7.83		0.188	0.500	1	04/12/2018 15:09	WG1097123	
cis-1,2-Dichloroethene	3720		18.7	100	200	04/16/2018 11:29	WG1097123	
trans-1,2-Dichloroethene	21.3		0.152	0.500	1	04/12/2018 15:09	WG1097123	
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 15:09	WG1097123	
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 15:09	WG1097123	
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 15:09	WG1097123	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 15:09	WG1097123	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 15:09	WG1097123	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 15:09	WG1097123	
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 15:09	WG1097123	
Di-isopropyl ether	U	UJ J0	0.0924	0.500	1	04/12/2018 15:09	WG1097123	
Ethylbenzene	U		0.158	0.500	1	04/12/2018 15:09	WG1097123	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 15:09	WG1097123	
2-Hexanone	U	UJ J0	0.757	5.00	1	04/12/2018 15:09	WG1097123	
n-Hexane	U	UJ J0	0.305	5.00	1	04/12/2018 15:09	WG1097123	
Iodomethane	U		0.377	10.0	1	04/12/2018 15:09	WG1097123	
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 15:09	WG1097123	
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 15:09	WG1097123	JC 5/9/18
2-Butanone (MEK)	U	UJ J0	1.28	5.00	1	04/12/2018 15:09	WG1097123	
Methylene Chloride	U		1.07	2.50	1	04/12/2018 15:09	WG1097123	
4-Methyl-2-pentanone (MIBK)	U	UJ J0	0.823	5.00	1	04/12/2018 15:09	WG1097123	
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 15:09	WG1097123	
Naphthalene	U		0.174	2.50	1	04/12/2018 15:09	WG1097123	
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 15:09	WG1097123	
Styrene	U		0.117	0.500	1	04/12/2018 15:09	WG1097123	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 15:09	WG1097123	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 15:09	WG1097123	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 15:09	WG1097123
Tetrachloroethene	191		0.199	0.500	1	04/12/2018 15:09	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 15:09	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 15:09	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 15:09	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 15:09	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 15:09	WG1097123
Trichloroethene	1100		30.6	100	200	04/16/2018 11:29	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 15:09	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 15:09	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 15:09	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 15:09	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 15:09	WG1097123
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/12/2018 15:09	WG1097123
Vinyl chloride	34.9		0.118	0.500	1	04/12/2018 15:09	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 15:09	WG1097123
(S) Toluene-d8	*105*			*80.0-120*		*04/16/2018 11:29*	WG1097123
(S) Toluene-d8	*97.8*			*80.0-120*		*04/12/2018 15:09*	WG1097123
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/16/2018 11:29*	WG1097123
(S) Dibromofluoromethane	*99.1*			*76.0-123*		*04/12/2018 15:09*	WG1097123
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/16/2018 11:29*	WG1097123
(S) 4-Bromofluorobenzene	*112*			*80.0-120*		*04/12/2018 15:09*	WG1097123

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	257000		2710	20000	1	04/13/2018 21:57	WG1097253

Sample Narrative:
L984988-05 WG1097253: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	35700		51.9	1000	1	04/12/2018 21:25	WG1097077
Nitrate	U		22.7	100	1	04/12/2018 21:25	WG1097077
Sulfate	9480		77.4	5000	1	04/12/2018 21:25	WG1097077

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3270	B	102	1000	1	04/13/2018 12:04	WG1097605

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	5700		15.0	100	1	04/16/2018 00:19	WG1097160
Manganese	799		0.250	5.00	1	04/16/2018 00:19	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/17/2018 13:44	WG1097649-1
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*77.0-122*		*04/17/2018 13:44*	WG1097649-1

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2700		0.287	0.678	1	04/17/2018 12:17	WG1099029
Ethane	4.41		0.296	1.29	1	04/17/2018 12:17	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 12:17	WG1099029

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.51 J	J	1.05	25.0	1	04/12/2018 15:29	WG1097123
Acrylonitrile	U	J0	0.873	5.00	1	04/12/2018 15:29	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 15:29	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 15:29	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 15:29	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 15:29	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 15:29	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 15:29	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 15:29	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 15:29	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 15:29	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 15:29	WG1097123
Carbon tetrachloride	U UJ	J0	0.159	0.500	1	04/12/2018 15:29	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l			ug/l	ug/l		date / time		
Chlorobenzene	U			0.140	0.500	1	04/12/2018 15:29	WG1097123	
Chlorodibromomethane	U			0.128	0.500	1	04/12/2018 15:29	WG1097123	
Chloroethane	U			0.141	2.50	1	04/12/2018 15:29	WG1097123	
Chloroform	U			0.0860	0.500	1	04/12/2018 15:29	WG1097123	
Chloromethane	U	UJ	J0	0.153	1.25	1	04/12/2018 15:29	WG1097123	
2-Chlorotoluene	U			0.111	0.500	1	04/12/2018 15:29	WG1097123	
4-Chlorotoluene	U			0.0972	0.500	1	04/12/2018 15:29	WG1097123	
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/12/2018 15:29	WG1097123	
1,2-Dibromoethane	U			0.193	0.500	1	04/12/2018 15:29	WG1097123	
Dibromomethane	U			0.117	0.500	1	04/12/2018 15:29	WG1097123	
1,2-Dichlorobenzene	U			0.101	0.500	1	04/12/2018 15:29	WG1097123	
1,3-Dichlorobenzene	U			0.130	0.500	1	04/12/2018 15:29	WG1097123	
1,4-Dichlorobenzene	U			0.121	0.500	1	04/12/2018 15:29	WG1097123	
Dichlorodifluoromethane	U			0.127	2.50	1	04/12/2018 15:29	WG1097123	
1,1-Dichloroethane	U			0.114	0.500	1	04/12/2018 15:29	WG1097123	
1,2-Dichloroethane	U	UJ	J0	0.108	0.500	1	04/12/2018 15:29	WG1097123	
1,1-Dichloroethene	0.225	J	J	0.188	0.500	1	04/12/2018 15:29	WG1097123	
cis-1,2-Dichloroethene	1.67			0.0933	0.500	1	04/16/2018 11:49	WG1097123	
trans-1,2-Dichloroethene	U			0.152	0.500	1	04/12/2018 15:29	WG1097123	
1,2-Dichloropropane	U			0.190	0.500	1	04/12/2018 15:29	WG1097123	
1,1-Dichloropropene	U			0.128	0.500	1	04/12/2018 15:29	WG1097123	
1,3-Dichloropropane	U			0.147	1.00	1	04/12/2018 15:29	WG1097123	
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/12/2018 15:29	WG1097123	
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/12/2018 15:29	WG1097123	
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/12/2018 15:29	WG1097123	
2,2-Dichloropropane	U			0.0929	0.500	1	04/12/2018 15:29	WG1097123	
Di-isopropyl ether	U	UJ	J0	0.0924	0.500	1	04/12/2018 15:29	WG1097123	
Ethylbenzene	U			0.158	0.500	1	04/12/2018 15:29	WG1097123	
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/12/2018 15:29	WG1097123	
2-Hexanone	U	UJ	J0	0.757	5.00	1	04/12/2018 15:29	WG1097123	
n-Hexane	U	UJ	J0	0.305	5.00	1	04/12/2018 15:29	WG1097123	
Iodomethane	U			0.377	10.0	1	04/12/2018 15:29	WG1097123	JC 5/9/18
Isopropylbenzene	U		J4	0.126	0.500	1	04/12/2018 15:29	WG1097123	
p-Isopropyltoluene	U			0.138	0.500	1	04/12/2018 15:29	WG1097123	
2-Butanone (MEK)	U	UJ	J0	1.28	5.00	1	04/12/2018 15:29	WG1097123	
Methylene Chloride	U			1.07	2.50	1	04/12/2018 15:29	WG1097123	
4-Methyl-2-pentanone (MIBK)	U	UJ	J0	0.823	5.00	1	04/12/2018 15:29	WG1097123	
Methyl tert-butyl ether	U			0.102	0.500	1	04/12/2018 15:29	WG1097123	
Naphthalene	U			0.174	2.50	1	04/12/2018 15:29	WG1097123	
n-Propylbenzene	U			0.162	0.500	1	04/12/2018 15:29	WG1097123	
Styrene	U			0.117	0.500	1	04/12/2018 15:29	WG1097123	
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/12/2018 15:29	WG1097123	
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/12/2018 15:29	WG1097123	
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/12/2018 15:29	WG1097123	
Tetrachloroethene	U			0.199	0.500	1	04/12/2018 15:29	WG1097123	
Toluene	U			0.412	0.500	1	04/12/2018 15:29	WG1097123	
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/12/2018 15:29	WG1097123	
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/12/2018 15:29	WG1097123	
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/12/2018 15:29	WG1097123	
1,1,2-Trichloroethane	U			0.186	0.500	1	04/12/2018 15:29	WG1097123	
Trichloroethene	U			0.153	0.500	1	04/16/2018 11:49	WG1097123	
Trichlorofluoromethane	U			0.130	2.50	1	04/12/2018 15:29	WG1097123	
1,2,3-Trichloropropane	U			0.247	2.50	1	04/12/2018 15:29	WG1097123	
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/12/2018 15:29	WG1097123	
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/12/2018 15:29	WG1097123	
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/12/2018 15:29	WG1097123	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/12/2018 15:29	WG1097123
Vinyl chloride	0.205	J	J	0.118	0.500	1	04/12/2018 15:29	WG1097123
Xylenes, Total	U			0.316	1.50	1	04/12/2018 15:29	WG1097123
(S) Toluene-d8	*95.1*				*80.0-120*		*04/12/2018 15:29*	WG1097123
(S) Toluene-d8	*103*				*80.0-120*		*04/16/2018 11:49*	WG1097123
(S) Dibromofluoromethane	*101*				*76.0-123*		*04/16/2018 11:49*	WG1097123
(S) Dibromofluoromethane	*99.5*				*76.0-123*		*04/12/2018 15:29*	WG1097123
(S) 4-Bromofluorobenzene	*113*				*80.0-120*		*04/12/2018 15:29*	WG1097123
(S) 4-Bromofluorobenzene	*101*				*80.0-120*		*04/16/2018 11:49*	WG1097123

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	262000		2710	20000	1	04/13/2018 22:03	WG1097253

Sample Narrative:

L984988-06 WG1097253: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7420		51.9	1000	1	04/12/2018 21:38	WG1097077
Nitrate	3170		22.7	100	1	04/12/2018 21:38	WG1097077
Sulfate	39800		77.4	5000	1	04/12/2018 21:38	WG1097077

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3140	B	102	1000	1	04/13/2018 13:10	WG1097605

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	96.2	J	15.0	100	1	04/15/2018 22:22	WG1097160
Manganese	54.4		0.250	5.00	1	04/15/2018 22:22	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	41.5 U	B J	31.6	100	1	04/13/2018 13:18	WG1097649
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*77.0-122*		*04/13/2018 13:18*	WG1097649

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	04/17/2018 12:19	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 12:19	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 12:19	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.25 J	J	1.05	25.0	1	04/12/2018 15:49	WG1097123
Acrylonitrile	U UJ	J0	0.873	5.00	1	04/12/2018 15:49	WG1097123
Benzene	U		0.0896	0.500	1	04/12/2018 15:49	WG1097123
Bromobenzene	U		0.133	0.500	1	04/12/2018 15:49	WG1097123
Bromodichloromethane	U		0.0800	0.500	1	04/12/2018 15:49	WG1097123
Bromochloromethane	U		0.145	0.500	1	04/12/2018 15:49	WG1097123
Bromoform	U		0.186	0.500	1	04/12/2018 15:49	WG1097123
Bromomethane	U		0.157	2.50	1	04/12/2018 15:49	WG1097123
n-Butylbenzene	U		0.143	0.500	1	04/12/2018 15:49	WG1097123
sec-Butylbenzene	U		0.134	0.500	1	04/12/2018 15:49	WG1097123
tert-Butylbenzene	U		0.183	0.500	1	04/12/2018 15:49	WG1097123
Carbon disulfide	U		0.101	0.500	1	04/12/2018 15:49	WG1097123
Carbon tetrachloride	U UJ	J0	0.159	0.500	1	04/12/2018 15:49	WG1097123

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Chlorobenzene	U		0.140	0.500	1	04/12/2018 15:49	WG1097123	
Chlorodibromomethane	U		0.128	0.500	1	04/12/2018 15:49	WG1097123	
Chloroethane	U		0.141	2.50	1	04/12/2018 15:49	WG1097123	
Chloroform	U		0.0860	0.500	1	04/12/2018 15:49	WG1097123	
Chloromethane	U	UJ J0	0.153	1.25	1	04/12/2018 15:49	WG1097123	
2-Chlorotoluene	U		0.111	0.500	1	04/12/2018 15:49	WG1097123	
4-Chlorotoluene	U		0.0972	0.500	1	04/12/2018 15:49	WG1097123	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/12/2018 15:49	WG1097123	
1,2-Dibromoethane	U		0.193	0.500	1	04/12/2018 15:49	WG1097123	
Dibromomethane	U		0.117	0.500	1	04/12/2018 15:49	WG1097123	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/12/2018 15:49	WG1097123	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/12/2018 15:49	WG1097123	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/12/2018 15:49	WG1097123	
Dichlorodifluoromethane	U		0.127	2.50	1	04/12/2018 15:49	WG1097123	
1,1-Dichloroethane	U		0.114	0.500	1	04/12/2018 15:49	WG1097123	
1,2-Dichloroethane	U	UJ J0	0.108	0.500	1	04/12/2018 15:49	WG1097123	
1,1-Dichloroethene	U		0.188	0.500	1	04/12/2018 15:49	WG1097123	
cis-1,2-Dichloroethene	6.28 J		0.0933	0.500	1	04/12/2018 15:49	WG1097123	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/12/2018 15:49	WG1097123	
1,2-Dichloropropane	U		0.190	0.500	1	04/12/2018 15:49	WG1097123	
1,1-Dichloropropene	U		0.128	0.500	1	04/12/2018 15:49	WG1097123	
1,3-Dichloropropane	U		0.147	1.00	1	04/12/2018 15:49	WG1097123	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/12/2018 15:49	WG1097123	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/12/2018 15:49	WG1097123	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/12/2018 15:49	WG1097123	
2,2-Dichloropropane	U		0.0929	0.500	1	04/12/2018 15:49	WG1097123	JC 5/10/18
Di-isopropyl ether	U	UJ J0	0.0924	0.500	1	04/12/2018 15:49	WG1097123	
Ethylbenzene	U		0.158	0.500	1	04/12/2018 15:49	WG1097123	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/12/2018 15:49	WG1097123	
2-Hexanone	U	UJ J0	0.757	5.00	1	04/12/2018 15:49	WG1097123	
n-Hexane	U	UJ J0	0.305	5.00	1	04/12/2018 15:49	WG1097123	
Iodomethane	U		0.377	10.0	1	04/12/2018 15:49	WG1097123	
Isopropylbenzene	U	J4	0.126	0.500	1	04/12/2018 15:49	WG1097123	
p-Isopropyltoluene	U		0.138	0.500	1	04/12/2018 15:49	WG1097123	
2-Butanone (MEK)	U	UJ J0	1.28	5.00	1	04/12/2018 15:49	WG1097123	
Methylene Chloride	U		1.07	2.50	1	04/12/2018 15:49	WG1097123	
4-Methyl-2-pentanone (MIBK)	U	UJ J0	0.823	5.00	1	04/12/2018 15:49	WG1097123	
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 15:49	WG1097123	
Naphthalene	U		0.174	2.50	1	04/12/2018 15:49	WG1097123	
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 15:49	WG1097123	JC 5/9/18
Styrene	U		0.117	0.500	1	04/12/2018 15:49	WG1097123	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 15:49	WG1097123	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 15:49	WG1097123	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 15:49	WG1097123	
Tetrachloroethene	46.8 J		0.199	0.500	1	04/12/2018 15:49	WG1097123	
Toluene	U		0.412	0.500	1	04/12/2018 15:49	WG1097123	
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 15:49	WG1097123	
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 15:49	WG1097123	
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 15:49	WG1097123	
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 15:49	WG1097123	
Trichloroethene	8.41 J		0.153	0.500	1	04/12/2018 15:49	WG1097123	
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 15:49	WG1097123	
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 15:49	WG1097123	
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 15:49	WG1097123	
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 15:49	WG1097123	
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 15:49	WG1097123	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/12/2018 15:49	WG1097123
Vinyl chloride	U			0.118	0.500	1	04/12/2018 15:49	WG1097123
Xylenes, Total	U			0.316	1.50	1	04/12/2018 15:49	WG1097123
(S) Toluene-d8	*95.1*				*80.0-120*		*04/12/2018 15:49*	WG1097123
(S) Dibromofluoromethane	*103*				*76.0-123*		*04/12/2018 15:49*	WG1097123
(S) 4-Bromofluorobenzene	*110*				*80.0-120*		*04/12/2018 15:49*	WG1097123

JC 5/10/18

JC 5/9/18

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/13/2018 13:40	WG1097649
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-122*		*04/13/2018 13:40*	WG1097649

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier		MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	U			1.05	25.0	1	04/12/2018 16:09	WG1097123	
Acrylonitrile	U	UJ	J0	0.873	5.00	1	04/12/2018 16:09	WG1097123	
Benzene	U			0.0896	0.500	1	04/12/2018 16:09	WG1097123	
Bromobenzene	U			0.133	0.500	1	04/12/2018 16:09	WG1097123	
Bromodichloromethane	U			0.0800	0.500	1	04/12/2018 16:09	WG1097123	
Bromochloromethane	U			0.145	0.500	1	04/12/2018 16:09	WG1097123	
Bromoform	U			0.186	0.500	1	04/12/2018 16:09	WG1097123	
Bromomethane	U			0.157	2.50	1	04/12/2018 16:09	WG1097123	
n-Butylbenzene	U			0.143	0.500	1	04/12/2018 16:09	WG1097123	
sec-Butylbenzene	U			0.134	0.500	1	04/12/2018 16:09	WG1097123	
tert-Butylbenzene	U			0.183	0.500	1	04/12/2018 16:09	WG1097123	
Carbon disulfide	U			0.101	0.500	1	04/12/2018 16:09	WG1097123	
Carbon tetrachloride	U	UJ	J0	0.159	0.500	1	04/12/2018 16:09	WG1097123	
Chlorobenzene	U			0.140	0.500	1	04/12/2018 16:09	WG1097123	
Chlorodibromomethane	U			0.128	0.500	1	04/12/2018 16:09	WG1097123	
Chloroethane	U			0.141	2.50	1	04/12/2018 16:09	WG1097123	
Chloroform	U			0.0860	0.500	1	04/12/2018 16:09	WG1097123	
Chloromethane	U	UJ	J0	0.153	1.25	1	04/12/2018 16:09	WG1097123	
2-Chlorotoluene	U			0.111	0.500	1	04/12/2018 16:09	WG1097123	
4-Chlorotoluene	U			0.0972	0.500	1	04/12/2018 16:09	WG1097123	
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/12/2018 16:09	WG1097123	
1,2-Dibromoethane	U			0.193	0.500	1	04/12/2018 16:09	WG1097123	
Dibromomethane	U			0.117	0.500	1	04/12/2018 16:09	WG1097123	
1,2-Dichlorobenzene	U			0.101	0.500	1	04/12/2018 16:09	WG1097123	
1,3-Dichlorobenzene	U			0.130	0.500	1	04/12/2018 16:09	WG1097123	
1,4-Dichlorobenzene	U			0.121	0.500	1	04/12/2018 16:09	WG1097123	
Dichlorodifluoromethane	U			0.127	2.50	1	04/12/2018 16:09	WG1097123	
1,1-Dichloroethane	U			0.114	0.500	1	04/12/2018 16:09	WG1097123	
1,2-Dichloroethane	U	UJ	J0	0.108	0.500	1	04/12/2018 16:09	WG1097123	
1,1-Dichloroethene	U			0.188	0.500	1	04/12/2018 16:09	WG1097123	
cis-1,2-Dichloroethene	U			0.0933	0.500	1	04/16/2018 12:08	WG1097123	
trans-1,2-Dichloroethene	U			0.152	0.500	1	04/12/2018 16:09	WG1097123	
1,2-Dichloropropane	U			0.190	0.500	1	04/12/2018 16:09	WG1097123	
1,1-Dichloropropene	U			0.128	0.500	1	04/12/2018 16:09	WG1097123	
1,3-Dichloropropane	U			0.147	1.00	1	04/12/2018 16:09	WG1097123	
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/12/2018 16:09	WG1097123	
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/12/2018 16:09	WG1097123	
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/12/2018 16:09	WG1097123	
2,2-Dichloropropane	U			0.0929	0.500	1	04/12/2018 16:09	WG1097123	
Di-isopropyl ether	U	UJ	J0	0.0924	0.500	1	04/12/2018 16:09	WG1097123	JC 5/9/18
Ethylbenzene	U			0.158	0.500	1	04/12/2018 16:09	WG1097123	
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/12/2018 16:09	WG1097123	
2-Hexanone	U	UJ	J0	0.757	5.00	1	04/12/2018 16:09	WG1097123	
n-Hexane	U	UJ	J0	0.305	5.00	1	04/12/2018 16:09	WG1097123	
Iodomethane	U			0.377	10.0	1	04/12/2018 16:09	WG1097123	
Isopropylbenzene	U		J4	0.126	0.500	1	04/12/2018 16:09	WG1097123	
p-Isopropyltoluene	U			0.138	0.500	1	04/12/2018 16:09	WG1097123	
2-Butanone (MEK)	U	UJ	J0	1.28	5.00	1	04/12/2018 16:09	WG1097123	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		1.07	2.50	1	04/12/2018 16:09	WG1097123
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.823	5.00	1	04/12/2018 16:09	WG1097123
Methyl tert-butyl ether	U		0.102	0.500	1	04/12/2018 16:09	WG1097123
Naphthalene	U		0.174	2.50	1	04/12/2018 16:09	WG1097123
n-Propylbenzene	U		0.162	0.500	1	04/12/2018 16:09	WG1097123
Styrene	U		0.117	0.500	1	04/12/2018 16:09	WG1097123
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/12/2018 16:09	WG1097123
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/12/2018 16:09	WG1097123
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/12/2018 16:09	WG1097123
Tetrachloroethene	0.621		0.199	0.500	1	04/12/2018 16:09	WG1097123
Toluene	U		0.412	0.500	1	04/12/2018 16:09	WG1097123
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/12/2018 16:09	WG1097123
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/12/2018 16:09	WG1097123
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/12/2018 16:09	WG1097123
1,1,2-Trichloroethane	U		0.186	0.500	1	04/12/2018 16:09	WG1097123
Trichloroethene	U		0.153	0.500	1	04/16/2018 12:08	WG1097123
Trichlorofluoromethane	U		0.130	2.50	1	04/12/2018 16:09	WG1097123
1,2,3-Trichloropropane	U		0.247	2.50	1	04/12/2018 16:09	WG1097123
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/12/2018 16:09	WG1097123
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/12/2018 16:09	WG1097123
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/12/2018 16:09	WG1097123
Vinyl acetate	U UJ	J0	0.645	5.00	1	04/12/2018 16:09	WG1097123
Vinyl chloride	U		0.118	0.500	1	04/12/2018 16:09	WG1097123
Xylenes, Total	U		0.316	1.50	1	04/12/2018 16:09	WG1097123
(S) Toluene-d8	*94.0*			*80.0-120*		*04/12/2018 16:09*	WG1097123
(S) Toluene-d8	*102*			*80.0-120*		*04/16/2018 12:08*	WG1097123
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/16/2018 12:08*	WG1097123
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/12/2018 16:09*	WG1097123
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/12/2018 16:09*	WG1097123
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*04/16/2018 12:08*	WG1097123

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Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	143000		2710	20000	1	04/14/2018 05:15	WG1097253

Sample Narrative:

L984988-08 WG1097253: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	13800		51.9	1000	1	04/12/2018 16:34	WG1097140
Nitrate	U		22.7	100	1	04/12/2018 16:34	WG1097140
Sulfate	45900		77.4	5000	1	04/12/2018 16:34	WG1097140

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	4890	B J	1020	10000	10	04/13/2018 13:51	WG1097605

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	21500		15.0	100	1	04/15/2018 22:50	WG1097160
Manganese	725		0.250	5.00	1	04/15/2018 22:50	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	91.1	U	B J	31.6	100	1	04/13/2018 14:02	WG1097649
(S) a,a,a-Trifluorotoluene(FID)	*99.5*				*77.0-122*		*04/13/2018 14:02*	WG1097649

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	83.1		0.287	0.678	1	04/17/2018 12:23	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 12:23	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 12:23	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

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Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U			1.05	25.0	1	04/12/2018 16:29	WG1097123
Acrylonitrile	U	UJ	J0	0.873	5.00	1	04/12/2018 16:29	WG1097123
Benzene	U			0.0896	0.500	1	04/12/2018 16:29	WG1097123
Bromobenzene	U			0.133	0.500	1	04/12/2018 16:29	WG1097123
Bromodichloromethane	U			0.0800	0.500	1	04/12/2018 16:29	WG1097123
Bromochloromethane	U			0.145	0.500	1	04/12/2018 16:29	WG1097123
Bromoform	U			0.186	0.500	1	04/12/2018 16:29	WG1097123
Bromomethane	U			0.157	2.50	1	04/12/2018 16:29	WG1097123
n-Butylbenzene	U			0.143	0.500	1	04/12/2018 16:29	WG1097123
sec-Butylbenzene	U			0.134	0.500	1	04/12/2018 16:29	WG1097123
tert-Butylbenzene	U			0.183	0.500	1	04/12/2018 16:29	WG1097123
Carbon disulfide	0.214		J	0.101	0.500	1	04/12/2018 16:29	WG1097123
Carbon tetrachloride	U		J0	0.159	0.500	1	04/12/2018 16:29	WG1097123

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U			0.140	0.500	1	04/12/2018 16:29	WG1097123
Chlorodibromomethane	U			0.128	0.500	1	04/12/2018 16:29	WG1097123
Chloroethane	U			0.141	2.50	1	04/12/2018 16:29	WG1097123
Chloroform	U			0.0860	0.500	1	04/12/2018 16:29	WG1097123
Chloromethane	U	UJ	J0	0.153	1.25	1	04/12/2018 16:29	WG1097123
2-Chlorotoluene	U			0.111	0.500	1	04/12/2018 16:29	WG1097123
4-Chlorotoluene	U			0.0972	0.500	1	04/12/2018 16:29	WG1097123
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/12/2018 16:29	WG1097123
1,2-Dibromoethane	U			0.193	0.500	1	04/12/2018 16:29	WG1097123
Dibromomethane	U			0.117	0.500	1	04/12/2018 16:29	WG1097123
1,2-Dichlorobenzene	U			0.101	0.500	1	04/12/2018 16:29	WG1097123
1,3-Dichlorobenzene	U			0.130	0.500	1	04/12/2018 16:29	WG1097123
1,4-Dichlorobenzene	U			0.121	0.500	1	04/12/2018 16:29	WG1097123
Dichlorodifluoromethane	U			0.127	2.50	1	04/12/2018 16:29	WG1097123
1,1-Dichloroethane	U			0.114	0.500	1	04/12/2018 16:29	WG1097123
1,2-Dichloroethane	U	UJ	J0	0.108	0.500	1	04/12/2018 16:29	WG1097123
1,1-Dichloroethene	U			0.188	0.500	1	04/12/2018 16:29	WG1097123
cis-1,2-Dichloroethene	U			0.0933	0.500	1	04/16/2018 12:28	WG1097123
trans-1,2-Dichloroethene	U			0.152	0.500	1	04/12/2018 16:29	WG1097123
1,2-Dichloropropane	U			0.190	0.500	1	04/12/2018 16:29	WG1097123
1,1-Dichloropropene	U			0.128	0.500	1	04/12/2018 16:29	WG1097123
1,3-Dichloropropane	U			0.147	1.00	1	04/12/2018 16:29	WG1097123
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/12/2018 16:29	WG1097123
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/12/2018 16:29	WG1097123
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/12/2018 16:29	WG1097123
2,2-Dichloropropane	U			0.0929	0.500	1	04/12/2018 16:29	WG1097123
Di-isopropyl ether	U	UJ	J0	0.0924	0.500	1	04/12/2018 16:29	WG1097123
Ethylbenzene	U			0.158	0.500	1	04/12/2018 16:29	WG1097123
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/12/2018 16:29	WG1097123
2-Hexanone	U	UJ	J0	0.757	5.00	1	04/12/2018 16:29	WG1097123
n-Hexane	U	UJ	J0	0.305	5.00	1	04/12/2018 16:29	WG1097123
Iodomethane	U			0.377	10.0	1	04/12/2018 16:29	WG1097123
Isopropylbenzene	U		J4	0.126	0.500	1	04/12/2018 16:29	WG1097123
p-Isopropyltoluene	U			0.138	0.500	1	04/12/2018 16:29	WG1097123
2-Butanone (MEK)	U	UJ	J0	1.28	5.00	1	04/12/2018 16:29	WG1097123
Methylene Chloride	U			1.07	2.50	1	04/12/2018 16:29	WG1097123
4-Methyl-2-pentanone (MIBK)	U	UJ	J0	0.823	5.00	1	04/12/2018 16:29	WG1097123
Methyl tert-butyl ether	U			0.102	0.500	1	04/12/2018 16:29	WG1097123
Naphthalene	U			0.174	2.50	1	04/12/2018 16:29	WG1097123
n-Propylbenzene	U			0.162	0.500	1	04/12/2018 16:29	WG1097123
Styrene	U			0.117	0.500	1	04/12/2018 16:29	WG1097123
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/12/2018 16:29	WG1097123
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/12/2018 16:29	WG1097123
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/12/2018 16:29	WG1097123
Tetrachloroethene	U			0.199	0.500	1	04/12/2018 16:29	WG1097123
Toluene	U			0.412	0.500	1	04/12/2018 16:29	WG1097123
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/12/2018 16:29	WG1097123
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/12/2018 16:29	WG1097123
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/12/2018 16:29	WG1097123
1,1,2-Trichloroethane	U			0.186	0.500	1	04/12/2018 16:29	WG1097123
Trichloroethene	U			0.153	0.500	1	04/16/2018 12:28	WG1097123
Trichlorofluoromethane	U			0.130	2.50	1	04/12/2018 16:29	WG1097123
1,2,3-Trichloropropane	U			0.247	2.50	1	04/12/2018 16:29	WG1097123
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/12/2018 16:29	WG1097123
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/12/2018 16:29	WG1097123
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/12/2018 16:29	WG1097123

JC 5/9/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/12/2018 16:29	WG1097123
Vinyl chloride	U			0.118	0.500	1	04/12/2018 16:29	WG1097123
Xylenes, Total	U			0.316	1.50	1	04/12/2018 16:29	WG1097123
(S) Toluene-d8	*94.2*				*80.0-120*		*04/12/2018 16:29*	WG1097123
(S) Toluene-d8	*102*				*80.0-120*		*04/16/2018 12:28*	WG1097123
(S) Dibromofluoromethane	*102*				*76.0-123*		*04/12/2018 16:29*	WG1097123
(S) Dibromofluoromethane	*102*				*76.0-123*		*04/16/2018 12:28*	WG1097123
(S) 4-Bromofluorobenzene	*99.6*				*80.0-120*		*04/16/2018 12:28*	WG1097123
(S) 4-Bromofluorobenzene	*108*				*80.0-120*		*04/12/2018 16:29*	WG1097123

JC 5/9/18

JC 5/9/18

ANALYTICAL REPORT

April 23, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L985379
Samples Received:	04/13/2018
Project Number:	1413.001.05.601
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

MW-137-041218 L985379-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/12/18 15:20 | Received date/time: 04/13/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1097724	1	04/14/18 11:33	04/14/18 11:33	MCG
Wet Chemistry by Method 9056A	WG1098514	1	04/15/18 08:54	04/15/18 08:54	MAJ
Wet Chemistry by Method 9060A	WG1098241	1	04/14/18 13:53	04/14/18 13:53	SJM
Metals (ICPMS) by Method 6020A	WG1097160	1	04/13/18 11:10	04/15/18 23:40	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097878	1	04/14/18 00:40	04/14/18 00:40	LRL
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 14:09	04/17/18 14:09	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097806	1	04/13/18 19:46	04/13/18 19:46	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097806	1	04/16/18 13:07	04/16/18 13:07	ACG

MW-112-041218 L985379-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/12/18 10:46 | Received date/time: 04/13/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1097724	1	04/14/18 18:28	04/14/18 18:28	MCG
Wet Chemistry by Method 9056A	WG1098514	1	04/15/18 09:10	04/15/18 09:10	MAJ
Wet Chemistry by Method 9060A	WG1097606	1	04/13/18 21:14	04/13/18 21:14	EG
Metals (ICPMS) by Method 6020A	WG1097160	1	04/13/18 11:10	04/15/18 23:44	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097878	1	04/14/18 01:02	04/14/18 01:02	LRL
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 14:15	04/17/18 14:15	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097806	1	04/13/18 20:06	04/13/18 20:06	JAH

MW-140-041218 L985379-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/12/18 13:04 | Received date/time: 04/13/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1097724	1	04/14/18 11:46	04/14/18 11:46	MCG
Wet Chemistry by Method 9056A	WG1098514	1	04/15/18 09:27	04/15/18 09:27	MAJ
Wet Chemistry by Method 9060A	WG1098241	1	04/14/18 14:05	04/14/18 14:05	SJM
Metals (ICPMS) by Method 6020A	WG1097160	1	04/13/18 11:10	04/16/18 00:15	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097878	1	04/14/18 01:24	04/14/18 01:24	LRL
Volatile Organic Compounds (GC) by Method RSK175	WG1099029	1	04/17/18 14:18	04/17/18 14:18	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097806	1	04/13/18 20:26	04/13/18 20:26	JAH

MW-141-041218 L985379-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/12/18 09:18 | Received date/time: 04/13/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1097724	1	04/14/18 12:31	04/14/18 12:31	MCG
Wet Chemistry by Method 9056A	WG1098514	1	04/15/18 09:44	04/15/18 09:44	MAJ
Wet Chemistry by Method 9060A	WG1097606	1	04/13/18 21:51	04/13/18 21:51	EG
Metals (ICPMS) by Method 6020A	WG1097160	1	04/13/18 11:10	04/15/18 23:54	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097878	1	04/14/18 01:46	04/14/18 01:46	LRL
Volatile Organic Compounds (GC) by Method RSK175	WG1099563	1	04/18/18 11:26	04/18/18 11:26	AMC
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097806	1	04/13/18 20:46	04/13/18 20:46	JAH

TRIP BLANK L985379-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/12/18 00:00 | Received date/time: 04/13/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1097878	1	04/13/18 21:36	04/13/18 21:36	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097806	1	04/13/18 15:06	04/13/18 15:06	JAH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	213000		2710	20000	1	04/14/2018 11:33	WG1097724

Sample Narrative:

L985379-01 WG1097724: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	10900		51.9	1000	1	04/15/2018 08:54	WG1098514
Nitrate	U	Q	22.7	100	1	04/15/2018 08:54	WG1098514
Sulfate	10800		77.4	5000	1	04/15/2018 08:54	WG1098514

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2900	B	102	1000	1	04/14/2018 13:53	WG1098241

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	218000		15.0	100	1	04/15/2018 23:40	WG1097160
Manganese	4410		0.250	5.00	1	04/15/2018 23:40	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/14/2018 00:40	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-122*		*04/14/2018 00:40*	WG1097878

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1600		0.287	0.678	1	04/17/2018 14:09	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 14:09	WG1099029
Ethene	4.47		0.422	1.27	1	04/17/2018 14:09	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.31	J	1.05	25.0	1	04/16/2018 13:07	WG1097806
Acrylonitrile	U	J0	0.873	5.00	1	04/13/2018 19:46	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 19:46	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 19:46	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 19:46	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 19:46	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 19:46	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 19:46	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 19:46	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 19:46	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 19:46	WG1097806
Carbon disulfide	0.210	J	0.101	0.500	1	04/13/2018 19:46	WG1097806
Carbon tetrachloride	U	J0	0.159	0.500	1	04/13/2018 19:46	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/13/2018 19:46	WG1097806
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 19:46	WG1097806
Chloroethane	U		0.141	2.50	1	04/13/2018 19:46	WG1097806
Chloroform	U		0.0860	0.500	1	04/13/2018 19:46	WG1097806
Chloromethane	U	J0	0.153	1.25	1	04/13/2018 19:46	WG1097806
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 19:46	WG1097806
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 19:46	WG1097806
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 19:46	WG1097806
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 19:46	WG1097806
Dibromomethane	U		0.117	0.500	1	04/13/2018 19:46	WG1097806
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 19:46	WG1097806
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 19:46	WG1097806
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 19:46	WG1097806
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 19:46	WG1097806
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 19:46	WG1097806
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 19:46	WG1097806
1,1-Dichloroethene	U		0.188	0.500	1	04/13/2018 19:46	WG1097806
cis-1,2-Dichloroethene	1.79		0.0933	0.500	1	04/13/2018 19:46	WG1097806
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/13/2018 19:46	WG1097806
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 19:46	WG1097806
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 19:46	WG1097806
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 19:46	WG1097806
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 19:46	WG1097806
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 19:46	WG1097806
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 19:46	WG1097806
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 19:46	WG1097806
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/13/2018 19:46	WG1097806
Ethylbenzene	U		0.158	0.500	1	04/13/2018 19:46	WG1097806
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 19:46	WG1097806
2-Hexanone	U	J0	0.757	5.00	1	04/13/2018 19:46	WG1097806
n-Hexane	U	J0	0.305	5.00	1	04/13/2018 19:46	WG1097806
Iodomethane	U		0.377	10.0	1	04/13/2018 19:46	WG1097806
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 19:46	WG1097806
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 19:46	WG1097806
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/13/2018 19:46	WG1097806
Methylene Chloride	U		1.07	2.50	1	04/13/2018 19:46	WG1097806
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/13/2018 19:46	WG1097806
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 19:46	WG1097806
Naphthalene	U		0.174	2.50	1	04/13/2018 19:46	WG1097806
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 19:46	WG1097806
Styrene	U	J4	0.117	0.500	1	04/13/2018 19:46	WG1097806
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 19:46	WG1097806
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 19:46	WG1097806
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 19:46	WG1097806
Tetrachloroethene	U		0.199	0.500	1	04/13/2018 19:46	WG1097806
Toluene	U		0.412	0.500	1	04/13/2018 19:46	WG1097806
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 19:46	WG1097806
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 19:46	WG1097806
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 19:46	WG1097806
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 19:46	WG1097806
Trichloroethene	U		0.153	0.500	1	04/13/2018 19:46	WG1097806
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 19:46	WG1097806
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 19:46	WG1097806
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 19:46	WG1097806
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 19:46	WG1097806
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 19:46	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/13/2018 19:46	WG1097806
Vinyl chloride	4.26		0.118	0.500	1	04/13/2018 19:46	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 19:46	WG1097806
(S) Toluene-d8	*92.8*			*80.0-120*		*04/13/2018 19:46*	WG1097806
(S) Toluene-d8	*104*			*80.0-120*		*04/16/2018 13:07*	WG1097806
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/16/2018 13:07*	WG1097806
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/13/2018 19:46*	WG1097806
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/16/2018 13:07*	WG1097806
(S) 4-Bromofluorobenzene	*120*			*80.0-120*		*04/13/2018 19:46*	WG1097806

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	16700	J	2710	20000	1	04/14/2018 18:28	WG1097724

Sample Narrative:

L985379-02 WG1097724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2090		51.9	1000	1	04/15/2018 09:10	WG1098514
Nitrate	398	Q	22.7	100	1	04/15/2018 09:10	WG1098514
Sulfate	1310	J	77.4	5000	1	04/15/2018 09:10	WG1098514

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2800		102	1000	1	04/13/2018 21:14	WG1097606

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	19500		15.0	100	1	04/15/2018 23:44	WG1097160
Manganese	421		0.250	5.00	1	04/15/2018 23:44	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/14/2018 01:02	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-122*		*04/14/2018 01:02*	WG1097878

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	326		0.287	0.678	1	04/17/2018 14:15	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 14:15	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 14:15	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.34	J J0	1.05	25.0	1	04/13/2018 20:06	WG1097806
Acrylonitrile	U	J0	0.873	5.00	1	04/13/2018 20:06	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 20:06	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 20:06	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 20:06	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 20:06	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 20:06	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 20:06	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 20:06	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 20:06	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 20:06	WG1097806
Carbon disulfide	U		0.101	0.500	1	04/13/2018 20:06	WG1097806
Carbon tetrachloride	U	J0	0.159	0.500	1	04/13/2018 20:06	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/13/2018 20:06	WG1097806
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 20:06	WG1097806
Chloroethane	U		0.141	2.50	1	04/13/2018 20:06	WG1097806
Chloroform	U		0.0860	0.500	1	04/13/2018 20:06	WG1097806
Chloromethane	U	J0	0.153	1.25	1	04/13/2018 20:06	WG1097806
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 20:06	WG1097806
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 20:06	WG1097806
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 20:06	WG1097806
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 20:06	WG1097806
Dibromomethane	U		0.117	0.500	1	04/13/2018 20:06	WG1097806
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 20:06	WG1097806
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 20:06	WG1097806
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 20:06	WG1097806
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 20:06	WG1097806
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 20:06	WG1097806
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 20:06	WG1097806
1,1-Dichloroethene	U		0.188	0.500	1	04/13/2018 20:06	WG1097806
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/13/2018 20:06	WG1097806
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/13/2018 20:06	WG1097806
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 20:06	WG1097806
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 20:06	WG1097806
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 20:06	WG1097806
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 20:06	WG1097806
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 20:06	WG1097806
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 20:06	WG1097806
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 20:06	WG1097806
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/13/2018 20:06	WG1097806
Ethylbenzene	U		0.158	0.500	1	04/13/2018 20:06	WG1097806
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 20:06	WG1097806
2-Hexanone	U	J0	0.757	5.00	1	04/13/2018 20:06	WG1097806
n-Hexane	U	J0	0.305	5.00	1	04/13/2018 20:06	WG1097806
Iodomethane	U		0.377	10.0	1	04/13/2018 20:06	WG1097806
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 20:06	WG1097806
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 20:06	WG1097806
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/13/2018 20:06	WG1097806
Methylene Chloride	U		1.07	2.50	1	04/13/2018 20:06	WG1097806
4-Methyl-2-pentanone (MIBK)	2.35	J J0	0.823	5.00	1	04/13/2018 20:06	WG1097806
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 20:06	WG1097806
Naphthalene	U		0.174	2.50	1	04/13/2018 20:06	WG1097806
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 20:06	WG1097806
Styrene	U	J4	0.117	0.500	1	04/13/2018 20:06	WG1097806
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 20:06	WG1097806
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 20:06	WG1097806
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 20:06	WG1097806
Tetrachloroethene	U		0.199	0.500	1	04/13/2018 20:06	WG1097806
Toluene	U		0.412	0.500	1	04/13/2018 20:06	WG1097806
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 20:06	WG1097806
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 20:06	WG1097806
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 20:06	WG1097806
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 20:06	WG1097806
Trichloroethene	U		0.153	0.500	1	04/13/2018 20:06	WG1097806
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 20:06	WG1097806
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 20:06	WG1097806
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 20:06	WG1097806
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 20:06	WG1097806
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 20:06	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/13/2018 20:06	WG1097806
Vinyl chloride	U		0.118	0.500	1	04/13/2018 20:06	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 20:06	WG1097806
(S) Toluene-d8	*94.9*			*80.0-120*		*04/13/2018 20:06*	WG1097806
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/13/2018 20:06*	WG1097806
(S) 4-Bromofluorobenzene	*122*	J1		*80.0-120*		*04/13/2018 20:06*	WG1097806

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	249000		2710	20000	1	04/14/2018 11:46	WG1097724

Sample Narrative:

L985379-03 WG1097724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	15500		51.9	1000	1	04/15/2018 09:27	WG1098514
Nitrate	U	Q	22.7	100	1	04/15/2018 09:27	WG1098514
Sulfate	5730		77.4	5000	1	04/15/2018 09:27	WG1098514

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2400	B	102	1000	1	04/14/2018 14:05	WG1098241

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	15000		15.0	100	1	04/16/2018 00:15	WG1097160
Manganese	795		0.250	5.00	1	04/16/2018 00:15	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/14/2018 01:24	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-122*		*04/14/2018 01:24*	WG1097878

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	261		0.287	0.678	1	04/17/2018 14:18	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 14:18	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 14:18	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.13	J J0	1.05	25.0	1	04/13/2018 20:26	WG1097806
Acrylonitrile	U	J0	0.873	5.00	1	04/13/2018 20:26	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 20:26	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 20:26	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 20:26	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 20:26	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 20:26	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 20:26	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 20:26	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 20:26	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 20:26	WG1097806
Carbon disulfide	0.699		0.101	0.500	1	04/13/2018 20:26	WG1097806
Carbon tetrachloride	U	J0	0.159	0.500	1	04/13/2018 20:26	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/13/2018 20:26	WG1097806
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 20:26	WG1097806
Chloroethane	U		0.141	2.50	1	04/13/2018 20:26	WG1097806
Chloroform	U		0.0860	0.500	1	04/13/2018 20:26	WG1097806
Chloromethane	U	J0	0.153	1.25	1	04/13/2018 20:26	WG1097806
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 20:26	WG1097806
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 20:26	WG1097806
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 20:26	WG1097806
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 20:26	WG1097806
Dibromomethane	U		0.117	0.500	1	04/13/2018 20:26	WG1097806
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 20:26	WG1097806
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 20:26	WG1097806
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 20:26	WG1097806
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 20:26	WG1097806
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 20:26	WG1097806
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 20:26	WG1097806
1,1-Dichloroethene	0.355	J	0.188	0.500	1	04/13/2018 20:26	WG1097806
cis-1,2-Dichloroethene	2.47		0.0933	0.500	1	04/13/2018 20:26	WG1097806
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/13/2018 20:26	WG1097806
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 20:26	WG1097806
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 20:26	WG1097806
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 20:26	WG1097806
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 20:26	WG1097806
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 20:26	WG1097806
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 20:26	WG1097806
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 20:26	WG1097806
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/13/2018 20:26	WG1097806
Ethylbenzene	U		0.158	0.500	1	04/13/2018 20:26	WG1097806
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 20:26	WG1097806
2-Hexanone	U	J0	0.757	5.00	1	04/13/2018 20:26	WG1097806
n-Hexane	U	J0	0.305	5.00	1	04/13/2018 20:26	WG1097806
Iodomethane	U		0.377	10.0	1	04/13/2018 20:26	WG1097806
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 20:26	WG1097806
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 20:26	WG1097806
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/13/2018 20:26	WG1097806
Methylene Chloride	U		1.07	2.50	1	04/13/2018 20:26	WG1097806
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/13/2018 20:26	WG1097806
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 20:26	WG1097806
Naphthalene	U		0.174	2.50	1	04/13/2018 20:26	WG1097806
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 20:26	WG1097806
Styrene	0.178	J J4	0.117	0.500	1	04/13/2018 20:26	WG1097806
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 20:26	WG1097806
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 20:26	WG1097806
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 20:26	WG1097806
Tetrachloroethene	0.402	J	0.199	0.500	1	04/13/2018 20:26	WG1097806
Toluene	U		0.412	0.500	1	04/13/2018 20:26	WG1097806
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 20:26	WG1097806
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 20:26	WG1097806
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 20:26	WG1097806
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 20:26	WG1097806
Trichloroethene	0.572		0.153	0.500	1	04/13/2018 20:26	WG1097806
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 20:26	WG1097806
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 20:26	WG1097806
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 20:26	WG1097806
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 20:26	WG1097806
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 20:26	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/13/2018 20:26	WG1097806
Vinyl chloride	0.246	J	0.118	0.500	1	04/13/2018 20:26	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 20:26	WG1097806
(S) Toluene-d8	*93.6*			*80.0-120*		*04/13/2018 20:26*	WG1097806
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/13/2018 20:26*	WG1097806
(S) 4-Bromofluorobenzene	*122*	J1		*80.0-120*		*04/13/2018 20:26*	WG1097806

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	179000		2710	20000	1	04/14/2018 12:31	WG1097724

Sample Narrative:
L985379-04 WG1097724: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	9640		51.9	1000	1	04/15/2018 09:44	WG1098514
Nitrate	U	Q	22.7	100	1	04/15/2018 09:44	WG1098514
Sulfate	7490		77.4	5000	1	04/15/2018 09:44	WG1098514

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4300		102	1000	1	04/13/2018 21:51	WG1097606

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4610		15.0	100	1	04/15/2018 23:54	WG1097160
Manganese	556		0.250	5.00	1	04/15/2018 23:54	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	326	B	31.6	100	1	04/14/2018 01:46	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-122*		*04/14/2018 01:46*	WG1097878

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2690		0.287	0.678	1	04/18/2018 11:26	WG1099563
Ethane	3.29		0.296	1.29	1	04/18/2018 11:26	WG1099563
Ethene	0.869	J	0.422	1.27	1	04/18/2018 11:26	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.38	J J0	1.05	25.0	1	04/13/2018 20:46	WG1097806
Acrylonitrile	U	J0	0.873	5.00	1	04/13/2018 20:46	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 20:46	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 20:46	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 20:46	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 20:46	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 20:46	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 20:46	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 20:46	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 20:46	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 20:46	WG1097806
Carbon disulfide	U		0.101	0.500	1	04/13/2018 20:46	WG1097806
Carbon tetrachloride	U	J0	0.159	0.500	1	04/13/2018 20:46	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/13/2018 20:46	WG1097806
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 20:46	WG1097806
Chloroethane	U		0.141	2.50	1	04/13/2018 20:46	WG1097806
Chloroform	0.305	J	0.0860	0.500	1	04/13/2018 20:46	WG1097806
Chloromethane	U	J0	0.153	1.25	1	04/13/2018 20:46	WG1097806
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 20:46	WG1097806
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 20:46	WG1097806
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 20:46	WG1097806
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 20:46	WG1097806
Dibromomethane	U		0.117	0.500	1	04/13/2018 20:46	WG1097806
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 20:46	WG1097806
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 20:46	WG1097806
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 20:46	WG1097806
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 20:46	WG1097806
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 20:46	WG1097806
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 20:46	WG1097806
1,1-Dichloroethene	0.389	J	0.188	0.500	1	04/13/2018 20:46	WG1097806
cis-1,2-Dichloroethene	91.6		0.0933	0.500	1	04/13/2018 20:46	WG1097806
trans-1,2-Dichloroethene	5.68		0.152	0.500	1	04/13/2018 20:46	WG1097806
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 20:46	WG1097806
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 20:46	WG1097806
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 20:46	WG1097806
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 20:46	WG1097806
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 20:46	WG1097806
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 20:46	WG1097806
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 20:46	WG1097806
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/13/2018 20:46	WG1097806
Ethylbenzene	U		0.158	0.500	1	04/13/2018 20:46	WG1097806
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 20:46	WG1097806
2-Hexanone	U	J0	0.757	5.00	1	04/13/2018 20:46	WG1097806
n-Hexane	U	J0	0.305	5.00	1	04/13/2018 20:46	WG1097806
Iodomethane	U		0.377	10.0	1	04/13/2018 20:46	WG1097806
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 20:46	WG1097806
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 20:46	WG1097806
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/13/2018 20:46	WG1097806
Methylene Chloride	U		1.07	2.50	1	04/13/2018 20:46	WG1097806
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/13/2018 20:46	WG1097806
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 20:46	WG1097806
Naphthalene	U		0.174	2.50	1	04/13/2018 20:46	WG1097806
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 20:46	WG1097806
Styrene	U	J4	0.117	0.500	1	04/13/2018 20:46	WG1097806
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 20:46	WG1097806
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 20:46	WG1097806
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 20:46	WG1097806
Tetrachloroethene	71.3		0.199	0.500	1	04/13/2018 20:46	WG1097806
Toluene	U		0.412	0.500	1	04/13/2018 20:46	WG1097806
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 20:46	WG1097806
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 20:46	WG1097806
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 20:46	WG1097806
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 20:46	WG1097806
Trichloroethene	25.6		0.153	0.500	1	04/13/2018 20:46	WG1097806
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 20:46	WG1097806
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 20:46	WG1097806
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 20:46	WG1097806
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 20:46	WG1097806
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 20:46	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/13/2018 20:46	WG1097806
Vinyl chloride	7.01		0.118	0.500	1	04/13/2018 20:46	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 20:46	WG1097806
(S) Toluene-d8	*93.4*			*80.0-120*		*04/13/2018 20:46*	WG1097806
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/13/2018 20:46*	WG1097806
(S) 4-Bromofluorobenzene	*121*	J1		*80.0-120*		*04/13/2018 20:46*	WG1097806

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/13/2018 21:36	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-122*		*04/13/2018 21:36*	WG1097878

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.26	J J0	1.05	25.0	1	04/13/2018 15:06	WG1097806
Acrylonitrile	U	J0	0.873	5.00	1	04/13/2018 15:06	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 15:06	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 15:06	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 15:06	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 15:06	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 15:06	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 15:06	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 15:06	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 15:06	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 15:06	WG1097806
Carbon disulfide	U		0.101	0.500	1	04/13/2018 15:06	WG1097806
Carbon tetrachloride	U	J0	0.159	0.500	1	04/13/2018 15:06	WG1097806
Chlorobenzene	U		0.140	0.500	1	04/13/2018 15:06	WG1097806
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 15:06	WG1097806
Chloroethane	U		0.141	2.50	1	04/13/2018 15:06	WG1097806
Chloroform	U		0.0860	0.500	1	04/13/2018 15:06	WG1097806
Chloromethane	U	J0	0.153	1.25	1	04/13/2018 15:06	WG1097806
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 15:06	WG1097806
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 15:06	WG1097806
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 15:06	WG1097806
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 15:06	WG1097806
Dibromomethane	U		0.117	0.500	1	04/13/2018 15:06	WG1097806
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 15:06	WG1097806
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 15:06	WG1097806
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 15:06	WG1097806
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 15:06	WG1097806
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 15:06	WG1097806
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 15:06	WG1097806
1,1-Dichloroethene	U		0.188	0.500	1	04/13/2018 15:06	WG1097806
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/13/2018 15:06	WG1097806
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/13/2018 15:06	WG1097806
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 15:06	WG1097806
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 15:06	WG1097806
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 15:06	WG1097806
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 15:06	WG1097806
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 15:06	WG1097806
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 15:06	WG1097806
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 15:06	WG1097806
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/13/2018 15:06	WG1097806
Ethylbenzene	U		0.158	0.500	1	04/13/2018 15:06	WG1097806
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 15:06	WG1097806
2-Hexanone	U	J0	0.757	5.00	1	04/13/2018 15:06	WG1097806
n-Hexane	U	J0	0.305	5.00	1	04/13/2018 15:06	WG1097806
Iodomethane	U		0.377	10.0	1	04/13/2018 15:06	WG1097806
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 15:06	WG1097806
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 15:06	WG1097806
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/13/2018 15:06	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/13/2018 15:06	WG1097806
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/13/2018 15:06	WG1097806
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 15:06	WG1097806
Naphthalene	U		0.174	2.50	1	04/13/2018 15:06	WG1097806
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 15:06	WG1097806
Styrene	U	J4	0.117	0.500	1	04/13/2018 15:06	WG1097806
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 15:06	WG1097806
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 15:06	WG1097806
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 15:06	WG1097806
Tetrachloroethene	U		0.199	0.500	1	04/13/2018 15:06	WG1097806
Toluene	U		0.412	0.500	1	04/13/2018 15:06	WG1097806
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 15:06	WG1097806
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 15:06	WG1097806
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 15:06	WG1097806
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 15:06	WG1097806
Trichloroethene	U		0.153	0.500	1	04/13/2018 15:06	WG1097806
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 15:06	WG1097806
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 15:06	WG1097806
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 15:06	WG1097806
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 15:06	WG1097806
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 15:06	WG1097806
Vinyl acetate	U		0.645	5.00	1	04/13/2018 15:06	WG1097806
Vinyl chloride	U		0.118	0.500	1	04/13/2018 15:06	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 15:06	WG1097806
(S) Toluene-d8	*93.3*			*80.0-120*		*04/13/2018 15:06*	WG1097806
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/13/2018 15:06*	WG1097806
(S) 4-Bromofluorobenzene	*116*			*80.0-120*		*04/13/2018 15:06*	WG1097806

L985379-04 Original Sample (OS) • Duplicate (DUP)

(OS) L985379-04 04/14/18 12:31 • (DUP) R3301861-3 04/14/18 12:40

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	179000	182000	1	1.65		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L984575-11 Original Sample (OS) • Duplicate (DUP)

(OS) L984575-11 04/14/18 17:52 • (DUP) R3301861-8 04/14/18 18:01

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	93200	93300	1	0.141		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301861-1 04/14/18 10:11 • (LCSD) R3301861-2 04/14/18 12:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	107000	103000	107	103	85.0-115			4.53	20

Sample Narrative:
LCS: Endpoint pH 4.5
LCSD: Endpoint pH 4.5

Method Blank (MB)

(MB) R3302179-1 04/14/18 13:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L985782-16 Original Sample (OS) • Duplicate (DUP)

(OS) L985782-16 04/14/18 23:15 • (DUP) R3302179-4 04/14/18 23:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	ND	0.000	1	0.000		15
Nitrate	ND	0.000	1	0.000		15
Sulfate	ND	0.000	1	0.000		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302179-2 04/14/18 13:18 • (LCSD) R3302179-3 04/14/18 13:35

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Chloride	40000	38700	38500	96.6	96.3	80.0-120			0.308	15
Nitrate	8000	7980	7970	99.8	99.6	80.0-120			0.219	15
Sulfate	40000	39500	39400	98.8	98.6	80.0-120			0.235	15

L985782-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L985782-16 04/14/18 23:15 • (MS) R3302179-5 04/14/18 23:48

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Chloride	50000	ND	46300	92.6	1	80.0-120	
Nitrate	5000	ND	4570	91.3	1	80.0-120	
Sulfate	50000	ND	47400	94.8	1	80.0-120	

L985383-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L985383-04 04/15/18 10:52 • (MS) R3302179-7 04/15/18 11:26 • (MSD) R3302179-8 04/15/18 12:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Chloride	50000	ND	51800	50900	102	99.9	1	80.0-120			1.73	15
Nitrate	5000	924	5680	6140	95.0	104	1	80.0-120			7.82	15

L985383-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L985383-04 04/15/18 10:52 • (MS) R3302179-7 04/15/18 11:26 • (MSD) R3302179-8 04/15/18 12:16

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Sulfate	50000	ND	50000	54100	92.0	100	1	80.0-120			8.04	15

Method Blank (MB)

(MB) R3301811-1 04/13/18 08:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	U		102	1000

L985239-01 Original Sample (OS) • Duplicate (DUP)

(OS) L985239-01 04/13/18 14:07 • (DUP) R3301811-3 04/13/18 14:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC	725	624	1	14.9	J	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301811-2 04/13/18 08:50 • (LCSD) R3301811-4 04/13/18 15:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TOC	75000	72600	73200	96.7	97.6	85.0-115			0.919	20

Method Blank (MB)

(MB) R3301924-1 04/14/18 12:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	337	J	102	1000

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301924-2 04/14/18 12:45 • (LCSD) R3301924-4 04/14/18 15:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TOC	75000	78100	78700	104	105	85.0-115			0.816	20

Method Blank (MB)

(MB) R3302051-1 04/15/18 22:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302051-2 04/15/18 22:12 • (LCSD) R3302051-3 04/15/18 22:17

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	5000	5040	5000	101	100	80.0-120			0.793	20
Manganese	50.0	50.4	49.4	101	98.8	80.0-120			2.02	20

L984988-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L984988-06 04/15/18 22:22 • (MS) R3302051-5 04/15/18 22:31 • (MSD) R3302051-6 04/15/18 22:36

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	96.2	4920	5040	96.6	98.9	1	75.0-125			2.31	20
Manganese	50.0	54.4	98.1	106	87.4	104	1	75.0-125			8.18	20

Method Blank (MB)

(MB) R3301818-3 04/13/18 21:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	35.1	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301818-2 04/13/18 20:30 • (LCSD) R3301818-1 04/13/18 20:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	5710	5750	104	105	72.0-134			0.779	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*107*	*77.0-122*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3302413-1 04/17/18 10:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L984988-06 Original Sample (OS) • Duplicate (DUP)

(OS) L984988-06 04/17/18 12:19 • (DUP) R3302413-2 04/17/18 13:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	U	0.000	1	0.000		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

L985009-05 Original Sample (OS) • Duplicate (DUP)

(OS) L985009-05 04/17/18 13:53 • (DUP) R3302413-3 04/17/18 14:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302413-4 04/17/18 14:24 • (LCSD) R3302413-5 04/17/18 14:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	75.9	75.8	112	112	85.0-115			0.156	20
Ethane	129	122	119	94.3	91.9	85.0-115			2.61	20
Ethene	127	125	122	98.6	96.3	85.0-115			2.38	20

Method Blank (MB)

(MB) R3302785-1 04/18/18 11:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L986131-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986131-01 04/18/18 11:17 • (DUP) R3302785-2 04/18/18 11:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	515	507	1	1.63		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L986149-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986149-01 04/18/18 11:23 • (DUP) R3302785-3 04/18/18 11:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	20.6	17.0	1	18.9		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L986577-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986577-01 04/18/18 13:05 • (DUP) R3302785-4 04/18/18 13:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302785-5 04/18/18 13:11 • (LCSD) R3302785-6 04/18/18 13:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	76.2	73.0	112	108	85.0-115			4.34	20
Ethane	129	124	117	96.0	90.4	85.0-115			5.95	20
Ethene	127	127	120	100	94.2	85.0-115			6.29	20

Method Blank (MB)

(MB) R3302011-2 04/13/18 10:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
2-Hexanone	U		0.757	5.00

Method Blank (MB)

(MB) R3302011-2 04/13/18 10:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Hexane	U		0.305	5.00
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	0.219	J	0.174	2.50
n-Propylbenzene	U		0.162	0.500
Vinyl acetate	U		0.645	5.00
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	0.191	J	0.164	0.500
Toluene	U		0.412	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*92.5*			*80.0-120*
(S) Dibromofluoromethane	*99.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*120*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302011-1 04/13/18 09:06 • (LCSD) R3302011-3 04/13/18 10:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromochloromethane	25.0	23.8	23.5	95.3	94.0	76.0-122			1.35	20
Carbon disulfide	25.0	26.8	25.8	107	103	55.0-127			4.00	20
Acetone	125	96.4	98.0	77.1	78.4	10.0-160			1.61	23
Acrylonitrile	125	80.3	80.2	64.3	64.2	60.0-142			0.130	20
trans-1,4-Dichloro-2-butene	25.0	20.0	20.0	80.1	80.2	55.0-134			0.0876	20
Bromobenzene	25.0	26.6	25.8	106	103	79.0-120			3.14	20
Bromodichloromethane	25.0	22.3	22.3	89.1	89.2	76.0-120			0.151	20
2-Hexanone	125	84.8	84.7	67.8	67.8	58.0-147			0.0161	20
Bromoform	25.0	28.3	28.1	113	112	67.0-132			0.710	20
Bromomethane	25.0	22.2	20.5	88.7	82.1	18.0-160			7.78	20
n-Hexane	25.0	17.5	16.6	70.1	66.6	56.0-124			5.12	20
Iodomethane	125	123	116	98.5	93.2	57.0-140			5.55	20
n-Butylbenzene	25.0	25.7	24.1	103	96.4	72.0-126			6.23	20
sec-Butylbenzene	25.0	25.2	23.6	101	94.4	74.0-121			6.61	20
tert-Butylbenzene	25.0	24.8	23.8	99.4	95.1	75.0-122			4.39	20
Carbon tetrachloride	25.0	19.7	19.8	78.8	79.2	63.0-122			0.457	20
Benzene	25.0	25.8	24.6	103	98.4	69.0-123			4.65	20
Chlorobenzene	25.0	23.2	23.0	92.7	92.1	79.0-121			0.666	20
Chlorodibromomethane	25.0	22.7	22.4	90.7	89.6	75.0-125			1.24	20
Chloroethane	25.0	22.2	22.6	88.7	90.3	47.0-152			1.79	20
Chloroform	25.0	24.5	23.3	98.0	93.1	72.0-121			5.10	20
Chloromethane	25.0	17.9	16.8	71.7	67.1	48.0-139			6.73	20
2-Chlorotoluene	25.0	26.7	25.8	107	103	74.0-122			3.39	20
4-Chlorotoluene	25.0	26.1	24.9	105	99.4	79.0-120			5.04	20
1,2-Dibromo-3-Chloropropane	25.0	21.6	21.8	86.5	87.0	64.0-127			0.676	20
1,2-Dibromoethane	25.0	23.0	22.4	92.1	89.7	77.0-123			2.65	20
Dibromomethane	25.0	23.9	24.5	95.8	97.8	78.0-120			2.13	20
1,2-Dichlorobenzene	25.0	23.3	22.0	93.0	87.9	80.0-120			5.64	20
1,3-Dichlorobenzene	25.0	23.5	22.1	94.1	88.4	72.0-123			6.27	20
1,4-Dichlorobenzene	25.0	23.8	22.6	95.1	90.4	77.0-120			5.07	20
Dichlorodifluoromethane	25.0	25.3	23.0	101	92.1	49.0-155			9.61	20
1,1-Dichloroethane	25.0	21.2	20.8	84.7	83.2	70.0-126			1.74	20
1,2-Dichloroethane	25.0	19.2	19.5	76.9	78.0	67.0-126			1.46	20
1,1-Dichloroethene	25.0	26.4	24.9	106	99.4	64.0-129			6.17	20
Vinyl acetate	125	104	100	82.9	80.4	46.0-160			3.10	20
cis-1,2-Dichloroethene	25.0	24.5	23.4	98.0	93.8	73.0-120			4.38	20
trans-1,2-Dichloroethene	25.0	24.7	24.2	98.9	96.8	71.0-121			2.09	20
1,2-Dichloropropane	25.0	22.5	21.9	89.9	87.7	75.0-125			2.49	20
1,1-Dichloropropene	25.0	26.5	24.6	106	98.4	71.0-129			7.53	20
1,3-Dichloropropane	25.0	24.1	23.7	96.2	94.9	80.0-121			1.34	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302011-1 04/13/18 09:06 • (LCSD) R3302011-3 04/13/18 10:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	25.0	23.8	24.2	95.4	97.0	79.0-123			1.71	20
trans-1,3-Dichloropropene	25.0	23.7	23.0	94.7	92.1	74.0-127			2.83	20
2,2-Dichloropropane	25.0	23.8	22.9	95.1	91.5	60.0-125			3.84	20
Di-isopropyl ether	25.0	16.9	16.5	67.6	66.1	59.0-133			2.24	20
Hexachloro-1,3-butadiene	25.0	21.1	20.5	84.2	82.0	64.0-131			2.67	20
Isopropylbenzene	25.0	30.6	29.7	122	119	75.0-120	J4		2.88	20
p-Isopropyltoluene	25.0	23.8	23.6	95.3	94.4	74.0-126			0.956	20
2-Butanone (MEK)	125	84.9	85.7	67.9	68.6	37.0-158			0.969	20
Methylene Chloride	25.0	24.0	23.7	96.0	94.7	66.0-121			1.43	20
4-Methyl-2-pentanone (MIBK)	125	79.5	79.9	63.6	63.9	59.0-143			0.506	20
Ethylbenzene	25.0	23.9	22.5	95.7	89.8	77.0-120			6.28	20
n-Propylbenzene	25.0	28.6	26.7	114	107	79.0-120			6.69	20
Styrene	25.0	31.5	30.6	126	122	78.0-124	J4		3.13	20
1,1,1,2-Tetrachloroethane	25.0	21.0	20.4	84.0	81.6	75.0-122			2.91	20
1,1,2,2-Tetrachloroethane	25.0	27.7	26.9	111	108	71.0-122			3.02	20
Tetrachloroethene	25.0	21.8	21.2	87.2	84.8	70.0-127			2.81	20
1,1,2-Trichlorotrifluoroethane	25.0	27.4	26.6	109	106	61.0-136			2.91	20
1,2,3-Trichlorobenzene	25.0	21.2	20.7	84.8	82.7	61.0-133			2.52	20
1,2,4-Trichlorobenzene	25.0	22.7	21.5	90.8	85.9	69.0-129			5.55	20
1,1,1-Trichloroethane	25.0	22.2	21.0	88.7	83.8	68.0-122			5.68	20
Methyl tert-butyl ether	25.0	22.9	23.1	91.4	92.5	64.0-123			1.20	20
1,1,2-Trichloroethane	25.0	24.7	24.6	98.7	98.3	78.0-120			0.337	20
Trichloroethene	25.0	23.4	22.8	93.4	91.1	78.0-120			2.58	20
Naphthalene	25.0	21.4	20.0	85.8	80.0	62.0-128			6.98	20
Trichlorofluoromethane	25.0	25.2	23.8	101	95.3	56.0-137			5.63	20
1,2,3-Trichloropropane	25.0	24.2	23.4	96.8	93.6	72.0-124			3.35	20
1,2,3-Trimethylbenzene	25.0	23.8	23.2	95.3	92.8	75.0-120			2.62	20
1,2,4-Trimethylbenzene	25.0	24.6	23.7	98.5	94.7	75.0-120			3.96	20
1,3,5-Trimethylbenzene	25.0	25.3	25.1	101	100	75.0-120			0.612	20
Vinyl chloride	25.0	25.4	22.5	102	90.1	64.0-133			12.0	20
Toluene	25.0	22.8	22.0	91.1	87.9	77.0-120			3.62	20
Xylenes, Total	75.0	67.6	65.7	90.1	87.6	77.0-120			2.85	20
(S) Toluene-d8				*96.8*	*97.1*	*80.0-120*				
(S) Dibromofluoromethane				*97.5*	*98.5*	*76.0-123*				
(S) 4-Bromofluorobenzene				*119*	*116*	*80.0-120*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.
Q	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

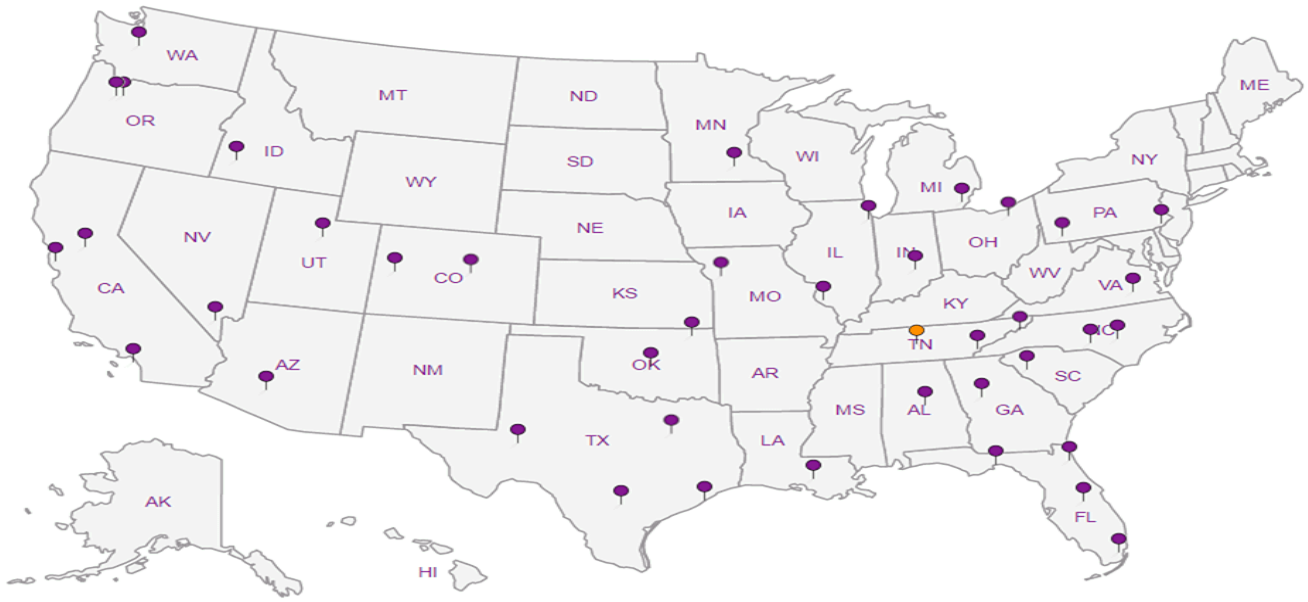
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-137-041218	Grab	GW		4/12/18	1520	11	X	X	X	X	X	X		01
MW-112-041218		GW		4/12/18	1046	11	X	X	X	X	X	X		02
MW-140-041218		GW		4/12/18	1304	11	X	X	X	X	X	X		03
MW-141-041218		GW		4/12/18	0918	11	X	X	X	X	X	X		04
TRIP BLANK		GW				1		X				X		05
		GW												
		GW												
		GW												
		GW												
		GW												

Chain of Custody Page 1 of 1

ESC LABORATORIES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 985375

Tabl C178

Acctnum: PESENVSWA
Template: T134175
Prelogin: P645197
TSR: 110 - Brian Ford
PB: 3-22-18CS

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier __ _____

Tracking # 4269 9216 6713

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: X Y N
Preservation Correct/Checked: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 3.7 °C 5.0 Bottles Received: 44

Date: 4/13/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	213000		2710	20000	1	04/14/2018 11:33	WG1097724

Sample Narrative:
L985379-01 WG1097724: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	10900		51.9	1000	1	04/15/2018 08:54	WG1098514
Nitrate	U R	Q	22.7	100	1	04/15/2018 08:54	WG1098514
Sulfate	10800		77.4	5000	1	04/15/2018 08:54	WG1098514

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2900	B	102	1000	1	04/14/2018 13:53	WG1098241

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	218000		15.0	100	1	04/15/2018 23:40	WG1097160
Manganese	4410		0.250	5.00	1	04/15/2018 23:40	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/14/2018 00:40	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-122*		*04/14/2018 00:40*	WG1097878

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	1600		0.287	0.678	1	04/17/2018 14:09	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 14:09	WG1099029
Ethene	4.47		0.422	1.27	1	04/17/2018 14:09	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.31 J	J	1.05	25.0	1	04/16/2018 13:07	WG1097806
Acrylonitrile	U UJ	J0	0.873	5.00	1	04/13/2018 19:46	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 19:46	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 19:46	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 19:46	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 19:46	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 19:46	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 19:46	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 19:46	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 19:46	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 19:46	WG1097806
Carbon disulfide	0.210 J	J	0.101	0.500	1	04/13/2018 19:46	WG1097806
Carbon tetrachloride	U UJ	J0	0.159	0.500	1	04/13/2018 19:46	WG1097806

JC 5/9/2018

Cp Tc Ss Cn Sr Qc Gl Al Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier		MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U			0.140	0.500	1	04/13/2018 19:46	WG1097806
Chlorodibromomethane	U			0.128	0.500	1	04/13/2018 19:46	WG1097806
Chloroethane	U			0.141	2.50	1	04/13/2018 19:46	WG1097806
Chloroform	U			0.0860	0.500	1	04/13/2018 19:46	WG1097806
Chloromethane	U	UJ	J0	0.153	1.25	1	04/13/2018 19:46	WG1097806
2-Chlorotoluene	U			0.111	0.500	1	04/13/2018 19:46	WG1097806
4-Chlorotoluene	U			0.0972	0.500	1	04/13/2018 19:46	WG1097806
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	04/13/2018 19:46	WG1097806
1,2-Dibromoethane	U			0.193	0.500	1	04/13/2018 19:46	WG1097806
Dibromomethane	U			0.117	0.500	1	04/13/2018 19:46	WG1097806
1,2-Dichlorobenzene	U			0.101	0.500	1	04/13/2018 19:46	WG1097806
1,3-Dichlorobenzene	U			0.130	0.500	1	04/13/2018 19:46	WG1097806
1,4-Dichlorobenzene	U			0.121	0.500	1	04/13/2018 19:46	WG1097806
Dichlorodifluoromethane	U			0.127	2.50	1	04/13/2018 19:46	WG1097806
1,1-Dichloroethane	U			0.114	0.500	1	04/13/2018 19:46	WG1097806
1,2-Dichloroethane	U			0.108	0.500	1	04/13/2018 19:46	WG1097806
1,1-Dichloroethene	U			0.188	0.500	1	04/13/2018 19:46	WG1097806
cis-1,2-Dichloroethene	1.79			0.0933	0.500	1	04/13/2018 19:46	WG1097806
trans-1,2-Dichloroethene	U			0.152	0.500	1	04/13/2018 19:46	WG1097806
1,2-Dichloropropane	U			0.190	0.500	1	04/13/2018 19:46	WG1097806
1,1-Dichloropropene	U			0.128	0.500	1	04/13/2018 19:46	WG1097806
1,3-Dichloropropane	U			0.147	1.00	1	04/13/2018 19:46	WG1097806
cis-1,3-Dichloropropene	U			0.0976	0.500	1	04/13/2018 19:46	WG1097806
trans-1,3-Dichloropropene	U			0.222	0.500	1	04/13/2018 19:46	WG1097806
trans-1,4-Dichloro-2-butene	U			0.257	5.00	1	04/13/2018 19:46	WG1097806
2,2-Dichloropropane	U			0.0929	0.500	1	04/13/2018 19:46	WG1097806
Di-isopropyl ether	U	UJ	J0	0.0924	0.500	1	04/13/2018 19:46	WG1097806
Ethylbenzene	U			0.158	0.500	1	04/13/2018 19:46	WG1097806
Hexachloro-1,3-butadiene	U			0.157	1.00	1	04/13/2018 19:46	WG1097806
2-Hexanone	U	UJ	J0	0.757	5.00	1	04/13/2018 19:46	WG1097806
n-Hexane	U		J0	0.305	5.00	1	04/13/2018 19:46	WG1097806
Iodomethane	U			0.377	10.0	1	04/13/2018 19:46	WG1097806
Isopropylbenzene	U		J4	0.126	0.500	1	04/13/2018 19:46	WG1097806
p-Isopropyltoluene	U			0.138	0.500	1	04/13/2018 19:46	WG1097806
2-Butanone (MEK)	U	UJ	J0	1.28	5.00	1	04/13/2018 19:46	WG1097806
Methylene Chloride	U			1.07	2.50	1	04/13/2018 19:46	WG1097806
4-Methyl-2-pentanone (MIBK)	U	UJ	J0	0.823	5.00	1	04/13/2018 19:46	WG1097806
Methyl tert-butyl ether	U			0.102	0.500	1	04/13/2018 19:46	WG1097806
Naphthalene	U			0.174	2.50	1	04/13/2018 19:46	WG1097806
n-Propylbenzene	U			0.162	0.500	1	04/13/2018 19:46	WG1097806
Styrene	U		J4	0.117	0.500	1	04/13/2018 19:46	WG1097806
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/13/2018 19:46	WG1097806
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/13/2018 19:46	WG1097806
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/13/2018 19:46	WG1097806
Tetrachloroethene	U			0.199	0.500	1	04/13/2018 19:46	WG1097806
Toluene	U			0.412	0.500	1	04/13/2018 19:46	WG1097806
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/13/2018 19:46	WG1097806
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/13/2018 19:46	WG1097806
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/13/2018 19:46	WG1097806
1,1,2-Trichloroethane	U			0.186	0.500	1	04/13/2018 19:46	WG1097806
Trichloroethene	U			0.153	0.500	1	04/13/2018 19:46	WG1097806
Trichlorofluoromethane	U			0.130	2.50	1	04/13/2018 19:46	WG1097806
1,2,3-Trichloropropane	U			0.247	2.50	1	04/13/2018 19:46	WG1097806
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/13/2018 19:46	WG1097806
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/13/2018 19:46	WG1097806
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/13/2018 19:46	WG1097806

JC 5/9/2018

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/13/2018 19:46	WG1097806
Vinyl chloride	4.26		0.118	0.500	1	04/13/2018 19:46	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 19:46	WG1097806
(S) Toluene-d8	*92.8*			*80.0-120*		*04/13/2018 19:46*	WG1097806
(S) Toluene-d8	*104*			*80.0-120*		*04/16/2018 13:07*	WG1097806
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/16/2018 13:07*	WG1097806
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/13/2018 19:46*	WG1097806
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/16/2018 13:07*	WG1097806
(S) 4-Bromofluorobenzene	*120*			*80.0-120*		*04/13/2018 19:46*	WG1097806

JC 5/9/2018

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	16700 J	J	2710	20000	1	04/14/2018 18:28	WG1097724

Sample Narrative:

L985379-02 WG1097724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2090		51.9	1000	1	04/15/2018 09:10	WG1098514
Nitrate	398 J	Q	22.7	100	1	04/15/2018 09:10	WG1098514
Sulfate	1310 J	J	77.4	5000	1	04/15/2018 09:10	WG1098514

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2800		102	1000	1	04/13/2018 21:14	WG1097606

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	19500		15.0	100	1	04/15/2018 23:44	WG1097160
Manganese	421		0.250	5.00	1	04/15/2018 23:44	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/14/2018 01:02	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*77.0-122*		*04/14/2018 01:02*	WG1097878

Volatile Organic Compounds (GC) by Method RSK175

JC 5/9/2018

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	326		0.287	0.678	1	04/17/2018 14:15	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 14:15	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 14:15	WG1099029

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.34 U	J J0	1.05	25.0	1	04/13/2018 20:06	WG1097806
Acrylonitrile	U UJ	J0	0.873	5.00	1	04/13/2018 20:06	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 20:06	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 20:06	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 20:06	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 20:06	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 20:06	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 20:06	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 20:06	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 20:06	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 20:06	WG1097806
Carbon disulfide	U		0.101	0.500	1	04/13/2018 20:06	WG1097806
Carbon tetrachloride	U UJ	J0	0.159	0.500	1	04/13/2018 20:06	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.140	0.500	1	04/13/2018 20:06	WG1097806
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 20:06	WG1097806
Chloroethane	U		0.141	2.50	1	04/13/2018 20:06	WG1097806
Chloroform	U		0.0860	0.500	1	04/13/2018 20:06	WG1097806
Chloromethane	U	UJ J0	0.153	1.25	1	04/13/2018 20:06	WG1097806
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 20:06	WG1097806
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 20:06	WG1097806
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 20:06	WG1097806
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 20:06	WG1097806
Dibromomethane	U		0.117	0.500	1	04/13/2018 20:06	WG1097806
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 20:06	WG1097806
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 20:06	WG1097806
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 20:06	WG1097806
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 20:06	WG1097806
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 20:06	WG1097806
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 20:06	WG1097806
1,1-Dichloroethene	U		0.188	0.500	1	04/13/2018 20:06	WG1097806
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/13/2018 20:06	WG1097806
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/13/2018 20:06	WG1097806
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 20:06	WG1097806
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 20:06	WG1097806
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 20:06	WG1097806
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 20:06	WG1097806
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 20:06	WG1097806
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 20:06	WG1097806
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 20:06	WG1097806
Di-isopropyl ether	U	UJ J0	0.0924	0.500	1	04/13/2018 20:06	WG1097806
Ethylbenzene	U		0.158	0.500	1	04/13/2018 20:06	WG1097806
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 20:06	WG1097806
2-Hexanone	U	UJ J0	0.757	5.00	1	04/13/2018 20:06	WG1097806
n-Hexane	U	UJ J0	0.305	5.00	1	04/13/2018 20:06	WG1097806
Iodomethane	U		0.377	10.0	1	04/13/2018 20:06	WG1097806
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 20:06	WG1097806
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 20:06	WG1097806
2-Butanone (MEK)	U	UJ J0	1.28	5.00	1	04/13/2018 20:06	WG1097806
Methylene Chloride	U		1.07	2.50	1	04/13/2018 20:06	WG1097806
4-Methyl-2-pentanone (MIBK)	2.35	J+ J J0	0.823	5.00	1	04/13/2018 20:06	WG1097806
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 20:06	WG1097806
Naphthalene	U		0.174	2.50	1	04/13/2018 20:06	WG1097806
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 20:06	WG1097806
Styrene	U	J4	0.117	0.500	1	04/13/2018 20:06	WG1097806
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 20:06	WG1097806
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 20:06	WG1097806
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 20:06	WG1097806
Tetrachloroethene	U		0.199	0.500	1	04/13/2018 20:06	WG1097806
Toluene	U		0.412	0.500	1	04/13/2018 20:06	WG1097806
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 20:06	WG1097806
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 20:06	WG1097806
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 20:06	WG1097806
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 20:06	WG1097806
Trichloroethene	U		0.153	0.500	1	04/13/2018 20:06	WG1097806
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 20:06	WG1097806 JC 5/9/2018
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 20:06	WG1097806
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 20:06	WG1097806
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 20:06	WG1097806
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 20:06	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/13/2018 20:06	WG1097806
Vinyl chloride	U		0.118	0.500	1	04/13/2018 20:06	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 20:06	WG1097806
(S) Toluene-d8	*94.9*			*80.0-120*		*04/13/2018 20:06*	WG1097806
(S) Dibromofluoromethane	*104*			*76.0-123*		*04/13/2018 20:06*	WG1097806
(S) 4-Bromofluorobenzene	*122*	J1		*80.0-120*		*04/13/2018 20:06*	WG1097806

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	249000		2710	20000	1	04/14/2018 11:46	WG1097724

Sample Narrative:

L985379-03 WG1097724: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	15500		51.9	1000	1	04/15/2018 09:27	WG1098514
Nitrate	U R	Q	22.7	100	1	04/15/2018 09:27	WG1098514
Sulfate	5730		77.4	5000	1	04/15/2018 09:27	WG1098514

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2400	B	102	1000	1	04/14/2018 14:05	WG1098241

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	15000		15.0	100	1	04/16/2018 00:15	WG1097160
Manganese	795		0.250	5.00	1	04/16/2018 00:15	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/14/2018 01:24	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-122*		*04/14/2018 01:24*	WG1097878

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	261		0.287	0.678	1	04/17/2018 14:18	WG1099029
Ethane	U		0.296	1.29	1	04/17/2018 14:18	WG1099029
Ethene	U		0.422	1.27	1	04/17/2018 14:18	WG1099029

JC 5/9/2018

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.13 U	J J0	1.05	25.0	1	04/13/2018 20:26	WG1097806
Acrylonitrile	U UJ	J0	0.873	5.00	1	04/13/2018 20:26	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 20:26	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 20:26	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 20:26	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 20:26	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 20:26	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 20:26	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 20:26	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 20:26	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 20:26	WG1097806
Carbon disulfide	0.699 J+		0.101	0.500	1	04/13/2018 20:26	WG1097806
Carbon tetrachloride	U UJ	J0	0.159	0.500	1	04/13/2018 20:26	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Chlorobenzene	U		0.140	0.500	1	04/13/2018 20:26	WG1097806	
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 20:26	WG1097806	
Chloroethane	U		0.141	2.50	1	04/13/2018 20:26	WG1097806	
Chloroform	U		0.0860	0.500	1	04/13/2018 20:26	WG1097806	
Chloromethane	U	UJ J0	0.153	1.25	1	04/13/2018 20:26	WG1097806	
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 20:26	WG1097806	
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 20:26	WG1097806	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 20:26	WG1097806	
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 20:26	WG1097806	
Dibromomethane	U		0.117	0.500	1	04/13/2018 20:26	WG1097806	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 20:26	WG1097806	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 20:26	WG1097806	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 20:26	WG1097806	
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 20:26	WG1097806	
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 20:26	WG1097806	
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 20:26	WG1097806	
1,1-Dichloroethene	0.355	J+ J	0.188	0.500	1	04/13/2018 20:26	WG1097806	JC 5/9/2018
cis-1,2-Dichloroethene	2.47	J+	0.0933	0.500	1	04/13/2018 20:26	WG1097806	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/13/2018 20:26	WG1097806	
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 20:26	WG1097806	
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 20:26	WG1097806	
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 20:26	WG1097806	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 20:26	WG1097806	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 20:26	WG1097806	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 20:26	WG1097806	
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 20:26	WG1097806	
Di-isopropyl ether	U	UJ J0	0.0924	0.500	1	04/13/2018 20:26	WG1097806	
Ethylbenzene	U		0.158	0.500	1	04/13/2018 20:26	WG1097806	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 20:26	WG1097806	
2-Hexanone	U	UJ J0	0.757	5.00	1	04/13/2018 20:26	WG1097806	
n-Hexane	U	UJ J0	0.305	5.00	1	04/13/2018 20:26	WG1097806	
Iodomethane	U		0.377	10.0	1	04/13/2018 20:26	WG1097806	
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 20:26	WG1097806	
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 20:26	WG1097806	
2-Butanone (MEK)	U	UJ J0	1.28	5.00	1	04/13/2018 20:26	WG1097806	
Methylene Chloride	U		1.07	2.50	1	04/13/2018 20:26	WG1097806	
4-Methyl-2-pentanone (MIBK)	U	UJ J0	0.823	5.00	1	04/13/2018 20:26	WG1097806	
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 20:26	WG1097806	
Naphthalene	U		0.174	2.50	1	04/13/2018 20:26	WG1097806	
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 20:26	WG1097806	
Styrene	0.178	J+ J J4	0.117	0.500	1	04/13/2018 20:26	WG1097806	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 20:26	WG1097806	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 20:26	WG1097806	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 20:26	WG1097806	
Tetrachloroethene	0.402	J+ J	0.199	0.500	1	04/13/2018 20:26	WG1097806	
Toluene	U		0.412	0.500	1	04/13/2018 20:26	WG1097806	
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 20:26	WG1097806	
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 20:26	WG1097806	
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 20:26	WG1097806	
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 20:26	WG1097806	
Trichloroethene	0.572	J+	0.153	0.500	1	04/13/2018 20:26	WG1097806	
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 20:26	WG1097806	
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 20:26	WG1097806	
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 20:26	WG1097806	
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 20:26	WG1097806	
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 20:26	WG1097806	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Vinyl acetate	U			0.645	5.00	1	04/13/2018 20:26	WG1097806
Vinyl chloride	0.246	J+	J	0.118	0.500	1	04/13/2018 20:26	WG1097806
Xylenes, Total	U			0.316	1.50	1	04/13/2018 20:26	WG1097806
(S) Toluene-d8	*93.6*				*80.0-120*		*04/13/2018 20:26*	WG1097806
(S) Dibromofluoromethane	*105*				*76.0-123*		*04/13/2018 20:26*	WG1097806
(S) 4-Bromofluorobenzene	*122*		J1		*80.0-120*		*04/13/2018 20:26*	WG1097806

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Wet Chemistry by Method 2320 B-2011

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Alkalinity	179000			2710	20000	1	04/14/2018 12:31	WG1097724

Sample Narrative:
L985379-04 WG1097724: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Chloride	9640			51.9	1000	1	04/15/2018 09:44	WG1098514
Nitrate	U	R	Q	22.7	100	1	04/15/2018 09:44	WG1098514
Sulfate	7490			77.4	5000	1	04/15/2018 09:44	WG1098514

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4300		102	1000	1	04/13/2018 21:51	WG1097606

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4610		15.0	100	1	04/15/2018 23:54	WG1097160
Manganese	556		0.250	5.00	1	04/15/2018 23:54	WG1097160

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	326	B	31.6	100	1	04/14/2018 01:46	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-122*		*04/14/2018 01:46*	WG1097878

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Methane	2690			0.287	0.678	1	04/18/2018 11:26	WG1099563
Ethane	3.29			0.296	1.29	1	04/18/2018 11:26	WG1099563
Ethene	0.869	J	J	0.422	1.27	1	04/18/2018 11:26	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Acetone	1.38	U	J J0	1.05	25.0	1	04/13/2018 20:46	WG1097806
Acrylonitrile	U	UJ	J0	0.873	5.00	1	04/13/2018 20:46	WG1097806
Benzene	U			0.0896	0.500	1	04/13/2018 20:46	WG1097806
Bromobenzene	U			0.133	0.500	1	04/13/2018 20:46	WG1097806
Bromodichloromethane	U			0.0800	0.500	1	04/13/2018 20:46	WG1097806
Bromochloromethane	U			0.145	0.500	1	04/13/2018 20:46	WG1097806
Bromoform	U			0.186	0.500	1	04/13/2018 20:46	WG1097806
Bromomethane	U			0.157	2.50	1	04/13/2018 20:46	WG1097806
n-Butylbenzene	U			0.143	0.500	1	04/13/2018 20:46	WG1097806
sec-Butylbenzene	U			0.134	0.500	1	04/13/2018 20:46	WG1097806
tert-Butylbenzene	U			0.183	0.500	1	04/13/2018 20:46	WG1097806
Carbon disulfide	U			0.101	0.500	1	04/13/2018 20:46	WG1097806
Carbon tetrachloride	U	UJ	J0	0.159	0.500	1	04/13/2018 20:46	WG1097806

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.140	0.500	1	04/13/2018 20:46	WG1097806
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 20:46	WG1097806
Chloroethane	U		0.141	2.50	1	04/13/2018 20:46	WG1097806
Chloroform	0.305 J+	J	0.0860	0.500	1	04/13/2018 20:46	WG1097806
Chloromethane	U UJ	J0	0.153	1.25	1	04/13/2018 20:46	WG1097806
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 20:46	WG1097806
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 20:46	WG1097806
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 20:46	WG1097806
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 20:46	WG1097806
Dibromomethane	U		0.117	0.500	1	04/13/2018 20:46	WG1097806
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 20:46	WG1097806
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 20:46	WG1097806
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 20:46	WG1097806
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 20:46	WG1097806
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 20:46	WG1097806
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 20:46	WG1097806
1,1-Dichloroethene	0.389 J+	J	0.188	0.500	1	04/13/2018 20:46	WG1097806
cis-1,2-Dichloroethene	91.6 J+		0.0933	0.500	1	04/13/2018 20:46	WG1097806
trans-1,2-Dichloroethene	5.68 J+		0.152	0.500	1	04/13/2018 20:46	WG1097806
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 20:46	WG1097806
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 20:46	WG1097806
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 20:46	WG1097806
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 20:46	WG1097806
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 20:46	WG1097806
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 20:46	WG1097806
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 20:46	WG1097806
Di-isopropyl ether	U UJ	J0	0.0924	0.500	1	04/13/2018 20:46	WG1097806
Ethylbenzene	U		0.158	0.500	1	04/13/2018 20:46	WG1097806
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 20:46	WG1097806
2-Hexanone	U UJ	J0	0.757	5.00	1	04/13/2018 20:46	WG1097806
n-Hexane	U UJ	J0	0.305	5.00	1	04/13/2018 20:46	WG1097806
Iodomethane	U		0.377	10.0	1	04/13/2018 20:46	WG1097806
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 20:46	WG1097806
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 20:46	WG1097806
2-Butanone (MEK)	U UJ	J0	1.28	5.00	1	04/13/2018 20:46	WG1097806
Methylene Chloride	U		1.07	2.50	1	04/13/2018 20:46	WG1097806
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.823	5.00	1	04/13/2018 20:46	WG1097806
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 20:46	WG1097806
Naphthalene	U		0.174	2.50	1	04/13/2018 20:46	WG1097806
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 20:46	WG1097806
Styrene	U	J4	0.117	0.500	1	04/13/2018 20:46	WG1097806
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 20:46	WG1097806
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 20:46	WG1097806
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 20:46	WG1097806
Tetrachloroethene	71.3 J+		0.199	0.500	1	04/13/2018 20:46	WG1097806
Toluene	U		0.412	0.500	1	04/13/2018 20:46	WG1097806
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 20:46	WG1097806
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 20:46	WG1097806
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 20:46	WG1097806
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 20:46	WG1097806
Trichloroethene	25.6 J+		0.153	0.500	1	04/13/2018 20:46	WG1097806
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 20:46	WG1097806
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 20:46	WG1097806
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 20:46	WG1097806
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 20:46	WG1097806
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 20:46	WG1097806

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/13/2018 20:46	WG1097806
Vinyl chloride	7.01	J+	0.118	0.500	1	04/13/2018 20:46	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 20:46	WG1097806
(S) Toluene-d8	*93.4*			*80.0-120*		*04/13/2018 20:46*	WG1097806
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/13/2018 20:46*	WG1097806
(S) 4-Bromofluorobenzene	*121*	J1		*80.0-120*		*04/13/2018 20:46*	WG1097806

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/13/2018 21:36	WG1097878
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-122*		*04/13/2018 21:36*	WG1097878

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.26 J	J J0	1.05	25.0	1	04/13/2018 15:06	WG1097806
Acrylonitrile	U UJ	J0	0.873	5.00	1	04/13/2018 15:06	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 15:06	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 15:06	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 15:06	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 15:06	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 15:06	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 15:06	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 15:06	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 15:06	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 15:06	WG1097806
Carbon disulfide	U		0.101	0.500	1	04/13/2018 15:06	WG1097806
Carbon tetrachloride	U UJ	J0	0.159	0.500	1	04/13/2018 15:06	WG1097806
Chlorobenzene	U		0.140	0.500	1	04/13/2018 15:06	WG1097806
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 15:06	WG1097806
Chloroethane	U		0.141	2.50	1	04/13/2018 15:06	WG1097806
Chloroform	U		0.0860	0.500	1	04/13/2018 15:06	WG1097806
Chloromethane	U UJ	J0	0.153	1.25	1	04/13/2018 15:06	WG1097806
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 15:06	WG1097806
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 15:06	WG1097806
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 15:06	WG1097806
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 15:06	WG1097806
Dibromomethane	U		0.117	0.500	1	04/13/2018 15:06	WG1097806
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 15:06	WG1097806
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 15:06	WG1097806
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 15:06	WG1097806
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 15:06	WG1097806
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 15:06	WG1097806
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 15:06	WG1097806
1,1-Dichloroethene	U		0.188	0.500	1	04/13/2018 15:06	WG1097806
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/13/2018 15:06	WG1097806
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/13/2018 15:06	WG1097806
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 15:06	WG1097806
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 15:06	WG1097806
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 15:06	WG1097806
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 15:06	WG1097806
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 15:06	WG1097806
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 15:06	WG1097806
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 15:06	WG1097806
Di-isopropyl ether	U UJ	J0	0.0924	0.500	1	04/13/2018 15:06	WG1097806
Ethylbenzene	U		0.158	0.500	1	04/13/2018 15:06	WG1097806
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 15:06	WG1097806
2-Hexanone	U UJ	J0	0.757	5.00	1	04/13/2018 15:06	WG1097806
n-Hexane	U UJ	J0	0.305	5.00	1	04/13/2018 15:06	WG1097806
Iodomethane	U		0.377	10.0	1	04/13/2018 15:06	WG1097806
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 15:06	WG1097806
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 15:06	WG1097806
2-Butanone (MEK)	U UJ	J0	1.28	5.00	1	04/13/2018 15:06	WG1097806

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U			1.07	2.50	1	04/13/2018 15:06	WG1097806
4-Methyl-2-pentanone (MIBK)	U	UJ	J0	0.823	5.00	1	04/13/2018 15:06	WG1097806
Methyl tert-butyl ether	U			0.102	0.500	1	04/13/2018 15:06	WG1097806
Naphthalene	U			0.174	2.50	1	04/13/2018 15:06	WG1097806
n-Propylbenzene	U			0.162	0.500	1	04/13/2018 15:06	WG1097806
Styrene	U		J4	0.117	0.500	1	04/13/2018 15:06	WG1097806
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/13/2018 15:06	WG1097806
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/13/2018 15:06	WG1097806
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/13/2018 15:06	WG1097806
Tetrachloroethene	U			0.199	0.500	1	04/13/2018 15:06	WG1097806
Toluene	U			0.412	0.500	1	04/13/2018 15:06	WG1097806
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/13/2018 15:06	WG1097806
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/13/2018 15:06	WG1097806
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/13/2018 15:06	WG1097806
1,1,2-Trichloroethane	U			0.186	0.500	1	04/13/2018 15:06	WG1097806
Trichloroethene	U			0.153	0.500	1	04/13/2018 15:06	WG1097806
Trichlorofluoromethane	U			0.130	2.50	1	04/13/2018 15:06	WG1097806
1,2,3-Trichloropropane	U			0.247	2.50	1	04/13/2018 15:06	WG1097806
1,2,4-Trimethylbenzene	U			0.123	0.500	1	04/13/2018 15:06	WG1097806
1,2,3-Trimethylbenzene	U			0.0739	0.500	1	04/13/2018 15:06	WG1097806
1,3,5-Trimethylbenzene	U			0.124	0.500	1	04/13/2018 15:06	WG1097806
Vinyl acetate	U			0.645	5.00	1	04/13/2018 15:06	WG1097806
Vinyl chloride	U			0.118	0.500	1	04/13/2018 15:06	WG1097806
Xylenes, Total	U			0.316	1.50	1	04/13/2018 15:06	WG1097806
(S) Toluene-d8	*93.3*				*80.0-120*		*04/13/2018 15:06*	WG1097806
(S) Dibromofluoromethane	*102*				*76.0-123*		*04/13/2018 15:06*	WG1097806
(S) 4-Bromofluorobenzene	*116*				*80.0-120*		*04/13/2018 15:06*	WG1097806

JC 5/9/2018

ANALYTICAL REPORT

May 01, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L985781
Samples Received:	04/14/2018
Project Number:	1413.001.05.601
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

SCS-2-041318 L985781-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/13/18 09:12 | Received date/time: 04/14/18 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098661	1	04/16/18 07:32	04/16/18 07:32	JHH

MW-8-041318 L985781-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/13/18 10:05 | Received date/time: 04/14/18 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098661	1	04/16/18 07:52	04/16/18 07:52	JHH

MW-124-041318 L985781-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/13/18 11:58 | Received date/time: 04/14/18 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1101238	1	04/20/18 22:32	04/20/18 22:32	MCG
Wet Chemistry by Method 9056A	WG1098249	1	04/15/18 00:18	04/15/18 00:18	DR
Wet Chemistry by Method 9060A	WG1098241	1	04/14/18 21:12	04/14/18 21:12	SJM
Metals (ICPMS) by Method 6020A	WG1098660	1	04/18/18 13:46	04/23/18 16:54	LAT
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1098558	1	04/15/18 18:16	04/15/18 18:16	JAH
Volatile Organic Compounds (GC) by Method RSK175	WG1099563	1	04/18/18 11:36	04/18/18 11:36	AMC
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098661	1	04/16/18 08:12	04/16/18 08:12	JHH

MW-142-5 L985781-04 Solid

Collected by: Jeff Dobbins | Collected date/time: 04/12/18 11:53 | Received date/time: 04/14/18 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1099014	1	04/17/18 13:32	04/17/18 13:49	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098715	1	04/14/18 16:25	04/16/18 19:13	LRL

W-MW-01-041318 L985781-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/13/18 09:11 | Received date/time: 04/14/18 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1101238	1	04/20/18 22:40	04/20/18 22:40	MCG
Wet Chemistry by Method 9056A	WG1098249	1	04/15/18 00:34	04/15/18 00:34	DR
Wet Chemistry by Method 9060A	WG1098960	2	04/17/18 11:36	04/17/18 11:36	EG
Metals (ICPMS) by Method 6020A	WG1098660	1	04/18/18 13:46	04/23/18 17:00	LAT
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1098558	1	04/15/18 18:40	04/15/18 18:40	JAH
Volatile Organic Compounds (GC) by Method RSK175	WG1099563	1	04/18/18 11:43	04/18/18 11:43	AMC
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098661	1	04/19/18 12:44	04/19/18 12:44	RAS
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098661-4	1	04/18/18 01:05	04/18/18 01:05	LRL

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	24.1	J J0	1.05	25.0	1	04/16/2018 07:32	WG1098661
Acrylonitrile	U		0.873	5.00	1	04/16/2018 07:32	WG1098661
Benzene	44.3		0.0896	0.500	1	04/16/2018 07:32	WG1098661
Bromobenzene	U		0.133	0.500	1	04/16/2018 07:32	WG1098661
Bromodichloromethane	U		0.0800	0.500	1	04/16/2018 07:32	WG1098661
Bromochloromethane	U		0.145	0.500	1	04/16/2018 07:32	WG1098661
Bromoform	U		0.186	0.500	1	04/16/2018 07:32	WG1098661
Bromomethane	U		0.157	2.50	1	04/16/2018 07:32	WG1098661
n-Butylbenzene	U		0.143	0.500	1	04/16/2018 07:32	WG1098661
sec-Butylbenzene	2.09		0.134	0.500	1	04/16/2018 07:32	WG1098661
tert-Butylbenzene	U		0.183	0.500	1	04/16/2018 07:32	WG1098661
Carbon disulfide	U		0.101	0.500	1	04/16/2018 07:32	WG1098661
Carbon tetrachloride	U		0.159	0.500	1	04/16/2018 07:32	WG1098661
Chlorobenzene	U		0.140	0.500	1	04/16/2018 07:32	WG1098661
Chlorodibromomethane	U		0.128	0.500	1	04/16/2018 07:32	WG1098661
Chloroethane	U		0.141	2.50	1	04/16/2018 07:32	WG1098661
Chloroform	U		0.0860	0.500	1	04/16/2018 07:32	WG1098661
Chloromethane	U		0.153	1.25	1	04/16/2018 07:32	WG1098661
2-Chlorotoluene	U		0.111	0.500	1	04/16/2018 07:32	WG1098661
4-Chlorotoluene	U		0.0972	0.500	1	04/16/2018 07:32	WG1098661
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/16/2018 07:32	WG1098661
1,2-Dibromoethane	U		0.193	0.500	1	04/16/2018 07:32	WG1098661
Dibromomethane	U		0.117	0.500	1	04/16/2018 07:32	WG1098661
1,2-Dichlorobenzene	U		0.101	0.500	1	04/16/2018 07:32	WG1098661
1,3-Dichlorobenzene	U		0.130	0.500	1	04/16/2018 07:32	WG1098661
1,4-Dichlorobenzene	U		0.121	0.500	1	04/16/2018 07:32	WG1098661
Dichlorodifluoromethane	U		0.127	2.50	1	04/16/2018 07:32	WG1098661
1,1-Dichloroethane	U		0.114	0.500	1	04/16/2018 07:32	WG1098661
1,2-Dichloroethane	U		0.108	0.500	1	04/16/2018 07:32	WG1098661
1,1-Dichloroethene	U		0.188	0.500	1	04/16/2018 07:32	WG1098661
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/16/2018 07:32	WG1098661
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/16/2018 07:32	WG1098661
1,2-Dichloropropane	U		0.190	0.500	1	04/16/2018 07:32	WG1098661
1,1-Dichloropropene	U		0.128	0.500	1	04/16/2018 07:32	WG1098661
1,3-Dichloropropane	U		0.147	1.00	1	04/16/2018 07:32	WG1098661
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/16/2018 07:32	WG1098661
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/16/2018 07:32	WG1098661
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/16/2018 07:32	WG1098661
2,2-Dichloropropane	U		0.0929	0.500	1	04/16/2018 07:32	WG1098661
Di-isopropyl ether	0.759		0.0924	0.500	1	04/16/2018 07:32	WG1098661
Ethylbenzene	37.3		0.158	0.500	1	04/16/2018 07:32	WG1098661
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/16/2018 07:32	WG1098661
2-Hexanone	U		0.757	5.00	1	04/16/2018 07:32	WG1098661
n-Hexane	12.5	J0	0.305	5.00	1	04/16/2018 07:32	WG1098661
Iodomethane	U		0.377	10.0	1	04/16/2018 07:32	WG1098661
Isopropylbenzene	15.6		0.126	0.500	1	04/16/2018 07:32	WG1098661
p-Isopropyltoluene	0.547		0.138	0.500	1	04/16/2018 07:32	WG1098661
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/16/2018 07:32	WG1098661
Methylene Chloride	U		1.07	2.50	1	04/16/2018 07:32	WG1098661
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/16/2018 07:32	WG1098661
Methyl tert-butyl ether	U		0.102	0.500	1	04/16/2018 07:32	WG1098661
Naphthalene	21.2		0.174	2.50	1	04/16/2018 07:32	WG1098661
n-Propylbenzene	23.8		0.162	0.500	1	04/16/2018 07:32	WG1098661
Styrene	U		0.117	0.500	1	04/16/2018 07:32	WG1098661
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/16/2018 07:32	WG1098661
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/16/2018 07:32	WG1098661

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/16/2018 07:32	WG1098661
Tetrachloroethene	U		0.199	0.500	1	04/16/2018 07:32	WG1098661
Toluene	5.18		0.412	0.500	1	04/16/2018 07:32	WG1098661
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/16/2018 07:32	WG1098661
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/16/2018 07:32	WG1098661
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/16/2018 07:32	WG1098661
1,1,2-Trichloroethane	U		0.186	0.500	1	04/16/2018 07:32	WG1098661
Trichloroethene	U		0.153	0.500	1	04/16/2018 07:32	WG1098661
Trichlorofluoromethane	U		0.130	2.50	1	04/16/2018 07:32	WG1098661
1,2,3-Trichloropropane	U		0.247	2.50	1	04/16/2018 07:32	WG1098661
1,2,4-Trimethylbenzene	23.3		0.123	0.500	1	04/16/2018 07:32	WG1098661
1,2,3-Trimethylbenzene	12.5		0.0739	0.500	1	04/16/2018 07:32	WG1098661
1,3,5-Trimethylbenzene	2.65		0.124	0.500	1	04/16/2018 07:32	WG1098661
Vinyl acetate	U	J0	0.645	5.00	1	04/16/2018 07:32	WG1098661
Vinyl chloride	U		0.118	0.500	1	04/16/2018 07:32	WG1098661
Xylenes, Total	47.7		0.316	1.50	1	04/16/2018 07:32	WG1098661
(S) Toluene-d8	*114*			*80.0-120*		*04/16/2018 07:32*	WG1098661
(S) Dibromofluoromethane	*99.4*			*76.0-123*		*04/16/2018 07:32*	WG1098661
(S) 4-Bromofluorobenzene	*98.7*			*80.0-120*		*04/16/2018 07:32*	WG1098661

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.85	J J0	1.05	25.0	1	04/16/2018 07:52	WG1098661
Acrylonitrile	U		0.873	5.00	1	04/16/2018 07:52	WG1098661
Benzene	U		0.0896	0.500	1	04/16/2018 07:52	WG1098661
Bromobenzene	U		0.133	0.500	1	04/16/2018 07:52	WG1098661
Bromodichloromethane	U		0.0800	0.500	1	04/16/2018 07:52	WG1098661
Bromochloromethane	U		0.145	0.500	1	04/16/2018 07:52	WG1098661
Bromoform	U		0.186	0.500	1	04/16/2018 07:52	WG1098661
Bromomethane	U		0.157	2.50	1	04/16/2018 07:52	WG1098661
n-Butylbenzene	U		0.143	0.500	1	04/16/2018 07:52	WG1098661
sec-Butylbenzene	U		0.134	0.500	1	04/16/2018 07:52	WG1098661
tert-Butylbenzene	U		0.183	0.500	1	04/16/2018 07:52	WG1098661
Carbon disulfide	U		0.101	0.500	1	04/16/2018 07:52	WG1098661
Carbon tetrachloride	U		0.159	0.500	1	04/16/2018 07:52	WG1098661
Chlorobenzene	U		0.140	0.500	1	04/16/2018 07:52	WG1098661
Chlorodibromomethane	U		0.128	0.500	1	04/16/2018 07:52	WG1098661
Chloroethane	U		0.141	2.50	1	04/16/2018 07:52	WG1098661
Chloroform	U		0.0860	0.500	1	04/16/2018 07:52	WG1098661
Chloromethane	U		0.153	1.25	1	04/16/2018 07:52	WG1098661
2-Chlorotoluene	U		0.111	0.500	1	04/16/2018 07:52	WG1098661
4-Chlorotoluene	U		0.0972	0.500	1	04/16/2018 07:52	WG1098661
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/16/2018 07:52	WG1098661
1,2-Dibromoethane	U		0.193	0.500	1	04/16/2018 07:52	WG1098661
Dibromomethane	U		0.117	0.500	1	04/16/2018 07:52	WG1098661
1,2-Dichlorobenzene	U		0.101	0.500	1	04/16/2018 07:52	WG1098661
1,3-Dichlorobenzene	U		0.130	0.500	1	04/16/2018 07:52	WG1098661
1,4-Dichlorobenzene	U		0.121	0.500	1	04/16/2018 07:52	WG1098661
Dichlorodifluoromethane	U		0.127	2.50	1	04/16/2018 07:52	WG1098661
1,1-Dichloroethane	U		0.114	0.500	1	04/16/2018 07:52	WG1098661
1,2-Dichloroethane	U		0.108	0.500	1	04/16/2018 07:52	WG1098661
1,1-Dichloroethene	U		0.188	0.500	1	04/16/2018 07:52	WG1098661
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/16/2018 07:52	WG1098661
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/16/2018 07:52	WG1098661
1,2-Dichloropropane	U		0.190	0.500	1	04/16/2018 07:52	WG1098661
1,1-Dichloropropene	U		0.128	0.500	1	04/16/2018 07:52	WG1098661
1,3-Dichloropropane	U		0.147	1.00	1	04/16/2018 07:52	WG1098661
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/16/2018 07:52	WG1098661
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/16/2018 07:52	WG1098661
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/16/2018 07:52	WG1098661
2,2-Dichloropropane	U		0.0929	0.500	1	04/16/2018 07:52	WG1098661
Di-isopropyl ether	U		0.0924	0.500	1	04/16/2018 07:52	WG1098661
Ethylbenzene	U		0.158	0.500	1	04/16/2018 07:52	WG1098661
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/16/2018 07:52	WG1098661
2-Hexanone	U		0.757	5.00	1	04/16/2018 07:52	WG1098661
n-Hexane	U	J0	0.305	5.00	1	04/16/2018 07:52	WG1098661
Iodomethane	U		0.377	10.0	1	04/16/2018 07:52	WG1098661
Isopropylbenzene	U		0.126	0.500	1	04/16/2018 07:52	WG1098661
p-Isopropyltoluene	U		0.138	0.500	1	04/16/2018 07:52	WG1098661
2-Butanone (MEK)	U		1.28	5.00	1	04/16/2018 07:52	WG1098661
Methylene Chloride	U		1.07	2.50	1	04/16/2018 07:52	WG1098661
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/16/2018 07:52	WG1098661
Methyl tert-butyl ether	U		0.102	0.500	1	04/16/2018 07:52	WG1098661
Naphthalene	0.341	J	0.174	2.50	1	04/16/2018 07:52	WG1098661
n-Propylbenzene	U		0.162	0.500	1	04/16/2018 07:52	WG1098661
Styrene	U		0.117	0.500	1	04/16/2018 07:52	WG1098661
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/16/2018 07:52	WG1098661
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/16/2018 07:52	WG1098661

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/16/2018 07:52	WG1098661
Tetrachloroethene	0.570		0.199	0.500	1	04/16/2018 07:52	WG1098661
Toluene	U		0.412	0.500	1	04/16/2018 07:52	WG1098661
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/16/2018 07:52	WG1098661
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/16/2018 07:52	WG1098661
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/16/2018 07:52	WG1098661
1,1,2-Trichloroethane	U		0.186	0.500	1	04/16/2018 07:52	WG1098661
Trichloroethene	U		0.153	0.500	1	04/16/2018 07:52	WG1098661
Trichlorofluoromethane	U		0.130	2.50	1	04/16/2018 07:52	WG1098661
1,2,3-Trichloropropane	U		0.247	2.50	1	04/16/2018 07:52	WG1098661
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/16/2018 07:52	WG1098661
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/16/2018 07:52	WG1098661
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/16/2018 07:52	WG1098661
Vinyl acetate	U	J0	0.645	5.00	1	04/16/2018 07:52	WG1098661
Vinyl chloride	U		0.118	0.500	1	04/16/2018 07:52	WG1098661
Xylenes, Total	U		0.316	1.50	1	04/16/2018 07:52	WG1098661
(S) Toluene-d8	*101*			*80.0-120*		*04/16/2018 07:52*	WG1098661
(S) Dibromofluoromethane	*99.4*			*76.0-123*		*04/16/2018 07:52*	WG1098661
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/16/2018 07:52*	WG1098661

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	162000		2710	20000	1	04/20/2018 22:32	WG1101238

Sample Narrative:

L985781-03 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	4470		51.9	1000	1	04/15/2018 00:18	WG1098249
Nitrate	U		22.7	100	1	04/15/2018 00:18	WG1098249
Sulfate	458	J	77.4	5000	1	04/15/2018 00:18	WG1098249

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2450	B	102	1000	1	04/14/2018 21:12	WG1098241

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	20100		15.0	100	1	04/23/2018 16:54	WG1098660
Manganese	757		0.250	5.00	1	04/23/2018 16:54	WG1098660

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	39.4	B J	31.6	100	1	04/15/2018 18:16	WG1098558
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-122*		*04/15/2018 18:16*	WG1098558

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	24.6		0.287	0.678	1	04/18/2018 11:36	WG1099563
Ethane	U		0.296	1.29	1	04/18/2018 11:36	WG1099563
Ethene	U		0.422	1.27	1	04/18/2018 11:36	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.58	J JO	1.05	25.0	1	04/16/2018 08:12	WG1098661
Acrylonitrile	U		0.873	5.00	1	04/16/2018 08:12	WG1098661
Benzene	U		0.0896	0.500	1	04/16/2018 08:12	WG1098661
Bromobenzene	U		0.133	0.500	1	04/16/2018 08:12	WG1098661
Bromodichloromethane	U		0.0800	0.500	1	04/16/2018 08:12	WG1098661
Bromochloromethane	U		0.145	0.500	1	04/16/2018 08:12	WG1098661
Bromoform	U		0.186	0.500	1	04/16/2018 08:12	WG1098661
Bromomethane	U		0.157	2.50	1	04/16/2018 08:12	WG1098661
n-Butylbenzene	U		0.143	0.500	1	04/16/2018 08:12	WG1098661
sec-Butylbenzene	U		0.134	0.500	1	04/16/2018 08:12	WG1098661
tert-Butylbenzene	U		0.183	0.500	1	04/16/2018 08:12	WG1098661
Carbon disulfide	U		0.101	0.500	1	04/16/2018 08:12	WG1098661
Carbon tetrachloride	U		0.159	0.500	1	04/16/2018 08:12	WG1098661

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/16/2018 08:12	WG1098661
Chlorodibromomethane	U		0.128	0.500	1	04/16/2018 08:12	WG1098661
Chloroethane	U		0.141	2.50	1	04/16/2018 08:12	WG1098661
Chloroform	0.224	J	0.0860	0.500	1	04/16/2018 08:12	WG1098661
Chloromethane	U		0.153	1.25	1	04/16/2018 08:12	WG1098661
2-Chlorotoluene	U		0.111	0.500	1	04/16/2018 08:12	WG1098661
4-Chlorotoluene	U		0.0972	0.500	1	04/16/2018 08:12	WG1098661
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/16/2018 08:12	WG1098661
1,2-Dibromoethane	U		0.193	0.500	1	04/16/2018 08:12	WG1098661
Dibromomethane	U		0.117	0.500	1	04/16/2018 08:12	WG1098661
1,2-Dichlorobenzene	U		0.101	0.500	1	04/16/2018 08:12	WG1098661
1,3-Dichlorobenzene	U		0.130	0.500	1	04/16/2018 08:12	WG1098661
1,4-Dichlorobenzene	U		0.121	0.500	1	04/16/2018 08:12	WG1098661
Dichlorodifluoromethane	U		0.127	2.50	1	04/16/2018 08:12	WG1098661
1,1-Dichloroethane	U		0.114	0.500	1	04/16/2018 08:12	WG1098661
1,2-Dichloroethane	U		0.108	0.500	1	04/16/2018 08:12	WG1098661
1,1-Dichloroethene	U		0.188	0.500	1	04/16/2018 08:12	WG1098661
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/16/2018 08:12	WG1098661
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/16/2018 08:12	WG1098661
1,2-Dichloropropane	U		0.190	0.500	1	04/16/2018 08:12	WG1098661
1,1-Dichloropropene	U		0.128	0.500	1	04/16/2018 08:12	WG1098661
1,3-Dichloropropane	U		0.147	1.00	1	04/16/2018 08:12	WG1098661
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/16/2018 08:12	WG1098661
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/16/2018 08:12	WG1098661
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/16/2018 08:12	WG1098661
2,2-Dichloropropane	U		0.0929	0.500	1	04/16/2018 08:12	WG1098661
Di-isopropyl ether	U		0.0924	0.500	1	04/16/2018 08:12	WG1098661
Ethylbenzene	U		0.158	0.500	1	04/16/2018 08:12	WG1098661
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/16/2018 08:12	WG1098661
2-Hexanone	U		0.757	5.00	1	04/16/2018 08:12	WG1098661
n-Hexane	U	J0	0.305	5.00	1	04/16/2018 08:12	WG1098661
Iodomethane	U		0.377	10.0	1	04/16/2018 08:12	WG1098661
Isopropylbenzene	U		0.126	0.500	1	04/16/2018 08:12	WG1098661
p-Isopropyltoluene	U		0.138	0.500	1	04/16/2018 08:12	WG1098661
2-Butanone (MEK)	U		1.28	5.00	1	04/16/2018 08:12	WG1098661
Methylene Chloride	U		1.07	2.50	1	04/16/2018 08:12	WG1098661
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/16/2018 08:12	WG1098661
Methyl tert-butyl ether	U		0.102	0.500	1	04/16/2018 08:12	WG1098661
Naphthalene	U		0.174	2.50	1	04/16/2018 08:12	WG1098661
n-Propylbenzene	U		0.162	0.500	1	04/16/2018 08:12	WG1098661
Styrene	U		0.117	0.500	1	04/16/2018 08:12	WG1098661
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/16/2018 08:12	WG1098661
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/16/2018 08:12	WG1098661
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/16/2018 08:12	WG1098661
Tetrachloroethene	U		0.199	0.500	1	04/16/2018 08:12	WG1098661
Toluene	U		0.412	0.500	1	04/16/2018 08:12	WG1098661
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/16/2018 08:12	WG1098661
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/16/2018 08:12	WG1098661
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/16/2018 08:12	WG1098661
1,1,2-Trichloroethane	U		0.186	0.500	1	04/16/2018 08:12	WG1098661
Trichloroethene	U		0.153	0.500	1	04/16/2018 08:12	WG1098661
Trichlorofluoromethane	U		0.130	2.50	1	04/16/2018 08:12	WG1098661
1,2,3-Trichloropropane	U		0.247	2.50	1	04/16/2018 08:12	WG1098661
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/16/2018 08:12	WG1098661
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/16/2018 08:12	WG1098661
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/16/2018 08:12	WG1098661

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/16/2018 08:12	WG1098661
Vinyl chloride	U		0.118	0.500	1	04/16/2018 08:12	WG1098661
Xylenes, Total	U		0.316	1.50	1	04/16/2018 08:12	WG1098661
(S) Toluene-d8	*101*			*80.0-120*		*04/16/2018 08:12*	WG1098661
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/16/2018 08:12*	WG1098661
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*04/16/2018 08:12*	WG1098661

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.1		1	04/17/2018 13:49	WG1099014

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0120	0.0602	1	04/16/2018 19:13	WG1098715
Acrylonitrile	U		0.00215	0.0120	1	04/16/2018 19:13	WG1098715
Benzene	0.000392	J	0.000325	0.00120	1	04/16/2018 19:13	WG1098715
Bromobenzene	U		0.000342	0.00120	1	04/16/2018 19:13	WG1098715
Bromodichloromethane	U		0.000306	0.00120	1	04/16/2018 19:13	WG1098715
Bromochloromethane	U		0.000469	0.00602	1	04/16/2018 19:13	WG1098715
Bromoform	U		0.000510	0.00120	1	04/16/2018 19:13	WG1098715
Bromomethane	U		0.00161	0.00602	1	04/16/2018 19:13	WG1098715
n-Butylbenzene	U		0.000310	0.00120	1	04/16/2018 19:13	WG1098715
sec-Butylbenzene	U		0.000242	0.00120	1	04/16/2018 19:13	WG1098715
tert-Butylbenzene	U		0.000248	0.00120	1	04/16/2018 19:13	WG1098715
Carbon disulfide	U		0.000266	0.00120	1	04/16/2018 19:13	WG1098715
Carbon tetrachloride	U		0.000395	0.00120	1	04/16/2018 19:13	WG1098715
Chlorobenzene	U		0.000255	0.00120	1	04/16/2018 19:13	WG1098715
Chlorodibromomethane	U		0.000449	0.00120	1	04/16/2018 19:13	WG1098715
Chloroethane	U		0.00114	0.00602	1	04/16/2018 19:13	WG1098715
Chloroform	U		0.000276	0.00602	1	04/16/2018 19:13	WG1098715
Chloromethane	U		0.000451	0.00301	1	04/16/2018 19:13	WG1098715
2-Chlorotoluene	U		0.000362	0.00120	1	04/16/2018 19:13	WG1098715
4-Chlorotoluene	U		0.000289	0.00120	1	04/16/2018 19:13	WG1098715
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00602	1	04/16/2018 19:13	WG1098715
1,2-Dibromoethane	U		0.000413	0.00120	1	04/16/2018 19:13	WG1098715
Dibromomethane	U		0.000460	0.00120	1	04/16/2018 19:13	WG1098715
1,2-Dichlorobenzene	U		0.000367	0.00120	1	04/16/2018 19:13	WG1098715
1,3-Dichlorobenzene	U		0.000288	0.00120	1	04/16/2018 19:13	WG1098715
1,4-Dichlorobenzene	U		0.000272	0.00120	1	04/16/2018 19:13	WG1098715
Dichlorodifluoromethane	U	J0	0.000858	0.00602	1	04/16/2018 19:13	WG1098715
1,1-Dichloroethane	U		0.000239	0.00120	1	04/16/2018 19:13	WG1098715
1,2-Dichloroethane	U		0.000319	0.00120	1	04/16/2018 19:13	WG1098715
1,1-Dichloroethene	U		0.000365	0.00120	1	04/16/2018 19:13	WG1098715
cis-1,2-Dichloroethene	U		0.000283	0.00120	1	04/16/2018 19:13	WG1098715
trans-1,2-Dichloroethene	U		0.000318	0.00120	1	04/16/2018 19:13	WG1098715
1,2-Dichloropropane	U		0.000431	0.00120	1	04/16/2018 19:13	WG1098715
1,1-Dichloropropene	U		0.000381	0.00120	1	04/16/2018 19:13	WG1098715
1,3-Dichloropropane	U		0.000249	0.00120	1	04/16/2018 19:13	WG1098715
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	04/16/2018 19:13	WG1098715
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	04/16/2018 19:13	WG1098715
trans-1,4-Dichloro-2-butene	U		0.000936	0.00301	1	04/16/2018 19:13	WG1098715
2,2-Dichloropropane	U		0.000336	0.00120	1	04/16/2018 19:13	WG1098715
Di-isopropyl ether	U		0.000298	0.00120	1	04/16/2018 19:13	WG1098715
Ethylbenzene	U		0.000357	0.00120	1	04/16/2018 19:13	WG1098715
Hexachloro-1,3-butadiene	U		0.000412	0.00120	1	04/16/2018 19:13	WG1098715
2-Hexanone	U		0.00165	0.0120	1	04/16/2018 19:13	WG1098715
n-Hexane	U		0.000349	0.0120	1	04/16/2018 19:13	WG1098715
Iodomethane	U		0.00304	0.0120	1	04/16/2018 19:13	WG1098715
Isopropylbenzene	U		0.000292	0.00120	1	04/16/2018 19:13	WG1098715
p-Isopropyltoluene	U		0.000245	0.00120	1	04/16/2018 19:13	WG1098715
2-Butanone (MEK)	U		0.00563	0.0120	1	04/16/2018 19:13	WG1098715
Methylene Chloride	U		0.00120	0.00602	1	04/16/2018 19:13	WG1098715
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	04/16/2018 19:13	WG1098715

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	04/16/2018 19:13	WG1098715
Naphthalene	U		0.00120	0.00602	1	04/16/2018 19:13	WG1098715
n-Propylbenzene	U		0.000248	0.00120	1	04/16/2018 19:13	WG1098715
Styrene	U		0.000282	0.00120	1	04/16/2018 19:13	WG1098715
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	04/16/2018 19:13	WG1098715
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	04/16/2018 19:13	WG1098715
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	04/16/2018 19:13	WG1098715
Tetrachloroethene	U		0.000332	0.00120	1	04/16/2018 19:13	WG1098715
Toluene	U		0.000522	0.00602	1	04/16/2018 19:13	WG1098715
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	04/16/2018 19:13	WG1098715
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	04/16/2018 19:13	WG1098715
1,1,1-Trichloroethane	U		0.000344	0.00120	1	04/16/2018 19:13	WG1098715
1,1,2-Trichloroethane	U		0.000333	0.00120	1	04/16/2018 19:13	WG1098715
Trichloroethene	U		0.000336	0.00120	1	04/16/2018 19:13	WG1098715
Trichlorofluoromethane	U		0.000460	0.00602	1	04/16/2018 19:13	WG1098715
1,2,3-Trichloropropane	U		0.000892	0.00301	1	04/16/2018 19:13	WG1098715
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	04/16/2018 19:13	WG1098715
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	04/16/2018 19:13	WG1098715
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	04/16/2018 19:13	WG1098715
Vinyl acetate	U		0.00288	0.0120	1	04/16/2018 19:13	WG1098715
Vinyl chloride	U		0.000350	0.00120	1	04/16/2018 19:13	WG1098715
Xylenes, Total	U		0.000840	0.00361	1	04/16/2018 19:13	WG1098715
(S) Toluene-d8	*101*			*80.0-120*		*04/16/2018 19:13*	WG1098715
(S) Dibromofluoromethane	*94.8*			*74.0-131*		*04/16/2018 19:13*	WG1098715
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/16/2018 19:13*	WG1098715

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	214000		2710	20000	1	04/20/2018 22:40	WG1101238

Sample Narrative:

L985781-05 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	26800		51.9	1000	1	04/15/2018 00:34	WG1098249
Nitrate	U		22.7	100	1	04/15/2018 00:34	WG1098249
Sulfate	61400		77.4	5000	1	04/15/2018 00:34	WG1098249

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2950	B	204	2000	2	04/17/2018 11:36	WG1098960

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	20400		15.0	100	1	04/23/2018 17:00	WG1098660
Manganese	717		0.250	5.00	1	04/23/2018 17:00	WG1098660

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	37.6	B J	31.6	100	1	04/15/2018 18:40	WG1098558
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-122*		*04/15/2018 18:40*	WG1098558

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	702		0.287	0.678	1	04/18/2018 11:43	WG1099563
Ethane	5.81		0.296	1.29	1	04/18/2018 11:43	WG1099563
Ethene	7.55		0.422	1.27	1	04/18/2018 11:43	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.20	J	1.05	25.0	1	04/18/2018 01:05	WG1098661-4
Acrylonitrile	U		0.873	5.00	1	04/18/2018 01:05	WG1098661-4
Benzene	U		0.0896	0.500	1	04/18/2018 01:05	WG1098661-4
Bromobenzene	U		0.133	0.500	1	04/18/2018 01:05	WG1098661-4
Bromodichloromethane	U		0.0800	0.500	1	04/18/2018 01:05	WG1098661-4
Bromochloromethane	U		0.145	0.500	1	04/18/2018 01:05	WG1098661-4
Bromoform	U		0.186	0.500	1	04/18/2018 01:05	WG1098661-4
Bromomethane	U		0.157	2.50	1	04/18/2018 01:05	WG1098661-4
n-Butylbenzene	U		0.143	0.500	1	04/18/2018 01:05	WG1098661-4
sec-Butylbenzene	U		0.134	0.500	1	04/18/2018 01:05	WG1098661-4
tert-Butylbenzene	U		0.183	0.500	1	04/18/2018 01:05	WG1098661-4
Carbon disulfide	0.184	J	0.101	0.500	1	04/19/2018 12:44	WG1098661
Carbon tetrachloride	U		0.159	0.500	1	04/18/2018 01:05	WG1098661-4

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/18/2018 01:05	WG1098661-4
Chlorodibromomethane	U		0.128	0.500	1	04/18/2018 01:05	WG1098661-4
Chloroethane	U		0.141	2.50	1	04/18/2018 01:05	WG1098661-4
Chloroform	U		0.0860	0.500	1	04/18/2018 01:05	WG1098661-4
Chloromethane	U		0.153	1.25	1	04/18/2018 01:05	WG1098661-4
2-Chlorotoluene	U		0.111	0.500	1	04/18/2018 01:05	WG1098661-4
4-Chlorotoluene	U		0.0972	0.500	1	04/18/2018 01:05	WG1098661-4
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/18/2018 01:05	WG1098661-4
1,2-Dibromoethane	U		0.193	0.500	1	04/18/2018 01:05	WG1098661-4
Dibromomethane	U		0.117	0.500	1	04/18/2018 01:05	WG1098661-4
1,2-Dichlorobenzene	U		0.101	0.500	1	04/18/2018 01:05	WG1098661-4
1,3-Dichlorobenzene	U		0.130	0.500	1	04/18/2018 01:05	WG1098661-4
1,4-Dichlorobenzene	U		0.121	0.500	1	04/18/2018 01:05	WG1098661-4
Dichlorodifluoromethane	U		0.127	2.50	1	04/18/2018 01:05	WG1098661-4
1,1-Dichloroethane	U		0.114	0.500	1	04/18/2018 01:05	WG1098661-4
1,2-Dichloroethane	U		0.108	0.500	1	04/18/2018 01:05	WG1098661-4
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2018 01:05	WG1098661-4
cis-1,2-Dichloroethene	1.31		0.0933	0.500	1	04/18/2018 01:05	WG1098661-4
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/18/2018 01:05	WG1098661-4
1,2-Dichloropropane	U		0.190	0.500	1	04/18/2018 01:05	WG1098661-4
1,1-Dichloropropene	U		0.128	0.500	1	04/18/2018 01:05	WG1098661-4
1,3-Dichloropropane	U		0.147	1.00	1	04/18/2018 01:05	WG1098661-4
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/18/2018 01:05	WG1098661-4
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/18/2018 01:05	WG1098661-4
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/18/2018 01:05	WG1098661-4
2,2-Dichloropropane	U		0.0929	0.500	1	04/18/2018 01:05	WG1098661-4
Di-isopropyl ether	U		0.0924	0.500	1	04/18/2018 01:05	WG1098661-4
Ethylbenzene	U		0.158	0.500	1	04/18/2018 01:05	WG1098661-4
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/18/2018 01:05	WG1098661-4
2-Hexanone	U		0.757	5.00	1	04/18/2018 01:05	WG1098661-4
n-Hexane	U		0.305	5.00	1	04/18/2018 01:05	WG1098661-4
Iodomethane	U		0.377	10.0	1	04/18/2018 01:05	WG1098661-4
Isopropylbenzene	U		0.126	0.500	1	04/18/2018 01:05	WG1098661-4
p-Isopropyltoluene	U		0.138	0.500	1	04/18/2018 01:05	WG1098661-4
2-Butanone (MEK)	U		1.28	5.00	1	04/18/2018 01:05	WG1098661-4
Methylene Chloride	U		1.07	2.50	1	04/18/2018 01:05	WG1098661-4
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/18/2018 01:05	WG1098661-4
Methyl tert-butyl ether	U		0.102	0.500	1	04/18/2018 01:05	WG1098661-4
Naphthalene	U		0.174	2.50	1	04/18/2018 01:05	WG1098661-4
n-Propylbenzene	U		0.162	0.500	1	04/18/2018 01:05	WG1098661-4
Styrene	U		0.117	0.500	1	04/18/2018 01:05	WG1098661-4
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/18/2018 01:05	WG1098661-4
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/18/2018 01:05	WG1098661-4
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/18/2018 01:05	WG1098661-4
Tetrachloroethene	5.33		0.199	0.500	1	04/18/2018 01:05	WG1098661-4
Toluene	U		0.412	0.500	1	04/18/2018 01:05	WG1098661-4
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2018 01:05	WG1098661-4
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/18/2018 01:05	WG1098661-4
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/18/2018 01:05	WG1098661-4
1,1,2-Trichloroethane	U		0.186	0.500	1	04/18/2018 01:05	WG1098661-4
Trichloroethene	1.68		0.153	0.500	1	04/18/2018 01:05	WG1098661-4
Trichlorofluoromethane	U		0.130	2.50	1	04/18/2018 01:05	WG1098661-4
1,2,3-Trichloropropane	U		0.247	2.50	1	04/18/2018 01:05	WG1098661-4
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/18/2018 01:05	WG1098661-4
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/18/2018 01:05	WG1098661-4
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/18/2018 01:05	WG1098661-4

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/18/2018 01:05	WG1098661-4
Vinyl chloride	8.79		0.118	0.500	1	04/18/2018 01:05	WG1098661-4
Xylenes, Total	U		0.316	1.50	1	04/18/2018 01:05	WG1098661-4
(S) Toluene-d8	*96.5*			*80.0-120*		*04/19/2018 12:44*	WG1098661
(S) Toluene-d8	*95.6*			*80.0-120*		*04/18/2018 01:05*	WG1098661-4
(S) Dibromofluoromethane	*98.3*			*76.0-123*		*04/19/2018 12:44*	WG1098661
(S) Dibromofluoromethane	*113*			*76.0-123*		*04/18/2018 01:05*	WG1098661-4
(S) 4-Bromofluorobenzene	*98.6*			*80.0-120*		*04/19/2018 12:44*	WG1098661
(S) 4-Bromofluorobenzene	*93.9*			*80.0-120*		*04/18/2018 01:05*	WG1098661-4

Method Blank (MB)

(MB) R3302661-1 04/17/18 13:49

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L985842-01 Original Sample (OS) • Duplicate (DUP)

(OS) L985842-01 04/17/18 13:49 • (DUP) R3302661-3 04/17/18 13:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	75.3	76.0	1	0.943		5

Laboratory Control Sample (LCS)

(LCS) R3302661-2 04/17/18 13:49

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

L984575-23 Original Sample (OS) • Duplicate (DUP)

(OS) L984575-23 04/20/18 22:13 • (DUP) R3303729-1 04/20/18 22:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	253000	257000	1	1.46		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L986317-05 Original Sample (OS) • Duplicate (DUP)

(OS) L986317-05 04/21/18 19:13 • (DUP) R3303729-5 04/21/18 19:19

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	U	0.000	1	0.000		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3303729-2 04/20/18 23:33 • (LCSD) R3303729-3 04/21/18 00:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	99500	99600	99.5	99.6	85.0-115			0.115	20

Sample Narrative:
LCS: Endpoint pH 4.5
LCSD: Endpoint pH 4.5

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3301920-1 04/14/18 12:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L985734-02 Original Sample (OS) • Duplicate (DUP)

(OS) L985734-02 04/14/18 18:00 • (DUP) R3301920-4 04/14/18 18:16

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	30500	31300	1	2.64		15
Nitrate	3550	3630	1	2.44		15

L985782-15 Original Sample (OS) • Duplicate (DUP)

(OS) L985782-15 04/15/18 03:35 • (DUP) R3301920-7 04/15/18 03:51

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	0.000	1	0.000		15
Nitrate	ND	0.000	1	0.000		15
Sulfate	ND	0.000	1	0.000		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301920-2 04/14/18 12:46 • (LCSD) R3301920-3 04/14/18 13:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40000	39700	39700	99.3	99.4	80.0-120			0.0420	15
Nitrate	8000	8110	8100	101	101	80.0-120			0.194	15
Sulfate	40000	40700	40800	102	102	80.0-120			0.183	15

L985734-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L985734-02 04/14/18 18:00 • (MS) R3301920-5 04/14/18 19:06 • (MSD) R3301920-6 04/14/18 19:22

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	30500	81100	81000	101	101	1	80.0-120			0.114	15
Nitrate	5000	3550	8580	8620	101	102	1	80.0-120			0.499	15

L985782-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L985782-15 04/15/18 03:35 • (MS) R3301920-8 04/15/18 04:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	ND	51800	104	1	80.0-120	
Nitrate	5000	ND	5060	101	1	80.0-120	
Sulfate	50000	ND	53500	107	1	80.0-120	

Method Blank (MB)

(MB) R3301924-1 04/14/18 12:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	337	J	102	1000

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301924-2 04/14/18 12:45 • (LCSD) R3301924-4 04/14/18 15:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TOC	75000	78100	78700	104	105	85.0-115			0.816	20

Method Blank (MB)

(MB) R3302478-1 04/17/18 07:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	166	J	102	1000

L985781-05 Original Sample (OS) • Duplicate (DUP)

(OS) L985781-05 04/17/18 11:36 • (DUP) R3302478-5 04/17/18 11:47

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	2950	2790	2	5.58		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302478-2 04/17/18 08:55 • (LCSD) R3302478-4 04/17/18 10:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	75000	76500	75900	102	101	85.0-115			0.787	20

L986050-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L986050-10 04/17/18 12:16 • (MS) R3302478-6 04/17/18 12:32 • (MSD) R3302478-7 04/17/18 12:48

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	ND	50100	50200	100	100	1	80.0-120			0.180	20

Method Blank (MB)

(MB) R3304199-1 04/23/18 16:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304199-2 04/23/18 16:31 • (LCSD) R3304199-3 04/23/18 16:35

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	5000	5310	5530	106	111	80.0-120			4.00	20
Manganese	50.0	53.5	54.8	107	110	80.0-120			2.39	20

L985936-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L985936-29 04/23/18 16:39 • (MS) R3304199-5 04/23/18 16:47 • (MSD) R3304199-6 04/23/18 16:50

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	440	5790	5750	107	106	1	75.0-125			0.734	20
Manganese	50.0	166	215	216	98.1	99.4	1	75.0-125			0.298	20

Method Blank (MB)

(MB) R3302124-3 04/15/18 12:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	40.8	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302124-2 04/15/18 11:31 • (LCSD) R3302124-1 04/15/18 11:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4780	4770	86.8	86.7	72.0-134			0.177	20
(S) a,a,a-Trifluorotoluene(FID)				*94.7*	*95.3*	*77.0-122*				

Method Blank (MB)

(MB) R3302785-1 04/18/18 11:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L986131-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986131-01 04/18/18 11:17 • (DUP) R3302785-2 04/18/18 11:38

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	515	507	1	1.63		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L986149-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986149-01 04/18/18 11:23 • (DUP) R3302785-3 04/18/18 11:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	20.6	17.0	1	18.9		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L986577-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986577-01 04/18/18 13:05 • (DUP) R3302785-4 04/18/18 13:07

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302785-5 04/18/18 13:11 • (LCSD) R3302785-6 04/18/18 13:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	76.2	73.0	112	108	85.0-115			4.34	20
Ethane	129	124	117	96.0	90.4	85.0-115			5.95	20
Ethene	127	127	120	100	94.2	85.0-115			6.29	20

Method Blank (MB)

(MB) R3302464-3 04/15/18 23:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
n-Hexane	U		0.305	5.00

Method Blank (MB)

(MB) R3302464-3 04/15/18 23:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iodomethane	U		0.377	10.0
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
Vinyl acetate	U		0.645	5.00
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*95.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*103*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302464-1 04/15/18 20:30 • (LCSD) R3302464-2 04/15/18 20:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,4-Dichloro-2-butene	25.0	26.5	28.2	106	113	55.0-134			6.01	20
Acetone	125	182	154	146	123	10.0-160			16.8	23
n-Hexane	25.0	19.9	20.0	79.6	80.0	56.0-124			0.496	20
Iodomethane	125	114	115	91.0	91.7	57.0-140			0.725	20
Acrylonitrile	125	114	120	91.0	96.3	60.0-142			5.71	20
Benzene	25.0	21.0	20.8	83.9	83.2	69.0-123			0.805	20
Bromobenzene	25.0	23.8	25.1	95.2	100	79.0-120			5.42	20
Bromochloromethane	25.0	24.6	24.3	98.4	97.2	76.0-122			1.28	20
Bromodichloromethane	25.0	24.4	24.9	97.7	99.5	76.0-120			1.85	20
Bromoform	25.0	29.0	31.4	116	126	67.0-132			8.08	20
Bromomethane	25.0	25.3	24.8	101	99.1	18.0-160			1.92	20
n-Butylbenzene	25.0	24.5	23.7	98.0	94.9	72.0-126			3.23	20
sec-Butylbenzene	25.0	23.5	23.9	93.9	95.6	74.0-121			1.82	20
tert-Butylbenzene	25.0	23.6	23.9	94.4	95.7	75.0-122			1.36	20
Carbon disulfide	25.0	20.8	21.1	83.4	84.3	55.0-127			1.15	20
Carbon tetrachloride	25.0	24.7	25.1	99.0	101	63.0-122			1.57	20
Chlorobenzene	25.0	23.9	23.1	95.7	92.4	79.0-121			3.48	20
Chlorodibromomethane	25.0	27.1	26.7	109	107	75.0-125			1.53	20
Chloroethane	25.0	23.2	22.3	92.8	89.2	47.0-152			3.96	20
Chloroform	25.0	23.8	23.2	95.3	92.9	72.0-121			2.48	20
Chloromethane	25.0	23.0	22.3	91.8	89.0	48.0-139			3.12	20
2-Chlorotoluene	25.0	22.8	23.8	91.3	95.3	74.0-122			4.23	20
4-Chlorotoluene	25.0	24.1	24.4	96.5	97.5	79.0-120			1.03	20
1,2-Dibromo-3-Chloropropane	25.0	26.1	26.0	104	104	64.0-127			0.372	20
1,2-Dibromoethane	25.0	25.1	24.9	100	99.7	77.0-123			0.841	20
Dibromomethane	25.0	25.1	24.9	100	99.6	78.0-120			0.631	20
1,2-Dichlorobenzene	25.0	23.4	24.1	93.6	96.5	80.0-120			3.06	20
Vinyl acetate	125	79.3	83.8	63.4	67.1	46.0-160			5.61	20
1,3-Dichlorobenzene	25.0	23.2	23.3	92.8	93.0	72.0-123			0.224	20
1,4-Dichlorobenzene	25.0	22.7	23.5	90.9	93.9	77.0-120			3.15	20
Dichlorodifluoromethane	25.0	26.4	26.5	106	106	49.0-155			0.0866	20
1,1-Dichloroethane	25.0	22.0	22.4	88.0	89.7	70.0-126			1.84	20
1,2-Dichloroethane	25.0	25.7	25.3	103	101	67.0-126			1.48	20
1,1-Dichloroethene	25.0	20.4	20.3	81.8	81.1	64.0-129			0.814	20
cis-1,2-Dichloroethene	25.0	22.3	22.2	89.0	88.9	73.0-120			0.172	20
trans-1,2-Dichloroethene	25.0	21.2	22.2	84.9	88.9	71.0-121			4.64	20
1,2-Dichloropropane	25.0	22.0	22.7	88.0	90.6	75.0-125			2.91	20
1,1-Dichloropropene	25.0	22.3	22.3	89.0	89.2	71.0-129			0.225	20
1,3-Dichloropropane	25.0	23.6	23.6	94.3	94.3	80.0-121			0.0547	20
cis-1,3-Dichloropropene	25.0	23.8	24.7	95.3	98.8	79.0-123			3.55	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302464-1 04/15/18 20:30 • (LCSD) R3302464-2 04/15/18 20:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	25.0	24.2	25.4	96.9	102	74.0-127			4.73	20
2,2-Dichloropropane	25.0	24.7	24.9	98.9	99.8	60.0-125			0.852	20
Di-isopropyl ether	25.0	20.8	22.4	83.2	89.5	59.0-133			7.31	20
Ethylbenzene	25.0	23.9	23.5	95.8	94.2	77.0-120			1.67	20
2-Hexanone	125	136	133	108	107	58.0-147			1.59	20
Hexachloro-1,3-butadiene	25.0	24.8	23.4	99.1	93.4	64.0-131			5.91	20
Isopropylbenzene	25.0	23.6	25.4	94.4	102	75.0-120			7.38	20
p-Isopropyltoluene	25.0	24.1	25.7	96.2	103	74.0-126			6.61	20
2-Butanone (MEK)	125	167	160	134	128	37.0-158			4.66	20
Methylene Chloride	25.0	20.9	21.3	83.6	85.2	66.0-121			1.85	20
4-Methyl-2-pentanone (MIBK)	125	117	121	93.6	97.1	59.0-143			3.67	20
Methyl tert-butyl ether	25.0	25.0	25.6	100	102	64.0-123			2.36	20
Naphthalene	25.0	22.7	24.7	90.8	98.8	62.0-128			8.40	20
n-Propylbenzene	25.0	22.8	23.7	91.4	95.0	79.0-120			3.84	20
Styrene	25.0	24.8	26.3	99.1	105	78.0-124			6.10	20
1,1,1,2-Tetrachloroethane	25.0	25.7	25.1	103	100	75.0-122			2.26	20
1,1,2,2-Tetrachloroethane	25.0	23.5	23.8	93.9	95.2	71.0-122			1.46	20
1,1,2-Trichlorotrifluoroethane	25.0	21.2	21.3	84.9	85.4	61.0-136			0.565	20
Tetrachloroethene	25.0	24.3	24.3	97.0	97.3	70.0-127			0.316	20
Toluene	25.0	22.4	23.0	89.7	92.0	77.0-120			2.51	20
1,2,3-Trichlorobenzene	25.0	22.3	23.0	89.2	92.1	61.0-133			3.21	20
1,2,4-Trichlorobenzene	25.0	23.2	22.2	92.8	88.9	69.0-129			4.26	20
1,1,1-Trichloroethane	25.0	24.4	24.2	97.5	96.9	68.0-122			0.597	20
1,1,2-Trichloroethane	25.0	24.3	24.6	97.0	98.4	78.0-120			1.41	20
Trichloroethene	25.0	23.7	24.2	94.7	96.6	78.0-120			2.04	20
Trichlorofluoromethane	25.0	23.1	23.2	92.3	92.8	56.0-137			0.500	20
1,2,3-Trichloropropane	25.0	24.9	27.5	99.4	110	72.0-124			9.95	20
1,2,4-Trimethylbenzene	25.0	24.0	23.9	96.2	95.5	75.0-120			0.719	20
1,2,3-Trimethylbenzene	25.0	24.5	24.7	97.9	98.7	75.0-120			0.840	20
1,3,5-Trimethylbenzene	25.0	23.8	24.2	95.3	96.9	75.0-120			1.62	20
Vinyl chloride	25.0	25.4	24.5	101	98.2	64.0-133			3.30	20
Xylenes, Total	75.0	71.1	68.0	94.8	90.7	77.0-120			4.46	20
(S) Toluene-d8				*94.3*	*98.1*	*80.0-120*				
(S) Dibromofluoromethane				*97.5*	*100*	*76.0-123*				
(S) 4-Bromofluorobenzene				*102*	*108*	*80.0-120*				

Method Blank (MB)

(MB) R3302818-3 04/17/18 23:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500

Method Blank (MB)

(MB) R3302818-3 04/17/18 23:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	0.571	J	0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	0.307	J	0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	0.321	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*97.0*			*80.0-120*
(S) Dibromofluoromethane	*112*			*76.0-123*
(S) 4-Bromofluorobenzene	*95.6*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3302818-2 04/17/18 22:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	120	96.3	10.0-160	
Acrylonitrile	125	137	109	60.0-142	
Benzene	25.0	25.4	102	69.0-123	
Bromobenzene	25.0	22.5	90.0	79.0-120	
Bromodichloromethane	25.0	23.6	94.3	76.0-120	
Bromochloromethane	25.0	24.9	99.6	76.0-122	
Bromoform	25.0	21.4	85.6	67.0-132	
Bromomethane	25.0	25.9	104	18.0-160	
n-Butylbenzene	25.0	29.8	119	72.0-126	
sec-Butylbenzene	25.0	26.4	106	74.0-121	
tert-Butylbenzene	25.0	24.8	99.0	75.0-122	
Carbon tetrachloride	25.0	26.6	106	63.0-122	
Chlorobenzene	25.0	23.4	93.6	79.0-121	
Chlorodibromomethane	25.0	23.5	94.1	75.0-125	
Chloroethane	25.0	26.0	104	47.0-152	
Chloroform	25.0	24.6	98.5	72.0-121	
Chloromethane	25.0	21.4	85.8	48.0-139	
2-Chlorotoluene	25.0	24.3	97.1	74.0-122	
4-Chlorotoluene	25.0	23.5	93.8	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	24.4	97.6	64.0-127	
1,2-Dibromoethane	25.0	22.8	91.2	77.0-123	
Dibromomethane	25.0	25.2	101	78.0-120	
1,2-Dichlorobenzene	25.0	26.6	107	80.0-120	
1,3-Dichlorobenzene	25.0	25.0	100	72.0-123	
1,4-Dichlorobenzene	25.0	26.2	105	77.0-120	
Dichlorodifluoromethane	25.0	28.3	113	49.0-155	
1,1-Dichloroethane	25.0	28.1	113	70.0-126	
1,2-Dichloroethane	25.0	26.4	106	67.0-126	
1,1-Dichloroethene	25.0	23.2	92.7	64.0-129	
cis-1,2-Dichloroethene	25.0	24.6	98.5	73.0-120	
trans-1,2-Dichloroethene	25.0	23.1	92.5	71.0-121	
1,2-Dichloropropane	25.0	26.0	104	75.0-125	
1,1-Dichloropropene	25.0	27.2	109	71.0-129	
1,3-Dichloropropane	25.0	25.2	101	80.0-121	
cis-1,3-Dichloropropene	25.0	24.7	98.7	79.0-123	
trans-1,3-Dichloropropene	25.0	24.5	98.1	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	22.3	89.3	55.0-134	
2,2-Dichloropropane	25.0	29.0	116	60.0-125	
Di-isopropyl ether	25.0	27.4	110	59.0-133	
Ethylbenzene	25.0	23.3	93.2	77.0-120	

Laboratory Control Sample (LCS)

(LCS) R3302818-2 04/17/18 22:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	25.0	25.6	102	64.0-131	
2-Hexanone	125	119	95.3	58.0-147	
n-Hexane	25.0	20.3	81.2	56.0-124	
Iodomethane	125	113	90.5	57.0-140	
Isopropylbenzene	25.0	25.0	100	75.0-120	
p-Isopropyltoluene	25.0	25.7	103	74.0-126	
2-Butanone (MEK)	125	153	123	37.0-158	
Methylene Chloride	25.0	23.7	94.9	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	129	103	59.0-143	
Methyl tert-butyl ether	25.0	26.6	106	64.0-123	
Naphthalene	25.0	25.1	100	62.0-128	
n-Propylbenzene	25.0	25.0	100	79.0-120	
Styrene	25.0	22.6	90.5	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	23.0	91.8	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	22.6	90.3	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	31.6	126	61.0-136	
Tetrachloroethene	25.0	22.6	90.4	70.0-127	
Toluene	25.0	22.7	90.7	77.0-120	
1,2,3-Trichlorobenzene	25.0	24.9	99.5	61.0-133	
1,2,4-Trichlorobenzene	25.0	24.8	99.0	69.0-129	
1,1,1-Trichloroethane	25.0	26.7	107	68.0-122	
1,1,2-Trichloroethane	25.0	22.1	88.3	78.0-120	
Trichloroethene	25.0	23.3	93.3	78.0-120	
Trichlorofluoromethane	25.0	33.8	135	56.0-137	
1,2,3-Trichloropropane	25.0	23.0	92.0	72.0-124	
1,2,4-Trimethylbenzene	25.0	24.1	96.3	75.0-120	
1,2,3-Trimethylbenzene	25.0	27.5	110	75.0-120	
1,3,5-Trimethylbenzene	25.0	24.5	97.9	75.0-120	
Vinyl acetate	125	149	119	46.0-160	
Vinyl chloride	25.0	25.1	100	64.0-133	
Xylenes, Total	75.0	71.0	94.7	77.0-120	
(S) Toluene-d8			*96.1*	*80.0-120*	
(S) Dibromofluoromethane			*108*	*76.0-123*	
(S) 4-Bromofluorobenzene			*91.9*	*80.0-120*	

Method Blank (MB)

(MB) R3302378-5 04/16/18 12:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3302378-5 04/16/18 12:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*114*			*80.0-120*
(S) Dibromofluoromethane	*89.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*93.8*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302378-1 04/16/18 10:06 • (LCSD) R3302378-2 04/16/18 10:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.126	0.126	101	101	11.0-160			0.417	23
Acrylonitrile	0.125	0.114	0.116	90.8	92.9	61.0-143			2.25	20
Benzene	0.0250	0.0224	0.0231	89.4	92.2	71.0-124			3.08	20
Bromobenzene	0.0250	0.0232	0.0237	92.8	94.9	78.0-120			2.30	20
Bromodichloromethane	0.0250	0.0246	0.0243	98.2	97.1	75.0-120			1.08	20
Bromochloromethane	0.0250	0.0242	0.0240	96.9	96.0	80.0-121			0.918	20
Bromoform	0.0250	0.0251	0.0254	101	101	65.0-133			0.908	20
Bromomethane	0.0250	0.0206	0.0207	82.2	82.8	26.0-160			0.701	20
n-Butylbenzene	0.0250	0.0248	0.0253	99.4	101	73.0-126			1.92	20
sec-Butylbenzene	0.0250	0.0247	0.0251	98.8	100	75.0-121			1.68	20
tert-Butylbenzene	0.0250	0.0252	0.0257	101	103	74.0-122			1.85	20
Carbon disulfide	0.0250	0.0224	0.0228	89.5	91.0	53.0-130			1.68	20
Carbon tetrachloride	0.0250	0.0223	0.0249	89.3	99.5	66.0-123			10.8	20
Chlorobenzene	0.0250	0.0264	0.0270	106	108	79.0-121			1.93	20
Chlorodibromomethane	0.0250	0.0267	0.0262	107	105	74.0-128			1.89	20
Chloroethane	0.0250	0.0204	0.0201	81.7	80.5	51.0-147			1.47	20
Chloroform	0.0250	0.0232	0.0237	92.8	94.9	73.0-123			2.33	20
Chloromethane	0.0250	0.0207	0.0208	82.7	83.1	51.0-138			0.490	20
2-Chlorotoluene	0.0250	0.0246	0.0247	98.5	98.7	72.0-124			0.250	20
4-Chlorotoluene	0.0250	0.0234	0.0237	93.5	94.7	78.0-120			1.29	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0232	0.0227	92.7	90.6	65.0-126			2.31	20
1,2-Dibromoethane	0.0250	0.0257	0.0257	103	103	78.0-122			0.0768	20
Dibromomethane	0.0250	0.0237	0.0237	94.8	94.9	79.0-120			0.115	20
1,2-Dichlorobenzene	0.0250	0.0253	0.0261	101	104	80.0-120			3.20	20
1,3-Dichlorobenzene	0.0250	0.0252	0.0253	101	101	72.0-123			0.415	20
1,4-Dichlorobenzene	0.0250	0.0245	0.0245	98.2	98.1	77.0-120			0.0554	20
trans-1,4-Dichloro-2-butene	0.0250	0.0247	0.0255	98.9	102	68.0-126			3.07	20
Dichlorodifluoromethane	0.0250	0.0177	0.0181	70.6	72.3	49.0-155			2.40	20
1,1-Dichloroethane	0.0250	0.0239	0.0241	95.7	96.6	70.0-128			0.971	20
1,2-Dichloroethane	0.0250	0.0229	0.0236	91.5	94.5	69.0-128			3.28	20
1,1-Dichloroethene	0.0250	0.0231	0.0237	92.3	94.6	63.0-131			2.53	20
cis-1,2-Dichloroethene	0.0250	0.0231	0.0232	92.3	92.8	74.0-123			0.553	20
trans-1,2-Dichloroethene	0.0250	0.0238	0.0236	95.1	94.2	72.0-122			0.994	20
1,2-Dichloropropane	0.0250	0.0264	0.0254	106	102	75.0-126			3.79	20
1,1-Dichloropropene	0.0250	0.0228	0.0237	91.3	95.0	72.0-130			3.88	20
1,3-Dichloropropane	0.0250	0.0252	0.0252	101	101	80.0-121			0.210	20
cis-1,3-Dichloropropene	0.0250	0.0259	0.0268	103	107	80.0-125			3.39	20
trans-1,3-Dichloropropene	0.0250	0.0264	0.0261	106	104	75.0-129			1.18	20
2,2-Dichloropropane	0.0250	0.0229	0.0237	91.5	94.9	60.0-129			3.64	20
Di-isopropyl ether	0.0250	0.0235	0.0237	93.9	94.9	62.0-133			1.09	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302378-1 04/16/18 10:06 • (LCSD) R3302378-2 04/16/18 10:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0263	0.0266	105	106	77.0-120			0.928	20
Hexachloro-1,3-butadiene	0.0250	0.0301	0.0305	120	122	68.0-128			1.16	20
2-Hexanone	0.125	0.135	0.137	108	109	61.0-143			0.918	20
n-Hexane	0.0250	0.0216	0.0223	86.4	89.3	57.0-125			3.22	20
Iodomethane	0.125	0.121	0.124	97.0	98.8	67.0-132			1.92	20
Isopropylbenzene	0.0250	0.0245	0.0250	98.0	100	75.0-120			2.15	20
p-Isopropyltoluene	0.0250	0.0260	0.0266	104	106	74.0-125			2.04	20
2-Butanone (MEK)	0.125	0.122	0.125	97.9	100	37.0-159			2.47	20
Methylene Chloride	0.0250	0.0226	0.0224	90.3	89.8	67.0-123			0.509	20
4-Methyl-2-pentanone (MIBK)	0.125	0.127	0.128	102	102	60.0-144			0.241	20
Methyl tert-butyl ether	0.0250	0.0230	0.0232	91.8	92.7	66.0-125			0.905	20
Naphthalene	0.0250	0.0242	0.0248	96.9	99.2	64.0-125			2.35	20
n-Propylbenzene	0.0250	0.0245	0.0247	98.0	99.0	78.0-120			0.978	20
Styrene	0.0250	0.0242	0.0245	96.9	97.9	78.0-124			1.07	20
1,1,1,2-Tetrachloroethane	0.0250	0.0272	0.0280	109	112	74.0-124			2.64	20
1,1,2,2-Tetrachloroethane	0.0250	0.0227	0.0225	90.8	90.1	73.0-120			0.741	20
Tetrachloroethene	0.0250	0.0284	0.0284	114	114	70.0-127			0.132	20
Toluene	0.0250	0.0250	0.0250	100	100	77.0-120			0.112	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0240	0.0244	95.9	97.6	64.0-135			1.73	20
1,2,3-Trichlorobenzene	0.0250	0.0275	0.0276	110	110	68.0-126			0.343	20
1,2,4-Trichlorobenzene	0.0250	0.0270	0.0267	108	107	70.0-127			1.15	20
1,1,1-Trichloroethane	0.0250	0.0236	0.0242	94.4	96.7	69.0-125			2.42	20
1,1,2-Trichloroethane	0.0250	0.0250	0.0249	99.9	99.6	78.0-120			0.331	20
Trichloroethene	0.0250	0.0272	0.0274	109	110	79.0-120			0.599	20
Trichlorofluoromethane	0.0250	0.0239	0.0242	95.8	96.7	59.0-136			0.932	20
1,2,3-Trichloropropane	0.0250	0.0226	0.0225	90.3	90.0	73.0-124			0.360	20
1,2,3-Trimethylbenzene	0.0250	0.0246	0.0246	98.3	98.4	76.0-120			0.0552	20
1,2,4-Trimethylbenzene	0.0250	0.0246	0.0249	98.5	99.6	75.0-120			1.12	20
1,3,5-Trimethylbenzene	0.0250	0.0251	0.0252	101	101	75.0-120			0.220	20
Vinyl acetate	0.125	0.122	0.125	97.9	99.8	58.0-156			1.96	20
Vinyl chloride	0.0250	0.0221	0.0221	88.4	88.6	63.0-134			0.197	20
Xylenes, Total	0.0750	0.0802	0.0803	107	107	77.0-120			0.125	20
(S) Toluene-d8				*109*	*110*	*80.0-120*				
(S) Dibromofluoromethane				*89.1*	*91.3*	*74.0-131*				
(S) 4-Bromofluorobenzene				*89.6*	*90.8*	*64.0-132*				

L985989-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L985989-04 04/16/18 18:52 • (MS) R3302378-6 04/16/18 20:37 • (MSD) R3302378-7 04/16/18 21:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.168	ND	0.107	0.191	64.0	114	1	10.0-160		J3	55.9	36
Acrylonitrile	0.168	ND	0.143	0.229	85.4	137	1	14.0-160		J3	46.1	33
Benzene	0.0335	ND	0.0263	0.0236	78.4	70.5	1	13.0-146			10.7	27
Bromobenzene	0.0335	ND	0.0253	0.0210	75.6	62.8	1	10.0-149			18.5	33
Bromodichloromethane	0.0335	ND	0.0284	0.0266	84.8	79.4	1	15.0-142			6.66	28
Bromochloromethane	0.0335	ND	0.0269	0.0267	80.3	79.6	1	24.0-146			0.929	27
Bromoform	0.0335	ND	0.0290	0.0292	86.7	87.1	1	10.0-147			0.489	31
Bromomethane	0.0335	ND	0.0204	0.0192	60.8	57.2	1	10.0-160			6.16	32
n-Butylbenzene	0.0335	ND	0.0269	0.0198	80.4	59.1	1	10.0-154			30.6	37
sec-Butylbenzene	0.0335	ND	0.0289	0.0216	86.2	64.3	1	10.0-151			29.0	36
tert-Butylbenzene	0.0335	ND	0.0299	0.0232	89.3	69.4	1	10.0-152			25.2	35
Carbon disulfide	0.0335	ND	0.0148	0.0141	44.1	42.0	1	10.0-141			4.94	30
Carbon tetrachloride	0.0335	ND	0.0270	0.0267	80.6	79.8	1	13.0-140			0.920	30
Chlorobenzene	0.0335	ND	0.0286	0.0238	85.3	70.9	1	10.0-149			18.5	31
Chlorodibromomethane	0.0335	ND	0.0295	0.0268	88.2	79.9	1	12.0-147			9.91	29
Chloroethane	0.0335	ND	0.0219	0.0207	65.4	61.8	1	10.0-159			5.63	33
Chloroform	0.0335	ND	0.0278	0.0269	83.0	80.4	1	18.0-148			3.26	28
Chloromethane	0.0335	ND	0.0195	0.0185	58.2	55.3	1	10.0-146			5.06	29
2-Chlorotoluene	0.0335	ND	0.0267	0.0221	79.8	66.0	1	10.0-151			18.9	35
4-Chlorotoluene	0.0335	ND	0.0250	0.0203	74.5	60.6	1	10.0-150			20.6	35
1,2-Dibromo-3-Chloropropane	0.0335	ND	0.0286	0.0428	85.5	128	1	10.0-149		J3	39.7	34
1,2-Dibromoethane	0.0335	ND	0.0287	0.0273	85.5	81.5	1	14.0-145			4.78	28
Dibromomethane	0.0335	ND	0.0274	0.0284	81.7	84.8	1	18.0-144			3.69	27
1,2-Dichlorobenzene	0.0335	ND	0.0260	0.0216	77.7	64.5	1	10.0-153			18.5	34
1,3-Dichlorobenzene	0.0335	ND	0.0259	0.0208	77.4	62.2	1	10.0-150			21.9	35
1,4-Dichlorobenzene	0.0335	ND	0.0241	0.0195	71.9	58.2	1	10.0-148			21.1	34
trans-1,4-Dichloro-2-butene	0.0335	ND	0.0277	0.0312	82.7	93.0	1	10.0-160			11.7	40
Dichlorodifluoromethane	0.0335	ND	0.0211	0.0196	62.9	58.5	1	10.0-160			7.28	30
1,1-Dichloroethane	0.0335	ND	0.0282	0.0272	84.2	81.2	1	19.0-148			3.61	28
1,2-Dichloroethane	0.0335	ND	0.0266	0.0270	79.4	80.6	1	17.0-147			1.48	27
1,1-Dichloroethene	0.0335	ND	0.0246	0.0243	73.3	72.5	1	10.0-150			1.11	31
cis-1,2-Dichloroethene	0.0335	ND	0.0265	0.0255	79.0	76.1	1	16.0-145			3.76	28
trans-1,2-Dichloroethene	0.0335	ND	0.0240	0.0235	71.6	70.0	1	11.0-142			2.26	29
1,2-Dichloropropane	0.0335	0.00161	0.0298	0.0271	84.1	76.0	1	17.0-148			9.60	28
1,1-Dichloropropene	0.0335	ND	0.0260	0.0242	77.6	72.3	1	10.0-150			7.18	30
1,3-Dichloropropane	0.0335	ND	0.0282	0.0259	84.2	77.2	1	16.0-148			8.69	27
cis-1,3-Dichloropropene	0.0335	ND	0.0281	0.0233	83.7	69.6	1	13.0-150			18.4	28
trans-1,3-Dichloropropene	0.0335	ND	0.0285	0.0246	82.9	71.4	1	10.0-152			14.6	29
2,2-Dichloropropane	0.0335	ND	0.0275	0.0257	82.0	76.8	1	16.0-143			6.61	30

L985989-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L985989-04 04/16/18 18:52 • (MS) R3302378-6 04/16/18 20:37 • (MSD) R3302378-7 04/16/18 21:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0335	ND	0.0305	0.0276	91.0	82.4	1	16.0-149			9.96	28
Ethylbenzene	0.0335	ND	0.0294	0.0239	87.8	71.3	1	10.0-147			20.8	31
Hexachloro-1,3-butadiene	0.0335	ND	0.0315	0.0208	93.9	62.2	1	10.0-154		J3	40.6	40
2-Hexanone	0.168	ND	0.139	0.229	82.8	137	1	12.0-158		J3	49.0	30
n-Hexane	0.0335	ND	0.0175	0.0160	52.3	47.9	1	10.0-140			8.78	34
Iodomethane	0.168	ND	0.123	0.117	73.3	69.7	1	10.0-157			4.99	34
Isopropylbenzene	0.0335	ND	0.0290	0.0230	86.5	68.8	1	10.0-147			22.8	33
p-Isopropyltoluene	0.0335	ND	0.0296	0.0219	88.3	65.4	1	10.0-156			29.7	37
2-Butanone (MEK)	0.168	ND	0.139	0.251	83.2	150	1	10.0-160		J3	57.2	33
Methylene Chloride	0.0335	ND	0.0254	0.0241	75.8	72.0	1	16.0-139			5.22	29
4-Methyl-2-pentanone (MIBK)	0.168	ND	0.170	0.236	102	141	1	12.0-160		J3	32.4	32
Methyl tert-butyl ether	0.0335	ND	0.0301	0.0292	90.0	87.0	1	21.0-145			3.36	29
Naphthalene	0.0335	ND	0.0271	0.0297	81.0	88.6	1	10.0-153			8.98	36
n-Propylbenzene	0.0335	ND	0.0277	0.0218	82.6	65.0	1	10.0-151			23.8	34
Styrene	0.0335	ND	0.0234	0.0197	69.8	58.9	1	10.0-155			16.9	34
1,1,1,2-Tetrachloroethane	0.0335	ND	0.0310	0.0261	92.6	77.9	1	10.0-147			17.2	30
1,1,2,2-Tetrachloroethane	0.0335	ND	0.0291	0.0325	86.8	97.0	1	10.0-155			11.1	31
Tetrachloroethene	0.0335	ND	0.0293	0.0236	87.4	70.3	1	10.0-144			21.7	32
Toluene	0.0335	ND	0.0271	0.0225	81.0	67.2	1	10.0-144			18.6	28
1,1,2-Trichlorotrifluoroethane	0.0335	ND	0.0293	0.0264	87.5	78.8	1	10.0-153			10.4	33
1,2,3-Trichlorobenzene	0.0335	ND	0.0213	0.0178	63.5	53.2	1	10.0-153			17.7	40
1,2,4-Trichlorobenzene	0.0335	ND	0.0211	0.0161	62.9	48.0	1	10.0-156			26.8	40
1,1,1-Trichloroethane	0.0335	ND	0.0296	0.0268	88.3	80.0	1	18.0-145			9.85	29
1,1,2-Trichloroethane	0.0335	ND	0.0283	0.0266	84.5	79.3	1	12.0-151			6.35	28
Trichloroethene	0.0335	ND	0.0302	0.0277	90.2	82.8	1	11.0-148			8.56	29
Trichlorofluoromethane	0.0335	ND	0.0260	0.0250	77.7	74.7	1	10.0-157			3.99	34
1,2,3-Trichloropropane	0.0335	ND	0.0280	0.0330	83.6	98.6	1	10.0-154			16.5	32
1,2,3-Trimethylbenzene	0.0335	ND	0.0271	0.0215	80.9	64.2	1	10.0-150			23.0	33
1,2,4-Trimethylbenzene	0.0335	ND	0.0278	0.0221	83.1	65.9	1	10.0-151			23.1	34
1,3,5-Trimethylbenzene	0.0335	ND	0.0281	0.0221	83.8	65.9	1	10.0-150			24.0	33
Vinyl acetate	0.168	ND	0.0863	0.0869	51.5	51.9	1	10.0-160			0.799	40
Vinyl chloride	0.0335	ND	0.0221	0.0206	65.9	61.5	1	10.0-150			6.87	29
Xylenes, Total	0.101	ND	0.0887	0.0722	88.3	71.9	1	10.0-150			20.5	31
(S) Toluene-d8					*104*	*98.5*		*80.0-120*				
(S) Dibromofluoromethane					*94.5*	*102*		*74.0-131*				
(S) 4-Bromofluorobenzene					*91.1*	*88.7*		*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

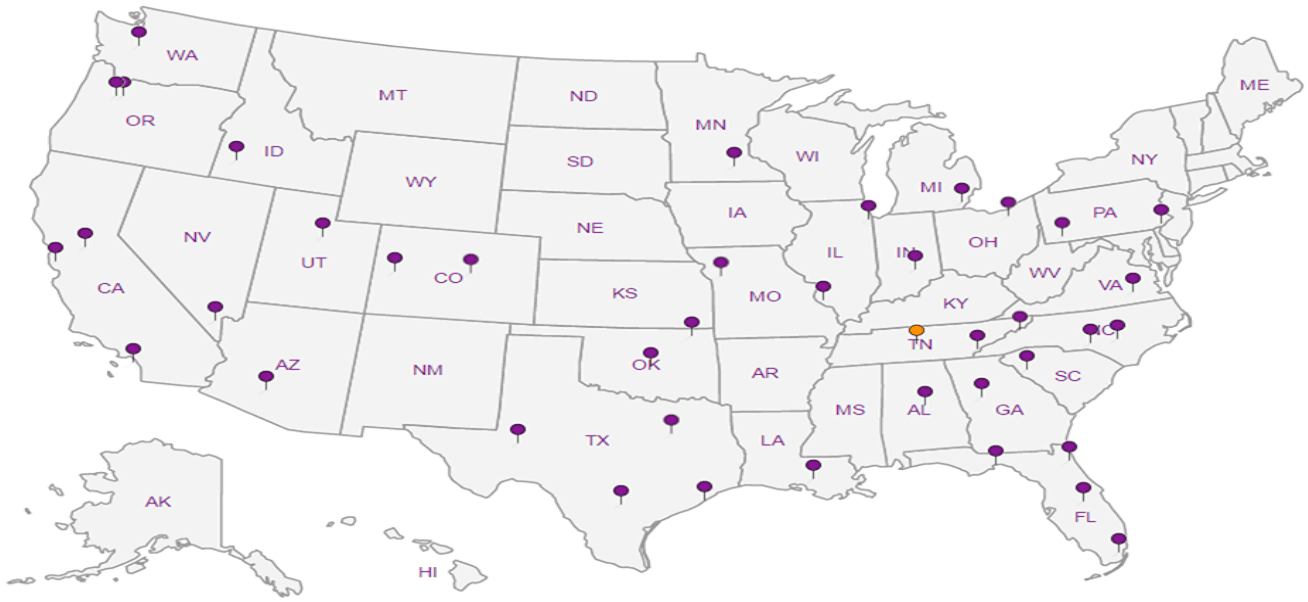
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	dry wt. Nopres				Remarks	Sample # (lab only)
SCS-2-041318	Grab	GW		4/13/18	0912	3						X						-01
MW-8-041318		GW		4/13/18	1005	3						X						-02
MW-124-041318		GW		4/13/18	1158	11	X	X	X	X	X	X						-03
MW-142-5		~~SS~~ GW		4/12/18	1153	5						X	X					-04
W-MW-01-041318		GW		4/13/18	0911	11	X	X	X	X	X	X						-05
		GW																
		GW																
		GW																
		GW																
		GW																

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

ESC LAB SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
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L# 985781

F035

Acctnum: PESENVSWA
Template: T134175
Prelogin: P645197
TSR: 110 - Brian Ford
PB: 3-22-18 CS

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:*Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4196 3255 8857

Sample Receipt Checklist
COC Seal Present/Intact: __NP/ Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: Y __N
Preservation Correct/Checked: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
				1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.1 °C Bottles Received: 33
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/14/18 Time: 8:00
			904	Hold: Condition: NCF / OK

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	24.1 J	J J0	1.05	25.0	1	04/16/2018 07:32	WG1098661
Acrylonitrile	U		0.873	5.00	1	04/16/2018 07:32	WG1098661
Benzene	44.3		0.0896	0.500	1	04/16/2018 07:32	WG1098661
Bromobenzene	U		0.133	0.500	1	04/16/2018 07:32	WG1098661
Bromodichloromethane	U		0.0800	0.500	1	04/16/2018 07:32	WG1098661
Bromochloromethane	U		0.145	0.500	1	04/16/2018 07:32	WG1098661
Bromoform	U		0.186	0.500	1	04/16/2018 07:32	WG1098661
Bromomethane	U		0.157	2.50	1	04/16/2018 07:32	WG1098661
n-Butylbenzene	U		0.143	0.500	1	04/16/2018 07:32	WG1098661
sec-Butylbenzene	2.09		0.134	0.500	1	04/16/2018 07:32	WG1098661
tert-Butylbenzene	U		0.183	0.500	1	04/16/2018 07:32	WG1098661
Carbon disulfide	U		0.101	0.500	1	04/16/2018 07:32	WG1098661
Carbon tetrachloride	U		0.159	0.500	1	04/16/2018 07:32	WG1098661
Chlorobenzene	U		0.140	0.500	1	04/16/2018 07:32	WG1098661
Chlorodibromomethane	U		0.128	0.500	1	04/16/2018 07:32	WG1098661
Chloroethane	U		0.141	2.50	1	04/16/2018 07:32	WG1098661
Chloroform	U		0.0860	0.500	1	04/16/2018 07:32	WG1098661
Chloromethane	U		0.153	1.25	1	04/16/2018 07:32	WG1098661
2-Chlorotoluene	U		0.111	0.500	1	04/16/2018 07:32	WG1098661
4-Chlorotoluene	U		0.0972	0.500	1	04/16/2018 07:32	WG1098661
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/16/2018 07:32	WG1098661
1,2-Dibromoethane	U		0.193	0.500	1	04/16/2018 07:32	WG1098661
Dibromomethane	U		0.117	0.500	1	04/16/2018 07:32	WG1098661
1,2-Dichlorobenzene	U		0.101	0.500	1	04/16/2018 07:32	WG1098661
1,3-Dichlorobenzene	U		0.130	0.500	1	04/16/2018 07:32	WG1098661
1,4-Dichlorobenzene	U		0.121	0.500	1	04/16/2018 07:32	WG1098661
Dichlorodifluoromethane	U		0.127	2.50	1	04/16/2018 07:32	WG1098661
1,1-Dichloroethane	U		0.114	0.500	1	04/16/2018 07:32	WG1098661
1,2-Dichloroethane	U		0.108	0.500	1	04/16/2018 07:32	WG1098661
1,1-Dichloroethene	U		0.188	0.500	1	04/16/2018 07:32	WG1098661
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/16/2018 07:32	WG1098661
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/16/2018 07:32	WG1098661
1,2-Dichloropropane	U		0.190	0.500	1	04/16/2018 07:32	WG1098661
1,1-Dichloropropene	U		0.128	0.500	1	04/16/2018 07:32	WG1098661
1,3-Dichloropropane	U		0.147	1.00	1	04/16/2018 07:32	WG1098661
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/16/2018 07:32	WG1098661
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/16/2018 07:32	WG1098661
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/16/2018 07:32	WG1098661
2,2-Dichloropropane	U		0.0929	0.500	1	04/16/2018 07:32	WG1098661
Di-isopropyl ether	0.759		0.0924	0.500	1	04/16/2018 07:32	WG1098661
Ethylbenzene	37.3		0.158	0.500	1	04/16/2018 07:32	WG1098661
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/16/2018 07:32	WG1098661
2-Hexanone	U		0.757	5.00	1	04/16/2018 07:32	WG1098661
n-Hexane	12.5 J	J0	0.305	5.00	1	04/16/2018 07:32	WG1098661
Iodomethane	U		0.377	10.0	1	04/16/2018 07:32	WG1098661
Isopropylbenzene	15.6		0.126	0.500	1	04/16/2018 07:32	WG1098661
p-Isopropyltoluene	0.547		0.138	0.500	1	04/16/2018 07:32	WG1098661
2-Butanone (MEK)	U UJ	J0	1.28	5.00	1	04/16/2018 07:32	WG1098661
Methylene Chloride	U		1.07	2.50	1	04/16/2018 07:32	WG1098661
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/16/2018 07:32	WG1098661
Methyl tert-butyl ether	U		0.102	0.500	1	04/16/2018 07:32	WG1098661
Naphthalene	21.2		0.174	2.50	1	04/16/2018 07:32	WG1098661
n-Propylbenzene	23.8		0.162	0.500	1	04/16/2018 07:32	WG1098661
Styrene	U		0.117	0.500	1	04/16/2018 07:32	WG1098661
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/16/2018 07:32	WG1098661
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/16/2018 07:32	WG1098661

JC 5/9/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/16/2018 07:32	WG1098661
Tetrachloroethene	U		0.199	0.500	1	04/16/2018 07:32	WG1098661
Toluene	5.18		0.412	0.500	1	04/16/2018 07:32	WG1098661
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/16/2018 07:32	WG1098661
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/16/2018 07:32	WG1098661
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/16/2018 07:32	WG1098661
1,1,2-Trichloroethane	U		0.186	0.500	1	04/16/2018 07:32	WG1098661
Trichloroethene	U		0.153	0.500	1	04/16/2018 07:32	WG1098661
Trichlorofluoromethane	U		0.130	2.50	1	04/16/2018 07:32	WG1098661
1,2,3-Trichloropropane	U		0.247	2.50	1	04/16/2018 07:32	WG1098661
1,2,4-Trimethylbenzene	23.3		0.123	0.500	1	04/16/2018 07:32	WG1098661
1,2,3-Trimethylbenzene	12.5		0.0739	0.500	1	04/16/2018 07:32	WG1098661
1,3,5-Trimethylbenzene	2.65		0.124	0.500	1	04/16/2018 07:32	WG1098661
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/16/2018 07:32	WG1098661
Vinyl chloride	U		0.118	0.500	1	04/16/2018 07:32	WG1098661
Xylenes, Total	47.7		0.316	1.50	1	04/16/2018 07:32	WG1098661
(S) Toluene-d8	*114*			*80.0-120*		*04/16/2018 07:32*	WG1098661
(S) Dibromofluoromethane	*99.4*			*76.0-123*		*04/16/2018 07:32*	WG1098661
(S) 4-Bromofluorobenzene	*98.7*			*80.0-120*		*04/16/2018 07:32*	WG1098661

JC 5/9/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.85 J	J J0	1.05	25.0	1	04/16/2018 07:52	WG1098661
Acrylonitrile	U		0.873	5.00	1	04/16/2018 07:52	WG1098661
Benzene	U		0.0896	0.500	1	04/16/2018 07:52	WG1098661
Bromobenzene	U		0.133	0.500	1	04/16/2018 07:52	WG1098661
Bromodichloromethane	U		0.0800	0.500	1	04/16/2018 07:52	WG1098661
Bromochloromethane	U		0.145	0.500	1	04/16/2018 07:52	WG1098661
Bromoform	U		0.186	0.500	1	04/16/2018 07:52	WG1098661
Bromomethane	U		0.157	2.50	1	04/16/2018 07:52	WG1098661
n-Butylbenzene	U		0.143	0.500	1	04/16/2018 07:52	WG1098661
sec-Butylbenzene	U		0.134	0.500	1	04/16/2018 07:52	WG1098661
tert-Butylbenzene	U		0.183	0.500	1	04/16/2018 07:52	WG1098661
Carbon disulfide	U		0.101	0.500	1	04/16/2018 07:52	WG1098661
Carbon tetrachloride	U		0.159	0.500	1	04/16/2018 07:52	WG1098661
Chlorobenzene	U		0.140	0.500	1	04/16/2018 07:52	WG1098661
Chlorodibromomethane	U		0.128	0.500	1	04/16/2018 07:52	WG1098661
Chloroethane	U		0.141	2.50	1	04/16/2018 07:52	WG1098661
Chloroform	U		0.0860	0.500	1	04/16/2018 07:52	WG1098661
Chloromethane	U		0.153	1.25	1	04/16/2018 07:52	WG1098661
2-Chlorotoluene	U		0.111	0.500	1	04/16/2018 07:52	WG1098661
4-Chlorotoluene	U		0.0972	0.500	1	04/16/2018 07:52	WG1098661
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/16/2018 07:52	WG1098661
1,2-Dibromoethane	U		0.193	0.500	1	04/16/2018 07:52	WG1098661
Dibromomethane	U		0.117	0.500	1	04/16/2018 07:52	WG1098661
1,2-Dichlorobenzene	U		0.101	0.500	1	04/16/2018 07:52	WG1098661
1,3-Dichlorobenzene	U		0.130	0.500	1	04/16/2018 07:52	WG1098661
1,4-Dichlorobenzene	U		0.121	0.500	1	04/16/2018 07:52	WG1098661
Dichlorodifluoromethane	U		0.127	2.50	1	04/16/2018 07:52	WG1098661
1,1-Dichloroethane	U		0.114	0.500	1	04/16/2018 07:52	WG1098661
1,2-Dichloroethane	U		0.108	0.500	1	04/16/2018 07:52	WG1098661
1,1-Dichloroethene	U		0.188	0.500	1	04/16/2018 07:52	WG1098661
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/16/2018 07:52	WG1098661
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/16/2018 07:52	WG1098661
1,2-Dichloropropane	U		0.190	0.500	1	04/16/2018 07:52	WG1098661
1,1-Dichloropropene	U		0.128	0.500	1	04/16/2018 07:52	WG1098661
1,3-Dichloropropane	U		0.147	1.00	1	04/16/2018 07:52	WG1098661
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/16/2018 07:52	WG1098661
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/16/2018 07:52	WG1098661
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/16/2018 07:52	WG1098661
2,2-Dichloropropane	U		0.0929	0.500	1	04/16/2018 07:52	WG1098661
Di-isopropyl ether	U		0.0924	0.500	1	04/16/2018 07:52	WG1098661
Ethylbenzene	U		0.158	0.500	1	04/16/2018 07:52	WG1098661
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/16/2018 07:52	WG1098661
2-Hexanone	U		0.757	5.00	1	04/16/2018 07:52	WG1098661
n-Hexane	U UJ	J0	0.305	5.00	1	04/16/2018 07:52	WG1098661
Iodomethane	U		0.377	10.0	1	04/16/2018 07:52	WG1098661
Isopropylbenzene	U		0.126	0.500	1	04/16/2018 07:52	WG1098661
p-Isopropyltoluene	U		0.138	0.500	1	04/16/2018 07:52	WG1098661
2-Butanone (MEK)	U		1.28	5.00	1	04/16/2018 07:52	WG1098661
Methylene Chloride	U		1.07	2.50	1	04/16/2018 07:52	WG1098661
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/16/2018 07:52	WG1098661
Methyl tert-butyl ether	U		0.102	0.500	1	04/16/2018 07:52	WG1098661
Naphthalene	0.341 J	J	0.174	2.50	1	04/16/2018 07:52	WG1098661
n-Propylbenzene	U		0.162	0.500	1	04/16/2018 07:52	WG1098661 JC 5/9/18
Styrene	U		0.117	0.500	1	04/16/2018 07:52	WG1098661
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/16/2018 07:52	WG1098661
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/16/2018 07:52	WG1098661

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/16/2018 07:52	WG1098661
Tetrachloroethene	0.570		0.199	0.500	1	04/16/2018 07:52	WG1098661
Toluene	U		0.412	0.500	1	04/16/2018 07:52	WG1098661
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/16/2018 07:52	WG1098661
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/16/2018 07:52	WG1098661
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/16/2018 07:52	WG1098661
1,1,2-Trichloroethane	U		0.186	0.500	1	04/16/2018 07:52	WG1098661
Trichloroethene	U		0.153	0.500	1	04/16/2018 07:52	WG1098661
Trichlorofluoromethane	U		0.130	2.50	1	04/16/2018 07:52	WG1098661
1,2,3-Trichloropropane	U		0.247	2.50	1	04/16/2018 07:52	WG1098661
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/16/2018 07:52	WG1098661
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/16/2018 07:52	WG1098661
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/16/2018 07:52	WG1098661
Vinyl acetate	U UJ	J0	0.645	5.00	1	04/16/2018 07:52	WG1098661
Vinyl chloride	U		0.118	0.500	1	04/16/2018 07:52	WG1098661
Xylenes, Total	U		0.316	1.50	1	04/16/2018 07:52	WG1098661
(S) Toluene-d8	*101*			*80.0-120*		*04/16/2018 07:52*	WG1098661
(S) Dibromofluoromethane	*99.4*			*76.0-123*		*04/16/2018 07:52*	WG1098661
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/16/2018 07:52*	WG1098661

JC 5/9/18

JC 5/9/18

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	162000		2710	20000	1	04/20/2018 22:32	WG1101238

Sample Narrative:
L985781-03 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	4470		51.9	1000	1	04/15/2018 00:18	WG1098249
Nitrate	U		22.7	100	1	04/15/2018 00:18	WG1098249
Sulfate	458 J	J	77.4	5000	1	04/15/2018 00:18	WG1098249

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2450	B	102	1000	1	04/14/2018 21:12	WG1098241

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	20100		15.0	100	1	04/23/2018 16:54	WG1098660
Manganese	757		0.250	5.00	1	04/23/2018 16:54	WG1098660

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	39.4 U	B J	31.6	100	1	04/15/2018 18:16	WG1098558
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-122*		*04/15/2018 18:16*	WG1098558

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	24.6		0.287	0.678	1	04/18/2018 11:36	WG1099563
Ethane	U		0.296	1.29	1	04/18/2018 11:36	WG1099563
Ethene	U		0.422	1.27	1	04/18/2018 11:36	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	2.58 J	J JO	1.05	25.0	1	04/16/2018 08:12	WG1098661	
Acrylonitrile	U		0.873	5.00	1	04/16/2018 08:12	WG1098661	
Benzene	U		0.0896	0.500	1	04/16/2018 08:12	WG1098661	
Bromobenzene	U		0.133	0.500	1	04/16/2018 08:12	WG1098661	
Bromodichloromethane	U		0.0800	0.500	1	04/16/2018 08:12	WG1098661	
Bromochloromethane	U		0.145	0.500	1	04/16/2018 08:12	WG1098661	
Bromoform	U		0.186	0.500	1	04/16/2018 08:12	WG1098661	
Bromomethane	U		0.157	2.50	1	04/16/2018 08:12	WG1098661	
n-Butylbenzene	U		0.143	0.500	1	04/16/2018 08:12	WG1098661	
sec-Butylbenzene	U		0.134	0.500	1	04/16/2018 08:12	WG1098661	
tert-Butylbenzene	U		0.183	0.500	1	04/16/2018 08:12	WG1098661	
Carbon disulfide	U		0.101	0.500	1	04/16/2018 08:12	WG1098661	
Carbon tetrachloride	U		0.159	0.500	1	04/16/2018 08:12	WG1098661	JC 5/9/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/16/2018 08:12	WG1098661
Chlorodibromomethane	U		0.128	0.500	1	04/16/2018 08:12	WG1098661
Chloroethane	U		0.141	2.50	1	04/16/2018 08:12	WG1098661
Chloroform	0.224 J	J	0.0860	0.500	1	04/16/2018 08:12	WG1098661
Chloromethane	U		0.153	1.25	1	04/16/2018 08:12	WG1098661
2-Chlorotoluene	U		0.111	0.500	1	04/16/2018 08:12	WG1098661
4-Chlorotoluene	U		0.0972	0.500	1	04/16/2018 08:12	WG1098661
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/16/2018 08:12	WG1098661
1,2-Dibromoethane	U		0.193	0.500	1	04/16/2018 08:12	WG1098661
Dibromomethane	U		0.117	0.500	1	04/16/2018 08:12	WG1098661
1,2-Dichlorobenzene	U		0.101	0.500	1	04/16/2018 08:12	WG1098661
1,3-Dichlorobenzene	U		0.130	0.500	1	04/16/2018 08:12	WG1098661
1,4-Dichlorobenzene	U		0.121	0.500	1	04/16/2018 08:12	WG1098661
Dichlorodifluoromethane	U		0.127	2.50	1	04/16/2018 08:12	WG1098661
1,1-Dichloroethane	U		0.114	0.500	1	04/16/2018 08:12	WG1098661
1,2-Dichloroethane	U		0.108	0.500	1	04/16/2018 08:12	WG1098661
1,1-Dichloroethene	U		0.188	0.500	1	04/16/2018 08:12	WG1098661
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/16/2018 08:12	WG1098661
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/16/2018 08:12	WG1098661
1,2-Dichloropropane	U		0.190	0.500	1	04/16/2018 08:12	WG1098661
1,1-Dichloropropene	U		0.128	0.500	1	04/16/2018 08:12	WG1098661
1,3-Dichloropropane	U		0.147	1.00	1	04/16/2018 08:12	WG1098661
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/16/2018 08:12	WG1098661
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/16/2018 08:12	WG1098661
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/16/2018 08:12	WG1098661
2,2-Dichloropropane	U		0.0929	0.500	1	04/16/2018 08:12	WG1098661
Di-isopropyl ether	U		0.0924	0.500	1	04/16/2018 08:12	WG1098661
Ethylbenzene	U		0.158	0.500	1	04/16/2018 08:12	WG1098661
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/16/2018 08:12	WG1098661
2-Hexanone	U		0.757	5.00	1	04/16/2018 08:12	WG1098661
n-Hexane	U UJ	J0	0.305	5.00	1	04/16/2018 08:12	WG1098661
Iodomethane	U		0.377	10.0	1	04/16/2018 08:12	WG1098661
Isopropylbenzene	U		0.126	0.500	1	04/16/2018 08:12	WG1098661
p-Isopropyltoluene	U		0.138	0.500	1	04/16/2018 08:12	WG1098661
2-Butanone (MEK)	U		1.28	5.00	1	04/16/2018 08:12	WG1098661
Methylene Chloride	U		1.07	2.50	1	04/16/2018 08:12	WG1098661
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/16/2018 08:12	WG1098661
Methyl tert-butyl ether	U		0.102	0.500	1	04/16/2018 08:12	WG1098661
Naphthalene	U		0.174	2.50	1	04/16/2018 08:12	WG1098661
n-Propylbenzene	U		0.162	0.500	1	04/16/2018 08:12	WG1098661
Styrene	U		0.117	0.500	1	04/16/2018 08:12	WG1098661
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/16/2018 08:12	WG1098661
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/16/2018 08:12	WG1098661
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/16/2018 08:12	WG1098661
Tetrachloroethene	U		0.199	0.500	1	04/16/2018 08:12	WG1098661
Toluene	U		0.412	0.500	1	04/16/2018 08:12	WG1098661
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/16/2018 08:12	WG1098661
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/16/2018 08:12	WG1098661
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/16/2018 08:12	WG1098661
1,1,2-Trichloroethane	U		0.186	0.500	1	04/16/2018 08:12	WG1098661
Trichloroethene	U		0.153	0.500	1	04/16/2018 08:12	WG1098661
Trichlorofluoromethane	U		0.130	2.50	1	04/16/2018 08:12	WG1098661
1,2,3-Trichloropropane	U		0.247	2.50	1	04/16/2018 08:12	WG1098661
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/16/2018 08:12	WG1098661
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/16/2018 08:12	WG1098661
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/16/2018 08:12	WG1098661

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/16/2018 08:12	WG1098661
Vinyl chloride	U			0.118	0.500	1	04/16/2018 08:12	WG1098661
Xylenes, Total	U			0.316	1.50	1	04/16/2018 08:12	WG1098661
(S) Toluene-d8	*101*				*80.0-120*		*04/16/2018 08:12*	WG1098661
(S) Dibromofluoromethane	*102*				*76.0-123*		*04/16/2018 08:12*	WG1098661
(S) 4-Bromofluorobenzene	*110*				*80.0-120*		*04/16/2018 08:12*	WG1098661

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.1		1	04/17/2018 13:49	WG1099014

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0120	0.0602	1	04/16/2018 19:13	WG1098715	
Acrylonitrile	U		0.00215	0.0120	1	04/16/2018 19:13	WG1098715	
Benzene	0.000392	J J	0.000325	0.00120	1	04/16/2018 19:13	WG1098715	
Bromobenzene	U		0.000342	0.00120	1	04/16/2018 19:13	WG1098715	
Bromodichloromethane	U		0.000306	0.00120	1	04/16/2018 19:13	WG1098715	
Bromochloromethane	U		0.000469	0.00602	1	04/16/2018 19:13	WG1098715	
Bromoform	U		0.000510	0.00120	1	04/16/2018 19:13	WG1098715	
Bromomethane	U		0.00161	0.00602	1	04/16/2018 19:13	WG1098715	
n-Butylbenzene	U		0.000310	0.00120	1	04/16/2018 19:13	WG1098715	
sec-Butylbenzene	U		0.000242	0.00120	1	04/16/2018 19:13	WG1098715	
tert-Butylbenzene	U		0.000248	0.00120	1	04/16/2018 19:13	WG1098715	
Carbon disulfide	U		0.000266	0.00120	1	04/16/2018 19:13	WG1098715	
Carbon tetrachloride	U		0.000395	0.00120	1	04/16/2018 19:13	WG1098715	
Chlorobenzene	U		0.000255	0.00120	1	04/16/2018 19:13	WG1098715	
Chlorodibromomethane	U		0.000449	0.00120	1	04/16/2018 19:13	WG1098715	
Chloroethane	U		0.00114	0.00602	1	04/16/2018 19:13	WG1098715	
Chloroform	U		0.000276	0.00602	1	04/16/2018 19:13	WG1098715	
Chloromethane	U		0.000451	0.00301	1	04/16/2018 19:13	WG1098715	
2-Chlorotoluene	U		0.000362	0.00120	1	04/16/2018 19:13	WG1098715	
4-Chlorotoluene	U		0.000289	0.00120	1	04/16/2018 19:13	WG1098715	
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00602	1	04/16/2018 19:13	WG1098715	
1,2-Dibromoethane	U		0.000413	0.00120	1	04/16/2018 19:13	WG1098715	
Dibromomethane	U		0.000460	0.00120	1	04/16/2018 19:13	WG1098715	
1,2-Dichlorobenzene	U		0.000367	0.00120	1	04/16/2018 19:13	WG1098715	
1,3-Dichlorobenzene	U		0.000288	0.00120	1	04/16/2018 19:13	WG1098715	
1,4-Dichlorobenzene	U		0.000272	0.00120	1	04/16/2018 19:13	WG1098715	
Dichlorodifluoromethane	U	UJ J0	0.000858	0.00602	1	04/16/2018 19:13	WG1098715	
1,1-Dichloroethane	U		0.000239	0.00120	1	04/16/2018 19:13	WG1098715	
1,2-Dichloroethane	U		0.000319	0.00120	1	04/16/2018 19:13	WG1098715	
1,1-Dichloroethene	U		0.000365	0.00120	1	04/16/2018 19:13	WG1098715	
cis-1,2-Dichloroethene	U		0.000283	0.00120	1	04/16/2018 19:13	WG1098715	
trans-1,2-Dichloroethene	U		0.000318	0.00120	1	04/16/2018 19:13	WG1098715	
1,2-Dichloropropane	U		0.000431	0.00120	1	04/16/2018 19:13	WG1098715	
1,1-Dichloropropene	U		0.000381	0.00120	1	04/16/2018 19:13	WG1098715	
1,3-Dichloropropane	U		0.000249	0.00120	1	04/16/2018 19:13	WG1098715	
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	04/16/2018 19:13	WG1098715	
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	04/16/2018 19:13	WG1098715	
trans-1,4-Dichloro-2-butene	U		0.000936	0.00301	1	04/16/2018 19:13	WG1098715	
2,2-Dichloropropane	U		0.000336	0.00120	1	04/16/2018 19:13	WG1098715	
Di-isopropyl ether	U		0.000298	0.00120	1	04/16/2018 19:13	WG1098715	
Ethylbenzene	U		0.000357	0.00120	1	04/16/2018 19:13	WG1098715	
Hexachloro-1,3-butadiene	U		0.000412	0.00120	1	04/16/2018 19:13	WG1098715	
2-Hexanone	U		0.00165	0.0120	1	04/16/2018 19:13	WG1098715	
n-Hexane	U		0.000349	0.0120	1	04/16/2018 19:13	WG1098715	
Iodomethane	U		0.00304	0.0120	1	04/16/2018 19:13	WG1098715	
Isopropylbenzene	U		0.000292	0.00120	1	04/16/2018 19:13	WG1098715	
p-Isopropyltoluene	U		0.000245	0.00120	1	04/16/2018 19:13	WG1098715	
2-Butanone (MEK)	U		0.00563	0.0120	1	04/16/2018 19:13	WG1098715	JC 5/9/18
Methylene Chloride	U		0.00120	0.00602	1	04/16/2018 19:13	WG1098715	
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	04/16/2018 19:13	WG1098715	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	04/16/2018 19:13	WG1098715
Naphthalene	U		0.00120	0.00602	1	04/16/2018 19:13	WG1098715
n-Propylbenzene	U		0.000248	0.00120	1	04/16/2018 19:13	WG1098715
Styrene	U		0.000282	0.00120	1	04/16/2018 19:13	WG1098715
1,1,1,2-Tetrachloroethane	U		0.000318	0.00120	1	04/16/2018 19:13	WG1098715
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	04/16/2018 19:13	WG1098715
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	04/16/2018 19:13	WG1098715
Tetrachloroethene	U		0.000332	0.00120	1	04/16/2018 19:13	WG1098715
Toluene	U		0.000522	0.00602	1	04/16/2018 19:13	WG1098715
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	04/16/2018 19:13	WG1098715
1,2,4-Trichlorobenzene	U		0.000467	0.00120	1	04/16/2018 19:13	WG1098715
1,1,1-Trichloroethane	U		0.000344	0.00120	1	04/16/2018 19:13	WG1098715
1,1,2-Trichloroethane	U		0.000333	0.00120	1	04/16/2018 19:13	WG1098715
Trichloroethene	U		0.000336	0.00120	1	04/16/2018 19:13	WG1098715
Trichlorofluoromethane	U		0.000460	0.00602	1	04/16/2018 19:13	WG1098715
1,2,3-Trichloropropane	U		0.000892	0.00301	1	04/16/2018 19:13	WG1098715
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	04/16/2018 19:13	WG1098715
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	04/16/2018 19:13	WG1098715
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	04/16/2018 19:13	WG1098715
Vinyl acetate	U		0.00288	0.0120	1	04/16/2018 19:13	WG1098715
Vinyl chloride	U		0.000350	0.00120	1	04/16/2018 19:13	WG1098715
Xylenes, Total	U		0.000840	0.00361	1	04/16/2018 19:13	WG1098715
(S) Toluene-d8	*101*			*80.0-120*		*04/16/2018 19:13*	WG1098715
(S) Dibromofluoromethane	*94.8*			*74.0-131*		*04/16/2018 19:13*	WG1098715
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/16/2018 19:13*	WG1098715

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	214000		2710	20000	1	04/20/2018 22:40	WG1101238

Sample Narrative:
L985781-05 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	26800		51.9	1000	1	04/15/2018 00:34	WG1098249
Nitrate	U		22.7	100	1	04/15/2018 00:34	WG1098249
Sulfate	61400		77.4	5000	1	04/15/2018 00:34	WG1098249

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2950	B	204	2000	2	04/17/2018 11:36	WG1098960

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	20400		15.0	100	1	04/23/2018 17:00	WG1098660
Manganese	717		0.250	5.00	1	04/23/2018 17:00	WG1098660

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	37.6 U	B J	31.6	100	1	04/15/2018 18:40	WG1098558
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-122*		*04/15/2018 18:40*	WG1098558

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	702		0.287	0.678	1	04/18/2018 11:43	WG1099563
Ethane	5.81		0.296	1.29	1	04/18/2018 11:43	WG1099563
Ethene	7.55		0.422	1.27	1	04/18/2018 11:43	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.20 J	J	1.05	25.0	1	04/18/2018 01:05	WG1098661-4
Acrylonitrile	U		0.873	5.00	1	04/18/2018 01:05	WG1098661-4
Benzene	U		0.0896	0.500	1	04/18/2018 01:05	WG1098661-4
Bromobenzene	U		0.133	0.500	1	04/18/2018 01:05	WG1098661-4
Bromodichloromethane	U		0.0800	0.500	1	04/18/2018 01:05	WG1098661-4
Bromochloromethane	U		0.145	0.500	1	04/18/2018 01:05	WG1098661-4
Bromoform	U		0.186	0.500	1	04/18/2018 01:05	WG1098661-4
Bromomethane	U		0.157	2.50	1	04/18/2018 01:05	WG1098661-4
n-Butylbenzene	U		0.143	0.500	1	04/18/2018 01:05	WG1098661-4
sec-Butylbenzene	U		0.134	0.500	1	04/18/2018 01:05	WG1098661-4
tert-Butylbenzene	U		0.183	0.500	1	04/18/2018 01:05	WG1098661-4
Carbon disulfide	0.184 J	J	0.101	0.500	1	04/19/2018 12:44	WG1098661
Carbon tetrachloride	U		0.159	0.500	1	04/18/2018 01:05	WG1098661-4

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Chlorobenzene	U		0.140	0.500	1	04/18/2018 01:05	WG1098661-4	
Chlorodibromomethane	U		0.128	0.500	1	04/18/2018 01:05	WG1098661-4	
Chloroethane	U		0.141	2.50	1	04/18/2018 01:05	WG1098661-4	
Chloroform	U		0.0860	0.500	1	04/18/2018 01:05	WG1098661-4	
Chloromethane	U		0.153	1.25	1	04/18/2018 01:05	WG1098661-4	
2-Chlorotoluene	U		0.111	0.500	1	04/18/2018 01:05	WG1098661-4	
4-Chlorotoluene	U		0.0972	0.500	1	04/18/2018 01:05	WG1098661-4	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/18/2018 01:05	WG1098661-4	
1,2-Dibromoethane	U		0.193	0.500	1	04/18/2018 01:05	WG1098661-4	
Dibromomethane	U		0.117	0.500	1	04/18/2018 01:05	WG1098661-4	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/18/2018 01:05	WG1098661-4	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/18/2018 01:05	WG1098661-4	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/18/2018 01:05	WG1098661-4	
Dichlorodifluoromethane	U		0.127	2.50	1	04/18/2018 01:05	WG1098661-4	
1,1-Dichloroethane	U		0.114	0.500	1	04/18/2018 01:05	WG1098661-4	
1,2-Dichloroethane	U		0.108	0.500	1	04/18/2018 01:05	WG1098661-4	
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2018 01:05	WG1098661-4	
cis-1,2-Dichloroethene	1.31		0.0933	0.500	1	04/18/2018 01:05	WG1098661-4	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/18/2018 01:05	WG1098661-4	
1,2-Dichloropropane	U		0.190	0.500	1	04/18/2018 01:05	WG1098661-4	
1,1-Dichloropropene	U		0.128	0.500	1	04/18/2018 01:05	WG1098661-4	
1,3-Dichloropropane	U		0.147	1.00	1	04/18/2018 01:05	WG1098661-4	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/18/2018 01:05	WG1098661-4	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/18/2018 01:05	WG1098661-4	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/18/2018 01:05	WG1098661-4	
2,2-Dichloropropane	U		0.0929	0.500	1	04/18/2018 01:05	WG1098661-4	
Di-isopropyl ether	U		0.0924	0.500	1	04/18/2018 01:05	WG1098661-4	
Ethylbenzene	U		0.158	0.500	1	04/18/2018 01:05	WG1098661-4	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/18/2018 01:05	WG1098661-4	
2-Hexanone	U		0.757	5.00	1	04/18/2018 01:05	WG1098661-4	
n-Hexane	U		0.305	5.00	1	04/18/2018 01:05	WG1098661-4	
Iodomethane	U		0.377	10.0	1	04/18/2018 01:05	WG1098661-4	
Isopropylbenzene	U		0.126	0.500	1	04/18/2018 01:05	WG1098661-4	
p-Isopropyltoluene	U		0.138	0.500	1	04/18/2018 01:05	WG1098661-4	
2-Butanone (MEK)	U		1.28	5.00	1	04/18/2018 01:05	WG1098661-4	
Methylene Chloride	U		1.07	2.50	1	04/18/2018 01:05	WG1098661-4	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/18/2018 01:05	WG1098661-4	
Methyl tert-butyl ether	U		0.102	0.500	1	04/18/2018 01:05	WG1098661-4	
Naphthalene	U		0.174	2.50	1	04/18/2018 01:05	WG1098661-4	
n-Propylbenzene	U		0.162	0.500	1	04/18/2018 01:05	WG1098661-4	
Styrene	U		0.117	0.500	1	04/18/2018 01:05	WG1098661-4	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/18/2018 01:05	WG1098661-4	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/18/2018 01:05	WG1098661-4	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/18/2018 01:05	WG1098661-4	
Tetrachloroethene	5.33		0.199	0.500	1	04/18/2018 01:05	WG1098661-4	
Toluene	U		0.412	0.500	1	04/18/2018 01:05	WG1098661-4	
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2018 01:05	WG1098661-4	
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/18/2018 01:05	WG1098661-4	
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/18/2018 01:05	WG1098661-4	
1,1,2-Trichloroethane	U		0.186	0.500	1	04/18/2018 01:05	WG1098661-4	
Trichloroethene	1.68		0.153	0.500	1	04/18/2018 01:05	WG1098661-4	
Trichlorofluoromethane	U		0.130	2.50	1	04/18/2018 01:05	WG1098661-4	
1,2,3-Trichloropropane	U		0.247	2.50	1	04/18/2018 01:05	WG1098661-4	
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/18/2018 01:05	WG1098661-4	
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/18/2018 01:05	WG1098661-4	
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/18/2018 01:05	WG1098661-4	JC 5/9/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/18/2018 01:05	WG1098661-4
Vinyl chloride	8.79		0.118	0.500	1	04/18/2018 01:05	WG1098661-4
Xylenes, Total	U		0.316	1.50	1	04/18/2018 01:05	WG1098661-4
(S) Toluene-d8	*96.5*			*80.0-120*		*04/19/2018 12:44*	WG1098661
(S) Toluene-d8	*95.6*			*80.0-120*		*04/18/2018 01:05*	WG1098661-4
(S) Dibromofluoromethane	*98.3*			*76.0-123*		*04/19/2018 12:44*	WG1098661
(S) Dibromofluoromethane	*113*			*76.0-123*		*04/18/2018 01:05*	WG1098661-4
(S) 4-Bromofluorobenzene	*98.6*			*80.0-120*		*04/19/2018 12:44*	WG1098661
(S) 4-Bromofluorobenzene	*93.9*			*80.0-120*		*04/18/2018 01:05*	WG1098661-4

JC 5/9/18

ANALYTICAL REPORT

May 01, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L986193
Samples Received:	04/17/2018
Project Number:	1413.001.05.601
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

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MW-123-041418 L986193-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/14/18 14:58 | Received date/time: 04/17/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1099177	1	04/17/18 17:56	04/17/18 17:56	JHH

MW-134-041618 L986193-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/16/18 14:43 | Received date/time: 04/17/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1101238	1	04/20/18 23:17	04/20/18 23:17	MCG
Wet Chemistry by Method 9056A	WG1099090	1	04/17/18 17:21	04/17/18 17:21	DR
Wet Chemistry by Method 9060A	WG1099572	1	04/18/18 11:43	04/18/18 11:43	EG
Metals (ICPMS) by Method 6020A	WG1100552	1	04/23/18 13:26	04/24/18 15:10	LD
Metals (ICPMS) by Method 6020A	WG1100552	5	04/23/18 13:26	04/24/18 17:41	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1099057	1	04/17/18 20:44	04/17/18 20:44	DWR
Volatile Organic Compounds (GC) by Method RSK175	WG1099563	1	04/18/18 11:46	04/18/18 11:46	AMC
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1099177	1	04/17/18 18:16	04/17/18 18:16	JHH

MW-136-041618 L986193-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/16/18 13:16 | Received date/time: 04/17/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1101238	1	04/20/18 23:25	04/20/18 23:25	MCG
Wet Chemistry by Method 9056A	WG1099090	1	04/17/18 17:33	04/17/18 17:33	DR
Wet Chemistry by Method 9060A	WG1099572	5	04/18/18 11:54	04/18/18 11:54	EG
Metals (ICPMS) by Method 6020A	WG1100552	1	04/23/18 13:26	04/24/18 15:14	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1099057	1	04/17/18 21:06	04/17/18 21:06	DWR
Volatile Organic Compounds (GC) by Method RSK175	WG1099563	1	04/18/18 11:50	04/18/18 11:50	AMC
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1099177	1	04/17/18 18:36	04/17/18 18:36	JHH

MW-131-041618 L986193-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/16/18 15:31 | Received date/time: 04/17/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1101238	1	04/20/18 23:42	04/20/18 23:42	MCG
Wet Chemistry by Method 9056A	WG1099090	1	04/17/18 18:23	04/17/18 18:23	DR
Wet Chemistry by Method 9056A	WG1099090	5	04/17/18 18:35	04/17/18 18:35	DR
Wet Chemistry by Method 9060A	WG1098997	1	04/17/18 16:58	04/17/18 16:58	SJM
Metals (ICPMS) by Method 6020A	WG1100552	1	04/23/18 13:26	04/24/18 14:53	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1099057	1	04/17/18 21:28	04/17/18 21:28	DWR
Volatile Organic Compounds (GC) by Method RSK175	WG1099563	1	04/18/18 11:52	04/18/18 11:52	AMC
Volatile Organic Compounds (GC) by Method RSK175	WG1099563	25	04/18/18 11:56	04/18/18 11:56	AMC
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1099177	1	04/17/18 18:56	04/17/18 18:56	JHH

TRIP BLANK L986193-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/16/18 00:00 | Received date/time: 04/17/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1099057	1	04/17/18 15:36	04/17/18 15:36	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1099177	1	04/17/18 14:18	04/17/18 14:18	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.82	B J	1.05	25.0	1	04/17/2018 17:56	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 17:56	WG1099177
Benzene	U		0.0896	0.500	1	04/17/2018 17:56	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 17:56	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 17:56	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 17:56	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 17:56	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 17:56	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 17:56	WG1099177
sec-Butylbenzene	U		0.134	0.500	1	04/17/2018 17:56	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 17:56	WG1099177
Carbon disulfide	U		0.101	0.500	1	04/17/2018 17:56	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 17:56	WG1099177
Chlorobenzene	U		0.140	0.500	1	04/17/2018 17:56	WG1099177
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 17:56	WG1099177
Chloroethane	U		0.141	2.50	1	04/17/2018 17:56	WG1099177
Chloroform	U		0.0860	0.500	1	04/17/2018 17:56	WG1099177
Chloromethane	U		0.153	1.25	1	04/17/2018 17:56	WG1099177
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 17:56	WG1099177
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 17:56	WG1099177
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 17:56	WG1099177
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 17:56	WG1099177
Dibromomethane	U		0.117	0.500	1	04/17/2018 17:56	WG1099177
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 17:56	WG1099177
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 17:56	WG1099177
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 17:56	WG1099177
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 17:56	WG1099177
1,1-Dichloroethane	0.159	J	0.114	0.500	1	04/17/2018 17:56	WG1099177
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 17:56	WG1099177
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 17:56	WG1099177
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/17/2018 17:56	WG1099177
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/17/2018 17:56	WG1099177
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 17:56	WG1099177
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 17:56	WG1099177
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 17:56	WG1099177
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 17:56	WG1099177
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 17:56	WG1099177
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 17:56	WG1099177
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 17:56	WG1099177
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 17:56	WG1099177
Ethylbenzene	U		0.158	0.500	1	04/17/2018 17:56	WG1099177
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 17:56	WG1099177
2-Hexanone	U		0.757	5.00	1	04/17/2018 17:56	WG1099177
n-Hexane	U		0.305	5.00	1	04/17/2018 17:56	WG1099177
Iodomethane	U		0.377	10.0	1	04/17/2018 17:56	WG1099177
Isopropylbenzene	U		0.126	0.500	1	04/17/2018 17:56	WG1099177
p-Isopropyltoluene	U		0.138	0.500	1	04/17/2018 17:56	WG1099177
2-Butanone (MEK)	U		1.28	5.00	1	04/17/2018 17:56	WG1099177
Methylene Chloride	U		1.07	2.50	1	04/17/2018 17:56	WG1099177
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/17/2018 17:56	WG1099177
Methyl tert-butyl ether	U		0.102	0.500	1	04/17/2018 17:56	WG1099177
Naphthalene	U		0.174	2.50	1	04/17/2018 17:56	WG1099177
n-Propylbenzene	U		0.162	0.500	1	04/17/2018 17:56	WG1099177
Styrene	U		0.117	0.500	1	04/17/2018 17:56	WG1099177
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/17/2018 17:56	WG1099177
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/17/2018 17:56	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/17/2018 17:56	WG1099177
Tetrachloroethene	0.284	J	0.199	0.500	1	04/17/2018 17:56	WG1099177
Toluene	U		0.412	0.500	1	04/17/2018 17:56	WG1099177
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2018 17:56	WG1099177
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/17/2018 17:56	WG1099177
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/17/2018 17:56	WG1099177
1,1,2-Trichloroethane	U		0.186	0.500	1	04/17/2018 17:56	WG1099177
Trichloroethene	U		0.153	0.500	1	04/17/2018 17:56	WG1099177
Trichlorofluoromethane	U		0.130	2.50	1	04/17/2018 17:56	WG1099177
1,2,3-Trichloropropane	U		0.247	2.50	1	04/17/2018 17:56	WG1099177
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/17/2018 17:56	WG1099177
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/17/2018 17:56	WG1099177
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/17/2018 17:56	WG1099177
Vinyl acetate	U		0.645	5.00	1	04/17/2018 17:56	WG1099177
Vinyl chloride	U		0.118	0.500	1	04/17/2018 17:56	WG1099177
Xylenes, Total	U		0.316	1.50	1	04/17/2018 17:56	WG1099177
(S) Toluene-d8	*101*			*80.0-120*		*04/17/2018 17:56*	WG1099177
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/17/2018 17:56*	WG1099177
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/17/2018 17:56*	WG1099177

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	298000		2710	20000	1	04/20/2018 23:17	WG1101238

Sample Narrative:

L986193-02 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	38300		51.9	1000	1	04/17/2018 17:21	WG1099090
Nitrate	U		22.7	100	1	04/17/2018 17:21	WG1099090
Sulfate	1300	J	77.4	5000	1	04/17/2018 17:21	WG1099090

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3270		102	1000	1	04/18/2018 11:43	WG1099572

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	292000		75.0	500	5	04/24/2018 17:41	WG1100552
Manganese	5000		0.250	5.00	1	04/24/2018 15:10	WG1100552

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	42.1	B J	31.6	100	1	04/17/2018 20:44	WG1099057
(S) a,a,a-Trifluorotoluene(FID)	*89.9*			*77.0-122*		*04/17/2018 20:44*	WG1099057

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	5200		0.287	0.678	1	04/18/2018 11:46	WG1099563
Ethane	61.3		0.296	1.29	1	04/18/2018 11:46	WG1099563
Ethene	952		0.422	1.27	1	04/18/2018 11:46	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.11	B J	1.05	25.0	1	04/17/2018 18:16	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 18:16	WG1099177
Benzene	U		0.0896	0.500	1	04/17/2018 18:16	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 18:16	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 18:16	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 18:16	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 18:16	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 18:16	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 18:16	WG1099177
sec-Butylbenzene	U		0.134	0.500	1	04/17/2018 18:16	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 18:16	WG1099177
Carbon disulfide	0.874		0.101	0.500	1	04/17/2018 18:16	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 18:16	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/17/2018 18:16	WG1099177
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 18:16	WG1099177
Chloroethane	U		0.141	2.50	1	04/17/2018 18:16	WG1099177
Chloroform	U		0.0860	0.500	1	04/17/2018 18:16	WG1099177
Chloromethane	U		0.153	1.25	1	04/17/2018 18:16	WG1099177
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 18:16	WG1099177
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 18:16	WG1099177
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 18:16	WG1099177
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 18:16	WG1099177
Dibromomethane	U		0.117	0.500	1	04/17/2018 18:16	WG1099177
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 18:16	WG1099177
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 18:16	WG1099177
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 18:16	WG1099177
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 18:16	WG1099177
1,1-Dichloroethane	U		0.114	0.500	1	04/17/2018 18:16	WG1099177
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 18:16	WG1099177
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 18:16	WG1099177
cis-1,2-Dichloroethene	0.287	J	0.0933	0.500	1	04/17/2018 18:16	WG1099177
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/17/2018 18:16	WG1099177
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 18:16	WG1099177
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 18:16	WG1099177
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 18:16	WG1099177
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 18:16	WG1099177
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 18:16	WG1099177
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 18:16	WG1099177
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 18:16	WG1099177
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 18:16	WG1099177
Ethylbenzene	U		0.158	0.500	1	04/17/2018 18:16	WG1099177
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 18:16	WG1099177
2-Hexanone	U		0.757	5.00	1	04/17/2018 18:16	WG1099177
n-Hexane	U		0.305	5.00	1	04/17/2018 18:16	WG1099177
Iodomethane	U		0.377	10.0	1	04/17/2018 18:16	WG1099177
Isopropylbenzene	U		0.126	0.500	1	04/17/2018 18:16	WG1099177
p-Isopropyltoluene	U		0.138	0.500	1	04/17/2018 18:16	WG1099177
2-Butanone (MEK)	U		1.28	5.00	1	04/17/2018 18:16	WG1099177
Methylene Chloride	U		1.07	2.50	1	04/17/2018 18:16	WG1099177
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/17/2018 18:16	WG1099177
Methyl tert-butyl ether	U		0.102	0.500	1	04/17/2018 18:16	WG1099177
Naphthalene	U		0.174	2.50	1	04/17/2018 18:16	WG1099177
n-Propylbenzene	U		0.162	0.500	1	04/17/2018 18:16	WG1099177
Styrene	U		0.117	0.500	1	04/17/2018 18:16	WG1099177
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/17/2018 18:16	WG1099177
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/17/2018 18:16	WG1099177
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/17/2018 18:16	WG1099177
Tetrachloroethene	1.49		0.199	0.500	1	04/17/2018 18:16	WG1099177
Toluene	U		0.412	0.500	1	04/17/2018 18:16	WG1099177
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2018 18:16	WG1099177
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/17/2018 18:16	WG1099177
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/17/2018 18:16	WG1099177
1,1,2-Trichloroethane	U		0.186	0.500	1	04/17/2018 18:16	WG1099177
Trichloroethene	U		0.153	0.500	1	04/17/2018 18:16	WG1099177
Trichlorofluoromethane	U		0.130	2.50	1	04/17/2018 18:16	WG1099177
1,2,3-Trichloropropane	U		0.247	2.50	1	04/17/2018 18:16	WG1099177
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/17/2018 18:16	WG1099177
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/17/2018 18:16	WG1099177
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/17/2018 18:16	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/17/2018 18:16	WG1099177
Vinyl chloride	68.6		0.118	0.500	1	04/17/2018 18:16	WG1099177
Xylenes, Total	U		0.316	1.50	1	04/17/2018 18:16	WG1099177
(S) Toluene-d8	*97.1*			*80.0-120*		*04/17/2018 18:16*	WG1099177
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/17/2018 18:16*	WG1099177
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/17/2018 18:16*	WG1099177

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	241000		2710	20000	1	04/20/2018 23:25	WG1101238

Sample Narrative:

L986193-03 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	22100		51.9	1000	1	04/17/2018 17:33	WG1099090
Nitrate	165		22.7	100	1	04/17/2018 17:33	WG1099090
Sulfate	638	J	77.4	5000	1	04/17/2018 17:33	WG1099090

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	15100		510	5000	5	04/18/2018 11:54	WG1099572

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	21400		15.0	100	1	04/24/2018 15:14	WG1100552
Manganese	618		0.250	5.00	1	04/24/2018 15:14	WG1100552

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	256	B	31.6	100	1	04/17/2018 21:06	WG1099057
(S) a,a,a-Trifluorotoluene(FID)	*89.7*			*77.0-122*		*04/17/2018 21:06*	WG1099057

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	5510		0.287	0.678	1	04/18/2018 11:50	WG1099563
Ethane	8.52		0.296	1.29	1	04/18/2018 11:50	WG1099563
Ethene	5.77		0.422	1.27	1	04/18/2018 11:50	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	14.5	J	1.05	25.0	1	04/17/2018 18:36	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 18:36	WG1099177
Benzene	0.260	J	0.0896	0.500	1	04/17/2018 18:36	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 18:36	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 18:36	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 18:36	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 18:36	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 18:36	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 18:36	WG1099177
sec-Butylbenzene	0.175	J	0.134	0.500	1	04/17/2018 18:36	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 18:36	WG1099177
Carbon disulfide	0.378	J	0.101	0.500	1	04/17/2018 18:36	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 18:36	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/17/2018 18:36	WG1099177
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 18:36	WG1099177
Chloroethane	U		0.141	2.50	1	04/17/2018 18:36	WG1099177
Chloroform	U		0.0860	0.500	1	04/17/2018 18:36	WG1099177
Chloromethane	U		0.153	1.25	1	04/17/2018 18:36	WG1099177
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 18:36	WG1099177
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 18:36	WG1099177
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 18:36	WG1099177
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 18:36	WG1099177
Dibromomethane	U		0.117	0.500	1	04/17/2018 18:36	WG1099177
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 18:36	WG1099177
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 18:36	WG1099177
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 18:36	WG1099177
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 18:36	WG1099177
1,1-Dichloroethane	U		0.114	0.500	1	04/17/2018 18:36	WG1099177
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 18:36	WG1099177
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 18:36	WG1099177
cis-1,2-Dichloroethene	4.73		0.0933	0.500	1	04/17/2018 18:36	WG1099177
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/17/2018 18:36	WG1099177
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 18:36	WG1099177
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 18:36	WG1099177
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 18:36	WG1099177
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 18:36	WG1099177
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 18:36	WG1099177
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 18:36	WG1099177
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 18:36	WG1099177
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 18:36	WG1099177
Ethylbenzene	4.83		0.158	0.500	1	04/17/2018 18:36	WG1099177
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 18:36	WG1099177
2-Hexanone	U		0.757	5.00	1	04/17/2018 18:36	WG1099177
n-Hexane	U		0.305	5.00	1	04/17/2018 18:36	WG1099177
Iodomethane	U		0.377	10.0	1	04/17/2018 18:36	WG1099177
Isopropylbenzene	0.582		0.126	0.500	1	04/17/2018 18:36	WG1099177
p-Isopropyltoluene	0.573		0.138	0.500	1	04/17/2018 18:36	WG1099177
2-Butanone (MEK)	76.4	J0	1.28	5.00	1	04/17/2018 18:36	WG1099177
Methylene Chloride	U		1.07	2.50	1	04/17/2018 18:36	WG1099177
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/17/2018 18:36	WG1099177
Methyl tert-butyl ether	U		0.102	0.500	1	04/17/2018 18:36	WG1099177
Naphthalene	1.18	J	0.174	2.50	1	04/17/2018 18:36	WG1099177
n-Propylbenzene	2.04		0.162	0.500	1	04/17/2018 18:36	WG1099177
Styrene	U		0.117	0.500	1	04/17/2018 18:36	WG1099177
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/17/2018 18:36	WG1099177
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/17/2018 18:36	WG1099177
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/17/2018 18:36	WG1099177
Tetrachloroethene	2.59		0.199	0.500	1	04/17/2018 18:36	WG1099177
Toluene	1.83		0.412	0.500	1	04/17/2018 18:36	WG1099177
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2018 18:36	WG1099177
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/17/2018 18:36	WG1099177
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/17/2018 18:36	WG1099177
1,1,2-Trichloroethane	U		0.186	0.500	1	04/17/2018 18:36	WG1099177
Trichloroethene	0.365	J	0.153	0.500	1	04/17/2018 18:36	WG1099177
Trichlorofluoromethane	U		0.130	2.50	1	04/17/2018 18:36	WG1099177
1,2,3-Trichloropropane	U		0.247	2.50	1	04/17/2018 18:36	WG1099177
1,2,4-Trimethylbenzene	17.4		0.123	0.500	1	04/17/2018 18:36	WG1099177
1,2,3-Trimethylbenzene	4.40		0.0739	0.500	1	04/17/2018 18:36	WG1099177
1,3,5-Trimethylbenzene	5.31		0.124	0.500	1	04/17/2018 18:36	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/17/2018 18:36	WG1099177
Vinyl chloride	8.57		0.118	0.500	1	04/17/2018 18:36	WG1099177
Xylenes, Total	25.9		0.316	1.50	1	04/17/2018 18:36	WG1099177
(S) Toluene-d8	*98.1*			*80.0-120*		*04/17/2018 18:36*	WG1099177
(S) Dibromofluoromethane	*98.4*			*76.0-123*		*04/17/2018 18:36*	WG1099177
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/17/2018 18:36*	WG1099177

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	712000		2710	20000	1	04/20/2018 23:42	WG1101238

Sample Narrative:

L986193-04 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	114000		260	5000	5	04/17/2018 18:35	WG1099090
Nitrate	U		22.7	100	1	04/17/2018 18:23	WG1099090
Sulfate	U		77.4	5000	1	04/17/2018 18:23	WG1099090

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	44200		102	1000	1	04/17/2018 16:58	WG1098997

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	7970		15.0	100	1	04/24/2018 14:53	WG1100552
Manganese	1190		0.250	5.00	1	04/24/2018 14:53	WG1100552

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	55.3	B J	31.6	100	1	04/17/2018 21:28	WG1099057
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-122*		*04/17/2018 21:28*	WG1099057

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	29900		7.18	17.0	25	04/18/2018 11:56	WG1099563
Ethane	329		0.296	1.29	1	04/18/2018 11:52	WG1099563
Ethene	467		0.422	1.27	1	04/18/2018 11:52	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	58.4		1.05	25.0	1	04/17/2018 18:56	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 18:56	WG1099177
Benzene	0.142	J	0.0896	0.500	1	04/17/2018 18:56	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 18:56	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 18:56	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 18:56	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 18:56	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 18:56	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 18:56	WG1099177
sec-Butylbenzene	U		0.134	0.500	1	04/17/2018 18:56	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 18:56	WG1099177
Carbon disulfide	U		0.101	0.500	1	04/17/2018 18:56	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 18:56	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/17/2018 18:56	WG1099177
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 18:56	WG1099177
Chloroethane	U		0.141	2.50	1	04/17/2018 18:56	WG1099177
Chloroform	U		0.0860	0.500	1	04/17/2018 18:56	WG1099177
Chloromethane	U		0.153	1.25	1	04/17/2018 18:56	WG1099177
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 18:56	WG1099177
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 18:56	WG1099177
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 18:56	WG1099177
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 18:56	WG1099177
Dibromomethane	U		0.117	0.500	1	04/17/2018 18:56	WG1099177
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 18:56	WG1099177
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 18:56	WG1099177
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 18:56	WG1099177
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 18:56	WG1099177
1,1-Dichloroethane	U		0.114	0.500	1	04/17/2018 18:56	WG1099177
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 18:56	WG1099177
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 18:56	WG1099177
cis-1,2-Dichloroethene	10.4		0.0933	0.500	1	04/17/2018 18:56	WG1099177
trans-1,2-Dichloroethene	0.276	J	0.152	0.500	1	04/17/2018 18:56	WG1099177
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 18:56	WG1099177
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 18:56	WG1099177
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 18:56	WG1099177
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 18:56	WG1099177
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 18:56	WG1099177
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 18:56	WG1099177
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 18:56	WG1099177
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 18:56	WG1099177
Ethylbenzene	U		0.158	0.500	1	04/17/2018 18:56	WG1099177
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 18:56	WG1099177
2-Hexanone	U		0.757	5.00	1	04/17/2018 18:56	WG1099177
n-Hexane	U		0.305	5.00	1	04/17/2018 18:56	WG1099177
Iodomethane	U		0.377	10.0	1	04/17/2018 18:56	WG1099177
Isopropylbenzene	U		0.126	0.500	1	04/17/2018 18:56	WG1099177
p-Isopropyltoluene	U		0.138	0.500	1	04/17/2018 18:56	WG1099177
2-Butanone (MEK)	13.2	J0	1.28	5.00	1	04/17/2018 18:56	WG1099177
Methylene Chloride	U		1.07	2.50	1	04/17/2018 18:56	WG1099177
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/17/2018 18:56	WG1099177
Methyl tert-butyl ether	U		0.102	0.500	1	04/17/2018 18:56	WG1099177
Naphthalene	U		0.174	2.50	1	04/17/2018 18:56	WG1099177
n-Propylbenzene	U		0.162	0.500	1	04/17/2018 18:56	WG1099177
Styrene	U		0.117	0.500	1	04/17/2018 18:56	WG1099177
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/17/2018 18:56	WG1099177
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/17/2018 18:56	WG1099177
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/17/2018 18:56	WG1099177
Tetrachloroethene	7.05		0.199	0.500	1	04/17/2018 18:56	WG1099177
Toluene	U		0.412	0.500	1	04/17/2018 18:56	WG1099177
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2018 18:56	WG1099177
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/17/2018 18:56	WG1099177
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/17/2018 18:56	WG1099177
1,1,2-Trichloroethane	U		0.186	0.500	1	04/17/2018 18:56	WG1099177
Trichloroethene	3.25		0.153	0.500	1	04/17/2018 18:56	WG1099177
Trichlorofluoromethane	U		0.130	2.50	1	04/17/2018 18:56	WG1099177
1,2,3-Trichloropropane	U		0.247	2.50	1	04/17/2018 18:56	WG1099177
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/17/2018 18:56	WG1099177
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/17/2018 18:56	WG1099177
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/17/2018 18:56	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/17/2018 18:56	WG1099177
Vinyl chloride	18.0		0.118	0.500	1	04/17/2018 18:56	WG1099177
Xylenes, Total	U		0.316	1.50	1	04/17/2018 18:56	WG1099177
(S) Toluene-d8	*108*			*80.0-120*		*04/17/2018 18:56*	WG1099177
(S) Dibromofluoromethane	*97.5*			*76.0-123*		*04/17/2018 18:56*	WG1099177
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/17/2018 18:56*	WG1099177

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/17/2018 15:36	WG1099057
(S) a,a,a-Trifluorotoluene(FID)	*90.4*			*77.0-122*		*04/17/2018 15:36*	WG1099057

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.08	B J	1.05	25.0	1	04/17/2018 14:18	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 14:18	WG1099177
Benzene	U		0.0896	0.500	1	04/17/2018 14:18	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 14:18	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 14:18	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 14:18	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 14:18	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 14:18	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 14:18	WG1099177
sec-Butylbenzene	U		0.134	0.500	1	04/17/2018 14:18	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 14:18	WG1099177
Carbon disulfide	U		0.101	0.500	1	04/17/2018 14:18	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 14:18	WG1099177
Chlorobenzene	U		0.140	0.500	1	04/17/2018 14:18	WG1099177
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 14:18	WG1099177
Chloroethane	U		0.141	2.50	1	04/17/2018 14:18	WG1099177
Chloroform	U		0.0860	0.500	1	04/17/2018 14:18	WG1099177
Chloromethane	U		0.153	1.25	1	04/17/2018 14:18	WG1099177
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 14:18	WG1099177
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 14:18	WG1099177
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 14:18	WG1099177
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 14:18	WG1099177
Dibromomethane	U		0.117	0.500	1	04/17/2018 14:18	WG1099177
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 14:18	WG1099177
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 14:18	WG1099177
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 14:18	WG1099177
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 14:18	WG1099177
1,1-Dichloroethane	U		0.114	0.500	1	04/17/2018 14:18	WG1099177
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 14:18	WG1099177
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 14:18	WG1099177
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/17/2018 14:18	WG1099177
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/17/2018 14:18	WG1099177
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 14:18	WG1099177
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 14:18	WG1099177
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 14:18	WG1099177
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 14:18	WG1099177
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 14:18	WG1099177
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 14:18	WG1099177
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 14:18	WG1099177
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 14:18	WG1099177
Ethylbenzene	U		0.158	0.500	1	04/17/2018 14:18	WG1099177
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 14:18	WG1099177
2-Hexanone	U		0.757	5.00	1	04/17/2018 14:18	WG1099177
n-Hexane	U		0.305	5.00	1	04/17/2018 14:18	WG1099177
Iodomethane	U		0.377	10.0	1	04/17/2018 14:18	WG1099177
Isopropylbenzene	U		0.126	0.500	1	04/17/2018 14:18	WG1099177
p-Isopropyltoluene	U		0.138	0.500	1	04/17/2018 14:18	WG1099177
2-Butanone (MEK)	U		1.28	5.00	1	04/17/2018 14:18	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/17/2018 14:18	WG1099177
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/17/2018 14:18	WG1099177
Methyl tert-butyl ether	U		0.102	0.500	1	04/17/2018 14:18	WG1099177
Naphthalene	U		0.174	2.50	1	04/17/2018 14:18	WG1099177
n-Propylbenzene	U		0.162	0.500	1	04/17/2018 14:18	WG1099177
Styrene	U		0.117	0.500	1	04/17/2018 14:18	WG1099177
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/17/2018 14:18	WG1099177
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/17/2018 14:18	WG1099177
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/17/2018 14:18	WG1099177
Tetrachloroethene	U		0.199	0.500	1	04/17/2018 14:18	WG1099177
Toluene	U		0.412	0.500	1	04/17/2018 14:18	WG1099177
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2018 14:18	WG1099177
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/17/2018 14:18	WG1099177
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/17/2018 14:18	WG1099177
1,1,2-Trichloroethane	U		0.186	0.500	1	04/17/2018 14:18	WG1099177
Trichloroethene	U		0.153	0.500	1	04/17/2018 14:18	WG1099177
Trichlorofluoromethane	U		0.130	2.50	1	04/17/2018 14:18	WG1099177
1,2,3-Trichloropropane	U		0.247	2.50	1	04/17/2018 14:18	WG1099177
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/17/2018 14:18	WG1099177
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/17/2018 14:18	WG1099177
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/17/2018 14:18	WG1099177
Vinyl acetate	U		0.645	5.00	1	04/17/2018 14:18	WG1099177
Vinyl chloride	U		0.118	0.500	1	04/17/2018 14:18	WG1099177
Xylenes, Total	U		0.316	1.50	1	04/17/2018 14:18	WG1099177
(S) Toluene-d8	*98.9*			*80.0-120*		*04/17/2018 14:18*	WG1099177
(S) Dibromofluoromethane	*98.6*			*76.0-123*		*04/17/2018 14:18*	WG1099177
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/17/2018 14:18*	WG1099177

L984575-23 Original Sample (OS) • Duplicate (DUP)

(OS) L984575-23 04/20/18 22:13 • (DUP) R3303729-1 04/20/18 22:24

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	253000	257000	1	1.46		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

L986317-05 Original Sample (OS) • Duplicate (DUP)

(OS) L986317-05 04/21/18 19:13 • (DUP) R3303729-5 04/21/18 19:19

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	U	0.000	1	0.000		20

Sample Narrative:
OS: Endpoint pH 4.5
DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3303729-2 04/20/18 23:33 • (LCSD) R3303729-3 04/21/18 00:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	99500	99600	99.5	99.6	85.0-115			0.115	20

Sample Narrative:
LCS: Endpoint pH 4.5
LCSD: Endpoint pH 4.5

Method Blank (MB)

(MB) R3302600-1 04/17/18 07:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L986193-03 Original Sample (OS) • Duplicate (DUP)

(OS) L986193-03 04/17/18 17:33 • (DUP) R3302600-4 04/17/18 17:45

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	22100	22100	1	0.0289		15
Nitrate	165	167	1	1.33		15

L986254-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986254-01 04/17/18 19:37 • (DUP) R3302600-7 04/17/18 19:50

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	9530	9650	1	1.25		15
Nitrate	1850	2030	1	9.18		15
Sulfate	5330	5360	1	0.616		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302600-2 04/17/18 07:16 • (LCSD) R3302600-3 04/17/18 07:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40000	39000	39100	97.6	97.7	80.0-120			0.0868	15
Nitrate	8000	8000	7990	100	99.9	80.0-120			0.0751	15
Sulfate	40000	40300	40300	101	101	80.0-120			0.0600	15

L986193-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L986193-03 04/17/18 17:33 • (MS) R3302600-5 04/17/18 17:58 • (MSD) R3302600-6 04/17/18 18:10

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	22100	70900	70700	97.6	97.1	1	80.0-120			0.343	15
Nitrate	5000	165	5010	4980	96.9	96.3	1	80.0-120			0.606	15

L986254-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L986254-01 04/17/18 19:37 • (MS) R3302600-8 04/17/18 20:02

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	9530	59700	100	1	80.0-120	
Nitrate	5000	1850	6830	99.6	1	80.0-120	
Sulfate	50000	5330	56400	102	1	80.0-120	

Method Blank (MB)

(MB) R3302636-1 04/17/18 07:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	U		102	1000

L986167-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986167-01 04/17/18 13:15 • (DUP) R3302636-4 04/17/18 13:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	3250	3380	1	3.96		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302636-2 04/17/18 08:58 • (LCSD) R3302636-3 04/17/18 11:13

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
TOC (Total Organic Carbon)	75000	70400	70100	93.9	93.5	85.0-115			0.427	20

L986167-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L986167-02 04/17/18 13:46 • (MS) R3302636-5 04/17/18 14:04 • (MSD) R3302636-6 04/17/18 14:22

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	5520	52200	52500	93.4	93.9	1	80.0-120			0.439	20

Method Blank (MB)

(MB) R3302946-1 04/18/18 08:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	184	J	102	1000

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302946-2 04/18/18 09:33 • (LCSD) R3302946-4 04/18/18 12:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TOC	75000	74800	74900	99.8	99.9	85.0-115			0.134	20

Method Blank (MB)

(MB) R3304296-1 04/24/18 14:40

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	0.294	J	0.250	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304296-2 04/24/18 14:44 • (LCSD) R3304296-3 04/24/18 14:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	5000	4340	4920	86.9	98.5	80.0-120			12.5	20
Manganese	50.0	40.2	46.4	80.4	92.7	80.0-120			14.3	20

L986193-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L986193-04 04/24/18 14:53 • (MS) R3304296-5 04/24/18 15:01 • (MSD) R3304296-6 04/24/18 15:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	7970	12700	12600	94.2	92.8	1	75.0-125			0.561	20
Manganese	50.0	1190	1230	1230	83.8	77.9	1	75.0-125			0.243	20

Method Blank (MB)

(MB) R3302680-3 04/17/18 14:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	35.2	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302680-1 04/17/18 13:03 • (LCSD) R3302680-2 04/17/18 13:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4910	5140	89.3	93.4	72.0-134			4.52	20
(S) a,a,a-Trifluorotoluene(FID)				*96.4*	*96.6*	*77.0-122*				

Method Blank (MB)

(MB) R3302785-1 04/18/18 11:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L986131-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986131-01 04/18/18 11:17 • (DUP) R3302785-2 04/18/18 11:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	515	507	1	1.63		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L986149-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986149-01 04/18/18 11:23 • (DUP) R3302785-3 04/18/18 11:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	20.6	17.0	1	18.9		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L986577-01 Original Sample (OS) • Duplicate (DUP)

(OS) L986577-01 04/18/18 13:05 • (DUP) R3302785-4 04/18/18 13:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302785-5 04/18/18 13:11 • (LCSD) R3302785-6 04/18/18 13:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	76.2	73.0	112	108	85.0-115			4.34	20
Ethane	129	124	117	96.0	90.4	85.0-115			5.95	20
Ethene	127	127	120	100	94.2	85.0-115			6.29	20

Method Blank (MB)

(MB) R3302667-2 04/17/18 13:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	1.06	J	1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
n-Hexane	U		0.305	5.00

Method Blank (MB)

(MB) R3302667-2 04/17/18 13:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
Isopropylbenzene	U		0.126	0.500
Iodomethane	U		0.377	10.0
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
Vinyl chloride	U		0.118	0.500
Vinyl acetate	U		0.645	5.00
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*98.4*			*80.0-120*
(S) Dibromofluoromethane	*100*			*76.0-123*
(S) 4-Bromofluorobenzene	*106*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3302667-1 04/17/18 11:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	142	114	10.0-160	
Acrylonitrile	125	128	102	60.0-142	
Benzene	25.0	24.6	98.2	69.0-123	
Bromobenzene	25.0	24.0	96.2	79.0-120	
Bromodichloromethane	25.0	23.9	95.7	76.0-120	
Bromochloromethane	25.0	26.0	104	76.0-122	
Bromoform	25.0	28.7	115	67.0-132	
Bromomethane	25.0	25.0	100	18.0-160	
n-Hexane	25.0	27.6	110	56.0-124	
n-Butylbenzene	25.0	25.6	102	72.0-126	
sec-Butylbenzene	25.0	24.5	97.9	74.0-121	
tert-Butylbenzene	25.0	24.4	97.7	75.0-122	
Carbon disulfide	25.0	26.3	105	55.0-127	
Carbon tetrachloride	25.0	26.9	107	63.0-122	
Chlorobenzene	25.0	22.9	91.5	79.0-121	
Chlorodibromomethane	25.0	28.1	112	75.0-125	
Chloroethane	25.0	23.9	95.5	47.0-152	
Chloroform	25.0	25.1	100	72.0-121	
Chloromethane	25.0	24.0	96.0	48.0-139	
2-Chlorotoluene	25.0	21.5	86.1	74.0-122	
1,2-Dibromo-3-Chloropropane	25.0	25.4	102	64.0-127	
4-Chlorotoluene	25.0	24.8	99.0	79.0-120	
1,2-Dibromoethane	25.0	22.3	89.0	77.0-123	
1,2-Dichlorobenzene	25.0	24.5	98.0	80.0-120	
Dibromomethane	25.0	23.4	93.6	78.0-120	
1,3-Dichlorobenzene	25.0	24.6	98.3	72.0-123	
1,4-Dichlorobenzene	25.0	23.7	94.7	77.0-120	
Dichlorodifluoromethane	25.0	22.5	90.0	49.0-155	
trans-1,4-Dichloro-2-butene	25.0	27.1	108	55.0-134	
1,1-Dichloroethane	25.0	26.6	106	70.0-126	
1,2-Dichloroethane	25.0	26.6	107	67.0-126	
1,1-Dichloroethene	25.0	25.6	102	64.0-129	
cis-1,2-Dichloroethene	25.0	25.2	101	73.0-120	
trans-1,2-Dichloroethene	25.0	26.3	105	71.0-121	
1,2-Dichloropropane	25.0	22.6	90.6	75.0-125	
1,1-Dichloropropene	25.0	25.8	103	71.0-129	
1,3-Dichloropropane	25.0	24.9	99.4	80.0-121	
cis-1,3-Dichloropropene	25.0	25.6	102	79.0-123	
trans-1,3-Dichloropropene	25.0	25.6	102	74.0-127	
2,2-Dichloropropane	25.0	28.5	114	60.0-125	

Laboratory Control Sample (LCS)

(LCS) R3302667-1 04/17/18 11:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	25.0	28.3	113	59.0-133	
Ethylbenzene	25.0	23.1	92.6	77.0-120	
2-Hexanone	125	115	92.1	58.0-147	
Hexachloro-1,3-butadiene	25.0	26.1	104	64.0-131	
Iodomethane	125	127	101	57.0-140	
Isopropylbenzene	25.0	23.9	95.7	75.0-120	
p-Isopropyltoluene	25.0	25.9	104	74.0-126	
2-Butanone (MEK)	125	159	127	37.0-158	
Methylene Chloride	25.0	24.8	99.3	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	115	91.7	59.0-143	
Methyl tert-butyl ether	25.0	27.2	109	64.0-123	
Naphthalene	25.0	26.1	104	62.0-128	
n-Propylbenzene	25.0	24.1	96.5	79.0-120	
Styrene	25.0	25.5	102	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	24.3	97.1	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	23.1	92.5	71.0-122	
Tetrachloroethene	25.0	25.9	104	70.0-127	
Toluene	25.0	25.5	102	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	26.2	105	61.0-136	
1,2,3-Trichlorobenzene	25.0	26.4	106	61.0-133	
1,2,4-Trichlorobenzene	25.0	25.4	101	69.0-129	
1,1,1-Trichloroethane	25.0	26.8	107	68.0-122	
1,1,2-Trichloroethane	25.0	27.0	108	78.0-120	
Trichloroethene	25.0	25.1	100	78.0-120	
Trichlorofluoromethane	25.0	23.3	93.3	56.0-137	
1,2,3-Trichloropropane	25.0	21.9	87.7	72.0-124	
1,2,3-Trimethylbenzene	25.0	24.9	99.7	75.0-120	
1,2,4-Trimethylbenzene	25.0	24.8	99.1	75.0-120	
1,3,5-Trimethylbenzene	25.0	21.8	87.2	75.0-120	
Vinyl acetate	125	152	121	46.0-160	
Vinyl chloride	25.0	26.0	104	64.0-133	
Xylenes, Total	75.0	72.2	96.3	77.0-120	
(S) Toluene-d8			*102*	*80.0-120*	
(S) Dibromofluoromethane			*98.0*	*76.0-123*	
(S) 4-Bromofluorobenzene			*95.5*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

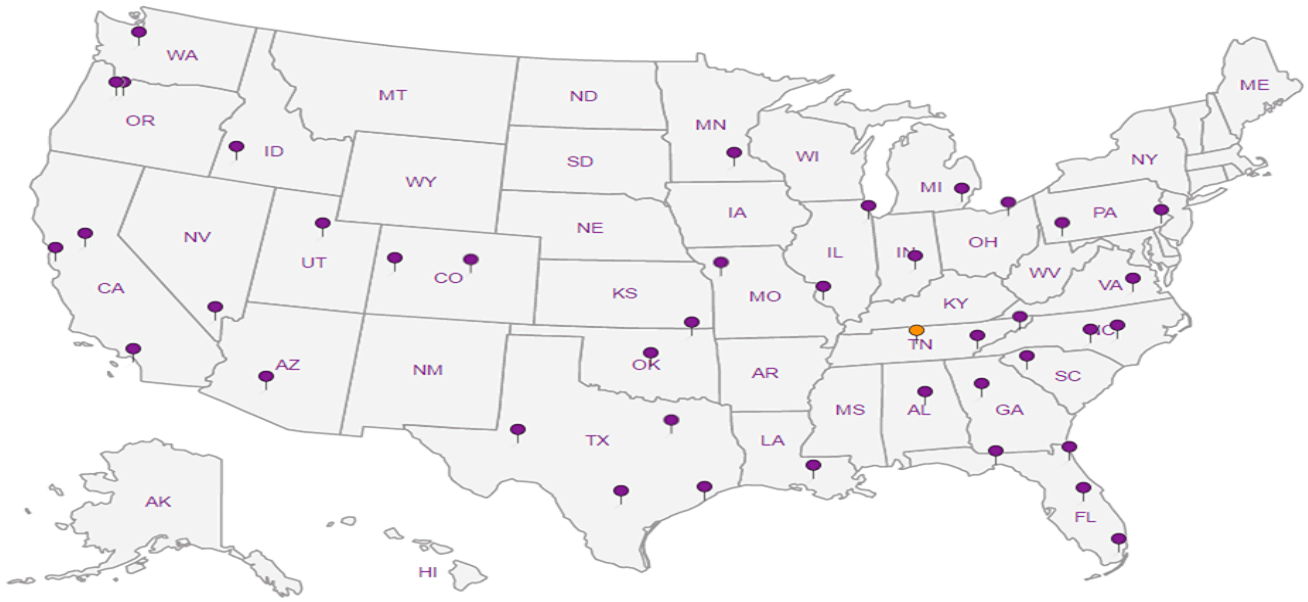
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-123-041418	Grab	GW		4/14/18	1458	3						X		-01
MW-134-041618		GW		4/16/18	1443	11	X	X	X	X	X	X		-02
MW-130-041618		GW		4/16/18	1316	11	X	X	X	X	X	X		-03
MW-131-041618		GW		4/16/18	1531	11	X	X	X	X	X	X		-04
TRIP BLANK		GW		—	—	1		X				X		-05
		GW												
		GW												
		GW												
		GW												
		GW												

Chain of Custody Page 1 of 1

ESC LABORATORY SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
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Phone: 615-758-5858
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Fax: 615-758-5859

L# L986193

T D056

Acctnum: PESENVSWA

Template: T134175

Prelogin: P645197

TSR: 110 - Brian Ford

PB: 3-22-18CS

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: *Nitrate has a 48 hour hold time*

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4269 9216 6724

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: Y __N
Preservation Correct/Checked: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCl / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.2 °C Bottles Received: 36
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/17/18 Time: 8:45

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.82 U	B J	1.05	25.0	1	04/17/2018 17:56	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 17:56	WG1099177
Benzene	U		0.0896	0.500	1	04/17/2018 17:56	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 17:56	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 17:56	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 17:56	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 17:56	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 17:56	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 17:56	WG1099177
sec-Butylbenzene	U		0.134	0.500	1	04/17/2018 17:56	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 17:56	WG1099177
Carbon disulfide	U		0.101	0.500	1	04/17/2018 17:56	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 17:56	WG1099177
Chlorobenzene	U		0.140	0.500	1	04/17/2018 17:56	WG1099177
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 17:56	WG1099177
Chloroethane	U		0.141	2.50	1	04/17/2018 17:56	WG1099177
Chloroform	U		0.0860	0.500	1	04/17/2018 17:56	WG1099177
Chloromethane	U		0.153	1.25	1	04/17/2018 17:56	WG1099177
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 17:56	WG1099177
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 17:56	WG1099177
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 17:56	WG1099177
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 17:56	WG1099177
Dibromomethane	U		0.117	0.500	1	04/17/2018 17:56	WG1099177
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 17:56	WG1099177
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 17:56	WG1099177
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 17:56	WG1099177
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 17:56	WG1099177
1,1-Dichloroethane	0.159 J	J	0.114	0.500	1	04/17/2018 17:56	WG1099177
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 17:56	WG1099177
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 17:56	WG1099177
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/17/2018 17:56	WG1099177
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/17/2018 17:56	WG1099177
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 17:56	WG1099177
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 17:56	WG1099177
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 17:56	WG1099177
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 17:56	WG1099177
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 17:56	WG1099177
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 17:56	WG1099177
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 17:56	WG1099177
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 17:56	WG1099177
Ethylbenzene	U		0.158	0.500	1	04/17/2018 17:56	WG1099177
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 17:56	WG1099177
2-Hexanone	U		0.757	5.00	1	04/17/2018 17:56	WG1099177
n-Hexane	U		0.305	5.00	1	04/17/2018 17:56	WG1099177
Iodomethane	U		0.377	10.0	1	04/17/2018 17:56	WG1099177
Isopropylbenzene	U		0.126	0.500	1	04/17/2018 17:56	WG1099177
p-Isopropyltoluene	U		0.138	0.500	1	04/17/2018 17:56	WG1099177
2-Butanone (MEK)	U		1.28	5.00	1	04/17/2018 17:56	WG1099177
Methylene Chloride	U		1.07	2.50	1	04/17/2018 17:56	WG1099177
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/17/2018 17:56	WG1099177
Methyl tert-butyl ether	U		0.102	0.500	1	04/17/2018 17:56	WG1099177
Naphthalene	U		0.174	2.50	1	04/17/2018 17:56	WG1099177
n-Propylbenzene	U		0.162	0.500	1	04/17/2018 17:56	WG1099177
Styrene	U		0.117	0.500	1	04/17/2018 17:56	WG1099177
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/17/2018 17:56	WG1099177
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/17/2018 17:56	WG1099177

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/17/2018 17:56	WG1099177
Tetrachloroethene	0.284 J	J	0.199	0.500	1	04/17/2018 17:56	WG1099177
Toluene	U		0.412	0.500	1	04/17/2018 17:56	WG1099177
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2018 17:56	WG1099177
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/17/2018 17:56	WG1099177
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/17/2018 17:56	WG1099177
1,1,2-Trichloroethane	U		0.186	0.500	1	04/17/2018 17:56	WG1099177
Trichloroethene	U		0.153	0.500	1	04/17/2018 17:56	WG1099177
Trichlorofluoromethane	U		0.130	2.50	1	04/17/2018 17:56	WG1099177
1,2,3-Trichloropropane	U		0.247	2.50	1	04/17/2018 17:56	WG1099177
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/17/2018 17:56	WG1099177
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/17/2018 17:56	WG1099177
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/17/2018 17:56	WG1099177
Vinyl acetate	U		0.645	5.00	1	04/17/2018 17:56	WG1099177
Vinyl chloride	U		0.118	0.500	1	04/17/2018 17:56	WG1099177
Xylenes, Total	U		0.316	1.50	1	04/17/2018 17:56	WG1099177
(S) Toluene-d8	*101*			*80.0-120*		*04/17/2018 17:56*	WG1099177
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/17/2018 17:56*	WG1099177
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*04/17/2018 17:56*	WG1099177

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Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	298000		2710	20000	1	04/20/2018 23:17	WG1101238

Sample Narrative:

L986193-02 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	38300		51.9	1000	1	04/17/2018 17:21	WG1099090
Nitrate	U		22.7	100	1	04/17/2018 17:21	WG1099090
Sulfate	1300 J	J	77.4	5000	1	04/17/2018 17:21	WG1099090

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	3270		102	1000	1	04/18/2018 11:43	WG1099572

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	292000		75.0	500	5	04/24/2018 17:41	WG1100552
Manganese	5000		0.250	5.00	1	04/24/2018 15:10	WG1100552

Volatile Organic Compounds (GC) by Method NWTPHGX

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Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	42.1 U	B J	31.6	100	1	04/17/2018 20:44	WG1099057
(S) a,a,a-Trifluorotoluene(FID)	*89.9*			*77.0-122*		*04/17/2018 20:44*	WG1099057

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	5200		0.287	0.678	1	04/18/2018 11:46	WG1099563
Ethane	61.3		0.296	1.29	1	04/18/2018 11:46	WG1099563
Ethene	952		0.422	1.27	1	04/18/2018 11:46	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.11 U	B J	1.05	25.0	1	04/17/2018 18:16	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 18:16	WG1099177
Benzene	U		0.0896	0.500	1	04/17/2018 18:16	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 18:16	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 18:16	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 18:16	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 18:16	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 18:16	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 18:16	WG1099177
sec-Butylbenzene	U		0.134	0.500	1	04/17/2018 18:16	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 18:16	WG1099177
Carbon disulfide	0.874		0.101	0.500	1	04/17/2018 18:16	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 18:16	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/17/2018 18:16	WG1099177
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 18:16	WG1099177
Chloroethane	U		0.141	2.50	1	04/17/2018 18:16	WG1099177
Chloroform	U		0.0860	0.500	1	04/17/2018 18:16	WG1099177
Chloromethane	U		0.153	1.25	1	04/17/2018 18:16	WG1099177
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 18:16	WG1099177
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 18:16	WG1099177
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 18:16	WG1099177
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 18:16	WG1099177
Dibromomethane	U		0.117	0.500	1	04/17/2018 18:16	WG1099177
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 18:16	WG1099177
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 18:16	WG1099177
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 18:16	WG1099177
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 18:16	WG1099177
1,1-Dichloroethane	U		0.114	0.500	1	04/17/2018 18:16	WG1099177
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 18:16	WG1099177
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 18:16	WG1099177
cis-1,2-Dichloroethene	0.287	J	0.0933	0.500	1	04/17/2018 18:16	WG1099177
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/17/2018 18:16	WG1099177
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 18:16	WG1099177
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 18:16	WG1099177
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 18:16	WG1099177
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 18:16	WG1099177
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 18:16	WG1099177
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 18:16	WG1099177
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 18:16	WG1099177
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 18:16	WG1099177
Ethylbenzene	U		0.158	0.500	1	04/17/2018 18:16	WG1099177
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 18:16	WG1099177
2-Hexanone	U		0.757	5.00	1	04/17/2018 18:16	WG1099177
n-Hexane	U		0.305	5.00	1	04/17/2018 18:16	WG1099177
Iodomethane	U		0.377	10.0	1	04/17/2018 18:16	WG1099177
Isopropylbenzene	U		0.126	0.500	1	04/17/2018 18:16	WG1099177
p-Isopropyltoluene	U		0.138	0.500	1	04/17/2018 18:16	WG1099177
2-Butanone (MEK)	U		1.28	5.00	1	04/17/2018 18:16	WG1099177
Methylene Chloride	U		1.07	2.50	1	04/17/2018 18:16	WG1099177
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/17/2018 18:16	WG1099177
Methyl tert-butyl ether	U		0.102	0.500	1	04/17/2018 18:16	WG1099177
Naphthalene	U		0.174	2.50	1	04/17/2018 18:16	WG1099177
n-Propylbenzene	U		0.162	0.500	1	04/17/2018 18:16	WG1099177
Styrene	U		0.117	0.500	1	04/17/2018 18:16	WG1099177
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/17/2018 18:16	WG1099177
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/17/2018 18:16	WG1099177
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/17/2018 18:16	WG1099177
Tetrachloroethene	1.49		0.199	0.500	1	04/17/2018 18:16	WG1099177
Toluene	U		0.412	0.500	1	04/17/2018 18:16	WG1099177
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2018 18:16	WG1099177
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/17/2018 18:16	WG1099177
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/17/2018 18:16	WG1099177
1,1,2-Trichloroethane	U		0.186	0.500	1	04/17/2018 18:16	WG1099177
Trichloroethene	U		0.153	0.500	1	04/17/2018 18:16	WG1099177
Trichlorofluoromethane	U		0.130	2.50	1	04/17/2018 18:16	WG1099177
1,2,3-Trichloropropane	U		0.247	2.50	1	04/17/2018 18:16	WG1099177
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/17/2018 18:16	WG1099177
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/17/2018 18:16	WG1099177
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/17/2018 18:16	WG1099177

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/17/2018 18:16	WG1099177
Vinyl chloride	68.6		0.118	0.500	1	04/17/2018 18:16	WG1099177
Xylenes, Total	U		0.316	1.50	1	04/17/2018 18:16	WG1099177
(S) Toluene-d8	*97.1*			*80.0-120*		*04/17/2018 18:16*	WG1099177
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/17/2018 18:16*	WG1099177
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/17/2018 18:16*	WG1099177

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Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	241000		2710	20000	1	04/20/2018 23:25	WG1101238

Sample Narrative:
L986193-03 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	22100		51.9	1000	1	04/17/2018 17:33	WG1099090
Nitrate	165		22.7	100	1	04/17/2018 17:33	WG1099090
Sulfate	638 J	J	77.4	5000	1	04/17/2018 17:33	WG1099090

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	15100		510	5000	5	04/18/2018 11:54	WG1099572

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Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	21400		15.0	100	1	04/24/2018 15:14	WG1100552
Manganese	618		0.250	5.00	1	04/24/2018 15:14	WG1100552

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	256	B	31.6	100	1	04/17/2018 21:06	WG1099057
(S) a,a,a-Trifluorotoluene(FID)	*89.7*			*77.0-122*		*04/17/2018 21:06*	WG1099057

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	5510		0.287	0.678	1	04/18/2018 11:50	WG1099563
Ethane	8.52		0.296	1.29	1	04/18/2018 11:50	WG1099563
Ethene	5.77		0.422	1.27	1	04/18/2018 11:50	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	14.5 J	J	1.05	25.0	1	04/17/2018 18:36	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 18:36	WG1099177
Benzene	0.260 J	J	0.0896	0.500	1	04/17/2018 18:36	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 18:36	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 18:36	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 18:36	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 18:36	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 18:36	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 18:36	WG1099177
sec-Butylbenzene	0.175 J	J	0.134	0.500	1	04/17/2018 18:36	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 18:36	WG1099177
Carbon disulfide	0.378 J	J	0.101	0.500	1	04/17/2018 18:36	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 18:36	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Chlorobenzene	U		0.140	0.500	1	04/17/2018 18:36	WG1099177	
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 18:36	WG1099177	
Chloroethane	U		0.141	2.50	1	04/17/2018 18:36	WG1099177	
Chloroform	U		0.0860	0.500	1	04/17/2018 18:36	WG1099177	
Chloromethane	U		0.153	1.25	1	04/17/2018 18:36	WG1099177	
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 18:36	WG1099177	
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 18:36	WG1099177	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 18:36	WG1099177	
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 18:36	WG1099177	
Dibromomethane	U		0.117	0.500	1	04/17/2018 18:36	WG1099177	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 18:36	WG1099177	JC 5/9/18
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 18:36	WG1099177	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 18:36	WG1099177	
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 18:36	WG1099177	
1,1-Dichloroethane	U		0.114	0.500	1	04/17/2018 18:36	WG1099177	
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 18:36	WG1099177	
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 18:36	WG1099177	
cis-1,2-Dichloroethene	4.73		0.0933	0.500	1	04/17/2018 18:36	WG1099177	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/17/2018 18:36	WG1099177	
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 18:36	WG1099177	
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 18:36	WG1099177	
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 18:36	WG1099177	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 18:36	WG1099177	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 18:36	WG1099177	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 18:36	WG1099177	
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 18:36	WG1099177	
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 18:36	WG1099177	
Ethylbenzene	4.83		0.158	0.500	1	04/17/2018 18:36	WG1099177	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 18:36	WG1099177	
2-Hexanone	U		0.757	5.00	1	04/17/2018 18:36	WG1099177	
n-Hexane	U		0.305	5.00	1	04/17/2018 18:36	WG1099177	
Iodomethane	U		0.377	10.0	1	04/17/2018 18:36	WG1099177	
Isopropylbenzene	0.582		0.126	0.500	1	04/17/2018 18:36	WG1099177	
p-Isopropyltoluene	0.573		0.138	0.500	1	04/17/2018 18:36	WG1099177	
2-Butanone (MEK)	76.4	J	J0	1.28	5.00	1	04/17/2018 18:36	WG1099177
Methylene Chloride	U			1.07	2.50	1	04/17/2018 18:36	WG1099177
4-Methyl-2-pentanone (MIBK)	U			0.823	5.00	1	04/17/2018 18:36	WG1099177
Methyl tert-butyl ether	U			0.102	0.500	1	04/17/2018 18:36	WG1099177
Naphthalene	1.18	J	J	0.174	2.50	1	04/17/2018 18:36	WG1099177
n-Propylbenzene	2.04			0.162	0.500	1	04/17/2018 18:36	WG1099177
Styrene	U			0.117	0.500	1	04/17/2018 18:36	WG1099177
1,1,1,2-Tetrachloroethane	U			0.120	0.500	1	04/17/2018 18:36	WG1099177
1,1,2,2-Tetrachloroethane	U			0.130	0.500	1	04/17/2018 18:36	WG1099177
1,1,2-Trichlorotrifluoroethane	U			0.164	0.500	1	04/17/2018 18:36	WG1099177
Tetrachloroethene	2.59			0.199	0.500	1	04/17/2018 18:36	WG1099177
Toluene	1.83			0.412	0.500	1	04/17/2018 18:36	WG1099177
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/17/2018 18:36	WG1099177
1,2,4-Trichlorobenzene	U			0.355	0.500	1	04/17/2018 18:36	WG1099177
1,1,1-Trichloroethane	U			0.0940	0.500	1	04/17/2018 18:36	WG1099177
1,1,2-Trichloroethane	U			0.186	0.500	1	04/17/2018 18:36	WG1099177
Trichloroethene	0.365	J	J	0.153	0.500	1	04/17/2018 18:36	WG1099177
Trichlorofluoromethane	U			0.130	2.50	1	04/17/2018 18:36	WG1099177
1,2,3-Trichloropropane	U			0.247	2.50	1	04/17/2018 18:36	WG1099177
1,2,4-Trimethylbenzene	17.4			0.123	0.500	1	04/17/2018 18:36	WG1099177
1,2,3-Trimethylbenzene	4.40			0.0739	0.500	1	04/17/2018 18:36	WG1099177
1,3,5-Trimethylbenzene	5.31			0.124	0.500	1	04/17/2018 18:36	WG1099177

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/17/2018 18:36	WG1099177
Vinyl chloride	8.57		0.118	0.500	1	04/17/2018 18:36	WG1099177
Xylenes, Total	25.9		0.316	1.50	1	04/17/2018 18:36	WG1099177
(S) Toluene-d8	*98.1*			*80.0-120*		*04/17/2018 18:36*	WG1099177
(S) Dibromofluoromethane	*98.4*			*76.0-123*		*04/17/2018 18:36*	WG1099177
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*04/17/2018 18:36*	WG1099177

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Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	712000		2710	20000	1	04/20/2018 23:42	WG1101238

Sample Narrative:

L986193-04 WG1101238: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	114000		260	5000	5	04/17/2018 18:35	WG1099090
Nitrate	U		22.7	100	1	04/17/2018 18:23	WG1099090
Sulfate	U		77.4	5000	1	04/17/2018 18:23	WG1099090

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	44200		102	1000	1	04/17/2018 16:58	WG1098997

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	7970		15.0	100	1	04/24/2018 14:53	WG1100552
Manganese	1190		0.250	5.00	1	04/24/2018 14:53	WG1100552

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	55.3 U	B J	31.6	100	1	04/17/2018 21:28	WG1099057
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-122*		*04/17/2018 21:28*	WG1099057

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	29900		7.18	17.0	25	04/18/2018 11:56	WG1099563
Ethane	329		0.296	1.29	1	04/18/2018 11:52	WG1099563
Ethene	467		0.422	1.27	1	04/18/2018 11:52	WG1099563

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	58.4		1.05	25.0	1	04/17/2018 18:56	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 18:56	WG1099177
Benzene	0.142 J	J	0.0896	0.500	1	04/17/2018 18:56	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 18:56	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 18:56	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 18:56	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 18:56	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 18:56	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 18:56	WG1099177
sec-Butylbenzene	U		0.134	0.500	1	04/17/2018 18:56	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 18:56	WG1099177
Carbon disulfide	U		0.101	0.500	1	04/17/2018 18:56	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 18:56	WG1099177

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/17/2018 18:56	WG1099177
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 18:56	WG1099177
Chloroethane	U		0.141	2.50	1	04/17/2018 18:56	WG1099177
Chloroform	U		0.0860	0.500	1	04/17/2018 18:56	WG1099177
Chloromethane	U		0.153	1.25	1	04/17/2018 18:56	WG1099177
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 18:56	WG1099177
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 18:56	WG1099177
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 18:56	WG1099177
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 18:56	WG1099177
Dibromomethane	U		0.117	0.500	1	04/17/2018 18:56	WG1099177
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 18:56	WG1099177
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 18:56	WG1099177
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 18:56	WG1099177
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 18:56	WG1099177
1,1-Dichloroethane	U		0.114	0.500	1	04/17/2018 18:56	WG1099177
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 18:56	WG1099177
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 18:56	WG1099177
cis-1,2-Dichloroethene	10.4		0.0933	0.500	1	04/17/2018 18:56	WG1099177
trans-1,2-Dichloroethene	0.276 J	J	0.152	0.500	1	04/17/2018 18:56	WG1099177
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 18:56	WG1099177
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 18:56	WG1099177
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 18:56	WG1099177
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 18:56	WG1099177
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 18:56	WG1099177
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 18:56	WG1099177
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 18:56	WG1099177
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 18:56	WG1099177
Ethylbenzene	U		0.158	0.500	1	04/17/2018 18:56	WG1099177
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 18:56	WG1099177
2-Hexanone	U		0.757	5.00	1	04/17/2018 18:56	WG1099177
n-Hexane	U		0.305	5.00	1	04/17/2018 18:56	WG1099177
Iodomethane	U		0.377	10.0	1	04/17/2018 18:56	WG1099177
Isopropylbenzene	U		0.126	0.500	1	04/17/2018 18:56	WG1099177
p-Isopropyltoluene	U		0.138	0.500	1	04/17/2018 18:56	WG1099177
2-Butanone (MEK)	13.2 J	J0	1.28	5.00	1	04/17/2018 18:56	WG1099177
Methylene Chloride	U		1.07	2.50	1	04/17/2018 18:56	WG1099177
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/17/2018 18:56	WG1099177
Methyl tert-butyl ether	U		0.102	0.500	1	04/17/2018 18:56	WG1099177
Naphthalene	U		0.174	2.50	1	04/17/2018 18:56	WG1099177
n-Propylbenzene	U		0.162	0.500	1	04/17/2018 18:56	WG1099177
Styrene	U		0.117	0.500	1	04/17/2018 18:56	WG1099177
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/17/2018 18:56	WG1099177
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/17/2018 18:56	WG1099177
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/17/2018 18:56	WG1099177
Tetrachloroethene	7.05		0.199	0.500	1	04/17/2018 18:56	WG1099177
Toluene	U		0.412	0.500	1	04/17/2018 18:56	WG1099177
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2018 18:56	WG1099177
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/17/2018 18:56	WG1099177
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/17/2018 18:56	WG1099177
1,1,2-Trichloroethane	U		0.186	0.500	1	04/17/2018 18:56	WG1099177
Trichloroethene	3.25		0.153	0.500	1	04/17/2018 18:56	WG1099177
Trichlorofluoromethane	U		0.130	2.50	1	04/17/2018 18:56	WG1099177
1,2,3-Trichloropropane	U		0.247	2.50	1	04/17/2018 18:56	WG1099177
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/17/2018 18:56	WG1099177
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/17/2018 18:56	WG1099177
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/17/2018 18:56	WG1099177

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/17/2018 18:56	WG1099177
Vinyl chloride	18.0		0.118	0.500	1	04/17/2018 18:56	WG1099177
Xylenes, Total	U		0.316	1.50	1	04/17/2018 18:56	WG1099177
(S) Toluene-d8	*108*			*80.0-120*		*04/17/2018 18:56*	WG1099177
(S) Dibromofluoromethane	*97.5*			*76.0-123*		*04/17/2018 18:56*	WG1099177
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*04/17/2018 18:56*	WG1099177

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/17/2018 15:36	WG1099057
(S) a,a,a-Trifluorotoluene(FID)	*90.4*			*77.0-122*		*04/17/2018 15:36*	WG1099057

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.08 U	B J	1.05	25.0	1	04/17/2018 14:18	WG1099177
Acrylonitrile	U		0.873	5.00	1	04/17/2018 14:18	WG1099177
Benzene	U		0.0896	0.500	1	04/17/2018 14:18	WG1099177
Bromobenzene	U		0.133	0.500	1	04/17/2018 14:18	WG1099177
Bromodichloromethane	U		0.0800	0.500	1	04/17/2018 14:18	WG1099177
Bromochloromethane	U		0.145	0.500	1	04/17/2018 14:18	WG1099177
Bromoform	U		0.186	0.500	1	04/17/2018 14:18	WG1099177
Bromomethane	U		0.157	2.50	1	04/17/2018 14:18	WG1099177
n-Butylbenzene	U		0.143	0.500	1	04/17/2018 14:18	WG1099177
sec-Butylbenzene	U		0.134	0.500	1	04/17/2018 14:18	WG1099177
tert-Butylbenzene	U		0.183	0.500	1	04/17/2018 14:18	WG1099177
Carbon disulfide	U		0.101	0.500	1	04/17/2018 14:18	WG1099177
Carbon tetrachloride	U		0.159	0.500	1	04/17/2018 14:18	WG1099177
Chlorobenzene	U		0.140	0.500	1	04/17/2018 14:18	WG1099177
Chlorodibromomethane	U		0.128	0.500	1	04/17/2018 14:18	WG1099177
Chloroethane	U		0.141	2.50	1	04/17/2018 14:18	WG1099177
Chloroform	U		0.0860	0.500	1	04/17/2018 14:18	WG1099177
Chloromethane	U		0.153	1.25	1	04/17/2018 14:18	WG1099177
2-Chlorotoluene	U		0.111	0.500	1	04/17/2018 14:18	WG1099177
4-Chlorotoluene	U		0.0972	0.500	1	04/17/2018 14:18	WG1099177
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/17/2018 14:18	WG1099177
1,2-Dibromoethane	U		0.193	0.500	1	04/17/2018 14:18	WG1099177
Dibromomethane	U		0.117	0.500	1	04/17/2018 14:18	WG1099177
1,2-Dichlorobenzene	U		0.101	0.500	1	04/17/2018 14:18	WG1099177
1,3-Dichlorobenzene	U		0.130	0.500	1	04/17/2018 14:18	WG1099177
1,4-Dichlorobenzene	U		0.121	0.500	1	04/17/2018 14:18	WG1099177
Dichlorodifluoromethane	U		0.127	2.50	1	04/17/2018 14:18	WG1099177
1,1-Dichloroethane	U		0.114	0.500	1	04/17/2018 14:18	WG1099177
1,2-Dichloroethane	U		0.108	0.500	1	04/17/2018 14:18	WG1099177
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2018 14:18	WG1099177
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/17/2018 14:18	WG1099177
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/17/2018 14:18	WG1099177
1,2-Dichloropropane	U		0.190	0.500	1	04/17/2018 14:18	WG1099177
1,1-Dichloropropene	U		0.128	0.500	1	04/17/2018 14:18	WG1099177
1,3-Dichloropropane	U		0.147	1.00	1	04/17/2018 14:18	WG1099177
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/17/2018 14:18	WG1099177
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/17/2018 14:18	WG1099177
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/17/2018 14:18	WG1099177
2,2-Dichloropropane	U		0.0929	0.500	1	04/17/2018 14:18	WG1099177
Di-isopropyl ether	U		0.0924	0.500	1	04/17/2018 14:18	WG1099177
Ethylbenzene	U		0.158	0.500	1	04/17/2018 14:18	WG1099177
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/17/2018 14:18	WG1099177
2-Hexanone	U		0.757	5.00	1	04/17/2018 14:18	WG1099177
n-Hexane	U		0.305	5.00	1	04/17/2018 14:18	WG1099177
Iodomethane	U		0.377	10.0	1	04/17/2018 14:18	WG1099177
Isopropylbenzene	U		0.126	0.500	1	04/17/2018 14:18	WG1099177
p-Isopropyltoluene	U		0.138	0.500	1	04/17/2018 14:18	WG1099177
2-Butanone (MEK)	U		1.28	5.00	1	04/17/2018 14:18	WG1099177

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/17/2018 14:18	WG1099177
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/17/2018 14:18	WG1099177
Methyl tert-butyl ether	U		0.102	0.500	1	04/17/2018 14:18	WG1099177
Naphthalene	U		0.174	2.50	1	04/17/2018 14:18	WG1099177
n-Propylbenzene	U		0.162	0.500	1	04/17/2018 14:18	WG1099177
Styrene	U		0.117	0.500	1	04/17/2018 14:18	WG1099177
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/17/2018 14:18	WG1099177
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/17/2018 14:18	WG1099177
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/17/2018 14:18	WG1099177
Tetrachloroethene	U		0.199	0.500	1	04/17/2018 14:18	WG1099177
Toluene	U		0.412	0.500	1	04/17/2018 14:18	WG1099177
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2018 14:18	WG1099177
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/17/2018 14:18	WG1099177
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/17/2018 14:18	WG1099177
1,1,2-Trichloroethane	U		0.186	0.500	1	04/17/2018 14:18	WG1099177
Trichloroethene	U		0.153	0.500	1	04/17/2018 14:18	WG1099177
Trichlorofluoromethane	U		0.130	2.50	1	04/17/2018 14:18	WG1099177
1,2,3-Trichloropropane	U		0.247	2.50	1	04/17/2018 14:18	WG1099177
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/17/2018 14:18	WG1099177
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/17/2018 14:18	WG1099177
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/17/2018 14:18	WG1099177
Vinyl acetate	U		0.645	5.00	1	04/17/2018 14:18	WG1099177
Vinyl chloride	U		0.118	0.500	1	04/17/2018 14:18	WG1099177
Xylenes, Total	U		0.316	1.50	1	04/17/2018 14:18	WG1099177
(S) Toluene-d8	*98.9*			*80.0-120*		*04/17/2018 14:18*	WG1099177
(S) Dibromofluoromethane	*98.6*			*76.0-123*		*04/17/2018 14:18*	WG1099177
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*04/17/2018 14:18*	WG1099177

JC 5/9/18

MEMORANDUM

TO: Project File **DATE:** May 10, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.05.304

TASK: April 2018 - Groundwater Samples

LAB: ESC Sample Delivery Groups L984988, L985379, L985781, and L986193

Twenty groundwater samples (including one field duplicate), one soil sample, and one trip blank sample were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on April 11-14, and 16, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C;
- Total petroleum hydrocarbons as gasoline (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- VOCs by EPA SOP RSK 175;
- Alkalinity by Method 2320 B-2011;
- Anions (Chloride, Nitrate, and Sulfate) by USEPA Method 9056A;
- Total Organic Carbon (TOC) by USEPA Method 9060A; and
- Metals (iron and manganese) by USEPA Method 6020A.

Associated sample data are reported in four ESC SDGs (L984988, L985379, L985781, and L986193). The quality assurance review of the sample data are summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017) and USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation less than 6°C. Samples were received in good condition with the following discussions:

- SDGs L984988, L985379, L985781, and L986193: Review of associated chain of custodies (COCs) show that the relinquished portions were not signed however daily field forms show a record of sample delivery to FedEx for shipment to ESC. Internal corrective action has been implemented by PES to ensure that all COCs are signed and dated when relinquishing possession/custody of the samples.

- SDG L985781: Soil sample MW-142-5 should read "MW-142-S". ESC revised the report per PES's request.

No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for soil and preserved waters from the date of collection. All holding time criteria were met.

NWTPH-Gx Method:
All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
All samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria were met.

USEPA Method 6020A:
All samples were analyzed within the USEPA recommended holding time for arsenic of 180 days for preserved waters from the date of sample collection. All holding time criteria were met.

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
All samples were analyzed within the USEPA recommended holding time for alkalinity (14 days), chloride (28 days), sulfate (28 days), and nitrate (48 hours), and TOC (28 days) for

preserved waters from the date of sample collection. All holding time criteria were met with the following exceptions:

- SDG L985379: All samples (MW-137-041218, MW-112-041218, MW-140-041218, and MW-141-041218) were analyzed 24 hours or more for nitrate past the recommended holding time. **Nitrate result for sample MW-112-041218 is positively detected, estimated, and qualified (J). Nitrate results for MW-137-041218, MW-140-041218, and MW-141-041218 are non-detects, rejected, and qualified (R) due to holding time exceedance.**

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- SDG L984988 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acrylonitrile, carbon tetrachloride, chloromethane, 1,2-dichloroethane, di-isopropyl ether, 2-hexanone, n-hexane, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and vinyl acetate associated with analytical batch WG1097123 (analyzed on April 12, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L985379 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acrylonitrile, carbon tetrachloride, chloromethane, di-isopropyl ether, 2-hexanone, n-hexane, 2-butanone (MEK), and 4-methyl-2-pentanone (MIBK) associated with analytical batch WG1097806 (analyzed on April 13, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L985781 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, n-hexane, 2-butanone (MEK), and vinyl acetate associated with analytical batch WG1098661 (analyzed on April 16, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L985781 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for dichlorodifluoromethane associated with analytical batch WG1098715 (analyzed on April 16, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L986193 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for 2-butanone (MEK) associated with analytical batch WG1099177 (analyzed on April 17, 2018). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Samples MW-130-041618 and MW-131-041618 with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L984988 - Analytical batch WG1097123: A low level of hexachloro-1,3-butadiene was detected in the method blank. No action was necessary as this compound was not detected in the associated samples.

- SDG L985379 - Analytical batch WG1097806: Low levels of naphthalene and 1,2,3-trichlorobenzene were detected in the method blank. No action was necessary as these compounds were not detected in the associated samples.

- SDG L985781 - Analytical batch WG1098661-4: Low levels of hexachloro-1,3-butadiene, naphthalene, and 1,2,3-trichlorobenzene were detected in the method blank. No action was necessary as these compounds were not detected in the associated samples.

- SDG L986193 - Analytical batch WG1099177: A low level of acetone was detected in the method blank. Acetone detections were detected at low levels in associated samples MW-123-041418, MW-134-041618, MW-130-041618, and trip blank. **Acetone results for these samples and trip blank are qualified as not detected (U) due to method blank contamination.**

NWTPH-Gx Method:
Laboratory method blanks were included with the analytical batches per method requirement. The target analyte (gasoline) was not detected in the method blanks at or above the RDLs with the following exceptions:

- SDG L984988 - Analytical batch WG1097649: Gasoline was detected at a low level in the method blank. Gasoline was detected at low levels in associated samples BB-8-041118, MW903-041118, and MW138-041118. **Samples BB-8-041118, MW903-041118, and MW138-041118 gasoline results were reported below the RDL and are qualified as not detected (U) due to method blank contamination.**

- SDG L985379 - Analytical batch WG1097878: Gasoline as detected at a low level in the method blank. Gasoline was detected at a low level in associated sample MW-141-041218. **Sample MW-141-041218 gasoline result was reported below the RDL and is qualified as not detected (U) due to method blank contamination.**

- SDG L985781 - Analytical batch WG1098558: Gasoline as detected at a low level in the method blank. Gasoline was detected at low levels in associated samples MW-124-041318 and W-MW-01-041318. **Samples MW-141-041218 and W-MW-01-041318 gasoline results were reported below the RDL and are qualified as not detected (U) due to method blank contamination.**

- SDG L986193 Analytical batch WG1099057: Gasoline as detected at a low level in the method blank. Gasoline was detected at low levels in associated sample MW-134-041618 and MW-131-041618. **Samples MW-134-041618 and MW-131-041618, gasoline results were reported below the RDL and are qualified as not detected (U) due to method blank contamination.**

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) were not detected in the method blanks at or above the RDLs.

USEPA Method 6020A:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the RDLs with the following exceptions:

- SDG L986193 - Analytical batch WG1100552: Manganese was detected at a low level in the method blank. No action was taken since the sample amounts are far greater than the detection in the method blank

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the RDLs with the following exceptions:

- SDG L984988: Analytical batch WG1097605: TOC was detected at a low level in the method blank. No action was necessary as TOC detections in the associated samples are far greater than the detection in the method blank.

- SDG L985781: Analytical batch WG1097605: TOC was detected at a low level in the method blank. No action was necessary as TOC detection in the associated sample is are far greater than the detection in the method blank.

- SDGs L984988, L985379, L985781, and L986193: Alkalinity method blanks are not analyzed by the laboratory. No action is taken other than to note this.

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260Cand NWTPH-Gx Method:
Two trip blanks were collected and analyzed. The target analytes were not detected in the trip blanks at or above the RDLs with the following exceptions:

- SDG L985379 - Analytical batch WG1097806: A low level of acetone was detected in the trip blank. **Associated samples (MW-137-041218, MW-112-041218, MW-140-041218, and MW-141-041218) with acetone detected less than the RDL are qualified (U) as not detected due to trip blank contamination.**

- SDG L986193 Analytical batch WG1099177: Low levels acetone was detected in the trip blank however the detection is laboratory qualified (B) due to associated method blank contamination. No action was taken on this basis. Refer to the section on Method Blank Results for further discussion.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate pairs were submitted and analyzed. Field duplicate sample pairs are as follows:

- SDG L984988: Samples BB-8-041118 and MW903-041118

VOC target analyte results are comparable and within a relative percent difference (RPD) of 30% (for results >5X the RDL) for the field duplicate with the following exceptions:

- ESC SDG L984988: Samples BB-8-041118 and MW903-041118. Field duplicate RPDs are greater than 30% for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene. **Field duplicate results for these compounds are estimated and qualified (J) due to poor field precision.**

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Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

NWTPH-Gx Method:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Laboratory duplicate sample analyses were performed on client sample MW-150-04101 and on a non-client sample within the analytical batch. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

USEPA Method 6020A:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
A laboratory duplicate sample was performed on client samples and on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control limits.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client and non-client samples within the analytical batches. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, duplicates, laboratory control samples, matrix spike samples, trip blanks, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exceptions:

- SDG L985379 - Analytical batch WG1097806: Surrogate 4-bromofluorobenzene was recovered slightly above laboratory control limit criteria (80-120%) in samples MW-112-041218, MW-140-041218, and MW-141-041218. **All positively detected sample MW-112-041218, MW-140-041218, and MW-141-041218 results except for acetone are estimated with potential high bias (J+) due to elevated surrogate recovery.**

NWTPH-Gx Method:
The surrogate recovery results for the samples, duplicates, laboratory control samples, matrix spike samples, trip blanks, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:

Laboratory control sample (LCS) or LCS/LCSD were analyzed by USEPA Method 8260C method. The LCS % Rs or LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for waters with the following discussions and exceptions:

- SDG L984988- Analytical batch WG1097123: An LCS was analyzed along with this batch. All recoveries are within criteria except for isopropylbenzene which was recovered above control limit criteria and laboratory qualified (J4). No action was taken since isopropylbenzene was not detected in the associated samples. Refer to field duplicate results for precision data.

- SDG L985379- Analytical batch WG1097806: LCS/LCSD recoveries and RPDs are within criteria except for LCS recoveries for isopropylbenzene and styrene which were recovered above control limit criteria and laboratory qualified (J4). No action was taken since for isopropylbenzene and styrene were not detected in the associated samples with one exception. **Styrene was detected at a low level in sample MW-140-041218. The sample result is already estimated and qualified (J) as it was detected below the RDL. No further action was taken on this basis.**

- SDG L985781 - Analytical batch WG1098661-4: A LCS was analyzed along with sample W-MW-01-041318 and precision data are not available for samples associated with this batch. No action was taken other than to note this.

SDG L986193 - Analytical batch WG1099177: A LCS was analyzed along with samples and precision data are not available for samples associated with this batch. No action was taken other than to note this.

NWTPH-Gx Method:
The LCS/LCSD %Rs and RPDs for the target compound (gasoline) are within the laboratory control criteria for waters.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
The LCS/LCSD %Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

USEPA Method 6020A:
The LCS/LCSD %Rs and RPDs for the target compound (iron and manganese) are within the laboratory control criteria for waters.

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
The LCS/LCSD %Rs and RPDs for general chemistry parameters are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on client soil sample MW-142-S. MS/MSDs were not performed on water samples. Refer to LCS/LCSDs for accuracy and precision data. All MS/MSDs and RPDs were recovered within control limits with the following exceptions:

- SDG L985781 - Analytical batch WG1098715: Multiple compounds were recovered wide with an elevated RPD and laboratory qualified (J3). No action was taken on this basis since recoveries are within, LCS/LCSD recoveries are acceptable, and the spike was performed on a non-client sample.

NWTPH-Gx Method:
MS/MSD analyses were performed on non-client samples within the analytical batches. In cases where MS/MSD spike analyses are not performed refer to LCS/LCSD for accuracy and precision data. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for waters.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to LCS/LCSD or laboratory duplicate data for accuracy and/or precision data.

USEPA Method 6020A:
MS/MSD analyses were performed on non-client samples within the analytical batches. The MS/MSD % Rs and RPD were acceptable and within laboratory control limit criteria for water samples.

General Chemistry (Alkalinity, Chloride, Sulfate, Nitrate, and TOC):
MS/MSD analyses were performed on client and/or non-client samples within the analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following exceptions:

- SDG L984988: Chloride MS/MSD was performed on a non-client sample and results are laboratory qualified (E) since the concentrations exceeded the upper calibration range. No action was taken since LCS/LCSD results are acceptable.

In cases where MS/MSD spike analyses are not performed refer to LCS/LCSD or laboratory duplicate data for accuracy and precision data.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- SDGs L984988, L985379, L985781, and L986193: Selected sample narratives for alkalinity results indicate that several sample containers had some headspace and

exposure to air may have impacted the reported results. No action was taken other than to note this.

Quantitation Limits

Results of the analyses were reported based on laboratory RDLs for all compounds. RDLs for selected compounds are elevated due to method-required dilutions. The RDLs used for this sample group are acceptable for the project.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017); and
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2017).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use with the following exceptions:

- **ESC SDG L985379: Nitrate results for MW-137-041218, MW-140-041218, and MW-141-041218 are non-detects, rejected, and qualified (R) due to holding time exceedance.**

ANALYTICAL REPORT

April 19, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L985279
Samples Received:	04/12/2018
Project Number:	1413.001.05.601
Description:	

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

MW-148-11 L985279-01 Solid

Collected by	Collected date/time	Received date/time
KS/RM	04/09/18 09:55	04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097916	1	04/13/18 15:11	04/13/18 15:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/09/18 09:55	04/14/18 18:31	DWR

MW-148-20 L985279-02 Solid

Collected by	Collected date/time	Received date/time
KS/RM	04/09/18 10:05	04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/09/18 10:05	04/14/18 18:52	DWR

MW-148-30 L985279-03 Solid

Collected by	Collected date/time	Received date/time
KS/RM	04/09/18 10:20	04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/09/18 10:20	04/14/18 19:14	DWR

MW-148-40 L985279-04 Solid

Collected by	Collected date/time	Received date/time
KS/RM	04/09/18 10:45	04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/09/18 10:45	04/14/18 19:35	DWR

MW-148-50 L985279-05 Solid

Collected by	Collected date/time	Received date/time
KS/RM	04/09/18 11:00	04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/09/18 11:00	04/14/18 19:56	DWR

MW-148-60 L985279-06 Solid

Collected by	Collected date/time	Received date/time
KS/RM	04/09/18 11:20	04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/09/18 11:20	04/14/18 20:18	DWR

MW-148-70 L985279-07 Solid

Collected by	Collected date/time	Received date/time
KS/RM	04/09/18 11:30	04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/09/18 11:30	04/14/18 20:40	DWR

MW-148-80 L985279-08 Solid

Collected by: KS/RM | Collected date/time: 04/09/18 12:10 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/09/18 12:10	04/14/18 21:21	DWR

TRIP BLANK L985279-09 GW

Collected by: KS/RM | Collected date/time: 04/09/18 00:00 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1097806	1	04/13/18 14:46	04/13/18 14:46	JAH

MW-143-10 L985279-10 Solid

Collected by: KS/RM | Collected date/time: 04/11/18 09:38 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/11/18 09:38	04/14/18 21:42	DWR

MW-143-20 L985279-11 Solid

Collected by: KS/RM | Collected date/time: 04/11/18 10:00 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/11/18 10:00	04/15/18 14:21	DWR

MW-143-30 L985279-12 Solid

Collected by: KS/RM | Collected date/time: 04/11/18 10:20 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097927	1	04/13/18 14:40	04/13/18 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/11/18 10:20	04/15/18 14:42	DWR

MW-143-40 L985279-13 Solid

Collected by: KS/RM | Collected date/time: 04/11/18 10:40 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097930	1	04/14/18 07:11	04/14/18 07:24	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/11/18 10:40	04/15/18 15:04	DWR

MW-143-50 L985279-14 Solid

Collected by: KS/RM | Collected date/time: 04/11/18 10:55 | Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097930	1	04/14/18 07:11	04/14/18 07:24	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	1	04/11/18 10:55	04/15/18 15:47	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098127	25	04/11/18 10:55	04/17/18 14:55	LRL

MW-143-60 L985279-15 Solid

Collected by: KS/RM
Collected date/time: 04/11/18 11:20
Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097930	1	04/14/18 07:11	04/14/18 07:24	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098553	1	04/11/18 11:20	04/15/18 16:08	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098553	25	04/11/18 11:20	04/17/18 13:28	LRL

MW-143-70 L985279-16 Solid

Collected by: KS/RM
Collected date/time: 04/11/18 12:00
Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097930	1	04/14/18 07:11	04/14/18 07:24	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098553	1	04/11/18 12:00	04/15/18 16:29	DWR

MW-143-80 L985279-17 Solid

Collected by: KS/RM
Collected date/time: 04/11/18 13:00
Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097930	1	04/14/18 07:11	04/14/18 07:24	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098553	1	04/11/18 13:00	04/15/18 16:50	DWR

MW-902-20 L985279-18 Solid

Collected by: KS/RM
Collected date/time: 04/11/18 14:22
Received date/time: 04/12/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1097930	1	04/14/18 07:11	04/14/18 07:24	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1098553	1	04/11/18 14:22	04/15/18 17:12	DWR

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	04/13/2018 15:36	WG1097916

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0266	J	0.0115	0.0577	1	04/14/2018 18:31	WG1098127
Acrylonitrile	U		0.00207	0.0115	1	04/14/2018 18:31	WG1098127
Benzene	0.000728	J	0.000311	0.00115	1	04/14/2018 18:31	WG1098127
Bromobenzene	U		0.000328	0.00115	1	04/14/2018 18:31	WG1098127
Bromodichloromethane	U		0.000293	0.00115	1	04/14/2018 18:31	WG1098127
Bromochloromethane	U		0.000450	0.00577	1	04/14/2018 18:31	WG1098127
Bromoform	U		0.000489	0.00115	1	04/14/2018 18:31	WG1098127
Bromomethane	U		0.00155	0.00577	1	04/14/2018 18:31	WG1098127
n-Butylbenzene	U		0.000298	0.00115	1	04/14/2018 18:31	WG1098127
sec-Butylbenzene	U		0.000232	0.00115	1	04/14/2018 18:31	WG1098127
tert-Butylbenzene	U		0.000238	0.00115	1	04/14/2018 18:31	WG1098127
Carbon disulfide	0.00130		0.000255	0.00115	1	04/14/2018 18:31	WG1098127
Carbon tetrachloride	U		0.000378	0.00115	1	04/14/2018 18:31	WG1098127
Chlorobenzene	U		0.000245	0.00115	1	04/14/2018 18:31	WG1098127
Chlorodibromomethane	U		0.000430	0.00115	1	04/14/2018 18:31	WG1098127
Chloroethane	U		0.00109	0.00577	1	04/14/2018 18:31	WG1098127
Chloroform	U		0.000264	0.00577	1	04/14/2018 18:31	WG1098127
Chloromethane	U		0.000433	0.00288	1	04/14/2018 18:31	WG1098127
2-Chlorotoluene	U		0.000347	0.00115	1	04/14/2018 18:31	WG1098127
4-Chlorotoluene	U		0.000277	0.00115	1	04/14/2018 18:31	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	04/14/2018 18:31	WG1098127
1,2-Dibromoethane	U		0.000396	0.00115	1	04/14/2018 18:31	WG1098127
Dibromomethane	U		0.000441	0.00115	1	04/14/2018 18:31	WG1098127
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/14/2018 18:31	WG1098127
1,3-Dichlorobenzene	U		0.000276	0.00115	1	04/14/2018 18:31	WG1098127
1,4-Dichlorobenzene	U		0.000261	0.00115	1	04/14/2018 18:31	WG1098127
Dichlorodifluoromethane	U		0.000823	0.00577	1	04/14/2018 18:31	WG1098127
1,1-Dichloroethane	U		0.000230	0.00115	1	04/14/2018 18:31	WG1098127
1,2-Dichloroethane	U		0.000306	0.00115	1	04/14/2018 18:31	WG1098127
1,1-Dichloroethene	U		0.000350	0.00115	1	04/14/2018 18:31	WG1098127
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	04/14/2018 18:31	WG1098127
trans-1,2-Dichloroethene	U		0.000305	0.00115	1	04/14/2018 18:31	WG1098127
1,2-Dichloropropane	U		0.000413	0.00115	1	04/14/2018 18:31	WG1098127
1,1-Dichloropropene	U		0.000366	0.00115	1	04/14/2018 18:31	WG1098127
1,3-Dichloropropane	U		0.000239	0.00115	1	04/14/2018 18:31	WG1098127
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/14/2018 18:31	WG1098127
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/14/2018 18:31	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000898	0.00288	1	04/14/2018 18:31	WG1098127
2,2-Dichloropropane	U		0.000322	0.00115	1	04/14/2018 18:31	WG1098127
Di-isopropyl ether	U		0.000286	0.00115	1	04/14/2018 18:31	WG1098127
Ethylbenzene	U		0.000343	0.00115	1	04/14/2018 18:31	WG1098127
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	04/14/2018 18:31	WG1098127
2-Hexanone	U		0.00158	0.0115	1	04/14/2018 18:31	WG1098127
n-Hexane	0.00937	J	0.000335	0.0115	1	04/14/2018 18:31	WG1098127
Iodomethane	U		0.00292	0.0115	1	04/14/2018 18:31	WG1098127
Isopropylbenzene	U		0.000280	0.00115	1	04/14/2018 18:31	WG1098127
p-Isopropyltoluene	U		0.000235	0.00115	1	04/14/2018 18:31	WG1098127
2-Butanone (MEK)	0.00585	J	0.00540	0.0115	1	04/14/2018 18:31	WG1098127
Methylene Chloride	U		0.00115	0.00577	1	04/14/2018 18:31	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	04/14/2018 18:31	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	04/14/2018 18:31	WG1098127
Naphthalene	U		0.00115	0.00577	1	04/14/2018 18:31	WG1098127
n-Propylbenzene	U		0.000238	0.00115	1	04/14/2018 18:31	WG1098127
Styrene	U		0.000270	0.00115	1	04/14/2018 18:31	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	04/14/2018 18:31	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/14/2018 18:31	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/14/2018 18:31	WG1098127
Tetrachloroethene	U		0.000318	0.00115	1	04/14/2018 18:31	WG1098127
Toluene	U		0.000501	0.00577	1	04/14/2018 18:31	WG1098127
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/14/2018 18:31	WG1098127
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	04/14/2018 18:31	WG1098127
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/14/2018 18:31	WG1098127
1,1,2-Trichloroethane	U		0.000320	0.00115	1	04/14/2018 18:31	WG1098127
Trichloroethene	U		0.000322	0.00115	1	04/14/2018 18:31	WG1098127
Trichlorofluoromethane	U		0.000441	0.00577	1	04/14/2018 18:31	WG1098127
1,2,3-Trichloropropane	U		0.000855	0.00288	1	04/14/2018 18:31	WG1098127
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/14/2018 18:31	WG1098127
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/14/2018 18:31	WG1098127
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/14/2018 18:31	WG1098127
Vinyl acetate	U		0.00276	0.0115	1	04/14/2018 18:31	WG1098127
Vinyl chloride	U		0.000336	0.00115	1	04/14/2018 18:31	WG1098127
Xylenes, Total	U		0.000805	0.00346	1	04/14/2018 18:31	WG1098127
(S) Toluene-d8	*99.7*			*80.0-120*		*04/14/2018 18:31*	WG1098127
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*04/14/2018 18:31*	WG1098127
(S) 4-Bromofluorobenzene	*94.3*			*64.0-132*		*04/14/2018 18:31*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0108	0.0542	1	04/14/2018 18:52	WG1098127
Acrylonitrile	U		0.00194	0.0108	1	04/14/2018 18:52	WG1098127
Benzene	U		0.000293	0.00108	1	04/14/2018 18:52	WG1098127
Bromobenzene	U		0.000308	0.00108	1	04/14/2018 18:52	WG1098127
Bromodichloromethane	U		0.000276	0.00108	1	04/14/2018 18:52	WG1098127
Bromochloromethane	U		0.000423	0.00542	1	04/14/2018 18:52	WG1098127
Bromoform	U		0.000460	0.00108	1	04/14/2018 18:52	WG1098127
Bromomethane	U		0.00145	0.00542	1	04/14/2018 18:52	WG1098127
n-Butylbenzene	U		0.000280	0.00108	1	04/14/2018 18:52	WG1098127
sec-Butylbenzene	U		0.000218	0.00108	1	04/14/2018 18:52	WG1098127
tert-Butylbenzene	U		0.000223	0.00108	1	04/14/2018 18:52	WG1098127
Carbon disulfide	0.000247	J	0.000240	0.00108	1	04/14/2018 18:52	WG1098127
Carbon tetrachloride	U		0.000356	0.00108	1	04/14/2018 18:52	WG1098127
Chlorobenzene	U		0.000230	0.00108	1	04/14/2018 18:52	WG1098127
Chlorodibromomethane	U		0.000405	0.00108	1	04/14/2018 18:52	WG1098127
Chloroethane	U		0.00103	0.00542	1	04/14/2018 18:52	WG1098127
Chloroform	U		0.000248	0.00542	1	04/14/2018 18:52	WG1098127
Chloromethane	U		0.000407	0.00271	1	04/14/2018 18:52	WG1098127
2-Chlorotoluene	U		0.000327	0.00108	1	04/14/2018 18:52	WG1098127
4-Chlorotoluene	U		0.000260	0.00108	1	04/14/2018 18:52	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	04/14/2018 18:52	WG1098127
1,2-Dibromoethane	U		0.000372	0.00108	1	04/14/2018 18:52	WG1098127
Dibromomethane	U		0.000414	0.00108	1	04/14/2018 18:52	WG1098127
1,2-Dichlorobenzene	U		0.000331	0.00108	1	04/14/2018 18:52	WG1098127
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/14/2018 18:52	WG1098127
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/14/2018 18:52	WG1098127
Dichlorodifluoromethane	U		0.000773	0.00542	1	04/14/2018 18:52	WG1098127
1,1-Dichloroethane	U		0.000216	0.00108	1	04/14/2018 18:52	WG1098127
1,2-Dichloroethane	U		0.000287	0.00108	1	04/14/2018 18:52	WG1098127
1,1-Dichloroethene	U		0.000329	0.00108	1	04/14/2018 18:52	WG1098127
cis-1,2-Dichloroethene	U		0.000255	0.00108	1	04/14/2018 18:52	WG1098127
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/14/2018 18:52	WG1098127
1,2-Dichloropropane	U		0.000388	0.00108	1	04/14/2018 18:52	WG1098127
1,1-Dichloropropene	U		0.000344	0.00108	1	04/14/2018 18:52	WG1098127
1,3-Dichloropropane	U		0.000225	0.00108	1	04/14/2018 18:52	WG1098127
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/14/2018 18:52	WG1098127
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	04/14/2018 18:52	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	04/14/2018 18:52	WG1098127
2,2-Dichloropropane	U		0.000303	0.00108	1	04/14/2018 18:52	WG1098127
Di-isopropyl ether	U		0.000269	0.00108	1	04/14/2018 18:52	WG1098127
Ethylbenzene	U		0.000322	0.00108	1	04/14/2018 18:52	WG1098127
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	04/14/2018 18:52	WG1098127
2-Hexanone	U		0.00149	0.0108	1	04/14/2018 18:52	WG1098127
n-Hexane	U		0.000315	0.0108	1	04/14/2018 18:52	WG1098127
Iodomethane	U		0.00274	0.0108	1	04/14/2018 18:52	WG1098127
Isopropylbenzene	U		0.000264	0.00108	1	04/14/2018 18:52	WG1098127
p-Isopropyltoluene	U		0.000221	0.00108	1	04/14/2018 18:52	WG1098127
2-Butanone (MEK)	U		0.00508	0.0108	1	04/14/2018 18:52	WG1098127
Methylene Chloride	U		0.00108	0.00542	1	04/14/2018 18:52	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/14/2018 18:52	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	04/14/2018 18:52	WG1098127
Naphthalene	U		0.00108	0.00542	1	04/14/2018 18:52	WG1098127
n-Propylbenzene	U		0.000223	0.00108	1	04/14/2018 18:52	WG1098127
Styrene	U		0.000254	0.00108	1	04/14/2018 18:52	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/14/2018 18:52	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	04/14/2018 18:52	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	04/14/2018 18:52	WG1098127
Tetrachloroethene	0.00188		0.000299	0.00108	1	04/14/2018 18:52	WG1098127
Toluene	U		0.000471	0.00542	1	04/14/2018 18:52	WG1098127
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	04/14/2018 18:52	WG1098127
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	04/14/2018 18:52	WG1098127
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/14/2018 18:52	WG1098127
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/14/2018 18:52	WG1098127
Trichloroethene	U		0.000303	0.00108	1	04/14/2018 18:52	WG1098127
Trichlorofluoromethane	U		0.000414	0.00542	1	04/14/2018 18:52	WG1098127
1,2,3-Trichloropropane	U		0.000804	0.00271	1	04/14/2018 18:52	WG1098127
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	04/14/2018 18:52	WG1098127
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/14/2018 18:52	WG1098127
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	04/14/2018 18:52	WG1098127
Vinyl acetate	U		0.00259	0.0108	1	04/14/2018 18:52	WG1098127
Vinyl chloride	U		0.000316	0.00108	1	04/14/2018 18:52	WG1098127
Xylenes, Total	U		0.000757	0.00325	1	04/14/2018 18:52	WG1098127
(S) Toluene-d8	*101*			*80.0-120*		*04/14/2018 18:52*	WG1098127
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/14/2018 18:52*	WG1098127
(S) 4-Bromofluorobenzene	*94.2*			*64.0-132*		*04/14/2018 18:52*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0561	1	04/14/2018 19:14	WG1098127
Acrylonitrile	U		0.00201	0.0112	1	04/14/2018 19:14	WG1098127
Benzene	U		0.000303	0.00112	1	04/14/2018 19:14	WG1098127
Bromobenzene	U		0.000319	0.00112	1	04/14/2018 19:14	WG1098127
Bromodichloromethane	U		0.000285	0.00112	1	04/14/2018 19:14	WG1098127
Bromochloromethane	U		0.000438	0.00561	1	04/14/2018 19:14	WG1098127
Bromoform	U		0.000476	0.00112	1	04/14/2018 19:14	WG1098127
Bromomethane	U		0.00150	0.00561	1	04/14/2018 19:14	WG1098127
n-Butylbenzene	U		0.000290	0.00112	1	04/14/2018 19:14	WG1098127
sec-Butylbenzene	U		0.000226	0.00112	1	04/14/2018 19:14	WG1098127
tert-Butylbenzene	U		0.000231	0.00112	1	04/14/2018 19:14	WG1098127
Carbon disulfide	U		0.000248	0.00112	1	04/14/2018 19:14	WG1098127
Carbon tetrachloride	U		0.000368	0.00112	1	04/14/2018 19:14	WG1098127
Chlorobenzene	U		0.000238	0.00112	1	04/14/2018 19:14	WG1098127
Chlorodibromomethane	U		0.000419	0.00112	1	04/14/2018 19:14	WG1098127
Chloroethane	U		0.00106	0.00561	1	04/14/2018 19:14	WG1098127
Chloroform	U		0.000257	0.00561	1	04/14/2018 19:14	WG1098127
Chloromethane	U		0.000421	0.00281	1	04/14/2018 19:14	WG1098127
2-Chlorotoluene	U		0.000338	0.00112	1	04/14/2018 19:14	WG1098127
4-Chlorotoluene	U		0.000269	0.00112	1	04/14/2018 19:14	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	04/14/2018 19:14	WG1098127
1,2-Dibromoethane	U		0.000385	0.00112	1	04/14/2018 19:14	WG1098127
Dibromomethane	U		0.000429	0.00112	1	04/14/2018 19:14	WG1098127
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/14/2018 19:14	WG1098127
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/14/2018 19:14	WG1098127
1,4-Dichlorobenzene	U		0.000254	0.00112	1	04/14/2018 19:14	WG1098127
Dichlorodifluoromethane	U		0.000801	0.00561	1	04/14/2018 19:14	WG1098127
1,1-Dichloroethane	U		0.000223	0.00112	1	04/14/2018 19:14	WG1098127
1,2-Dichloroethane	U		0.000298	0.00112	1	04/14/2018 19:14	WG1098127
1,1-Dichloroethene	U		0.000340	0.00112	1	04/14/2018 19:14	WG1098127
cis-1,2-Dichloroethene	0.00364		0.000264	0.00112	1	04/14/2018 19:14	WG1098127
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/14/2018 19:14	WG1098127
1,2-Dichloropropane	U		0.000402	0.00112	1	04/14/2018 19:14	WG1098127
1,1-Dichloropropene	U		0.000356	0.00112	1	04/14/2018 19:14	WG1098127
1,3-Dichloropropane	U		0.000232	0.00112	1	04/14/2018 19:14	WG1098127
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/14/2018 19:14	WG1098127
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	04/14/2018 19:14	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000874	0.00281	1	04/14/2018 19:14	WG1098127
2,2-Dichloropropane	U		0.000313	0.00112	1	04/14/2018 19:14	WG1098127
Di-isopropyl ether	U		0.000278	0.00112	1	04/14/2018 19:14	WG1098127
Ethylbenzene	U		0.000334	0.00112	1	04/14/2018 19:14	WG1098127
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/14/2018 19:14	WG1098127
2-Hexanone	U		0.00154	0.0112	1	04/14/2018 19:14	WG1098127
n-Hexane	0.000376	J	0.000326	0.0112	1	04/14/2018 19:14	WG1098127
Iodomethane	U		0.00284	0.0112	1	04/14/2018 19:14	WG1098127
Isopropylbenzene	U		0.000273	0.00112	1	04/14/2018 19:14	WG1098127
p-Isopropyltoluene	U		0.000229	0.00112	1	04/14/2018 19:14	WG1098127
2-Butanone (MEK)	U		0.00526	0.0112	1	04/14/2018 19:14	WG1098127
Methylene Chloride	U		0.00112	0.00561	1	04/14/2018 19:14	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/14/2018 19:14	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/14/2018 19:14	WG1098127
Naphthalene	U		0.00112	0.00561	1	04/14/2018 19:14	WG1098127
n-Propylbenzene	U		0.000231	0.00112	1	04/14/2018 19:14	WG1098127
Styrene	U		0.000263	0.00112	1	04/14/2018 19:14	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/14/2018 19:14	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	04/14/2018 19:14	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	04/14/2018 19:14	WG1098127
Tetrachloroethene	U		0.000310	0.00112	1	04/14/2018 19:14	WG1098127
Toluene	U		0.000487	0.00561	1	04/14/2018 19:14	WG1098127
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	04/14/2018 19:14	WG1098127
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	04/14/2018 19:14	WG1098127
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/14/2018 19:14	WG1098127
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/14/2018 19:14	WG1098127
Trichloroethene	U		0.000313	0.00112	1	04/14/2018 19:14	WG1098127
Trichlorofluoromethane	U		0.000429	0.00561	1	04/14/2018 19:14	WG1098127
1,2,3-Trichloropropane	U		0.000832	0.00281	1	04/14/2018 19:14	WG1098127
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/14/2018 19:14	WG1098127
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/14/2018 19:14	WG1098127
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	04/14/2018 19:14	WG1098127
Vinyl acetate	U		0.00268	0.0112	1	04/14/2018 19:14	WG1098127
Vinyl chloride	0.0144		0.000327	0.00112	1	04/14/2018 19:14	WG1098127
Xylenes, Total	U		0.000784	0.00337	1	04/14/2018 19:14	WG1098127
(S) Toluene-d8	*101*			*80.0-120*		*04/14/2018 19:14*	WG1098127
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/14/2018 19:14*	WG1098127
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*04/14/2018 19:14*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0109	0.0543	1	04/14/2018 19:35	WG1098127
Acrylonitrile	U		0.00194	0.0109	1	04/14/2018 19:35	WG1098127
Benzene	U		0.000293	0.00109	1	04/14/2018 19:35	WG1098127
Bromobenzene	U		0.000309	0.00109	1	04/14/2018 19:35	WG1098127
Bromodichloromethane	U		0.000276	0.00109	1	04/14/2018 19:35	WG1098127
Bromochloromethane	U		0.000424	0.00543	1	04/14/2018 19:35	WG1098127
Bromoform	U		0.000461	0.00109	1	04/14/2018 19:35	WG1098127
Bromomethane	U		0.00146	0.00543	1	04/14/2018 19:35	WG1098127
n-Butylbenzene	U		0.000280	0.00109	1	04/14/2018 19:35	WG1098127
sec-Butylbenzene	U		0.000218	0.00109	1	04/14/2018 19:35	WG1098127
tert-Butylbenzene	U		0.000224	0.00109	1	04/14/2018 19:35	WG1098127
Carbon disulfide	0.000261	J	0.000240	0.00109	1	04/14/2018 19:35	WG1098127
Carbon tetrachloride	U		0.000356	0.00109	1	04/14/2018 19:35	WG1098127
Chlorobenzene	U		0.000230	0.00109	1	04/14/2018 19:35	WG1098127
Chlorodibromomethane	U		0.000405	0.00109	1	04/14/2018 19:35	WG1098127
Chloroethane	U		0.00103	0.00543	1	04/14/2018 19:35	WG1098127
Chloroform	U		0.000249	0.00543	1	04/14/2018 19:35	WG1098127
Chloromethane	U		0.000407	0.00272	1	04/14/2018 19:35	WG1098127
2-Chlorotoluene	U		0.000327	0.00109	1	04/14/2018 19:35	WG1098127
4-Chlorotoluene	U		0.000261	0.00109	1	04/14/2018 19:35	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	04/14/2018 19:35	WG1098127
1,2-Dibromoethane	U		0.000373	0.00109	1	04/14/2018 19:35	WG1098127
Dibromomethane	U		0.000415	0.00109	1	04/14/2018 19:35	WG1098127
1,2-Dichlorobenzene	U		0.000331	0.00109	1	04/14/2018 19:35	WG1098127
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/14/2018 19:35	WG1098127
1,4-Dichlorobenzene	U		0.000246	0.00109	1	04/14/2018 19:35	WG1098127
Dichlorodifluoromethane	U		0.000775	0.00543	1	04/14/2018 19:35	WG1098127
1,1-Dichloroethane	U		0.000216	0.00109	1	04/14/2018 19:35	WG1098127
1,2-Dichloroethane	U		0.000288	0.00109	1	04/14/2018 19:35	WG1098127
1,1-Dichloroethene	U		0.000329	0.00109	1	04/14/2018 19:35	WG1098127
cis-1,2-Dichloroethene	0.00113		0.000255	0.00109	1	04/14/2018 19:35	WG1098127
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/14/2018 19:35	WG1098127
1,2-Dichloropropane	U		0.000389	0.00109	1	04/14/2018 19:35	WG1098127
1,1-Dichloropropene	U		0.000344	0.00109	1	04/14/2018 19:35	WG1098127
1,3-Dichloropropane	U		0.000225	0.00109	1	04/14/2018 19:35	WG1098127
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/14/2018 19:35	WG1098127
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	04/14/2018 19:35	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000845	0.00272	1	04/14/2018 19:35	WG1098127
2,2-Dichloropropane	U		0.000303	0.00109	1	04/14/2018 19:35	WG1098127
Di-isopropyl ether	U		0.000269	0.00109	1	04/14/2018 19:35	WG1098127
Ethylbenzene	U		0.000323	0.00109	1	04/14/2018 19:35	WG1098127
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	04/14/2018 19:35	WG1098127
2-Hexanone	U		0.00149	0.0109	1	04/14/2018 19:35	WG1098127
n-Hexane	U		0.000315	0.0109	1	04/14/2018 19:35	WG1098127
Iodomethane	U		0.00275	0.0109	1	04/14/2018 19:35	WG1098127
Isopropylbenzene	U		0.000264	0.00109	1	04/14/2018 19:35	WG1098127
p-Isopropyltoluene	U		0.000222	0.00109	1	04/14/2018 19:35	WG1098127
2-Butanone (MEK)	U		0.00508	0.0109	1	04/14/2018 19:35	WG1098127
Methylene Chloride	U		0.00109	0.00543	1	04/14/2018 19:35	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	04/14/2018 19:35	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00109	1	04/14/2018 19:35	WG1098127
Naphthalene	U		0.00109	0.00543	1	04/14/2018 19:35	WG1098127
n-Propylbenzene	U		0.000224	0.00109	1	04/14/2018 19:35	WG1098127
Styrene	U		0.000254	0.00109	1	04/14/2018 19:35	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/14/2018 19:35	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/14/2018 19:35	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/14/2018 19:35	WG1098127
Tetrachloroethene	0.000801	J	0.000300	0.00109	1	04/14/2018 19:35	WG1098127
Toluene	U		0.000471	0.00543	1	04/14/2018 19:35	WG1098127
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	04/14/2018 19:35	WG1098127
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	04/14/2018 19:35	WG1098127
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/14/2018 19:35	WG1098127
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/14/2018 19:35	WG1098127
Trichloroethene	0.000551	J	0.000303	0.00109	1	04/14/2018 19:35	WG1098127
Trichlorofluoromethane	U		0.000415	0.00543	1	04/14/2018 19:35	WG1098127
1,2,3-Trichloropropane	U		0.000805	0.00272	1	04/14/2018 19:35	WG1098127
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	04/14/2018 19:35	WG1098127
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/14/2018 19:35	WG1098127
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/14/2018 19:35	WG1098127
Vinyl acetate	U		0.00260	0.0109	1	04/14/2018 19:35	WG1098127
Vinyl chloride	U		0.000316	0.00109	1	04/14/2018 19:35	WG1098127
Xylenes, Total	U		0.000758	0.00326	1	04/14/2018 19:35	WG1098127
(S) Toluene-d8	*98.5*			*80.0-120*		*04/14/2018 19:35*	WG1098127
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/14/2018 19:35*	WG1098127
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*04/14/2018 19:35*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0551	1	04/14/2018 19:56	WG1098127
Acrylonitrile	U		0.00197	0.0110	1	04/14/2018 19:56	WG1098127
Benzene	U		0.000298	0.00110	1	04/14/2018 19:56	WG1098127
Bromobenzene	U		0.000313	0.00110	1	04/14/2018 19:56	WG1098127
Bromodichloromethane	U		0.000280	0.00110	1	04/14/2018 19:56	WG1098127
Bromochloromethane	U		0.000430	0.00551	1	04/14/2018 19:56	WG1098127
Bromoform	U		0.000468	0.00110	1	04/14/2018 19:56	WG1098127
Bromomethane	U		0.00148	0.00551	1	04/14/2018 19:56	WG1098127
n-Butylbenzene	U		0.000285	0.00110	1	04/14/2018 19:56	WG1098127
sec-Butylbenzene	U		0.000222	0.00110	1	04/14/2018 19:56	WG1098127
tert-Butylbenzene	U		0.000227	0.00110	1	04/14/2018 19:56	WG1098127
Carbon disulfide	0.000256	J	0.000244	0.00110	1	04/14/2018 19:56	WG1098127
Carbon tetrachloride	U		0.000362	0.00110	1	04/14/2018 19:56	WG1098127
Chlorobenzene	U		0.000234	0.00110	1	04/14/2018 19:56	WG1098127
Chlorodibromomethane	U		0.000411	0.00110	1	04/14/2018 19:56	WG1098127
Chloroethane	U		0.00104	0.00551	1	04/14/2018 19:56	WG1098127
Chloroform	U		0.000253	0.00551	1	04/14/2018 19:56	WG1098127
Chloromethane	U		0.000414	0.00276	1	04/14/2018 19:56	WG1098127
2-Chlorotoluene	U		0.000332	0.00110	1	04/14/2018 19:56	WG1098127
4-Chlorotoluene	U		0.000265	0.00110	1	04/14/2018 19:56	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/14/2018 19:56	WG1098127
1,2-Dibromoethane	U		0.000378	0.00110	1	04/14/2018 19:56	WG1098127
Dibromomethane	U		0.000421	0.00110	1	04/14/2018 19:56	WG1098127
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/14/2018 19:56	WG1098127
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/14/2018 19:56	WG1098127
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/14/2018 19:56	WG1098127
Dichlorodifluoromethane	U		0.000786	0.00551	1	04/14/2018 19:56	WG1098127
1,1-Dichloroethane	U		0.000219	0.00110	1	04/14/2018 19:56	WG1098127
1,2-Dichloroethane	U		0.000292	0.00110	1	04/14/2018 19:56	WG1098127
1,1-Dichloroethene	U		0.000334	0.00110	1	04/14/2018 19:56	WG1098127
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	04/14/2018 19:56	WG1098127
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/14/2018 19:56	WG1098127
1,2-Dichloropropane	U		0.000395	0.00110	1	04/14/2018 19:56	WG1098127
1,1-Dichloropropene	U		0.000350	0.00110	1	04/14/2018 19:56	WG1098127
1,3-Dichloropropane	U		0.000228	0.00110	1	04/14/2018 19:56	WG1098127
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/14/2018 19:56	WG1098127
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/14/2018 19:56	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	04/14/2018 19:56	WG1098127
2,2-Dichloropropane	U		0.000308	0.00110	1	04/14/2018 19:56	WG1098127
Di-isopropyl ether	U		0.000274	0.00110	1	04/14/2018 19:56	WG1098127
Ethylbenzene	U		0.000328	0.00110	1	04/14/2018 19:56	WG1098127
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/14/2018 19:56	WG1098127
2-Hexanone	U		0.00151	0.0110	1	04/14/2018 19:56	WG1098127
n-Hexane	U		0.000320	0.0110	1	04/14/2018 19:56	WG1098127
Iodomethane	U		0.00279	0.0110	1	04/14/2018 19:56	WG1098127
Isopropylbenzene	U		0.000268	0.00110	1	04/14/2018 19:56	WG1098127
p-Isopropyltoluene	U		0.000225	0.00110	1	04/14/2018 19:56	WG1098127
2-Butanone (MEK)	U		0.00516	0.0110	1	04/14/2018 19:56	WG1098127
Methylene Chloride	U		0.00110	0.00551	1	04/14/2018 19:56	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/14/2018 19:56	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/14/2018 19:56	WG1098127
Naphthalene	U		0.00110	0.00551	1	04/14/2018 19:56	WG1098127
n-Propylbenzene	U		0.000227	0.00110	1	04/14/2018 19:56	WG1098127
Styrene	U		0.000258	0.00110	1	04/14/2018 19:56	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/14/2018 19:56	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/14/2018 19:56	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/14/2018 19:56	WG1098127
Tetrachloroethene	U		0.000304	0.00110	1	04/14/2018 19:56	WG1098127
Toluene	U		0.000479	0.00551	1	04/14/2018 19:56	WG1098127
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/14/2018 19:56	WG1098127
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/14/2018 19:56	WG1098127
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/14/2018 19:56	WG1098127
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/14/2018 19:56	WG1098127
Trichloroethene	U		0.000308	0.00110	1	04/14/2018 19:56	WG1098127
Trichlorofluoromethane	U		0.000421	0.00551	1	04/14/2018 19:56	WG1098127
1,2,3-Trichloropropane	U		0.000817	0.00276	1	04/14/2018 19:56	WG1098127
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/14/2018 19:56	WG1098127
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/14/2018 19:56	WG1098127
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/14/2018 19:56	WG1098127
Vinyl acetate	U		0.00264	0.0110	1	04/14/2018 19:56	WG1098127
Vinyl chloride	U		0.000321	0.00110	1	04/14/2018 19:56	WG1098127
Xylenes, Total	U		0.000770	0.00331	1	04/14/2018 19:56	WG1098127
(S) Toluene-d8	*102*			*80.0-120*		*04/14/2018 19:56*	WG1098127
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*04/14/2018 19:56*	WG1098127
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/14/2018 19:56*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.2		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0126	0.0631	1	04/14/2018 20:18	WG1098127
Acrylonitrile	U		0.00226	0.0126	1	04/14/2018 20:18	WG1098127
Benzene	U		0.000341	0.00126	1	04/14/2018 20:18	WG1098127
Bromobenzene	U		0.000358	0.00126	1	04/14/2018 20:18	WG1098127
Bromodichloromethane	U		0.000321	0.00126	1	04/14/2018 20:18	WG1098127
Bromochloromethane	U		0.000492	0.00631	1	04/14/2018 20:18	WG1098127
Bromoform	U		0.000535	0.00126	1	04/14/2018 20:18	WG1098127
Bromomethane	U		0.00169	0.00631	1	04/14/2018 20:18	WG1098127
n-Butylbenzene	U		0.000326	0.00126	1	04/14/2018 20:18	WG1098127
sec-Butylbenzene	U		0.000254	0.00126	1	04/14/2018 20:18	WG1098127
tert-Butylbenzene	U		0.000260	0.00126	1	04/14/2018 20:18	WG1098127
Carbon disulfide	U		0.000279	0.00126	1	04/14/2018 20:18	WG1098127
Carbon tetrachloride	U		0.000414	0.00126	1	04/14/2018 20:18	WG1098127
Chlorobenzene	U		0.000268	0.00126	1	04/14/2018 20:18	WG1098127
Chlorodibromomethane	U		0.000471	0.00126	1	04/14/2018 20:18	WG1098127
Chloroethane	U		0.00119	0.00631	1	04/14/2018 20:18	WG1098127
Chloroform	U		0.000289	0.00631	1	04/14/2018 20:18	WG1098127
Chloromethane	U		0.000473	0.00315	1	04/14/2018 20:18	WG1098127
2-Chlorotoluene	U		0.000380	0.00126	1	04/14/2018 20:18	WG1098127
4-Chlorotoluene	U		0.000303	0.00126	1	04/14/2018 20:18	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00132	0.00631	1	04/14/2018 20:18	WG1098127
1,2-Dibromoethane	U		0.000433	0.00126	1	04/14/2018 20:18	WG1098127
Dibromomethane	U		0.000482	0.00126	1	04/14/2018 20:18	WG1098127
1,2-Dichlorobenzene	U		0.000385	0.00126	1	04/14/2018 20:18	WG1098127
1,3-Dichlorobenzene	U		0.000302	0.00126	1	04/14/2018 20:18	WG1098127
1,4-Dichlorobenzene	U		0.000285	0.00126	1	04/14/2018 20:18	WG1098127
Dichlorodifluoromethane	U		0.000900	0.00631	1	04/14/2018 20:18	WG1098127
1,1-Dichloroethane	U		0.000251	0.00126	1	04/14/2018 20:18	WG1098127
1,2-Dichloroethane	U		0.000334	0.00126	1	04/14/2018 20:18	WG1098127
1,1-Dichloroethene	U		0.000382	0.00126	1	04/14/2018 20:18	WG1098127
cis-1,2-Dichloroethene	U		0.000297	0.00126	1	04/14/2018 20:18	WG1098127
trans-1,2-Dichloroethene	U		0.000333	0.00126	1	04/14/2018 20:18	WG1098127
1,2-Dichloropropane	U		0.000452	0.00126	1	04/14/2018 20:18	WG1098127
1,1-Dichloropropene	U		0.000400	0.00126	1	04/14/2018 20:18	WG1098127
1,3-Dichloropropane	U		0.000261	0.00126	1	04/14/2018 20:18	WG1098127
cis-1,3-Dichloropropene	U		0.000331	0.00126	1	04/14/2018 20:18	WG1098127
trans-1,3-Dichloropropene	U		0.000337	0.00126	1	04/14/2018 20:18	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000982	0.00315	1	04/14/2018 20:18	WG1098127
2,2-Dichloropropane	U		0.000352	0.00126	1	04/14/2018 20:18	WG1098127
Di-isopropyl ether	U		0.000313	0.00126	1	04/14/2018 20:18	WG1098127
Ethylbenzene	U		0.000375	0.00126	1	04/14/2018 20:18	WG1098127
Hexachloro-1,3-butadiene	U		0.000432	0.00126	1	04/14/2018 20:18	WG1098127
2-Hexanone	U		0.00173	0.0126	1	04/14/2018 20:18	WG1098127
n-Hexane	U		0.000366	0.0126	1	04/14/2018 20:18	WG1098127
Iodomethane	U		0.00319	0.0126	1	04/14/2018 20:18	WG1098127
Isopropylbenzene	U		0.000307	0.00126	1	04/14/2018 20:18	WG1098127
p-Isopropyltoluene	U		0.000257	0.00126	1	04/14/2018 20:18	WG1098127
2-Butanone (MEK)	U		0.00591	0.0126	1	04/14/2018 20:18	WG1098127
Methylene Chloride	U		0.00126	0.00631	1	04/14/2018 20:18	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00237	0.0126	1	04/14/2018 20:18	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000268	0.00126	1	04/14/2018 20:18	WG1098127
Naphthalene	U		0.00126	0.00631	1	04/14/2018 20:18	WG1098127
n-Propylbenzene	U		0.000260	0.00126	1	04/14/2018 20:18	WG1098127
Styrene	U		0.000295	0.00126	1	04/14/2018 20:18	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000333	0.00126	1	04/14/2018 20:18	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000461	0.00126	1	04/14/2018 20:18	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000461	0.00126	1	04/14/2018 20:18	WG1098127
Tetrachloroethene	U		0.000348	0.00126	1	04/14/2018 20:18	WG1098127
Toluene	U		0.000548	0.00631	1	04/14/2018 20:18	WG1098127
1,2,3-Trichlorobenzene	U		0.000386	0.00126	1	04/14/2018 20:18	WG1098127
1,2,4-Trichlorobenzene	U		0.000490	0.00126	1	04/14/2018 20:18	WG1098127
1,1,1-Trichloroethane	U		0.000361	0.00126	1	04/14/2018 20:18	WG1098127
1,1,2-Trichloroethane	U		0.000350	0.00126	1	04/14/2018 20:18	WG1098127
Trichloroethene	U		0.000352	0.00126	1	04/14/2018 20:18	WG1098127
Trichlorofluoromethane	U		0.000482	0.00631	1	04/14/2018 20:18	WG1098127
1,2,3-Trichloropropane	U		0.000935	0.00315	1	04/14/2018 20:18	WG1098127
1,2,4-Trimethylbenzene	U		0.000266	0.00126	1	04/14/2018 20:18	WG1098127
1,2,3-Trimethylbenzene	U		0.000362	0.00126	1	04/14/2018 20:18	WG1098127
1,3,5-Trimethylbenzene	U		0.000336	0.00126	1	04/14/2018 20:18	WG1098127
Vinyl acetate	U		0.00302	0.0126	1	04/14/2018 20:18	WG1098127
Vinyl chloride	U		0.000367	0.00126	1	04/14/2018 20:18	WG1098127
Xylenes, Total	U		0.000881	0.00379	1	04/14/2018 20:18	WG1098127
(S) Toluene-d8	*101*			*80.0-120*		*04/14/2018 20:18*	WG1098127
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/14/2018 20:18*	WG1098127
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*04/14/2018 20:18*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.4		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0198	J	0.0126	0.0630	1	04/14/2018 20:40	WG1098127
Acrylonitrile	U		0.00226	0.0126	1	04/14/2018 20:40	WG1098127
Benzene	U		0.000340	0.00126	1	04/14/2018 20:40	WG1098127
Bromobenzene	U		0.000358	0.00126	1	04/14/2018 20:40	WG1098127
Bromodichloromethane	U		0.000320	0.00126	1	04/14/2018 20:40	WG1098127
Bromochloromethane	U		0.000491	0.00630	1	04/14/2018 20:40	WG1098127
Bromoform	U		0.000534	0.00126	1	04/14/2018 20:40	WG1098127
Bromomethane	U		0.00169	0.00630	1	04/14/2018 20:40	WG1098127
n-Butylbenzene	U		0.000325	0.00126	1	04/14/2018 20:40	WG1098127
sec-Butylbenzene	U		0.000253	0.00126	1	04/14/2018 20:40	WG1098127
tert-Butylbenzene	U		0.000260	0.00126	1	04/14/2018 20:40	WG1098127
Carbon disulfide	0.000395	J	0.000278	0.00126	1	04/14/2018 20:40	WG1098127
Carbon tetrachloride	U		0.000413	0.00126	1	04/14/2018 20:40	WG1098127
Chlorobenzene	U		0.000267	0.00126	1	04/14/2018 20:40	WG1098127
Chlorodibromomethane	U		0.000470	0.00126	1	04/14/2018 20:40	WG1098127
Chloroethane	U		0.00119	0.00630	1	04/14/2018 20:40	WG1098127
Chloroform	U		0.000289	0.00630	1	04/14/2018 20:40	WG1098127
Chloromethane	U		0.000473	0.00315	1	04/14/2018 20:40	WG1098127
2-Chlorotoluene	U		0.000379	0.00126	1	04/14/2018 20:40	WG1098127
4-Chlorotoluene	U		0.000302	0.00126	1	04/14/2018 20:40	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00132	0.00630	1	04/14/2018 20:40	WG1098127
1,2-Dibromoethane	U		0.000432	0.00126	1	04/14/2018 20:40	WG1098127
Dibromomethane	U		0.000481	0.00126	1	04/14/2018 20:40	WG1098127
1,2-Dichlorobenzene	U		0.000384	0.00126	1	04/14/2018 20:40	WG1098127
1,3-Dichlorobenzene	U		0.000301	0.00126	1	04/14/2018 20:40	WG1098127
1,4-Dichlorobenzene	U		0.000285	0.00126	1	04/14/2018 20:40	WG1098127
Dichlorodifluoromethane	U		0.000898	0.00630	1	04/14/2018 20:40	WG1098127
1,1-Dichloroethane	U		0.000251	0.00126	1	04/14/2018 20:40	WG1098127
1,2-Dichloroethane	U		0.000334	0.00126	1	04/14/2018 20:40	WG1098127
1,1-Dichloroethene	U		0.000382	0.00126	1	04/14/2018 20:40	WG1098127
cis-1,2-Dichloroethene	0.000380	J	0.000296	0.00126	1	04/14/2018 20:40	WG1098127
trans-1,2-Dichloroethene	U		0.000333	0.00126	1	04/14/2018 20:40	WG1098127
1,2-Dichloropropane	U		0.000451	0.00126	1	04/14/2018 20:40	WG1098127
1,1-Dichloropropene	U		0.000399	0.00126	1	04/14/2018 20:40	WG1098127
1,3-Dichloropropane	U		0.000261	0.00126	1	04/14/2018 20:40	WG1098127
cis-1,3-Dichloropropene	U		0.000330	0.00126	1	04/14/2018 20:40	WG1098127
trans-1,3-Dichloropropene	U		0.000336	0.00126	1	04/14/2018 20:40	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000980	0.00315	1	04/14/2018 20:40	WG1098127
2,2-Dichloropropane	U		0.000352	0.00126	1	04/14/2018 20:40	WG1098127
Di-isopropyl ether	U		0.000313	0.00126	1	04/14/2018 20:40	WG1098127
Ethylbenzene	U		0.000374	0.00126	1	04/14/2018 20:40	WG1098127
Hexachloro-1,3-butadiene	U		0.000431	0.00126	1	04/14/2018 20:40	WG1098127
2-Hexanone	U		0.00173	0.0126	1	04/14/2018 20:40	WG1098127
n-Hexane	0.00557	J	0.000365	0.0126	1	04/14/2018 20:40	WG1098127
Iodomethane	U		0.00319	0.0126	1	04/14/2018 20:40	WG1098127
Isopropylbenzene	U		0.000306	0.00126	1	04/14/2018 20:40	WG1098127
p-Isopropyltoluene	U		0.000257	0.00126	1	04/14/2018 20:40	WG1098127
2-Butanone (MEK)	U		0.00590	0.0126	1	04/14/2018 20:40	WG1098127
Methylene Chloride	U		0.00126	0.00630	1	04/14/2018 20:40	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00237	0.0126	1	04/14/2018 20:40	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000267	0.00126	1	04/14/2018 20:40	WG1098127
Naphthalene	U		0.00126	0.00630	1	04/14/2018 20:40	WG1098127
n-Propylbenzene	U		0.000260	0.00126	1	04/14/2018 20:40	WG1098127
Styrene	U		0.000295	0.00126	1	04/14/2018 20:40	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000333	0.00126	1	04/14/2018 20:40	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000460	0.00126	1	04/14/2018 20:40	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000460	0.00126	1	04/14/2018 20:40	WG1098127
Tetrachloroethene	0.000618	J	0.000348	0.00126	1	04/14/2018 20:40	WG1098127
Toluene	U		0.000547	0.00630	1	04/14/2018 20:40	WG1098127
1,2,3-Trichlorobenzene	U		0.000386	0.00126	1	04/14/2018 20:40	WG1098127
1,2,4-Trichlorobenzene	U		0.000489	0.00126	1	04/14/2018 20:40	WG1098127
1,1,1-Trichloroethane	U		0.000360	0.00126	1	04/14/2018 20:40	WG1098127
1,1,2-Trichloroethane	U		0.000349	0.00126	1	04/14/2018 20:40	WG1098127
Trichloroethene	U		0.000352	0.00126	1	04/14/2018 20:40	WG1098127
Trichlorofluoromethane	U		0.000481	0.00630	1	04/14/2018 20:40	WG1098127
1,2,3-Trichloropropane	U		0.000934	0.00315	1	04/14/2018 20:40	WG1098127
1,2,4-Trimethylbenzene	U		0.000266	0.00126	1	04/14/2018 20:40	WG1098127
1,2,3-Trimethylbenzene	U		0.000362	0.00126	1	04/14/2018 20:40	WG1098127
1,3,5-Trimethylbenzene	U		0.000335	0.00126	1	04/14/2018 20:40	WG1098127
Vinyl acetate	U		0.00301	0.0126	1	04/14/2018 20:40	WG1098127
Vinyl chloride	U		0.000367	0.00126	1	04/14/2018 20:40	WG1098127
Xylenes, Total	U		0.000880	0.00378	1	04/14/2018 20:40	WG1098127
(S) Toluene-d8	*102*			*80.0-120*		*04/14/2018 20:40*	WG1098127
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/14/2018 20:40*	WG1098127
(S) 4-Bromofluorobenzene	*96.6*			*64.0-132*		*04/14/2018 20:40*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0118	J	0.0118	0.0588	1	04/14/2018 21:21	WG1098127
Acrylonitrile	U		0.00210	0.0118	1	04/14/2018 21:21	WG1098127
Benzene	U		0.000317	0.00118	1	04/14/2018 21:21	WG1098127
Bromobenzene	U		0.000334	0.00118	1	04/14/2018 21:21	WG1098127
Bromodichloromethane	U		0.000298	0.00118	1	04/14/2018 21:21	WG1098127
Bromochloromethane	U		0.000458	0.00588	1	04/14/2018 21:21	WG1098127
Bromoform	U		0.000498	0.00118	1	04/14/2018 21:21	WG1098127
Bromomethane	U		0.00157	0.00588	1	04/14/2018 21:21	WG1098127
n-Butylbenzene	U		0.000303	0.00118	1	04/14/2018 21:21	WG1098127
sec-Butylbenzene	U		0.000236	0.00118	1	04/14/2018 21:21	WG1098127
tert-Butylbenzene	U		0.000242	0.00118	1	04/14/2018 21:21	WG1098127
Carbon disulfide	U		0.000260	0.00118	1	04/14/2018 21:21	WG1098127
Carbon tetrachloride	U		0.000385	0.00118	1	04/14/2018 21:21	WG1098127
Chlorobenzene	U		0.000249	0.00118	1	04/14/2018 21:21	WG1098127
Chlorodibromomethane	U		0.000438	0.00118	1	04/14/2018 21:21	WG1098127
Chloroethane	U		0.00111	0.00588	1	04/14/2018 21:21	WG1098127
Chloroform	U		0.000269	0.00588	1	04/14/2018 21:21	WG1098127
Chloromethane	U		0.000441	0.00294	1	04/14/2018 21:21	WG1098127
2-Chlorotoluene	U		0.000354	0.00118	1	04/14/2018 21:21	WG1098127
4-Chlorotoluene	U		0.000282	0.00118	1	04/14/2018 21:21	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00588	1	04/14/2018 21:21	WG1098127
1,2-Dibromoethane	U		0.000403	0.00118	1	04/14/2018 21:21	WG1098127
Dibromomethane	U		0.000449	0.00118	1	04/14/2018 21:21	WG1098127
1,2-Dichlorobenzene	U		0.000358	0.00118	1	04/14/2018 21:21	WG1098127
1,3-Dichlorobenzene	U		0.000281	0.00118	1	04/14/2018 21:21	WG1098127
1,4-Dichlorobenzene	U		0.000266	0.00118	1	04/14/2018 21:21	WG1098127
Dichlorodifluoromethane	U		0.000838	0.00588	1	04/14/2018 21:21	WG1098127
1,1-Dichloroethane	U		0.000234	0.00118	1	04/14/2018 21:21	WG1098127
1,2-Dichloroethane	U		0.000311	0.00118	1	04/14/2018 21:21	WG1098127
1,1-Dichloroethene	U		0.000356	0.00118	1	04/14/2018 21:21	WG1098127
cis-1,2-Dichloroethene	0.000314	J	0.000276	0.00118	1	04/14/2018 21:21	WG1098127
trans-1,2-Dichloroethene	U		0.000310	0.00118	1	04/14/2018 21:21	WG1098127
1,2-Dichloropropane	U		0.000421	0.00118	1	04/14/2018 21:21	WG1098127
1,1-Dichloropropene	U		0.000373	0.00118	1	04/14/2018 21:21	WG1098127
1,3-Dichloropropane	U		0.000243	0.00118	1	04/14/2018 21:21	WG1098127
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	04/14/2018 21:21	WG1098127
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	04/14/2018 21:21	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000914	0.00294	1	04/14/2018 21:21	WG1098127
2,2-Dichloropropane	U		0.000328	0.00118	1	04/14/2018 21:21	WG1098127
Di-isopropyl ether	U		0.000291	0.00118	1	04/14/2018 21:21	WG1098127
Ethylbenzene	U		0.000349	0.00118	1	04/14/2018 21:21	WG1098127
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	04/14/2018 21:21	WG1098127
2-Hexanone	U		0.00161	0.0118	1	04/14/2018 21:21	WG1098127
n-Hexane	0.00183	J	0.000341	0.0118	1	04/14/2018 21:21	WG1098127
Iodomethane	U		0.00297	0.0118	1	04/14/2018 21:21	WG1098127
Isopropylbenzene	U		0.000286	0.00118	1	04/14/2018 21:21	WG1098127
p-Isopropyltoluene	U		0.000240	0.00118	1	04/14/2018 21:21	WG1098127
2-Butanone (MEK)	U		0.00550	0.0118	1	04/14/2018 21:21	WG1098127
Methylene Chloride	U		0.00118	0.00588	1	04/14/2018 21:21	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	04/14/2018 21:21	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00118	1	04/14/2018 21:21	WG1098127
Naphthalene	U		0.00118	0.00588	1	04/14/2018 21:21	WG1098127
n-Propylbenzene	U		0.000242	0.00118	1	04/14/2018 21:21	WG1098127
Styrene	U		0.000275	0.00118	1	04/14/2018 21:21	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000310	0.00118	1	04/14/2018 21:21	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000429	0.00118	1	04/14/2018 21:21	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00118	1	04/14/2018 21:21	WG1098127
Tetrachloroethene	0.000585	J	0.000324	0.00118	1	04/14/2018 21:21	WG1098127
Toluene	U		0.000510	0.00588	1	04/14/2018 21:21	WG1098127
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1	04/14/2018 21:21	WG1098127
1,2,4-Trichlorobenzene	U		0.000456	0.00118	1	04/14/2018 21:21	WG1098127
1,1,1-Trichloroethane	U		0.000336	0.00118	1	04/14/2018 21:21	WG1098127
1,1,2-Trichloroethane	U		0.000326	0.00118	1	04/14/2018 21:21	WG1098127
Trichloroethene	U		0.000328	0.00118	1	04/14/2018 21:21	WG1098127
Trichlorofluoromethane	U		0.000449	0.00588	1	04/14/2018 21:21	WG1098127
1,2,3-Trichloropropane	U		0.000871	0.00294	1	04/14/2018 21:21	WG1098127
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	04/14/2018 21:21	WG1098127
1,2,3-Trimethylbenzene	U		0.000337	0.00118	1	04/14/2018 21:21	WG1098127
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	04/14/2018 21:21	WG1098127
Vinyl acetate	U		0.00281	0.0118	1	04/14/2018 21:21	WG1098127
Vinyl chloride	U		0.000342	0.00118	1	04/14/2018 21:21	WG1098127
Xylenes, Total	U		0.000820	0.00353	1	04/14/2018 21:21	WG1098127
(S) Toluene-d8	*100*			*80.0-120*		*04/14/2018 21:21*	WG1098127
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*04/14/2018 21:21*	WG1098127
(S) 4-Bromofluorobenzene	*96.1*			*64.0-132*		*04/14/2018 21:21*	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J0	1.05	25.0	1	04/13/2018 14:46	WG1097806
Acrylonitrile	U	J0	0.873	5.00	1	04/13/2018 14:46	WG1097806
Benzene	U		0.0896	0.500	1	04/13/2018 14:46	WG1097806
Bromobenzene	U		0.133	0.500	1	04/13/2018 14:46	WG1097806
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 14:46	WG1097806
Bromochloromethane	U		0.145	0.500	1	04/13/2018 14:46	WG1097806
Bromoform	U		0.186	0.500	1	04/13/2018 14:46	WG1097806
Bromomethane	U		0.157	2.50	1	04/13/2018 14:46	WG1097806
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 14:46	WG1097806
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 14:46	WG1097806
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 14:46	WG1097806
Carbon disulfide	U		0.101	0.500	1	04/13/2018 14:46	WG1097806
Carbon tetrachloride	U	J0	0.159	0.500	1	04/13/2018 14:46	WG1097806
Chlorobenzene	U		0.140	0.500	1	04/13/2018 14:46	WG1097806
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 14:46	WG1097806
Chloroethane	U		0.141	2.50	1	04/13/2018 14:46	WG1097806
Chloroform	U		0.0860	0.500	1	04/13/2018 14:46	WG1097806
Chloromethane	U	J0	0.153	1.25	1	04/13/2018 14:46	WG1097806
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 14:46	WG1097806
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 14:46	WG1097806
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 14:46	WG1097806
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 14:46	WG1097806
Dibromomethane	U		0.117	0.500	1	04/13/2018 14:46	WG1097806
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 14:46	WG1097806
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 14:46	WG1097806
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 14:46	WG1097806
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 14:46	WG1097806
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 14:46	WG1097806
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 14:46	WG1097806
1,1-Dichloroethene	U		0.188	0.500	1	04/13/2018 14:46	WG1097806
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/13/2018 14:46	WG1097806
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/13/2018 14:46	WG1097806
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 14:46	WG1097806
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 14:46	WG1097806
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 14:46	WG1097806
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 14:46	WG1097806
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 14:46	WG1097806
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 14:46	WG1097806
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 14:46	WG1097806
Di-isopropyl ether	U	J0	0.0924	0.500	1	04/13/2018 14:46	WG1097806
Ethylbenzene	U		0.158	0.500	1	04/13/2018 14:46	WG1097806
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 14:46	WG1097806
2-Hexanone	U	J0	0.757	5.00	1	04/13/2018 14:46	WG1097806
n-Hexane	U	J0	0.305	5.00	1	04/13/2018 14:46	WG1097806
Iodomethane	U		0.377	10.0	1	04/13/2018 14:46	WG1097806
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 14:46	WG1097806
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 14:46	WG1097806
2-Butanone (MEK)	U	J0	1.28	5.00	1	04/13/2018 14:46	WG1097806
Methylene Chloride	U		1.07	2.50	1	04/13/2018 14:46	WG1097806
4-Methyl-2-pentanone (MIBK)	U	J0	0.823	5.00	1	04/13/2018 14:46	WG1097806
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 14:46	WG1097806
Naphthalene	U		0.174	2.50	1	04/13/2018 14:46	WG1097806
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 14:46	WG1097806
Styrene	U	J4	0.117	0.500	1	04/13/2018 14:46	WG1097806
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 14:46	WG1097806
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 14:46	WG1097806

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 14:46	WG1097806
Tetrachloroethene	U		0.199	0.500	1	04/13/2018 14:46	WG1097806
Toluene	U		0.412	0.500	1	04/13/2018 14:46	WG1097806
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 14:46	WG1097806
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 14:46	WG1097806
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 14:46	WG1097806
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 14:46	WG1097806
Trichloroethene	U		0.153	0.500	1	04/13/2018 14:46	WG1097806
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 14:46	WG1097806
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 14:46	WG1097806
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 14:46	WG1097806
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 14:46	WG1097806
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 14:46	WG1097806
Vinyl acetate	U		0.645	5.00	1	04/13/2018 14:46	WG1097806
Vinyl chloride	U		0.118	0.500	1	04/13/2018 14:46	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 14:46	WG1097806
(S) Toluene-d8	*93.9*			*80.0-120*		*04/13/2018 14:46*	WG1097806
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/13/2018 14:46*	WG1097806
(S) 4-Bromofluorobenzene	*118*			*80.0-120*		*04/13/2018 14:46*	WG1097806

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0437	J	0.0139	0.0693	1	04/14/2018 21:42	WG1098127
Acrylonitrile	U		0.00248	0.0139	1	04/14/2018 21:42	WG1098127
Benzene	0.00459		0.000374	0.00139	1	04/14/2018 21:42	WG1098127
Bromobenzene	U		0.000394	0.00139	1	04/14/2018 21:42	WG1098127
Bromodichloromethane	U		0.000352	0.00139	1	04/14/2018 21:42	WG1098127
Bromochloromethane	U		0.000541	0.00693	1	04/14/2018 21:42	WG1098127
Bromoform	U		0.000588	0.00139	1	04/14/2018 21:42	WG1098127
Bromomethane	U		0.00186	0.00693	1	04/14/2018 21:42	WG1098127
n-Butylbenzene	U		0.000358	0.00139	1	04/14/2018 21:42	WG1098127
sec-Butylbenzene	U		0.000279	0.00139	1	04/14/2018 21:42	WG1098127
tert-Butylbenzene	U		0.000286	0.00139	1	04/14/2018 21:42	WG1098127
Carbon disulfide	0.000789	J	0.000306	0.00139	1	04/14/2018 21:42	WG1098127
Carbon tetrachloride	U		0.000455	0.00139	1	04/14/2018 21:42	WG1098127
Chlorobenzene	U		0.000294	0.00139	1	04/14/2018 21:42	WG1098127
Chlorodibromomethane	U		0.000517	0.00139	1	04/14/2018 21:42	WG1098127
Chloroethane	U		0.00131	0.00693	1	04/14/2018 21:42	WG1098127
Chloroform	U		0.000317	0.00693	1	04/14/2018 21:42	WG1098127
Chloromethane	U		0.000520	0.00347	1	04/14/2018 21:42	WG1098127
2-Chlorotoluene	U		0.000417	0.00139	1	04/14/2018 21:42	WG1098127
4-Chlorotoluene	U		0.000333	0.00139	1	04/14/2018 21:42	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00146	0.00693	1	04/14/2018 21:42	WG1098127
1,2-Dibromoethane	U		0.000475	0.00139	1	04/14/2018 21:42	WG1098127
Dibromomethane	U		0.000530	0.00139	1	04/14/2018 21:42	WG1098127
1,2-Dichlorobenzene	U		0.000423	0.00139	1	04/14/2018 21:42	WG1098127
1,3-Dichlorobenzene	U		0.000331	0.00139	1	04/14/2018 21:42	WG1098127
1,4-Dichlorobenzene	U		0.000313	0.00139	1	04/14/2018 21:42	WG1098127
Dichlorodifluoromethane	U		0.000988	0.00693	1	04/14/2018 21:42	WG1098127
1,1-Dichloroethane	0.000609	J	0.000276	0.00139	1	04/14/2018 21:42	WG1098127
1,2-Dichloroethane	U		0.000367	0.00139	1	04/14/2018 21:42	WG1098127
1,1-Dichloroethene	U		0.000420	0.00139	1	04/14/2018 21:42	WG1098127
cis-1,2-Dichloroethene	U		0.000326	0.00139	1	04/14/2018 21:42	WG1098127
trans-1,2-Dichloroethene	U		0.000366	0.00139	1	04/14/2018 21:42	WG1098127
1,2-Dichloropropane	U		0.000496	0.00139	1	04/14/2018 21:42	WG1098127
1,1-Dichloropropene	U		0.000439	0.00139	1	04/14/2018 21:42	WG1098127
1,3-Dichloropropane	U		0.000287	0.00139	1	04/14/2018 21:42	WG1098127
cis-1,3-Dichloropropene	U		0.000363	0.00139	1	04/14/2018 21:42	WG1098127
trans-1,3-Dichloropropene	U		0.000370	0.00139	1	04/14/2018 21:42	WG1098127
trans-1,4-Dichloro-2-butene	U		0.00108	0.00347	1	04/14/2018 21:42	WG1098127
2,2-Dichloropropane	U		0.000387	0.00139	1	04/14/2018 21:42	WG1098127
Di-isopropyl ether	U		0.000344	0.00139	1	04/14/2018 21:42	WG1098127
Ethylbenzene	U		0.000412	0.00139	1	04/14/2018 21:42	WG1098127
Hexachloro-1,3-butadiene	U		0.000474	0.00139	1	04/14/2018 21:42	WG1098127
2-Hexanone	U		0.00190	0.0139	1	04/14/2018 21:42	WG1098127
n-Hexane	0.00289	J	0.000402	0.0139	1	04/14/2018 21:42	WG1098127
Iodomethane	U		0.00351	0.0139	1	04/14/2018 21:42	WG1098127
Isopropylbenzene	U		0.000337	0.00139	1	04/14/2018 21:42	WG1098127
p-Isopropyltoluene	U		0.000283	0.00139	1	04/14/2018 21:42	WG1098127
2-Butanone (MEK)	U		0.00649	0.0139	1	04/14/2018 21:42	WG1098127
Methylene Chloride	U		0.00139	0.00693	1	04/14/2018 21:42	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00261	0.0139	1	04/14/2018 21:42	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000294	0.00139	1	04/14/2018 21:42	WG1098127
Naphthalene	U		0.00139	0.00693	1	04/14/2018 21:42	WG1098127
n-Propylbenzene	U		0.000286	0.00139	1	04/14/2018 21:42	WG1098127
Styrene	U		0.000324	0.00139	1	04/14/2018 21:42	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000366	0.00139	1	04/14/2018 21:42	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000506	0.00139	1	04/14/2018 21:42	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000506	0.00139	1	04/14/2018 21:42	WG1098127
Tetrachloroethene	0.000499	J	0.000383	0.00139	1	04/14/2018 21:42	WG1098127
Toluene	U		0.000602	0.00693	1	04/14/2018 21:42	WG1098127
1,2,3-Trichlorobenzene	U		0.000424	0.00139	1	04/14/2018 21:42	WG1098127
1,2,4-Trichlorobenzene	U		0.000538	0.00139	1	04/14/2018 21:42	WG1098127
1,1,1-Trichloroethane	0.000715	J	0.000396	0.00139	1	04/14/2018 21:42	WG1098127
1,1,2-Trichloroethane	U		0.000384	0.00139	1	04/14/2018 21:42	WG1098127
Trichloroethene	U		0.000387	0.00139	1	04/14/2018 21:42	WG1098127
Trichlorofluoromethane	U		0.000530	0.00693	1	04/14/2018 21:42	WG1098127
1,2,3-Trichloropropane	U		0.00103	0.00347	1	04/14/2018 21:42	WG1098127
1,2,4-Trimethylbenzene	U		0.000292	0.00139	1	04/14/2018 21:42	WG1098127
1,2,3-Trimethylbenzene	U		0.000398	0.00139	1	04/14/2018 21:42	WG1098127
1,3,5-Trimethylbenzene	U		0.000369	0.00139	1	04/14/2018 21:42	WG1098127
Vinyl acetate	U		0.00331	0.0139	1	04/14/2018 21:42	WG1098127
Vinyl chloride	U		0.000403	0.00139	1	04/14/2018 21:42	WG1098127
Xylenes, Total	U		0.000968	0.00416	1	04/14/2018 21:42	WG1098127
(S) Toluene-d8	*99.3*			*80.0-120*		*04/14/2018 21:42*	WG1098127
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*04/14/2018 21:42*	WG1098127
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/14/2018 21:42*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0142	J	0.0116	0.0581	1	04/15/2018 14:21	WG1098127
Acrylonitrile	U		0.00208	0.0116	1	04/15/2018 14:21	WG1098127
Benzene	U		0.000314	0.00116	1	04/15/2018 14:21	WG1098127
Bromobenzene	U		0.000330	0.00116	1	04/15/2018 14:21	WG1098127
Bromodichloromethane	U		0.000295	0.00116	1	04/15/2018 14:21	WG1098127
Bromochloromethane	U		0.000453	0.00581	1	04/15/2018 14:21	WG1098127
Bromoform	U		0.000493	0.00116	1	04/15/2018 14:21	WG1098127
Bromomethane	U		0.00156	0.00581	1	04/15/2018 14:21	WG1098127
n-Butylbenzene	U		0.000300	0.00116	1	04/15/2018 14:21	WG1098127
sec-Butylbenzene	U		0.000233	0.00116	1	04/15/2018 14:21	WG1098127
tert-Butylbenzene	U		0.000239	0.00116	1	04/15/2018 14:21	WG1098127
Carbon disulfide	0.000833	J	0.000257	0.00116	1	04/15/2018 14:21	WG1098127
Carbon tetrachloride	U		0.000381	0.00116	1	04/15/2018 14:21	WG1098127
Chlorobenzene	U		0.000246	0.00116	1	04/15/2018 14:21	WG1098127
Chlorodibromomethane	U		0.000433	0.00116	1	04/15/2018 14:21	WG1098127
Chloroethane	U		0.00110	0.00581	1	04/15/2018 14:21	WG1098127
Chloroform	U		0.000266	0.00581	1	04/15/2018 14:21	WG1098127
Chloromethane	U		0.000436	0.00290	1	04/15/2018 14:21	WG1098127
2-Chlorotoluene	U		0.000350	0.00116	1	04/15/2018 14:21	WG1098127
4-Chlorotoluene	U		0.000279	0.00116	1	04/15/2018 14:21	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	04/15/2018 14:21	WG1098127
1,2-Dibromoethane	U		0.000398	0.00116	1	04/15/2018 14:21	WG1098127
Dibromomethane	U		0.000444	0.00116	1	04/15/2018 14:21	WG1098127
1,2-Dichlorobenzene	U		0.000354	0.00116	1	04/15/2018 14:21	WG1098127
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/15/2018 14:21	WG1098127
1,4-Dichlorobenzene	U		0.000263	0.00116	1	04/15/2018 14:21	WG1098127
Dichlorodifluoromethane	U		0.000828	0.00581	1	04/15/2018 14:21	WG1098127
1,1-Dichloroethane	U		0.000231	0.00116	1	04/15/2018 14:21	WG1098127
1,2-Dichloroethane	U		0.000308	0.00116	1	04/15/2018 14:21	WG1098127
1,1-Dichloroethene	U		0.000352	0.00116	1	04/15/2018 14:21	WG1098127
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	04/15/2018 14:21	WG1098127
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	04/15/2018 14:21	WG1098127
1,2-Dichloropropane	U		0.000416	0.00116	1	04/15/2018 14:21	WG1098127
1,1-Dichloropropene	U		0.000368	0.00116	1	04/15/2018 14:21	WG1098127
1,3-Dichloropropane	U		0.000240	0.00116	1	04/15/2018 14:21	WG1098127
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/15/2018 14:21	WG1098127
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	04/15/2018 14:21	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000904	0.00290	1	04/15/2018 14:21	WG1098127
2,2-Dichloropropane	U		0.000324	0.00116	1	04/15/2018 14:21	WG1098127
Di-isopropyl ether	U		0.000288	0.00116	1	04/15/2018 14:21	WG1098127
Ethylbenzene	U		0.000345	0.00116	1	04/15/2018 14:21	WG1098127
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	04/15/2018 14:21	WG1098127
2-Hexanone	U		0.00159	0.0116	1	04/15/2018 14:21	WG1098127
n-Hexane	U		0.000337	0.0116	1	04/15/2018 14:21	WG1098127
Iodomethane	U		0.00294	0.0116	1	04/15/2018 14:21	WG1098127
Isopropylbenzene	U		0.000282	0.00116	1	04/15/2018 14:21	WG1098127
p-Isopropyltoluene	0.000329	J	0.000237	0.00116	1	04/15/2018 14:21	WG1098127
2-Butanone (MEK)	U		0.00544	0.0116	1	04/15/2018 14:21	WG1098127
Methylene Chloride	U		0.00116	0.00581	1	04/15/2018 14:21	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/15/2018 14:21	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/15/2018 14:21	WG1098127
Naphthalene	U		0.00116	0.00581	1	04/15/2018 14:21	WG1098127
n-Propylbenzene	U		0.000239	0.00116	1	04/15/2018 14:21	WG1098127
Styrene	U		0.000272	0.00116	1	04/15/2018 14:21	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/15/2018 14:21	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	04/15/2018 14:21	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	04/15/2018 14:21	WG1098127
Tetrachloroethene	U		0.000321	0.00116	1	04/15/2018 14:21	WG1098127
Toluene	U		0.000504	0.00581	1	04/15/2018 14:21	WG1098127
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/15/2018 14:21	WG1098127
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	04/15/2018 14:21	WG1098127
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/15/2018 14:21	WG1098127
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/15/2018 14:21	WG1098127
Trichloroethene	U		0.000324	0.00116	1	04/15/2018 14:21	WG1098127
Trichlorofluoromethane	U		0.000444	0.00581	1	04/15/2018 14:21	WG1098127
1,2,3-Trichloropropane	U		0.000861	0.00290	1	04/15/2018 14:21	WG1098127
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/15/2018 14:21	WG1098127
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/15/2018 14:21	WG1098127
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	04/15/2018 14:21	WG1098127
Vinyl acetate	U		0.00278	0.0116	1	04/15/2018 14:21	WG1098127
Vinyl chloride	U		0.000338	0.00116	1	04/15/2018 14:21	WG1098127
Xylenes, Total	U		0.000811	0.00348	1	04/15/2018 14:21	WG1098127
(S) Toluene-d8	*104*			*80.0-120*		*04/15/2018 14:21*	WG1098127
(S) Dibromofluoromethane	*96.2*			*74.0-131*		*04/15/2018 14:21*	WG1098127
(S) 4-Bromofluorobenzene	*94.9*			*64.0-132*		*04/15/2018 14:21*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0114	0.0569	1	04/15/2018 14:42	WG1098127
Acrylonitrile	U		0.00204	0.0114	1	04/15/2018 14:42	WG1098127
Benzene	U		0.000307	0.00114	1	04/15/2018 14:42	WG1098127
Bromobenzene	U		0.000323	0.00114	1	04/15/2018 14:42	WG1098127
Bromodichloromethane	U		0.000289	0.00114	1	04/15/2018 14:42	WG1098127
Bromochloromethane	U		0.000444	0.00569	1	04/15/2018 14:42	WG1098127
Bromoform	U		0.000483	0.00114	1	04/15/2018 14:42	WG1098127
Bromomethane	U		0.00153	0.00569	1	04/15/2018 14:42	WG1098127
n-Butylbenzene	U		0.000294	0.00114	1	04/15/2018 14:42	WG1098127
sec-Butylbenzene	U		0.000229	0.00114	1	04/15/2018 14:42	WG1098127
tert-Butylbenzene	U		0.000235	0.00114	1	04/15/2018 14:42	WG1098127
Carbon disulfide	U		0.000252	0.00114	1	04/15/2018 14:42	WG1098127
Carbon tetrachloride	U		0.000373	0.00114	1	04/15/2018 14:42	WG1098127
Chlorobenzene	U		0.000241	0.00114	1	04/15/2018 14:42	WG1098127
Chlorodibromomethane	U		0.000425	0.00114	1	04/15/2018 14:42	WG1098127
Chloroethane	U		0.00108	0.00569	1	04/15/2018 14:42	WG1098127
Chloroform	U		0.000261	0.00569	1	04/15/2018 14:42	WG1098127
Chloromethane	U		0.000427	0.00285	1	04/15/2018 14:42	WG1098127
2-Chlorotoluene	U		0.000343	0.00114	1	04/15/2018 14:42	WG1098127
4-Chlorotoluene	U		0.000273	0.00114	1	04/15/2018 14:42	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00569	1	04/15/2018 14:42	WG1098127
1,2-Dibromoethane	U		0.000391	0.00114	1	04/15/2018 14:42	WG1098127
Dibromomethane	U		0.000435	0.00114	1	04/15/2018 14:42	WG1098127
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/15/2018 14:42	WG1098127
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/15/2018 14:42	WG1098127
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/15/2018 14:42	WG1098127
Dichlorodifluoromethane	U		0.000812	0.00569	1	04/15/2018 14:42	WG1098127
1,1-Dichloroethane	U		0.000227	0.00114	1	04/15/2018 14:42	WG1098127
1,2-Dichloroethane	U		0.000302	0.00114	1	04/15/2018 14:42	WG1098127
1,1-Dichloroethene	U		0.000345	0.00114	1	04/15/2018 14:42	WG1098127
cis-1,2-Dichloroethene	0.000547	J	0.000268	0.00114	1	04/15/2018 14:42	WG1098127
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	04/15/2018 14:42	WG1098127
1,2-Dichloropropane	U		0.000408	0.00114	1	04/15/2018 14:42	WG1098127
1,1-Dichloropropene	U		0.000361	0.00114	1	04/15/2018 14:42	WG1098127
1,3-Dichloropropane	U		0.000236	0.00114	1	04/15/2018 14:42	WG1098127
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/15/2018 14:42	WG1098127
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	04/15/2018 14:42	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	04/15/2018 14:42	WG1098127
2,2-Dichloropropane	U		0.000318	0.00114	1	04/15/2018 14:42	WG1098127
Di-isopropyl ether	U		0.000282	0.00114	1	04/15/2018 14:42	WG1098127
Ethylbenzene	U		0.000338	0.00114	1	04/15/2018 14:42	WG1098127
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	04/15/2018 14:42	WG1098127
2-Hexanone	U		0.00156	0.0114	1	04/15/2018 14:42	WG1098127
n-Hexane	U		0.000330	0.0114	1	04/15/2018 14:42	WG1098127
Iodomethane	U		0.00288	0.0114	1	04/15/2018 14:42	WG1098127
Isopropylbenzene	U		0.000277	0.00114	1	04/15/2018 14:42	WG1098127
p-Isopropyltoluene	U		0.000232	0.00114	1	04/15/2018 14:42	WG1098127
2-Butanone (MEK)	U		0.00533	0.0114	1	04/15/2018 14:42	WG1098127
Methylene Chloride	U		0.00114	0.00569	1	04/15/2018 14:42	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/15/2018 14:42	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/15/2018 14:42	WG1098127
Naphthalene	U		0.00114	0.00569	1	04/15/2018 14:42	WG1098127
n-Propylbenzene	U		0.000235	0.00114	1	04/15/2018 14:42	WG1098127
Styrene	U		0.000266	0.00114	1	04/15/2018 14:42	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	04/15/2018 14:42	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	04/15/2018 14:42	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	04/15/2018 14:42	WG1098127
Tetrachloroethene	U		0.000314	0.00114	1	04/15/2018 14:42	WG1098127
Toluene	U		0.000494	0.00569	1	04/15/2018 14:42	WG1098127
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/15/2018 14:42	WG1098127
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	04/15/2018 14:42	WG1098127
1,1,1-Trichloroethane	U		0.000326	0.00114	1	04/15/2018 14:42	WG1098127
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/15/2018 14:42	WG1098127
Trichloroethene	U		0.000318	0.00114	1	04/15/2018 14:42	WG1098127
Trichlorofluoromethane	U		0.000435	0.00569	1	04/15/2018 14:42	WG1098127
1,2,3-Trichloropropane	U		0.000844	0.00285	1	04/15/2018 14:42	WG1098127
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/15/2018 14:42	WG1098127
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	04/15/2018 14:42	WG1098127
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	04/15/2018 14:42	WG1098127
Vinyl acetate	U		0.00272	0.0114	1	04/15/2018 14:42	WG1098127
Vinyl chloride	0.000928	J	0.000331	0.00114	1	04/15/2018 14:42	WG1098127
Xylenes, Total	U		0.000795	0.00342	1	04/15/2018 14:42	WG1098127
(S) Toluene-d8	*101*			*80.0-120*		*04/15/2018 14:42*	WG1098127
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*04/15/2018 14:42*	WG1098127
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/15/2018 14:42*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0119	0.0596	1	04/15/2018 15:04	WG1098127
Acrylonitrile	U		0.00214	0.0119	1	04/15/2018 15:04	WG1098127
Benzene	U		0.000322	0.00119	1	04/15/2018 15:04	WG1098127
Bromobenzene	U		0.000339	0.00119	1	04/15/2018 15:04	WG1098127
Bromodichloromethane	U		0.000303	0.00119	1	04/15/2018 15:04	WG1098127
Bromochloromethane	U		0.000465	0.00596	1	04/15/2018 15:04	WG1098127
Bromoform	U		0.000506	0.00119	1	04/15/2018 15:04	WG1098127
Bromomethane	U		0.00160	0.00596	1	04/15/2018 15:04	WG1098127
n-Butylbenzene	U		0.000308	0.00119	1	04/15/2018 15:04	WG1098127
sec-Butylbenzene	U		0.000240	0.00119	1	04/15/2018 15:04	WG1098127
tert-Butylbenzene	U		0.000246	0.00119	1	04/15/2018 15:04	WG1098127
Carbon disulfide	U		0.000264	0.00119	1	04/15/2018 15:04	WG1098127
Carbon tetrachloride	U		0.000391	0.00119	1	04/15/2018 15:04	WG1098127
Chlorobenzene	U		0.000253	0.00119	1	04/15/2018 15:04	WG1098127
Chlorodibromomethane	U		0.000445	0.00119	1	04/15/2018 15:04	WG1098127
Chloroethane	U		0.00113	0.00596	1	04/15/2018 15:04	WG1098127
Chloroform	U		0.000273	0.00596	1	04/15/2018 15:04	WG1098127
Chloromethane	U		0.000447	0.00298	1	04/15/2018 15:04	WG1098127
2-Chlorotoluene	U		0.000359	0.00119	1	04/15/2018 15:04	WG1098127
4-Chlorotoluene	U		0.000286	0.00119	1	04/15/2018 15:04	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	04/15/2018 15:04	WG1098127
1,2-Dibromoethane	U		0.000409	0.00119	1	04/15/2018 15:04	WG1098127
Dibromomethane	U		0.000456	0.00119	1	04/15/2018 15:04	WG1098127
1,2-Dichlorobenzene	U		0.000364	0.00119	1	04/15/2018 15:04	WG1098127
1,3-Dichlorobenzene	U		0.000285	0.00119	1	04/15/2018 15:04	WG1098127
1,4-Dichlorobenzene	U		0.000270	0.00119	1	04/15/2018 15:04	WG1098127
Dichlorodifluoromethane	U		0.000850	0.00596	1	04/15/2018 15:04	WG1098127
1,1-Dichloroethane	U		0.000237	0.00119	1	04/15/2018 15:04	WG1098127
1,2-Dichloroethane	U		0.000316	0.00119	1	04/15/2018 15:04	WG1098127
1,1-Dichloroethene	U		0.000361	0.00119	1	04/15/2018 15:04	WG1098127
cis-1,2-Dichloroethene	0.00203		0.000280	0.00119	1	04/15/2018 15:04	WG1098127
trans-1,2-Dichloroethene	U		0.000315	0.00119	1	04/15/2018 15:04	WG1098127
1,2-Dichloropropane	U		0.000427	0.00119	1	04/15/2018 15:04	WG1098127
1,1-Dichloropropene	U		0.000378	0.00119	1	04/15/2018 15:04	WG1098127
1,3-Dichloropropane	U		0.000247	0.00119	1	04/15/2018 15:04	WG1098127
cis-1,3-Dichloropropene	U		0.000313	0.00119	1	04/15/2018 15:04	WG1098127
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	04/15/2018 15:04	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000928	0.00298	1	04/15/2018 15:04	WG1098127
2,2-Dichloropropane	U		0.000333	0.00119	1	04/15/2018 15:04	WG1098127
Di-isopropyl ether	U		0.000296	0.00119	1	04/15/2018 15:04	WG1098127
Ethylbenzene	U		0.000354	0.00119	1	04/15/2018 15:04	WG1098127
Hexachloro-1,3-butadiene	U		0.000408	0.00119	1	04/15/2018 15:04	WG1098127
2-Hexanone	U		0.00163	0.0119	1	04/15/2018 15:04	WG1098127
n-Hexane	0.00257	J	0.000346	0.0119	1	04/15/2018 15:04	WG1098127
Iodomethane	U		0.00302	0.0119	1	04/15/2018 15:04	WG1098127
Isopropylbenzene	U		0.000290	0.00119	1	04/15/2018 15:04	WG1098127
p-Isopropyltoluene	U		0.000243	0.00119	1	04/15/2018 15:04	WG1098127
2-Butanone (MEK)	U		0.00558	0.0119	1	04/15/2018 15:04	WG1098127
Methylene Chloride	U		0.00119	0.00596	1	04/15/2018 15:04	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	04/15/2018 15:04	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000253	0.00119	1	04/15/2018 15:04	WG1098127
Naphthalene	U		0.00119	0.00596	1	04/15/2018 15:04	WG1098127
n-Propylbenzene	U		0.000246	0.00119	1	04/15/2018 15:04	WG1098127
Styrene	U		0.000279	0.00119	1	04/15/2018 15:04	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	04/15/2018 15:04	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	04/15/2018 15:04	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	04/15/2018 15:04	WG1098127
Tetrachloroethene	U		0.000329	0.00119	1	04/15/2018 15:04	WG1098127
Toluene	U		0.000518	0.00596	1	04/15/2018 15:04	WG1098127
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	04/15/2018 15:04	WG1098127
1,2,4-Trichlorobenzene	U		0.000463	0.00119	1	04/15/2018 15:04	WG1098127
1,1,1-Trichloroethane	U		0.000341	0.00119	1	04/15/2018 15:04	WG1098127
1,1,2-Trichloroethane	U		0.000330	0.00119	1	04/15/2018 15:04	WG1098127
Trichloroethene	U		0.000333	0.00119	1	04/15/2018 15:04	WG1098127
Trichlorofluoromethane	U		0.000456	0.00596	1	04/15/2018 15:04	WG1098127
1,2,3-Trichloropropane	U		0.000884	0.00298	1	04/15/2018 15:04	WG1098127
1,2,4-Trimethylbenzene	U		0.000252	0.00119	1	04/15/2018 15:04	WG1098127
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	04/15/2018 15:04	WG1098127
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	04/15/2018 15:04	WG1098127
Vinyl acetate	U		0.00285	0.0119	1	04/15/2018 15:04	WG1098127
Vinyl chloride	0.000521	J	0.000347	0.00119	1	04/15/2018 15:04	WG1098127
Xylenes, Total	U		0.000833	0.00358	1	04/15/2018 15:04	WG1098127
(S) Toluene-d8	*103*			*80.0-120*		*04/15/2018 15:04*	WG1098127
(S) Dibromofluoromethane	*97.1*			*74.0-131*		*04/15/2018 15:04*	WG1098127
(S) 4-Bromofluorobenzene	*95.7*			*64.0-132*		*04/15/2018 15:04*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0115	0.0573	1	04/15/2018 15:47	WG1098127
Acrylonitrile	U		0.00205	0.0115	1	04/15/2018 15:47	WG1098127
Benzene	U		0.000309	0.00115	1	04/15/2018 15:47	WG1098127
Bromobenzene	U		0.000325	0.00115	1	04/15/2018 15:47	WG1098127
Bromodichloromethane	U		0.000291	0.00115	1	04/15/2018 15:47	WG1098127
Bromochloromethane	U		0.000447	0.00573	1	04/15/2018 15:47	WG1098127
Bromoform	U		0.000486	0.00115	1	04/15/2018 15:47	WG1098127
Bromomethane	U		0.00153	0.00573	1	04/15/2018 15:47	WG1098127
n-Butylbenzene	U		0.000295	0.00115	1	04/15/2018 15:47	WG1098127
sec-Butylbenzene	U		0.000230	0.00115	1	04/15/2018 15:47	WG1098127
tert-Butylbenzene	U		0.000236	0.00115	1	04/15/2018 15:47	WG1098127
Carbon disulfide	U		0.000253	0.00115	1	04/15/2018 15:47	WG1098127
Carbon tetrachloride	U		0.000376	0.00115	1	04/15/2018 15:47	WG1098127
Chlorobenzene	U		0.000243	0.00115	1	04/15/2018 15:47	WG1098127
Chlorodibromomethane	U		0.000427	0.00115	1	04/15/2018 15:47	WG1098127
Chloroethane	U		0.00108	0.00573	1	04/15/2018 15:47	WG1098127
Chloroform	U		0.000262	0.00573	1	04/15/2018 15:47	WG1098127
Chloromethane	U		0.000429	0.00286	1	04/15/2018 15:47	WG1098127
2-Chlorotoluene	U		0.000345	0.00115	1	04/15/2018 15:47	WG1098127
4-Chlorotoluene	U		0.000275	0.00115	1	04/15/2018 15:47	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	04/15/2018 15:47	WG1098127
1,2-Dibromoethane	U		0.000393	0.00115	1	04/15/2018 15:47	WG1098127
Dibromomethane	U		0.000438	0.00115	1	04/15/2018 15:47	WG1098127
1,2-Dichlorobenzene	U		0.000349	0.00115	1	04/15/2018 15:47	WG1098127
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/15/2018 15:47	WG1098127
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/15/2018 15:47	WG1098127
Dichlorodifluoromethane	U		0.000817	0.00573	1	04/15/2018 15:47	WG1098127
1,1-Dichloroethane	U		0.000228	0.00115	1	04/15/2018 15:47	WG1098127
1,2-Dichloroethane	U		0.000304	0.00115	1	04/15/2018 15:47	WG1098127
1,1-Dichloroethene	0.000867	J	0.000347	0.00115	1	04/15/2018 15:47	WG1098127
cis-1,2-Dichloroethene	0.207		0.00673	0.0286	25	04/17/2018 14:55	WG1098127
trans-1,2-Dichloroethene	0.00117		0.000302	0.00115	1	04/15/2018 15:47	WG1098127
1,2-Dichloropropane	U		0.000410	0.00115	1	04/15/2018 15:47	WG1098127
1,1-Dichloropropene	U		0.000363	0.00115	1	04/15/2018 15:47	WG1098127
1,3-Dichloropropane	U		0.000237	0.00115	1	04/15/2018 15:47	WG1098127
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	04/15/2018 15:47	WG1098127
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/15/2018 15:47	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	04/15/2018 15:47	WG1098127
2,2-Dichloropropane	U		0.000320	0.00115	1	04/15/2018 15:47	WG1098127
Di-isopropyl ether	U		0.000284	0.00115	1	04/15/2018 15:47	WG1098127
Ethylbenzene	U		0.000340	0.00115	1	04/15/2018 15:47	WG1098127
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/15/2018 15:47	WG1098127
2-Hexanone	U		0.00157	0.0115	1	04/15/2018 15:47	WG1098127
n-Hexane	0.000594	J	0.000332	0.0115	1	04/15/2018 15:47	WG1098127
Iodomethane	U		0.00290	0.0115	1	04/15/2018 15:47	WG1098127
Isopropylbenzene	U		0.000278	0.00115	1	04/15/2018 15:47	WG1098127
p-Isopropyltoluene	U		0.000234	0.00115	1	04/15/2018 15:47	WG1098127
2-Butanone (MEK)	U		0.00536	0.0115	1	04/15/2018 15:47	WG1098127
Methylene Chloride	U		0.00115	0.00573	1	04/15/2018 15:47	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	04/15/2018 15:47	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/15/2018 15:47	WG1098127
Naphthalene	U		0.00115	0.00573	1	04/15/2018 15:47	WG1098127
n-Propylbenzene	U		0.000236	0.00115	1	04/15/2018 15:47	WG1098127
Styrene	U		0.000268	0.00115	1	04/15/2018 15:47	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	04/15/2018 15:47	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	04/15/2018 15:47	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	04/15/2018 15:47	WG1098127
Tetrachloroethene	0.00589		0.000316	0.00115	1	04/15/2018 15:47	WG1098127
Toluene	U		0.000497	0.00573	1	04/15/2018 15:47	WG1098127
1,2,3-Trichlorobenzene	U		0.000350	0.00115	1	04/15/2018 15:47	WG1098127
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	04/15/2018 15:47	WG1098127
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/15/2018 15:47	WG1098127
1,1,2-Trichloroethane	U		0.000317	0.00115	1	04/15/2018 15:47	WG1098127
Trichloroethene	0.00729		0.000320	0.00115	1	04/15/2018 15:47	WG1098127
Trichlorofluoromethane	U		0.000438	0.00573	1	04/15/2018 15:47	WG1098127
1,2,3-Trichloropropane	U		0.000849	0.00286	1	04/15/2018 15:47	WG1098127
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/15/2018 15:47	WG1098127
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/15/2018 15:47	WG1098127
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/15/2018 15:47	WG1098127
Vinyl acetate	U		0.00274	0.0115	1	04/15/2018 15:47	WG1098127
Vinyl chloride	0.0227		0.000333	0.00115	1	04/15/2018 15:47	WG1098127
Xylenes, Total	U		0.000799	0.00344	1	04/15/2018 15:47	WG1098127
(S) Toluene-d8	*112*			*80.0-120*		*04/17/2018 14:55*	WG1098127
(S) Toluene-d8	*102*			*80.0-120*		*04/15/2018 15:47*	WG1098127
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/17/2018 14:55*	WG1098127
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/15/2018 15:47*	WG1098127
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/15/2018 15:47*	WG1098127
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*04/17/2018 14:55*	WG1098127

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0111	0.0556	1	04/15/2018 16:08	WG1098553
Acrylonitrile	U		0.00199	0.0111	1	04/15/2018 16:08	WG1098553
Benzene	U		0.000300	0.00111	1	04/15/2018 16:08	WG1098553
Bromobenzene	U		0.000316	0.00111	1	04/15/2018 16:08	WG1098553
Bromodichloromethane	U		0.000282	0.00111	1	04/15/2018 16:08	WG1098553
Bromochloromethane	U		0.000433	0.00556	1	04/15/2018 16:08	WG1098553
Bromoform	U		0.000471	0.00111	1	04/15/2018 16:08	WG1098553
Bromomethane	U		0.00149	0.00556	1	04/15/2018 16:08	WG1098553
n-Butylbenzene	U		0.000287	0.00111	1	04/15/2018 16:08	WG1098553
sec-Butylbenzene	U		0.000223	0.00111	1	04/15/2018 16:08	WG1098553
tert-Butylbenzene	U		0.000229	0.00111	1	04/15/2018 16:08	WG1098553
Carbon disulfide	0.000323	J	0.000246	0.00111	1	04/15/2018 16:08	WG1098553
Carbon tetrachloride	U		0.000365	0.00111	1	04/15/2018 16:08	WG1098553
Chlorobenzene	U		0.000236	0.00111	1	04/15/2018 16:08	WG1098553
Chlorodibromomethane	U		0.000415	0.00111	1	04/15/2018 16:08	WG1098553
Chloroethane	U		0.00105	0.00556	1	04/15/2018 16:08	WG1098553
Chloroform	U		0.000255	0.00556	1	04/15/2018 16:08	WG1098553
Chloromethane	U		0.000417	0.00278	1	04/15/2018 16:08	WG1098553
2-Chlorotoluene	U		0.000335	0.00111	1	04/15/2018 16:08	WG1098553
4-Chlorotoluene	U		0.000267	0.00111	1	04/15/2018 16:08	WG1098553
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	04/15/2018 16:08	WG1098553
1,2-Dibromoethane	U		0.000381	0.00111	1	04/15/2018 16:08	WG1098553
Dibromomethane	U		0.000425	0.00111	1	04/15/2018 16:08	WG1098553
1,2-Dichlorobenzene	U		0.000339	0.00111	1	04/15/2018 16:08	WG1098553
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/15/2018 16:08	WG1098553
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/15/2018 16:08	WG1098553
Dichlorodifluoromethane	U		0.000792	0.00556	1	04/15/2018 16:08	WG1098553
1,1-Dichloroethane	U		0.000221	0.00111	1	04/15/2018 16:08	WG1098553
1,2-Dichloroethane	U		0.000295	0.00111	1	04/15/2018 16:08	WG1098553
1,1-Dichloroethene	U		0.000337	0.00111	1	04/15/2018 16:08	WG1098553
cis-1,2-Dichloroethene	0.00285		0.000261	0.00111	1	04/15/2018 16:08	WG1098553
trans-1,2-Dichloroethene	0.00136		0.000293	0.00111	1	04/15/2018 16:08	WG1098553
1,2-Dichloropropane	U		0.000398	0.00111	1	04/15/2018 16:08	WG1098553
1,1-Dichloropropene	U		0.000352	0.00111	1	04/15/2018 16:08	WG1098553
1,3-Dichloropropane	U		0.000230	0.00111	1	04/15/2018 16:08	WG1098553
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/15/2018 16:08	WG1098553
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/15/2018 16:08	WG1098553
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	04/15/2018 16:08	WG1098553
2,2-Dichloropropane	U		0.000310	0.00111	1	04/15/2018 16:08	WG1098553
Di-isopropyl ether	U		0.000276	0.00111	1	04/15/2018 16:08	WG1098553
Ethylbenzene	U		0.000330	0.00111	1	04/15/2018 16:08	WG1098553
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	04/15/2018 16:08	WG1098553
2-Hexanone	U		0.00152	0.0111	1	04/15/2018 16:08	WG1098553
n-Hexane	U		0.000322	0.0111	1	04/15/2018 16:08	WG1098553
Iodomethane	U		0.00281	0.0111	1	04/15/2018 16:08	WG1098553
Isopropylbenzene	U		0.000270	0.00111	1	04/15/2018 16:08	WG1098553
p-Isopropyltoluene	U		0.000227	0.00111	1	04/15/2018 16:08	WG1098553
2-Butanone (MEK)	U		0.00520	0.0111	1	04/15/2018 16:08	WG1098553
Methylene Chloride	U		0.00111	0.00556	1	04/15/2018 16:08	WG1098553
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/15/2018 16:08	WG1098553

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/15/2018 16:08	WG1098553
Naphthalene	U		0.00111	0.00556	1	04/15/2018 16:08	WG1098553
n-Propylbenzene	U		0.000229	0.00111	1	04/15/2018 16:08	WG1098553
Styrene	U		0.000260	0.00111	1	04/15/2018 16:08	WG1098553
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/15/2018 16:08	WG1098553
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/15/2018 16:08	WG1098553
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/15/2018 16:08	WG1098553
Tetrachloroethene	0.00270		0.000307	0.00111	1	04/15/2018 16:08	WG1098553
Toluene	U		0.000482	0.00556	1	04/15/2018 16:08	WG1098553
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	04/15/2018 16:08	WG1098553
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	04/15/2018 16:08	WG1098553
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/15/2018 16:08	WG1098553
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/15/2018 16:08	WG1098553
Trichloroethene	0.000443	J	0.000310	0.00111	1	04/15/2018 16:08	WG1098553
Trichlorofluoromethane	U		0.000425	0.00556	1	04/15/2018 16:08	WG1098553
1,2,3-Trichloropropane	U		0.000824	0.00278	1	04/15/2018 16:08	WG1098553
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/15/2018 16:08	WG1098553
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	04/15/2018 16:08	WG1098553
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/15/2018 16:08	WG1098553
Vinyl acetate	U		0.00266	0.0111	1	04/15/2018 16:08	WG1098553
Vinyl chloride	0.656		0.00809	0.0278	25	04/17/2018 13:28	WG1098553
Xylenes, Total	U		0.000776	0.00333	1	04/15/2018 16:08	WG1098553
(S) Toluene-d8	*113*			*80.0-120*		*04/17/2018 13:28*	WG1098553
(S) Toluene-d8	*102*			*80.0-120*		*04/15/2018 16:08*	WG1098553
(S) Dibromofluoromethane	*99.3*			*74.0-131*		*04/15/2018 16:08*	WG1098553
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*04/17/2018 13:28*	WG1098553
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*		*04/15/2018 16:08*	WG1098553
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*04/17/2018 13:28*	WG1098553

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0550	1	04/15/2018 16:29	WG1098553
Acrylonitrile	U		0.00197	0.0110	1	04/15/2018 16:29	WG1098553
Benzene	U		0.000297	0.00110	1	04/15/2018 16:29	WG1098553
Bromobenzene	U		0.000312	0.00110	1	04/15/2018 16:29	WG1098553
Bromodichloromethane	U		0.000279	0.00110	1	04/15/2018 16:29	WG1098553
Bromochloromethane	U		0.000429	0.00550	1	04/15/2018 16:29	WG1098553
Bromoform	U		0.000466	0.00110	1	04/15/2018 16:29	WG1098553
Bromomethane	U		0.00147	0.00550	1	04/15/2018 16:29	WG1098553
n-Butylbenzene	U		0.000284	0.00110	1	04/15/2018 16:29	WG1098553
sec-Butylbenzene	U		0.000221	0.00110	1	04/15/2018 16:29	WG1098553
tert-Butylbenzene	U		0.000227	0.00110	1	04/15/2018 16:29	WG1098553
Carbon disulfide	0.000487	J	0.000243	0.00110	1	04/15/2018 16:29	WG1098553
Carbon tetrachloride	U		0.000361	0.00110	1	04/15/2018 16:29	WG1098553
Chlorobenzene	U		0.000233	0.00110	1	04/15/2018 16:29	WG1098553
Chlorodibromomethane	U		0.000410	0.00110	1	04/15/2018 16:29	WG1098553
Chloroethane	U		0.00104	0.00550	1	04/15/2018 16:29	WG1098553
Chloroform	U		0.000252	0.00550	1	04/15/2018 16:29	WG1098553
Chloromethane	U		0.000413	0.00275	1	04/15/2018 16:29	WG1098553
2-Chlorotoluene	U		0.000331	0.00110	1	04/15/2018 16:29	WG1098553
4-Chlorotoluene	U		0.000264	0.00110	1	04/15/2018 16:29	WG1098553
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00550	1	04/15/2018 16:29	WG1098553
1,2-Dibromoethane	U		0.000377	0.00110	1	04/15/2018 16:29	WG1098553
Dibromomethane	U		0.000420	0.00110	1	04/15/2018 16:29	WG1098553
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/15/2018 16:29	WG1098553
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/15/2018 16:29	WG1098553
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/15/2018 16:29	WG1098553
Dichlorodifluoromethane	U		0.000784	0.00550	1	04/15/2018 16:29	WG1098553
1,1-Dichloroethane	U		0.000219	0.00110	1	04/15/2018 16:29	WG1098553
1,2-Dichloroethane	U		0.000292	0.00110	1	04/15/2018 16:29	WG1098553
1,1-Dichloroethene	U		0.000333	0.00110	1	04/15/2018 16:29	WG1098553
cis-1,2-Dichloroethene	0.0182		0.000259	0.00110	1	04/15/2018 16:29	WG1098553
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	04/15/2018 16:29	WG1098553
1,2-Dichloropropane	U		0.000394	0.00110	1	04/15/2018 16:29	WG1098553
1,1-Dichloropropene	U		0.000349	0.00110	1	04/15/2018 16:29	WG1098553
1,3-Dichloropropane	U		0.000228	0.00110	1	04/15/2018 16:29	WG1098553
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/15/2018 16:29	WG1098553
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/15/2018 16:29	WG1098553
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	04/15/2018 16:29	WG1098553
2,2-Dichloropropane	U		0.000307	0.00110	1	04/15/2018 16:29	WG1098553
Di-isopropyl ether	U		0.000273	0.00110	1	04/15/2018 16:29	WG1098553
Ethylbenzene	U		0.000327	0.00110	1	04/15/2018 16:29	WG1098553
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	04/15/2018 16:29	WG1098553
2-Hexanone	U		0.00151	0.0110	1	04/15/2018 16:29	WG1098553
n-Hexane	U		0.000319	0.0110	1	04/15/2018 16:29	WG1098553
Iodomethane	U		0.00278	0.0110	1	04/15/2018 16:29	WG1098553
Isopropylbenzene	U		0.000267	0.00110	1	04/15/2018 16:29	WG1098553
p-Isopropyltoluene	U		0.000224	0.00110	1	04/15/2018 16:29	WG1098553
2-Butanone (MEK)	U		0.00515	0.0110	1	04/15/2018 16:29	WG1098553
Methylene Chloride	U		0.00110	0.00550	1	04/15/2018 16:29	WG1098553
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/15/2018 16:29	WG1098553

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/15/2018 16:29	WG1098553
Naphthalene	U		0.00110	0.00550	1	04/15/2018 16:29	WG1098553
n-Propylbenzene	U		0.000227	0.00110	1	04/15/2018 16:29	WG1098553
Styrene	U		0.000257	0.00110	1	04/15/2018 16:29	WG1098553
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/15/2018 16:29	WG1098553
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/15/2018 16:29	WG1098553
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/15/2018 16:29	WG1098553
Tetrachloroethene	0.00164		0.000304	0.00110	1	04/15/2018 16:29	WG1098553
Toluene	U		0.000477	0.00550	1	04/15/2018 16:29	WG1098553
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/15/2018 16:29	WG1098553
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/15/2018 16:29	WG1098553
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/15/2018 16:29	WG1098553
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/15/2018 16:29	WG1098553
Trichloroethene	0.00106	J	0.000307	0.00110	1	04/15/2018 16:29	WG1098553
Trichlorofluoromethane	U		0.000420	0.00550	1	04/15/2018 16:29	WG1098553
1,2,3-Trichloropropane	U		0.000815	0.00275	1	04/15/2018 16:29	WG1098553
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/15/2018 16:29	WG1098553
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/15/2018 16:29	WG1098553
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/15/2018 16:29	WG1098553
Vinyl acetate	U		0.00263	0.0110	1	04/15/2018 16:29	WG1098553
Vinyl chloride	0.0137		0.000320	0.00110	1	04/15/2018 16:29	WG1098553
Xylenes, Total	U		0.000768	0.00330	1	04/15/2018 16:29	WG1098553
(S) Toluene-d8	*104*			*80.0-120*		*04/15/2018 16:29*	WG1098553
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*04/15/2018 16:29*	WG1098553
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*04/15/2018 16:29*	WG1098553

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0114	0.0568	1	04/15/2018 16:50	WG1098553
Acrylonitrile	U		0.00203	0.0114	1	04/15/2018 16:50	WG1098553
Benzene	U		0.000307	0.00114	1	04/15/2018 16:50	WG1098553
Bromobenzene	U		0.000323	0.00114	1	04/15/2018 16:50	WG1098553
Bromodichloromethane	U		0.000289	0.00114	1	04/15/2018 16:50	WG1098553
Bromochloromethane	U		0.000443	0.00568	1	04/15/2018 16:50	WG1098553
Bromoform	U		0.000482	0.00114	1	04/15/2018 16:50	WG1098553
Bromomethane	U		0.00152	0.00568	1	04/15/2018 16:50	WG1098553
n-Butylbenzene	U		0.000293	0.00114	1	04/15/2018 16:50	WG1098553
sec-Butylbenzene	U		0.000228	0.00114	1	04/15/2018 16:50	WG1098553
tert-Butylbenzene	U		0.000234	0.00114	1	04/15/2018 16:50	WG1098553
Carbon disulfide	0.000283	J	0.000251	0.00114	1	04/15/2018 16:50	WG1098553
Carbon tetrachloride	U		0.000373	0.00114	1	04/15/2018 16:50	WG1098553
Chlorobenzene	U		0.000241	0.00114	1	04/15/2018 16:50	WG1098553
Chlorodibromomethane	U		0.000424	0.00114	1	04/15/2018 16:50	WG1098553
Chloroethane	U		0.00107	0.00568	1	04/15/2018 16:50	WG1098553
Chloroform	U		0.000260	0.00568	1	04/15/2018 16:50	WG1098553
Chloromethane	U		0.000426	0.00284	1	04/15/2018 16:50	WG1098553
2-Chlorotoluene	U		0.000342	0.00114	1	04/15/2018 16:50	WG1098553
4-Chlorotoluene	U		0.000273	0.00114	1	04/15/2018 16:50	WG1098553
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	04/15/2018 16:50	WG1098553
1,2-Dibromoethane	U		0.000390	0.00114	1	04/15/2018 16:50	WG1098553
Dibromomethane	U		0.000434	0.00114	1	04/15/2018 16:50	WG1098553
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/15/2018 16:50	WG1098553
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/15/2018 16:50	WG1098553
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/15/2018 16:50	WG1098553
Dichlorodifluoromethane	U		0.000810	0.00568	1	04/15/2018 16:50	WG1098553
1,1-Dichloroethane	U		0.000226	0.00114	1	04/15/2018 16:50	WG1098553
1,2-Dichloroethane	U		0.000301	0.00114	1	04/15/2018 16:50	WG1098553
1,1-Dichloroethene	U		0.000344	0.00114	1	04/15/2018 16:50	WG1098553
cis-1,2-Dichloroethene	0.00361		0.000267	0.00114	1	04/15/2018 16:50	WG1098553
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	04/15/2018 16:50	WG1098553
1,2-Dichloropropane	U		0.000407	0.00114	1	04/15/2018 16:50	WG1098553
1,1-Dichloropropene	U		0.000360	0.00114	1	04/15/2018 16:50	WG1098553
1,3-Dichloropropane	U		0.000235	0.00114	1	04/15/2018 16:50	WG1098553
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/15/2018 16:50	WG1098553
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	04/15/2018 16:50	WG1098553
trans-1,4-Dichloro-2-butene	U		0.000884	0.00284	1	04/15/2018 16:50	WG1098553
2,2-Dichloropropane	U		0.000317	0.00114	1	04/15/2018 16:50	WG1098553
Di-isopropyl ether	U		0.000282	0.00114	1	04/15/2018 16:50	WG1098553
Ethylbenzene	U		0.000337	0.00114	1	04/15/2018 16:50	WG1098553
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	04/15/2018 16:50	WG1098553
2-Hexanone	U		0.00156	0.0114	1	04/15/2018 16:50	WG1098553
n-Hexane	U		0.000330	0.0114	1	04/15/2018 16:50	WG1098553
Iodomethane	U		0.00287	0.0114	1	04/15/2018 16:50	WG1098553
Isopropylbenzene	U		0.000276	0.00114	1	04/15/2018 16:50	WG1098553
p-Isopropyltoluene	U		0.000232	0.00114	1	04/15/2018 16:50	WG1098553
2-Butanone (MEK)	U		0.00532	0.0114	1	04/15/2018 16:50	WG1098553
Methylene Chloride	U		0.00114	0.00568	1	04/15/2018 16:50	WG1098553
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/15/2018 16:50	WG1098553

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/15/2018 16:50	WG1098553
Naphthalene	U		0.00114	0.00568	1	04/15/2018 16:50	WG1098553
n-Propylbenzene	U		0.000234	0.00114	1	04/15/2018 16:50	WG1098553
Styrene	U		0.000266	0.00114	1	04/15/2018 16:50	WG1098553
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/15/2018 16:50	WG1098553
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	04/15/2018 16:50	WG1098553
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	04/15/2018 16:50	WG1098553
Tetrachloroethene	U		0.000314	0.00114	1	04/15/2018 16:50	WG1098553
Toluene	U		0.000493	0.00568	1	04/15/2018 16:50	WG1098553
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/15/2018 16:50	WG1098553
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	04/15/2018 16:50	WG1098553
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/15/2018 16:50	WG1098553
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/15/2018 16:50	WG1098553
Trichloroethene	U		0.000317	0.00114	1	04/15/2018 16:50	WG1098553
Trichlorofluoromethane	U		0.000434	0.00568	1	04/15/2018 16:50	WG1098553
1,2,3-Trichloropropane	U		0.000842	0.00284	1	04/15/2018 16:50	WG1098553
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/15/2018 16:50	WG1098553
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	04/15/2018 16:50	WG1098553
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	04/15/2018 16:50	WG1098553
Vinyl acetate	U		0.00272	0.0114	1	04/15/2018 16:50	WG1098553
Vinyl chloride	0.00320		0.000331	0.00114	1	04/15/2018 16:50	WG1098553
Xylenes, Total	U		0.000793	0.00341	1	04/15/2018 16:50	WG1098553
(S) Toluene-d8	*104*			*80.0-120*		*04/15/2018 16:50*	WG1098553
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*04/15/2018 16:50*	WG1098553
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/15/2018 16:50*	WG1098553

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0560	1	04/15/2018 17:12	WG1098553
Acrylonitrile	U		0.00200	0.0112	1	04/15/2018 17:12	WG1098553
Benzene	U		0.000302	0.00112	1	04/15/2018 17:12	WG1098553
Bromobenzene	U		0.000318	0.00112	1	04/15/2018 17:12	WG1098553
Bromodichloromethane	U		0.000284	0.00112	1	04/15/2018 17:12	WG1098553
Bromochloromethane	U		0.000436	0.00560	1	04/15/2018 17:12	WG1098553
Bromoform	U		0.000474	0.00112	1	04/15/2018 17:12	WG1098553
Bromomethane	U		0.00150	0.00560	1	04/15/2018 17:12	WG1098553
n-Butylbenzene	U		0.000289	0.00112	1	04/15/2018 17:12	WG1098553
sec-Butylbenzene	U		0.000225	0.00112	1	04/15/2018 17:12	WG1098553
tert-Butylbenzene	U		0.000231	0.00112	1	04/15/2018 17:12	WG1098553
Carbon disulfide	U		0.000247	0.00112	1	04/15/2018 17:12	WG1098553
Carbon tetrachloride	U		0.000367	0.00112	1	04/15/2018 17:12	WG1098553
Chlorobenzene	U		0.000237	0.00112	1	04/15/2018 17:12	WG1098553
Chlorodibromomethane	U		0.000417	0.00112	1	04/15/2018 17:12	WG1098553
Chloroethane	U		0.00106	0.00560	1	04/15/2018 17:12	WG1098553
Chloroform	U		0.000256	0.00560	1	04/15/2018 17:12	WG1098553
Chloromethane	U		0.000420	0.00280	1	04/15/2018 17:12	WG1098553
2-Chlorotoluene	U		0.000337	0.00112	1	04/15/2018 17:12	WG1098553
4-Chlorotoluene	U		0.000269	0.00112	1	04/15/2018 17:12	WG1098553
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00560	1	04/15/2018 17:12	WG1098553
1,2-Dibromoethane	U		0.000384	0.00112	1	04/15/2018 17:12	WG1098553
Dibromomethane	U		0.000427	0.00112	1	04/15/2018 17:12	WG1098553
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/15/2018 17:12	WG1098553
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/15/2018 17:12	WG1098553
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/15/2018 17:12	WG1098553
Dichlorodifluoromethane	U		0.000798	0.00560	1	04/15/2018 17:12	WG1098553
1,1-Dichloroethane	U		0.000223	0.00112	1	04/15/2018 17:12	WG1098553
1,2-Dichloroethane	U		0.000297	0.00112	1	04/15/2018 17:12	WG1098553
1,1-Dichloroethene	U		0.000339	0.00112	1	04/15/2018 17:12	WG1098553
cis-1,2-Dichloroethene	0.00256		0.000263	0.00112	1	04/15/2018 17:12	WG1098553
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/15/2018 17:12	WG1098553
1,2-Dichloropropane	U		0.000401	0.00112	1	04/15/2018 17:12	WG1098553
1,1-Dichloropropene	U		0.000355	0.00112	1	04/15/2018 17:12	WG1098553
1,3-Dichloropropane	U		0.000232	0.00112	1	04/15/2018 17:12	WG1098553
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/15/2018 17:12	WG1098553
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/15/2018 17:12	WG1098553
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	04/15/2018 17:12	WG1098553
2,2-Dichloropropane	U		0.000312	0.00112	1	04/15/2018 17:12	WG1098553
Di-isopropyl ether	U		0.000278	0.00112	1	04/15/2018 17:12	WG1098553
Ethylbenzene	U		0.000332	0.00112	1	04/15/2018 17:12	WG1098553
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	04/15/2018 17:12	WG1098553
2-Hexanone	U		0.00153	0.0112	1	04/15/2018 17:12	WG1098553
n-Hexane	0.000474	J	0.000325	0.0112	1	04/15/2018 17:12	WG1098553
Iodomethane	U		0.00283	0.0112	1	04/15/2018 17:12	WG1098553
Isopropylbenzene	U		0.000272	0.00112	1	04/15/2018 17:12	WG1098553
p-Isopropyltoluene	U		0.000228	0.00112	1	04/15/2018 17:12	WG1098553
2-Butanone (MEK)	U		0.00524	0.0112	1	04/15/2018 17:12	WG1098553
Methylene Chloride	U		0.00112	0.00560	1	04/15/2018 17:12	WG1098553
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/15/2018 17:12	WG1098553

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/15/2018 17:12	WG1098553
Naphthalene	U		0.00112	0.00560	1	04/15/2018 17:12	WG1098553
n-Propylbenzene	U		0.000231	0.00112	1	04/15/2018 17:12	WG1098553
Styrene	U		0.000262	0.00112	1	04/15/2018 17:12	WG1098553
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/15/2018 17:12	WG1098553
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/15/2018 17:12	WG1098553
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/15/2018 17:12	WG1098553
Tetrachloroethene	U		0.000309	0.00112	1	04/15/2018 17:12	WG1098553
Toluene	U		0.000486	0.00560	1	04/15/2018 17:12	WG1098553
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/15/2018 17:12	WG1098553
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/15/2018 17:12	WG1098553
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/15/2018 17:12	WG1098553
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/15/2018 17:12	WG1098553
Trichloroethene	U		0.000312	0.00112	1	04/15/2018 17:12	WG1098553
Trichlorofluoromethane	U		0.000427	0.00560	1	04/15/2018 17:12	WG1098553
1,2,3-Trichloropropane	U		0.000829	0.00280	1	04/15/2018 17:12	WG1098553
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/15/2018 17:12	WG1098553
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/15/2018 17:12	WG1098553
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/15/2018 17:12	WG1098553
Vinyl acetate	U		0.00267	0.0112	1	04/15/2018 17:12	WG1098553
Vinyl chloride	0.00587		0.000326	0.00112	1	04/15/2018 17:12	WG1098553
Xylenes, Total	U		0.000781	0.00336	1	04/15/2018 17:12	WG1098553
(S) Toluene-d8	*102*			*80.0-120*		*04/15/2018 17:12*	WG1098553
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*04/15/2018 17:12*	WG1098553
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/15/2018 17:12*	WG1098553

Method Blank (MB)

(MB) R3301863-1 04/13/18 15:36

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L985213-01 Original Sample (OS) • Duplicate (DUP)

(OS) L985213-01 04/13/18 15:36 • (DUP) R3301863-3 04/13/18 15:36

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.1	90.0	1	1.23		5

Laboratory Control Sample (LCS)

(LCS) R3301863-2 04/13/18 15:36

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3301862-1 04/13/18 14:58

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L985279-10 Original Sample (OS) • Duplicate (DUP)

(OS) L985279-10 04/13/18 14:58 • (DUP) R3301862-3 04/13/18 14:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	72.1	69.2	1	4.21		5

Laboratory Control Sample (LCS)

(LCS) R3301862-2 04/13/18 14:58

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3302060-1 04/14/18 07:24

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L985289-01 Original Sample (OS) • Duplicate (DUP)

(OS) L985289-01 04/14/18 07:24 • (DUP) R3302060-3 04/14/18 07:24

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.2	77.5	1	0.880		5

Laboratory Control Sample (LCS)

(LCS) R3302060-2 04/14/18 07:24

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3302011-2 04/13/18 10:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
Carbon disulfide	U		0.101	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
2,2-Dichloropropane	U		0.0929	0.500
2-Hexanone	U		0.757	5.00

Method Blank (MB)

(MB) R3302011-2 04/13/18 10:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
n-Hexane	U		0.305	5.00
Di-isopropyl ether	U		0.0924	0.500
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	0.219	J	0.174	2.50
n-Propylbenzene	U		0.162	0.500
Vinyl acetate	U		0.645	5.00
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	0.191	J	0.164	0.500
Toluene	U		0.412	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*92.5*			*80.0-120*
(S) Dibromofluoromethane	*99.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*120*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302011-1 04/13/18 09:06 • (LCSD) R3302011-3 04/13/18 10:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromochloromethane	25.0	23.8	23.5	95.3	94.0	76.0-122			1.35	20
Carbon disulfide	25.0	26.8	25.8	107	103	55.0-127			4.00	20
Acetone	125	96.4	98.0	77.1	78.4	10.0-160			1.61	23
Acrylonitrile	125	80.3	80.2	64.3	64.2	60.0-142			0.130	20
trans-1,4-Dichloro-2-butene	25.0	20.0	20.0	80.1	80.2	55.0-134			0.0876	20
Bromobenzene	25.0	26.6	25.8	106	103	79.0-120			3.14	20
Bromodichloromethane	25.0	22.3	22.3	89.1	89.2	76.0-120			0.151	20
2-Hexanone	125	84.8	84.7	67.8	67.8	58.0-147			0.0161	20
Bromoform	25.0	28.3	28.1	113	112	67.0-132			0.710	20
Bromomethane	25.0	22.2	20.5	88.7	82.1	18.0-160			7.78	20
n-Hexane	25.0	17.5	16.6	70.1	66.6	56.0-124			5.12	20
Iodomethane	125	123	116	98.5	93.2	57.0-140			5.55	20
n-Butylbenzene	25.0	25.7	24.1	103	96.4	72.0-126			6.23	20
sec-Butylbenzene	25.0	25.2	23.6	101	94.4	74.0-121			6.61	20
tert-Butylbenzene	25.0	24.8	23.8	99.4	95.1	75.0-122			4.39	20
Carbon tetrachloride	25.0	19.7	19.8	78.8	79.2	63.0-122			0.457	20
Benzene	25.0	25.8	24.6	103	98.4	69.0-123			4.65	20
Chlorobenzene	25.0	23.2	23.0	92.7	92.1	79.0-121			0.666	20
Chlorodibromomethane	25.0	22.7	22.4	90.7	89.6	75.0-125			1.24	20
Chloroethane	25.0	22.2	22.6	88.7	90.3	47.0-152			1.79	20
Chloroform	25.0	24.5	23.3	98.0	93.1	72.0-121			5.10	20
Chloromethane	25.0	17.9	16.8	71.7	67.1	48.0-139			6.73	20
2-Chlorotoluene	25.0	26.7	25.8	107	103	74.0-122			3.39	20
4-Chlorotoluene	25.0	26.1	24.9	105	99.4	79.0-120			5.04	20
1,2-Dibromo-3-Chloropropane	25.0	21.6	21.8	86.5	87.0	64.0-127			0.676	20
1,2-Dibromoethane	25.0	23.0	22.4	92.1	89.7	77.0-123			2.65	20
Dibromomethane	25.0	23.9	24.5	95.8	97.8	78.0-120			2.13	20
1,2-Dichlorobenzene	25.0	23.3	22.0	93.0	87.9	80.0-120			5.64	20
1,3-Dichlorobenzene	25.0	23.5	22.1	94.1	88.4	72.0-123			6.27	20
1,4-Dichlorobenzene	25.0	23.8	22.6	95.1	90.4	77.0-120			5.07	20
Dichlorodifluoromethane	25.0	25.3	23.0	101	92.1	49.0-155			9.61	20
1,1-Dichloroethane	25.0	21.2	20.8	84.7	83.2	70.0-126			1.74	20
1,2-Dichloroethane	25.0	19.2	19.5	76.9	78.0	67.0-126			1.46	20
1,1-Dichloroethene	25.0	26.4	24.9	106	99.4	64.0-129			6.17	20
Vinyl acetate	125	104	100	82.9	80.4	46.0-160			3.10	20
cis-1,2-Dichloroethene	25.0	24.5	23.4	98.0	93.8	73.0-120			4.38	20
trans-1,2-Dichloroethene	25.0	24.7	24.2	98.9	96.8	71.0-121			2.09	20
1,2-Dichloropropane	25.0	22.5	21.9	89.9	87.7	75.0-125			2.49	20
1,1-Dichloropropene	25.0	26.5	24.6	106	98.4	71.0-129			7.53	20
1,3-Dichloropropane	25.0	24.1	23.7	96.2	94.9	80.0-121			1.34	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302011-1 04/13/18 09:06 • (LCSD) R3302011-3 04/13/18 10:26

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	25.0	23.8	24.2	95.4	97.0	79.0-123			1.71	20
trans-1,3-Dichloropropene	25.0	23.7	23.0	94.7	92.1	74.0-127			2.83	20
2,2-Dichloropropane	25.0	23.8	22.9	95.1	91.5	60.0-125			3.84	20
Di-isopropyl ether	25.0	16.9	16.5	67.6	66.1	59.0-133			2.24	20
Hexachloro-1,3-butadiene	25.0	21.1	20.5	84.2	82.0	64.0-131			2.67	20
Isopropylbenzene	25.0	30.6	29.7	122	119	75.0-120	J4		2.88	20
p-Isopropyltoluene	25.0	23.8	23.6	95.3	94.4	74.0-126			0.956	20
2-Butanone (MEK)	125	84.9	85.7	67.9	68.6	37.0-158			0.969	20
Methylene Chloride	25.0	24.0	23.7	96.0	94.7	66.0-121			1.43	20
4-Methyl-2-pentanone (MIBK)	125	79.5	79.9	63.6	63.9	59.0-143			0.506	20
Ethylbenzene	25.0	23.9	22.5	95.7	89.8	77.0-120			6.28	20
n-Propylbenzene	25.0	28.6	26.7	114	107	79.0-120			6.69	20
Styrene	25.0	31.5	30.6	126	122	78.0-124	J4		3.13	20
1,1,1,2-Tetrachloroethane	25.0	21.0	20.4	84.0	81.6	75.0-122			2.91	20
1,1,2,2-Tetrachloroethane	25.0	27.7	26.9	111	108	71.0-122			3.02	20
Tetrachloroethene	25.0	21.8	21.2	87.2	84.8	70.0-127			2.81	20
1,1,2-Trichlorotrifluoroethane	25.0	27.4	26.6	109	106	61.0-136			2.91	20
1,2,3-Trichlorobenzene	25.0	21.2	20.7	84.8	82.7	61.0-133			2.52	20
1,2,4-Trichlorobenzene	25.0	22.7	21.5	90.8	85.9	69.0-129			5.55	20
1,1,1-Trichloroethane	25.0	22.2	21.0	88.7	83.8	68.0-122			5.68	20
Methyl tert-butyl ether	25.0	22.9	23.1	91.4	92.5	64.0-123			1.20	20
1,1,2-Trichloroethane	25.0	24.7	24.6	98.7	98.3	78.0-120			0.337	20
Trichloroethene	25.0	23.4	22.8	93.4	91.1	78.0-120			2.58	20
Naphthalene	25.0	21.4	20.0	85.8	80.0	62.0-128			6.98	20
Trichlorofluoromethane	25.0	25.2	23.8	101	95.3	56.0-137			5.63	20
1,2,3-Trichloropropane	25.0	24.2	23.4	96.8	93.6	72.0-124			3.35	20
1,2,3-Trimethylbenzene	25.0	23.8	23.2	95.3	92.8	75.0-120			2.62	20
1,2,4-Trimethylbenzene	25.0	24.6	23.7	98.5	94.7	75.0-120			3.96	20
1,3,5-Trimethylbenzene	25.0	25.3	25.1	101	100	75.0-120			0.612	20
Vinyl chloride	25.0	25.4	22.5	102	90.1	64.0-133			12.0	20
Toluene	25.0	22.8	22.0	91.1	87.9	77.0-120			3.62	20
Xylenes, Total	75.0	67.6	65.7	90.1	87.6	77.0-120			2.85	20
(S) Toluene-d8				*96.8*	*97.1*	*80.0-120*				
(S) Dibromofluoromethane				*97.5*	*98.5*	*76.0-123*				
(S) 4-Bromofluorobenzene				*119*	*116*	*80.0-120*				

Method Blank (MB)

(MB) R3301937-3 04/14/18 13:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3301937-3 04/14/18 13:13

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) Dibromofluoromethane	*88.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*95.9*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301937-1 04/14/18 11:27 • (LCSD) R3301937-2 04/14/18 11:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.120	0.116	96.3	92.8	11.0-160			3.69	23
Acrylonitrile	0.125	0.143	0.138	114	111	61.0-143			3.03	20
Benzene	0.0250	0.0257	0.0252	103	101	71.0-124			1.86	20
Bromobenzene	0.0250	0.0251	0.0250	100	99.9	78.0-120			0.345	20
Bromodichloromethane	0.0250	0.0268	0.0262	107	105	75.0-120			2.15	20
Bromochloromethane	0.0250	0.0275	0.0268	110	107	80.0-121			2.64	20
Bromoform	0.0250	0.0278	0.0266	111	107	65.0-133			4.13	20
Bromomethane	0.0250	0.0238	0.0240	95.3	95.9	26.0-160			0.583	20
n-Butylbenzene	0.0250	0.0264	0.0263	106	105	73.0-126			0.313	20
sec-Butylbenzene	0.0250	0.0258	0.0260	103	104	75.0-121			0.661	20
tert-Butylbenzene	0.0250	0.0269	0.0264	108	106	74.0-122			1.94	20
Carbon disulfide	0.0250	0.0248	0.0243	99.3	97.3	53.0-130			2.05	20
Carbon tetrachloride	0.0250	0.0275	0.0251	110	100	66.0-123			8.91	20
Chlorobenzene	0.0250	0.0284	0.0283	113	113	79.0-121			0.276	20
Chlorodibromomethane	0.0250	0.0286	0.0280	114	112	74.0-128			1.80	20
Chloroethane	0.0250	0.0238	0.0238	95.0	95.2	51.0-147			0.197	20
Chloroform	0.0250	0.0262	0.0263	105	105	73.0-123			0.384	20
Chloromethane	0.0250	0.0250	0.0245	99.8	98.1	51.0-138			1.77	20
2-Chlorotoluene	0.0250	0.0262	0.0257	105	103	72.0-124			1.70	20
4-Chlorotoluene	0.0250	0.0255	0.0253	102	101	78.0-120			0.774	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0268	0.0262	107	105	65.0-126			2.28	20
1,2-Dibromoethane	0.0250	0.0286	0.0278	115	111	78.0-122			2.99	20
Dibromomethane	0.0250	0.0270	0.0264	108	106	79.0-120			2.30	20
1,2-Dichlorobenzene	0.0250	0.0270	0.0267	108	107	80.0-120			0.882	20
1,3-Dichlorobenzene	0.0250	0.0265	0.0264	106	106	72.0-123			0.293	20
1,4-Dichlorobenzene	0.0250	0.0256	0.0254	103	101	77.0-120			1.09	20
trans-1,4-Dichloro-2-butene	0.0250	0.0291	0.0277	117	111	68.0-126			5.18	20
Dichlorodifluoromethane	0.0250	0.0250	0.0233	99.9	93.4	49.0-155			6.69	20
1,1-Dichloroethane	0.0250	0.0268	0.0271	107	108	70.0-128			1.15	20
1,2-Dichloroethane	0.0250	0.0264	0.0263	106	105	69.0-128			0.621	20
1,1-Dichloroethene	0.0250	0.0260	0.0256	104	103	63.0-131			1.26	20
cis-1,2-Dichloroethene	0.0250	0.0262	0.0260	105	104	74.0-123			0.825	20
trans-1,2-Dichloroethene	0.0250	0.0269	0.0264	108	106	72.0-122			1.93	20
1,2-Dichloropropane	0.0250	0.0278	0.0282	111	113	75.0-126			1.39	20
1,1-Dichloropropene	0.0250	0.0257	0.0257	103	103	72.0-130			0.0374	20
1,3-Dichloropropane	0.0250	0.0281	0.0274	112	109	80.0-121			2.75	20
cis-1,3-Dichloropropene	0.0250	0.0279	0.0280	112	112	80.0-125			0.480	20
trans-1,3-Dichloropropene	0.0250	0.0292	0.0286	117	115	75.0-129			2.01	20
2,2-Dichloropropane	0.0250	0.0265	0.0256	106	102	60.0-129			3.55	20
Di-isopropyl ether	0.0250	0.0277	0.0273	111	109	62.0-133			1.44	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3301937-1 04/14/18 11:27 • (LCSD) R3301937-2 04/14/18 11:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0280	0.0278	112	111	77.0-120			0.413	20
Hexachloro-1,3-butadiene	0.0250	0.0309	0.0316	124	126	68.0-128			2.03	20
2-Hexanone	0.125	0.152	0.142	121	114	61.0-143			6.26	20
n-Hexane	0.0250	0.0237	0.0239	95.0	95.6	57.0-125			0.599	20
Iodomethane	0.125	0.137	0.135	110	108	67.0-132			1.76	20
Isopropylbenzene	0.0250	0.0258	0.0259	103	104	75.0-120			0.267	20
p-Isopropyltoluene	0.0250	0.0276	0.0276	110	111	74.0-125			0.284	20
2-Butanone (MEK)	0.125	0.136	0.129	109	103	37.0-159			5.32	20
Methylene Chloride	0.0250	0.0257	0.0255	103	102	67.0-123			0.692	20
4-Methyl-2-pentanone (MIBK)	0.125	0.153	0.145	122	116	60.0-144			5.49	20
Methyl tert-butyl ether	0.0250	0.0277	0.0271	111	108	66.0-125			2.17	20
Naphthalene	0.0250	0.0273	0.0266	109	106	64.0-125			2.55	20
n-Propylbenzene	0.0250	0.0260	0.0259	104	103	78.0-120			0.611	20
Styrene	0.0250	0.0259	0.0257	104	103	78.0-124			1.08	20
1,1,1,2-Tetrachloroethane	0.0250	0.0297	0.0290	119	116	74.0-124			2.39	20
1,1,2,2-Tetrachloroethane	0.0250	0.0257	0.0249	103	99.7	73.0-120			2.90	20
Tetrachloroethene	0.0250	0.0296	0.0299	118	120	70.0-127			1.18	20
Toluene	0.0250	0.0268	0.0263	107	105	77.0-120			1.67	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0269	0.0261	108	105	64.0-135			2.84	20
1,2,3-Trichlorobenzene	0.0250	0.0288	0.0290	115	116	68.0-126			0.461	20
1,2,4-Trichlorobenzene	0.0250	0.0281	0.0280	112	112	70.0-127			0.474	20
1,1,1-Trichloroethane	0.0250	0.0267	0.0265	107	106	69.0-125			0.581	20
1,1,2-Trichloroethane	0.0250	0.0273	0.0270	109	108	78.0-120			0.853	20
Trichloroethene	0.0250	0.0289	0.0290	116	116	79.0-120			0.322	20
Trichlorofluoromethane	0.0250	0.0265	0.0259	106	104	59.0-136			2.26	20
1,2,3-Trichloropropane	0.0250	0.0259	0.0244	104	97.4	73.0-124			6.24	20
1,2,3-Trimethylbenzene	0.0250	0.0260	0.0256	104	102	76.0-120			1.62	20
1,2,4-Trimethylbenzene	0.0250	0.0262	0.0257	105	103	75.0-120			1.85	20
1,3,5-Trimethylbenzene	0.0250	0.0265	0.0261	106	104	75.0-120			1.62	20
Vinyl acetate	0.125	0.135	0.128	108	102	58.0-156			5.82	20
Vinyl chloride	0.0250	0.0260	0.0257	104	103	63.0-134			1.53	20
Xylenes, Total	0.0750	0.0864	0.0845	115	113	77.0-120			2.22	20
(S) Toluene-d8				*107*	*107*	*80.0-120*				
(S) Dibromofluoromethane				*93.0*	*91.7*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.4*	*91.3*	*64.0-132*				

Method Blank (MB)

(MB) R3302214-5 04/15/18 13:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3302214-5 04/15/18 13:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) Dibromofluoromethane	*92.8*			*74.0-131*
(S) 4-Bromofluorobenzene	*95.0*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302214-1 04/15/18 11:11 • (LCSD) R3302214-2 04/15/18 11:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.112	0.112	89.3	89.4	11.0-160			0.195	23
Acrylonitrile	0.125	0.133	0.132	106	106	61.0-143			0.351	20
Benzene	0.0250	0.0250	0.0254	100	101	71.0-124			1.32	20
Bromobenzene	0.0250	0.0247	0.0254	98.9	102	78.0-120			2.60	20
Bromodichloromethane	0.0250	0.0258	0.0269	103	108	75.0-120			4.21	20
Bromochloromethane	0.0250	0.0262	0.0270	105	108	80.0-121			2.88	20
Bromoform	0.0250	0.0271	0.0272	109	109	65.0-133			0.283	20
Bromomethane	0.0250	0.0236	0.0234	94.3	93.8	26.0-160			0.586	20
n-Butylbenzene	0.0250	0.0263	0.0273	105	109	73.0-126			3.41	20
sec-Butylbenzene	0.0250	0.0259	0.0272	104	109	75.0-121			4.68	20
tert-Butylbenzene	0.0250	0.0265	0.0274	106	110	74.0-122			3.29	20
Carbon disulfide	0.0250	0.0252	0.0260	101	104	53.0-130			3.08	20
Carbon tetrachloride	0.0250	0.0261	0.0273	104	109	66.0-123			4.34	20
Chlorobenzene	0.0250	0.0279	0.0287	112	115	79.0-121			2.91	20
Chlorodibromomethane	0.0250	0.0280	0.0290	112	116	74.0-128			3.64	20
Chloroethane	0.0250	0.0230	0.0230	91.8	92.0	51.0-147			0.183	20
Chloroform	0.0250	0.0250	0.0259	100	104	73.0-123			3.54	20
Chloromethane	0.0250	0.0243	0.0239	97.3	95.5	51.0-138			1.85	20
2-Chlorotoluene	0.0250	0.0260	0.0268	104	107	72.0-124			3.03	20
4-Chlorotoluene	0.0250	0.0251	0.0259	100	103	78.0-120			2.92	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0259	0.0259	104	104	65.0-126			0.0619	20
1,2-Dibromoethane	0.0250	0.0277	0.0288	111	115	78.0-122			3.89	20
Dibromomethane	0.0250	0.0253	0.0266	101	106	79.0-120			4.72	20
1,2-Dichlorobenzene	0.0250	0.0268	0.0278	107	111	80.0-120			3.63	20
1,3-Dichlorobenzene	0.0250	0.0264	0.0275	106	110	72.0-123			4.06	20
1,4-Dichlorobenzene	0.0250	0.0254	0.0265	102	106	77.0-120			4.07	20
trans-1,4-Dichloro-2-butene	0.0250	0.0272	0.0265	109	106	68.0-126			2.68	20
Dichlorodifluoromethane	0.0250	0.0252	0.0247	101	98.7	49.0-155			2.10	20
1,1-Dichloroethane	0.0250	0.0259	0.0271	104	108	70.0-128			4.63	20
1,2-Dichloroethane	0.0250	0.0251	0.0258	100	103	69.0-128			2.78	20
1,1-Dichloroethene	0.0250	0.0256	0.0267	102	107	63.0-131			4.46	20
cis-1,2-Dichloroethene	0.0250	0.0251	0.0261	100	104	74.0-123			3.98	20
trans-1,2-Dichloroethene	0.0250	0.0255	0.0267	102	107	72.0-122			4.35	20
1,2-Dichloropropane	0.0250	0.0268	0.0284	107	114	75.0-126			5.82	20
1,1-Dichloropropene	0.0250	0.0250	0.0261	100	104	72.0-130			4.27	20
1,3-Dichloropropane	0.0250	0.0270	0.0272	108	109	80.0-121			0.543	20
cis-1,3-Dichloropropene	0.0250	0.0277	0.0286	111	114	80.0-125			3.19	20
trans-1,3-Dichloropropene	0.0250	0.0280	0.0285	112	114	75.0-129			1.82	20
2,2-Dichloropropane	0.0250	0.0245	0.0270	98.1	108	60.0-129			9.47	20
Di-isopropyl ether	0.0250	0.0256	0.0269	102	107	62.0-133			4.96	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3302214-1 04/15/18 11:11 • (LCSD) R3302214-2 04/15/18 11:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0278	0.0290	111	116	77.0-120			4.24	20
Hexachloro-1,3-butadiene	0.0250	0.0302	0.0319	121	128	68.0-128			5.50	20
2-Hexanone	0.125	0.137	0.141	110	113	61.0-143			2.33	20
n-Hexane	0.0250	0.0248	0.0253	99.4	101	57.0-125			1.91	20
Iodomethane	0.125	0.132	0.139	106	111	67.0-132			4.99	20
Isopropylbenzene	0.0250	0.0260	0.0270	104	108	75.0-120			3.61	20
p-Isopropyltoluene	0.0250	0.0273	0.0288	109	115	74.0-125			5.09	20
2-Butanone (MEK)	0.125	0.124	0.123	99.2	98.8	37.0-159			0.451	20
Methylene Chloride	0.0250	0.0250	0.0254	99.9	102	67.0-123			1.84	20
4-Methyl-2-pentanone (MIBK)	0.125	0.143	0.143	114	115	60.0-144			0.357	20
Methyl tert-butyl ether	0.0250	0.0253	0.0263	101	105	66.0-125			3.86	20
Naphthalene	0.0250	0.0265	0.0269	106	108	64.0-125			1.71	20
n-Propylbenzene	0.0250	0.0259	0.0266	104	106	78.0-120			2.59	20
Styrene	0.0250	0.0259	0.0267	104	107	78.0-124			2.97	20
1,1,1,2-Tetrachloroethane	0.0250	0.0286	0.0300	114	120	74.0-124			4.81	20
1,1,2,2-Tetrachloroethane	0.0250	0.0249	0.0258	99.5	103	73.0-120			3.66	20
Tetrachloroethene	0.0250	0.0295	0.0299	118	120	70.0-127			1.42	20
Toluene	0.0250	0.0264	0.0272	106	109	77.0-120			3.17	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0266	0.0280	107	112	64.0-135			5.17	20
1,2,3-Trichlorobenzene	0.0250	0.0281	0.0288	112	115	68.0-126			2.73	20
1,2,4-Trichlorobenzene	0.0250	0.0271	0.0287	108	115	70.0-127			5.51	20
1,1,1-Trichloroethane	0.0250	0.0253	0.0267	101	107	69.0-125			5.47	20
1,1,2-Trichloroethane	0.0250	0.0264	0.0272	105	109	78.0-120			3.27	20
Trichloroethene	0.0250	0.0279	0.0296	112	118	79.0-120			5.86	20
Trichlorofluoromethane	0.0250	0.0253	0.0247	101	99.0	59.0-136			2.06	20
1,2,3-Trichloropropane	0.0250	0.0254	0.0258	102	103	73.0-124			1.58	20
1,2,3-Trimethylbenzene	0.0250	0.0257	0.0267	103	107	76.0-120			3.75	20
1,2,4-Trimethylbenzene	0.0250	0.0259	0.0269	104	108	75.0-120			3.68	20
1,3,5-Trimethylbenzene	0.0250	0.0263	0.0273	105	109	75.0-120			3.48	20
Vinyl acetate	0.125	0.124	0.125	99.4	100	58.0-156			0.837	20
Vinyl chloride	0.0250	0.0255	0.0256	102	103	63.0-134			0.536	20
Xylenes, Total	0.0750	0.0844	0.0878	113	117	77.0-120			3.95	20
(S) Toluene-d8				*111*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*90.9*	*91.6*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.3*	*90.0*	*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J4	The associated batch QC was outside the established quality control range for accuracy.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

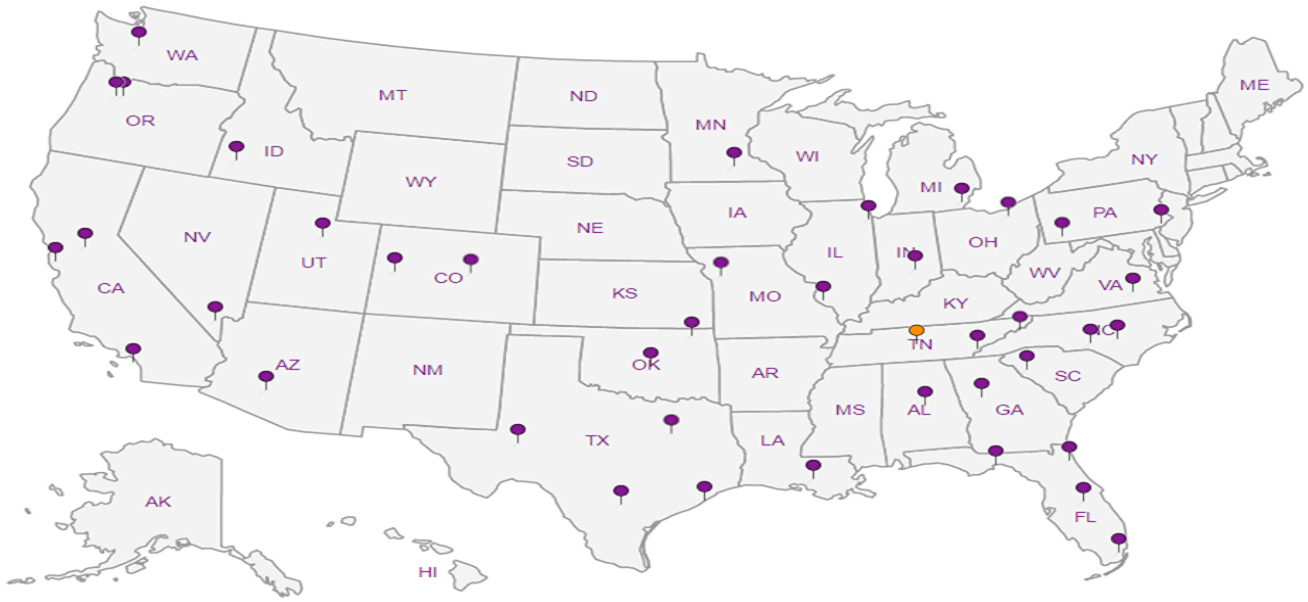
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



Chain of Custody Page 1 of 2

ESC LABS SCIENCES — a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L985274

F005

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:
Shipped Via: FedEX Ground

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Karsten Springstead

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N___ Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-148-11	Grab	SS	11	4/9/18	955	4	X	X		-01
MW-148-20		SS	20		1005					02
MW-148-30		SS	30		1020					03
MW-148-40		SS	40		1045					04
MW-148-50		SS	50		1100					05
MW-148-60		SS	60		1120					06
MW-148-70		SS	70		1130					07
MW-148-80	X	SS	80	X	1210	X	X	X		08
TRIP BLANK	X	SS	—	12-11-17	—	X	X			09
		SS								

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4269 9216 3060

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		X N
Bottles arrive intact:		X N
Correct bottles used:		X N
Sufficient volume sent:		X N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N

Trip Blank Received: Yes / (No) HCl / MeoH TBR

Temp: 4.3 °C Bottles Received: 50

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature) RT McLaughlin	4/10/18 RTM	1600	
Relinquished by : (Signature)	4/11/18		Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) 904

Date: 4/12/18 Time: 8:45

Chain of Custody Page 2 of 2

ESC LABORATORY SCIENCES
a subsidiary of Pace Analytical
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L985274

Table #

Acctnum: PESENVSWA

Template: T134663

Prelogin: P647548

TSR: 110 - Brian Ford

PB: 4-4-18 cm

Shipped Via: FedEx Ground

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #

Lab Project # PESENVSWA-ALP

Collected by (print): Rachel McLaughlin

Site/Facility ID #

P.O. #

Collected by (signature): R. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-143-10	Grab	SS	10	4-11-18	0938	5	X	X		-10
MW-143-20		SS	20		1000					11
MW-143-30		SS	30		1020					12
MW-143-40		SS	40		1040					13
MW-143-50		SS	50		1055					14
MW-143-60		SS	60		1120					15
MW-143-70		SS	70		1200					16
MW-143-80		SS	80		1300					17
MW-902-20	X	SS	20	X	1422	X	X	X		18
		SS								

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4269 9216 3060

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.3 °C Bottles Received: 7

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
R.T. McLaughlin	4/11/18	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			904

Date: 4/12/18 Time: 8:45

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	04/13/2018 15:36	WG1097916

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0266 J	J	0.0115	0.0577	1	04/14/2018 18:31	WG1098127
Acrylonitrile	U		0.00207	0.0115	1	04/14/2018 18:31	WG1098127
Benzene	0.000728 J	J	0.000311	0.00115	1	04/14/2018 18:31	WG1098127
Bromobenzene	U		0.000328	0.00115	1	04/14/2018 18:31	WG1098127
Bromodichloromethane	U		0.000293	0.00115	1	04/14/2018 18:31	WG1098127
Bromochloromethane	U		0.000450	0.00577	1	04/14/2018 18:31	WG1098127
Bromoform	U		0.000489	0.00115	1	04/14/2018 18:31	WG1098127
Bromomethane	U		0.00155	0.00577	1	04/14/2018 18:31	WG1098127
n-Butylbenzene	U		0.000298	0.00115	1	04/14/2018 18:31	WG1098127
sec-Butylbenzene	U		0.000232	0.00115	1	04/14/2018 18:31	WG1098127
tert-Butylbenzene	U		0.000238	0.00115	1	04/14/2018 18:31	WG1098127
Carbon disulfide	0.00130		0.000255	0.00115	1	04/14/2018 18:31	WG1098127
Carbon tetrachloride	U		0.000378	0.00115	1	04/14/2018 18:31	WG1098127
Chlorobenzene	U		0.000245	0.00115	1	04/14/2018 18:31	WG1098127
Chlorodibromomethane	U		0.000430	0.00115	1	04/14/2018 18:31	WG1098127
Chloroethane	U		0.00109	0.00577	1	04/14/2018 18:31	WG1098127
Chloroform	U		0.000264	0.00577	1	04/14/2018 18:31	WG1098127
Chloromethane	U		0.000433	0.00288	1	04/14/2018 18:31	WG1098127
2-Chlorotoluene	U		0.000347	0.00115	1	04/14/2018 18:31	WG1098127
4-Chlorotoluene	U		0.000277	0.00115	1	04/14/2018 18:31	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	04/14/2018 18:31	WG1098127
1,2-Dibromoethane	U		0.000396	0.00115	1	04/14/2018 18:31	WG1098127
Dibromomethane	U		0.000441	0.00115	1	04/14/2018 18:31	WG1098127
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/14/2018 18:31	WG1098127
1,3-Dichlorobenzene	U		0.000276	0.00115	1	04/14/2018 18:31	WG1098127
1,4-Dichlorobenzene	U		0.000261	0.00115	1	04/14/2018 18:31	WG1098127
Dichlorodifluoromethane	U		0.000823	0.00577	1	04/14/2018 18:31	WG1098127
1,1-Dichloroethane	U		0.000230	0.00115	1	04/14/2018 18:31	WG1098127
1,2-Dichloroethane	U		0.000306	0.00115	1	04/14/2018 18:31	WG1098127
1,1-Dichloroethene	U		0.000350	0.00115	1	04/14/2018 18:31	WG1098127
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	04/14/2018 18:31	WG1098127
trans-1,2-Dichloroethene	U		0.000305	0.00115	1	04/14/2018 18:31	WG1098127
1,2-Dichloropropane	U		0.000413	0.00115	1	04/14/2018 18:31	WG1098127
1,1-Dichloropropene	U		0.000366	0.00115	1	04/14/2018 18:31	WG1098127
1,3-Dichloropropane	U		0.000239	0.00115	1	04/14/2018 18:31	WG1098127
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/14/2018 18:31	WG1098127
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/14/2018 18:31	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000898	0.00288	1	04/14/2018 18:31	WG1098127
2,2-Dichloropropane	U		0.000322	0.00115	1	04/14/2018 18:31	WG1098127
Di-isopropyl ether	U		0.000286	0.00115	1	04/14/2018 18:31	WG1098127
Ethylbenzene	U		0.000343	0.00115	1	04/14/2018 18:31	WG1098127
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	04/14/2018 18:31	WG1098127
2-Hexanone	U		0.00158	0.0115	1	04/14/2018 18:31	WG1098127
n-Hexane	0.00937 J	J	0.000335	0.0115	1	04/14/2018 18:31	WG1098127
Iodomethane	U		0.00292	0.0115	1	04/14/2018 18:31	WG1098127
Isopropylbenzene	U		0.000280	0.00115	1	04/14/2018 18:31	WG1098127
p-Isopropyltoluene	U		0.000235	0.00115	1	04/14/2018 18:31	WG1098127
2-Butanone (MEK)	0.00585 J	J	0.00540	0.0115	1	04/14/2018 18:31	WG1098127
Methylene Chloride	U		0.00115	0.00577	1	04/14/2018 18:31	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	04/14/2018 18:31	WG1098127

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	04/14/2018 18:31	WG1098127
Naphthalene	U		0.00115	0.00577	1	04/14/2018 18:31	WG1098127
n-Propylbenzene	U		0.000238	0.00115	1	04/14/2018 18:31	WG1098127
Styrene	U		0.000270	0.00115	1	04/14/2018 18:31	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	04/14/2018 18:31	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/14/2018 18:31	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/14/2018 18:31	WG1098127
Tetrachloroethene	U		0.000318	0.00115	1	04/14/2018 18:31	WG1098127
Toluene	U		0.000501	0.00577	1	04/14/2018 18:31	WG1098127
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/14/2018 18:31	WG1098127
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	04/14/2018 18:31	WG1098127
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/14/2018 18:31	WG1098127
1,1,2-Trichloroethane	U		0.000320	0.00115	1	04/14/2018 18:31	WG1098127
Trichloroethene	U		0.000322	0.00115	1	04/14/2018 18:31	WG1098127
Trichlorofluoromethane	U		0.000441	0.00577	1	04/14/2018 18:31	WG1098127
1,2,3-Trichloropropane	U		0.000855	0.00288	1	04/14/2018 18:31	WG1098127
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/14/2018 18:31	WG1098127
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/14/2018 18:31	WG1098127
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/14/2018 18:31	WG1098127
Vinyl acetate	U		0.00276	0.0115	1	04/14/2018 18:31	WG1098127
Vinyl chloride	U		0.000336	0.00115	1	04/14/2018 18:31	WG1098127
Xylenes, Total	U		0.000805	0.00346	1	04/14/2018 18:31	WG1098127
(S) Toluene-d8	*99.7*			*80.0-120*		*04/14/2018 18:31*	WG1098127
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*04/14/2018 18:31*	WG1098127
(S) 4-Bromofluorobenzene	*94.3*			*64.0-132*		*04/14/2018 18:31*	WG1098127

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0108	0.0542	1	04/14/2018 18:52	WG1098127	
Acrylonitrile	U		0.00194	0.0108	1	04/14/2018 18:52	WG1098127	
Benzene	U		0.000293	0.00108	1	04/14/2018 18:52	WG1098127	
Bromobenzene	U		0.000308	0.00108	1	04/14/2018 18:52	WG1098127	
Bromodichloromethane	U		0.000276	0.00108	1	04/14/2018 18:52	WG1098127	
Bromochloromethane	U		0.000423	0.00542	1	04/14/2018 18:52	WG1098127	
Bromoform	U		0.000460	0.00108	1	04/14/2018 18:52	WG1098127	
Bromomethane	U		0.00145	0.00542	1	04/14/2018 18:52	WG1098127	
n-Butylbenzene	U		0.000280	0.00108	1	04/14/2018 18:52	WG1098127	
sec-Butylbenzene	U		0.000218	0.00108	1	04/14/2018 18:52	WG1098127	
tert-Butylbenzene	U		0.000223	0.00108	1	04/14/2018 18:52	WG1098127	
Carbon disulfide	0.000247 J	J	0.000240	0.00108	1	04/14/2018 18:52	WG1098127	
Carbon tetrachloride	U		0.000356	0.00108	1	04/14/2018 18:52	WG1098127	
Chlorobenzene	U		0.000230	0.00108	1	04/14/2018 18:52	WG1098127	
Chlorodibromomethane	U		0.000405	0.00108	1	04/14/2018 18:52	WG1098127	
Chloroethane	U		0.00103	0.00542	1	04/14/2018 18:52	WG1098127	
Chloroform	U		0.000248	0.00542	1	04/14/2018 18:52	WG1098127	
Chloromethane	U		0.000407	0.00271	1	04/14/2018 18:52	WG1098127	
2-Chlorotoluene	U		0.000327	0.00108	1	04/14/2018 18:52	WG1098127	
4-Chlorotoluene	U		0.000260	0.00108	1	04/14/2018 18:52	WG1098127	
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	04/14/2018 18:52	WG1098127	
1,2-Dibromoethane	U		0.000372	0.00108	1	04/14/2018 18:52	WG1098127	
Dibromomethane	U		0.000414	0.00108	1	04/14/2018 18:52	WG1098127	
1,2-Dichlorobenzene	U		0.000331	0.00108	1	04/14/2018 18:52	WG1098127	
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/14/2018 18:52	WG1098127	
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/14/2018 18:52	WG1098127	
Dichlorodifluoromethane	U		0.000773	0.00542	1	04/14/2018 18:52	WG1098127	
1,1-Dichloroethane	U		0.000216	0.00108	1	04/14/2018 18:52	WG1098127	JC 5/9/18
1,2-Dichloroethane	U		0.000287	0.00108	1	04/14/2018 18:52	WG1098127	
1,1-Dichloroethene	U		0.000329	0.00108	1	04/14/2018 18:52	WG1098127	
cis-1,2-Dichloroethene	U		0.000255	0.00108	1	04/14/2018 18:52	WG1098127	
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/14/2018 18:52	WG1098127	
1,2-Dichloropropane	U		0.000388	0.00108	1	04/14/2018 18:52	WG1098127	
1,1-Dichloropropene	U		0.000344	0.00108	1	04/14/2018 18:52	WG1098127	
1,3-Dichloropropane	U		0.000225	0.00108	1	04/14/2018 18:52	WG1098127	
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/14/2018 18:52	WG1098127	
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	04/14/2018 18:52	WG1098127	
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	04/14/2018 18:52	WG1098127	
2,2-Dichloropropane	U		0.000303	0.00108	1	04/14/2018 18:52	WG1098127	
Di-isopropyl ether	U		0.000269	0.00108	1	04/14/2018 18:52	WG1098127	
Ethylbenzene	U		0.000322	0.00108	1	04/14/2018 18:52	WG1098127	
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	04/14/2018 18:52	WG1098127	
2-Hexanone	U		0.00149	0.0108	1	04/14/2018 18:52	WG1098127	
n-Hexane	U		0.000315	0.0108	1	04/14/2018 18:52	WG1098127	
Iodomethane	U		0.00274	0.0108	1	04/14/2018 18:52	WG1098127	
Isopropylbenzene	U		0.000264	0.00108	1	04/14/2018 18:52	WG1098127	
p-Isopropyltoluene	U		0.000221	0.00108	1	04/14/2018 18:52	WG1098127	
2-Butanone (MEK)	U		0.00508	0.0108	1	04/14/2018 18:52	WG1098127	
Methylene Chloride	U		0.00108	0.00542	1	04/14/2018 18:52	WG1098127	
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/14/2018 18:52	WG1098127	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00108	1	04/14/2018 18:52	WG1098127
Naphthalene	U		0.00108	0.00542	1	04/14/2018 18:52	WG1098127
n-Propylbenzene	U		0.000223	0.00108	1	04/14/2018 18:52	WG1098127
Styrene	U		0.000254	0.00108	1	04/14/2018 18:52	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/14/2018 18:52	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	04/14/2018 18:52	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	04/14/2018 18:52	WG1098127
Tetrachloroethene	0.00188		0.000299	0.00108	1	04/14/2018 18:52	WG1098127
Toluene	U		0.000471	0.00542	1	04/14/2018 18:52	WG1098127
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	04/14/2018 18:52	WG1098127
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	04/14/2018 18:52	WG1098127
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/14/2018 18:52	WG1098127
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/14/2018 18:52	WG1098127
Trichloroethene	U		0.000303	0.00108	1	04/14/2018 18:52	WG1098127
Trichlorofluoromethane	U		0.000414	0.00542	1	04/14/2018 18:52	WG1098127
1,2,3-Trichloropropane	U		0.000804	0.00271	1	04/14/2018 18:52	WG1098127
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	04/14/2018 18:52	WG1098127
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/14/2018 18:52	WG1098127
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	04/14/2018 18:52	WG1098127
Vinyl acetate	U		0.00259	0.0108	1	04/14/2018 18:52	WG1098127
Vinyl chloride	U		0.000316	0.00108	1	04/14/2018 18:52	WG1098127
Xylenes, Total	U		0.000757	0.00325	1	04/14/2018 18:52	WG1098127
(S) Toluene-d8	*101*			*80.0-120*		*04/14/2018 18:52*	WG1098127
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/14/2018 18:52*	WG1098127
(S) 4-Bromofluorobenzene	*94.2*			*64.0-132*		*04/14/2018 18:52*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0112	0.0561	1	04/14/2018 19:14	WG1098127	
Acrylonitrile	U		0.00201	0.0112	1	04/14/2018 19:14	WG1098127	
Benzene	U		0.000303	0.00112	1	04/14/2018 19:14	WG1098127	
Bromobenzene	U		0.000319	0.00112	1	04/14/2018 19:14	WG1098127	
Bromodichloromethane	U		0.000285	0.00112	1	04/14/2018 19:14	WG1098127	
Bromochloromethane	U		0.000438	0.00561	1	04/14/2018 19:14	WG1098127	
Bromoform	U		0.000476	0.00112	1	04/14/2018 19:14	WG1098127	
Bromomethane	U		0.00150	0.00561	1	04/14/2018 19:14	WG1098127	
n-Butylbenzene	U		0.000290	0.00112	1	04/14/2018 19:14	WG1098127	
sec-Butylbenzene	U		0.000226	0.00112	1	04/14/2018 19:14	WG1098127	
tert-Butylbenzene	U		0.000231	0.00112	1	04/14/2018 19:14	WG1098127	
Carbon disulfide	U		0.000248	0.00112	1	04/14/2018 19:14	WG1098127	
Carbon tetrachloride	U		0.000368	0.00112	1	04/14/2018 19:14	WG1098127	
Chlorobenzene	U		0.000238	0.00112	1	04/14/2018 19:14	WG1098127	
Chlorodibromomethane	U		0.000419	0.00112	1	04/14/2018 19:14	WG1098127	
Chloroethane	U		0.00106	0.00561	1	04/14/2018 19:14	WG1098127	
Chloroform	U		0.000257	0.00561	1	04/14/2018 19:14	WG1098127	
Chloromethane	U		0.000421	0.00281	1	04/14/2018 19:14	WG1098127	
2-Chlorotoluene	U		0.000338	0.00112	1	04/14/2018 19:14	WG1098127	
4-Chlorotoluene	U		0.000269	0.00112	1	04/14/2018 19:14	WG1098127	
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	04/14/2018 19:14	WG1098127	
1,2-Dibromoethane	U		0.000385	0.00112	1	04/14/2018 19:14	WG1098127	
Dibromomethane	U		0.000429	0.00112	1	04/14/2018 19:14	WG1098127	
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/14/2018 19:14	WG1098127	
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/14/2018 19:14	WG1098127	
1,4-Dichlorobenzene	U		0.000254	0.00112	1	04/14/2018 19:14	WG1098127	
Dichlorodifluoromethane	U		0.000801	0.00561	1	04/14/2018 19:14	WG1098127	
1,1-Dichloroethane	U		0.000223	0.00112	1	04/14/2018 19:14	WG1098127	
1,2-Dichloroethane	U		0.000298	0.00112	1	04/14/2018 19:14	WG1098127	
1,1-Dichloroethene	U		0.000340	0.00112	1	04/14/2018 19:14	WG1098127	
cis-1,2-Dichloroethene	0.00364		0.000264	0.00112	1	04/14/2018 19:14	WG1098127	JC 5/9/18
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/14/2018 19:14	WG1098127	
1,2-Dichloropropane	U		0.000402	0.00112	1	04/14/2018 19:14	WG1098127	
1,1-Dichloropropene	U		0.000356	0.00112	1	04/14/2018 19:14	WG1098127	
1,3-Dichloropropane	U		0.000232	0.00112	1	04/14/2018 19:14	WG1098127	
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/14/2018 19:14	WG1098127	
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	04/14/2018 19:14	WG1098127	
trans-1,4-Dichloro-2-butene	U		0.000874	0.00281	1	04/14/2018 19:14	WG1098127	
2,2-Dichloropropane	U		0.000313	0.00112	1	04/14/2018 19:14	WG1098127	
Di-isopropyl ether	U		0.000278	0.00112	1	04/14/2018 19:14	WG1098127	
Ethylbenzene	U		0.000334	0.00112	1	04/14/2018 19:14	WG1098127	
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/14/2018 19:14	WG1098127	
2-Hexanone	U		0.00154	0.0112	1	04/14/2018 19:14	WG1098127	
n-Hexane	0.000376	J J	0.000326	0.0112	1	04/14/2018 19:14	WG1098127	
Iodomethane	U		0.00284	0.0112	1	04/14/2018 19:14	WG1098127	
Isopropylbenzene	U		0.000273	0.00112	1	04/14/2018 19:14	WG1098127	
p-Isopropyltoluene	U		0.000229	0.00112	1	04/14/2018 19:14	WG1098127	
2-Butanone (MEK)	U		0.00526	0.0112	1	04/14/2018 19:14	WG1098127	
Methylene Chloride	U		0.00112	0.00561	1	04/14/2018 19:14	WG1098127	
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/14/2018 19:14	WG1098127	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/14/2018 19:14	WG1098127
Naphthalene	U		0.00112	0.00561	1	04/14/2018 19:14	WG1098127
n-Propylbenzene	U		0.000231	0.00112	1	04/14/2018 19:14	WG1098127
Styrene	U		0.000263	0.00112	1	04/14/2018 19:14	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/14/2018 19:14	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	04/14/2018 19:14	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	04/14/2018 19:14	WG1098127
Tetrachloroethene	U		0.000310	0.00112	1	04/14/2018 19:14	WG1098127
Toluene	U		0.000487	0.00561	1	04/14/2018 19:14	WG1098127
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	04/14/2018 19:14	WG1098127
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	04/14/2018 19:14	WG1098127
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/14/2018 19:14	WG1098127
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/14/2018 19:14	WG1098127
Trichloroethene	U		0.000313	0.00112	1	04/14/2018 19:14	WG1098127
Trichlorofluoromethane	U		0.000429	0.00561	1	04/14/2018 19:14	WG1098127
1,2,3-Trichloropropane	U		0.000832	0.00281	1	04/14/2018 19:14	WG1098127
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/14/2018 19:14	WG1098127
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/14/2018 19:14	WG1098127
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	04/14/2018 19:14	WG1098127
Vinyl acetate	U		0.00268	0.0112	1	04/14/2018 19:14	WG1098127
Vinyl chloride	0.0144		0.000327	0.00112	1	04/14/2018 19:14	WG1098127
Xylenes, Total	U		0.000784	0.00337	1	04/14/2018 19:14	WG1098127
(S) Toluene-d8	*101*			*80.0-120*		*04/14/2018 19:14*	WG1098127
(S) Dibromofluoromethane	*104*			*74.0-131*		*04/14/2018 19:14*	WG1098127
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*04/14/2018 19:14*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0109	0.0543	1	04/14/2018 19:35	WG1098127	
Acrylonitrile	U		0.00194	0.0109	1	04/14/2018 19:35	WG1098127	
Benzene	U		0.000293	0.00109	1	04/14/2018 19:35	WG1098127	
Bromobenzene	U		0.000309	0.00109	1	04/14/2018 19:35	WG1098127	
Bromodichloromethane	U		0.000276	0.00109	1	04/14/2018 19:35	WG1098127	
Bromochloromethane	U		0.000424	0.00543	1	04/14/2018 19:35	WG1098127	
Bromoform	U		0.000461	0.00109	1	04/14/2018 19:35	WG1098127	
Bromomethane	U		0.00146	0.00543	1	04/14/2018 19:35	WG1098127	
n-Butylbenzene	U		0.000280	0.00109	1	04/14/2018 19:35	WG1098127	
sec-Butylbenzene	U		0.000218	0.00109	1	04/14/2018 19:35	WG1098127	
tert-Butylbenzene	U		0.000224	0.00109	1	04/14/2018 19:35	WG1098127	
Carbon disulfide	0.000261	J J	0.000240	0.00109	1	04/14/2018 19:35	WG1098127	
Carbon tetrachloride	U		0.000356	0.00109	1	04/14/2018 19:35	WG1098127	
Chlorobenzene	U		0.000230	0.00109	1	04/14/2018 19:35	WG1098127	
Chlorodibromomethane	U		0.000405	0.00109	1	04/14/2018 19:35	WG1098127	
Chloroethane	U		0.00103	0.00543	1	04/14/2018 19:35	WG1098127	
Chloroform	U		0.000249	0.00543	1	04/14/2018 19:35	WG1098127	
Chloromethane	U		0.000407	0.00272	1	04/14/2018 19:35	WG1098127	
2-Chlorotoluene	U		0.000327	0.00109	1	04/14/2018 19:35	WG1098127	
4-Chlorotoluene	U		0.000261	0.00109	1	04/14/2018 19:35	WG1098127	
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	04/14/2018 19:35	WG1098127	
1,2-Dibromoethane	U		0.000373	0.00109	1	04/14/2018 19:35	WG1098127	
Dibromomethane	U		0.000415	0.00109	1	04/14/2018 19:35	WG1098127	
1,2-Dichlorobenzene	U		0.000331	0.00109	1	04/14/2018 19:35	WG1098127	
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/14/2018 19:35	WG1098127	
1,4-Dichlorobenzene	U		0.000246	0.00109	1	04/14/2018 19:35	WG1098127	JC 5/9/18
Dichlorodifluoromethane	U		0.000775	0.00543	1	04/14/2018 19:35	WG1098127	
1,1-Dichloroethane	U		0.000216	0.00109	1	04/14/2018 19:35	WG1098127	
1,2-Dichloroethane	U		0.000288	0.00109	1	04/14/2018 19:35	WG1098127	
1,1-Dichloroethene	U		0.000329	0.00109	1	04/14/2018 19:35	WG1098127	
cis-1,2-Dichloroethene	0.00113		0.000255	0.00109	1	04/14/2018 19:35	WG1098127	
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/14/2018 19:35	WG1098127	
1,2-Dichloropropane	U		0.000389	0.00109	1	04/14/2018 19:35	WG1098127	
1,1-Dichloropropene	U		0.000344	0.00109	1	04/14/2018 19:35	WG1098127	
1,3-Dichloropropane	U		0.000225	0.00109	1	04/14/2018 19:35	WG1098127	
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/14/2018 19:35	WG1098127	
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	04/14/2018 19:35	WG1098127	
trans-1,4-Dichloro-2-butene	U		0.000845	0.00272	1	04/14/2018 19:35	WG1098127	
2,2-Dichloropropane	U		0.000303	0.00109	1	04/14/2018 19:35	WG1098127	
Di-isopropyl ether	U		0.000269	0.00109	1	04/14/2018 19:35	WG1098127	
Ethylbenzene	U		0.000323	0.00109	1	04/14/2018 19:35	WG1098127	
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	04/14/2018 19:35	WG1098127	
2-Hexanone	U		0.00149	0.0109	1	04/14/2018 19:35	WG1098127	
n-Hexane	U		0.000315	0.0109	1	04/14/2018 19:35	WG1098127	
Iodomethane	U		0.00275	0.0109	1	04/14/2018 19:35	WG1098127	
Isopropylbenzene	U		0.000264	0.00109	1	04/14/2018 19:35	WG1098127	
p-Isopropyltoluene	U		0.000222	0.00109	1	04/14/2018 19:35	WG1098127	
2-Butanone (MEK)	U		0.00508	0.0109	1	04/14/2018 19:35	WG1098127	
Methylene Chloride	U		0.00109	0.00543	1	04/14/2018 19:35	WG1098127	
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	04/14/2018 19:35	WG1098127	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000230	0.00109	1	04/14/2018 19:35	WG1098127
Naphthalene	U		0.00109	0.00543	1	04/14/2018 19:35	WG1098127
n-Propylbenzene	U		0.000224	0.00109	1	04/14/2018 19:35	WG1098127
Styrene	U		0.000254	0.00109	1	04/14/2018 19:35	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/14/2018 19:35	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/14/2018 19:35	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/14/2018 19:35	WG1098127
Tetrachloroethene	0.000801 J	J	0.000300	0.00109	1	04/14/2018 19:35	WG1098127
Toluene	U		0.000471	0.00543	1	04/14/2018 19:35	WG1098127
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	04/14/2018 19:35	WG1098127
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	04/14/2018 19:35	WG1098127
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/14/2018 19:35	WG1098127
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/14/2018 19:35	WG1098127
Trichloroethene	0.000551 J	J	0.000303	0.00109	1	04/14/2018 19:35	WG1098127
Trichlorofluoromethane	U		0.000415	0.00543	1	04/14/2018 19:35	WG1098127
1,2,3-Trichloropropane	U		0.000805	0.00272	1	04/14/2018 19:35	WG1098127
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	04/14/2018 19:35	WG1098127
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/14/2018 19:35	WG1098127
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/14/2018 19:35	WG1098127
Vinyl acetate	U		0.00260	0.0109	1	04/14/2018 19:35	WG1098127
Vinyl chloride	U		0.000316	0.00109	1	04/14/2018 19:35	WG1098127
Xylenes, Total	U		0.000758	0.00326	1	04/14/2018 19:35	WG1098127
(S) Toluene-d8	*98.5*			*80.0-120*		*04/14/2018 19:35*	WG1098127
(S) Dibromofluoromethane	*102*			*74.0-131*		*04/14/2018 19:35*	WG1098127
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*04/14/2018 19:35*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0551	1	04/14/2018 19:56	WG1098127
Acrylonitrile	U		0.00197	0.0110	1	04/14/2018 19:56	WG1098127
Benzene	U		0.000298	0.00110	1	04/14/2018 19:56	WG1098127
Bromobenzene	U		0.000313	0.00110	1	04/14/2018 19:56	WG1098127
Bromodichloromethane	U		0.000280	0.00110	1	04/14/2018 19:56	WG1098127
Bromochloromethane	U		0.000430	0.00551	1	04/14/2018 19:56	WG1098127
Bromoform	U		0.000468	0.00110	1	04/14/2018 19:56	WG1098127
Bromomethane	U		0.00148	0.00551	1	04/14/2018 19:56	WG1098127
n-Butylbenzene	U		0.000285	0.00110	1	04/14/2018 19:56	WG1098127
sec-Butylbenzene	U		0.000222	0.00110	1	04/14/2018 19:56	WG1098127
tert-Butylbenzene	U		0.000227	0.00110	1	04/14/2018 19:56	WG1098127
Carbon disulfide	0.000256 J	J	0.000244	0.00110	1	04/14/2018 19:56	WG1098127
Carbon tetrachloride	U		0.000362	0.00110	1	04/14/2018 19:56	WG1098127
Chlorobenzene	U		0.000234	0.00110	1	04/14/2018 19:56	WG1098127
Chlorodibromomethane	U		0.000411	0.00110	1	04/14/2018 19:56	WG1098127
Chloroethane	U		0.00104	0.00551	1	04/14/2018 19:56	WG1098127
Chloroform	U		0.000253	0.00551	1	04/14/2018 19:56	WG1098127
Chloromethane	U		0.000414	0.00276	1	04/14/2018 19:56	WG1098127
2-Chlorotoluene	U		0.000332	0.00110	1	04/14/2018 19:56	WG1098127
4-Chlorotoluene	U		0.000265	0.00110	1	04/14/2018 19:56	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/14/2018 19:56	WG1098127
1,2-Dibromoethane	U		0.000378	0.00110	1	04/14/2018 19:56	WG1098127
Dibromomethane	U		0.000421	0.00110	1	04/14/2018 19:56	WG1098127
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/14/2018 19:56	WG1098127
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/14/2018 19:56	WG1098127
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/14/2018 19:56	WG1098127
Dichlorodifluoromethane	U		0.000786	0.00551	1	04/14/2018 19:56	WG1098127
1,1-Dichloroethane	U		0.000219	0.00110	1	04/14/2018 19:56	WG1098127
1,2-Dichloroethane	U		0.000292	0.00110	1	04/14/2018 19:56	WG1098127
1,1-Dichloroethene	U		0.000334	0.00110	1	04/14/2018 19:56	WG1098127
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	04/14/2018 19:56	WG1098127
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/14/2018 19:56	WG1098127
1,2-Dichloropropane	U		0.000395	0.00110	1	04/14/2018 19:56	WG1098127
1,1-Dichloropropene	U		0.000350	0.00110	1	04/14/2018 19:56	WG1098127
1,3-Dichloropropane	U		0.000228	0.00110	1	04/14/2018 19:56	WG1098127
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/14/2018 19:56	WG1098127
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/14/2018 19:56	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	04/14/2018 19:56	WG1098127
2,2-Dichloropropane	U		0.000308	0.00110	1	04/14/2018 19:56	WG1098127
Di-isopropyl ether	U		0.000274	0.00110	1	04/14/2018 19:56	WG1098127
Ethylbenzene	U		0.000328	0.00110	1	04/14/2018 19:56	WG1098127
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/14/2018 19:56	WG1098127
2-Hexanone	U		0.00151	0.0110	1	04/14/2018 19:56	WG1098127
n-Hexane	U		0.000320	0.0110	1	04/14/2018 19:56	WG1098127
Iodomethane	U		0.00279	0.0110	1	04/14/2018 19:56	WG1098127
Isopropylbenzene	U		0.000268	0.00110	1	04/14/2018 19:56	WG1098127
p-Isopropyltoluene	U		0.000225	0.00110	1	04/14/2018 19:56	WG1098127
2-Butanone (MEK)	U		0.00516	0.0110	1	04/14/2018 19:56	WG1098127
Methylene Chloride	U		0.00110	0.00551	1	04/14/2018 19:56	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/14/2018 19:56	WG1098127

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/14/2018 19:56	WG1098127
Naphthalene	U		0.00110	0.00551	1	04/14/2018 19:56	WG1098127
n-Propylbenzene	U		0.000227	0.00110	1	04/14/2018 19:56	WG1098127
Styrene	U		0.000258	0.00110	1	04/14/2018 19:56	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/14/2018 19:56	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/14/2018 19:56	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/14/2018 19:56	WG1098127
Tetrachloroethene	U		0.000304	0.00110	1	04/14/2018 19:56	WG1098127
Toluene	U		0.000479	0.00551	1	04/14/2018 19:56	WG1098127
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/14/2018 19:56	WG1098127
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/14/2018 19:56	WG1098127
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/14/2018 19:56	WG1098127
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/14/2018 19:56	WG1098127
Trichloroethene	U		0.000308	0.00110	1	04/14/2018 19:56	WG1098127
Trichlorofluoromethane	U		0.000421	0.00551	1	04/14/2018 19:56	WG1098127
1,2,3-Trichloropropane	U		0.000817	0.00276	1	04/14/2018 19:56	WG1098127
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/14/2018 19:56	WG1098127
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/14/2018 19:56	WG1098127
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/14/2018 19:56	WG1098127
Vinyl acetate	U		0.00264	0.0110	1	04/14/2018 19:56	WG1098127
Vinyl chloride	U		0.000321	0.00110	1	04/14/2018 19:56	WG1098127
Xylenes, Total	U		0.000770	0.00331	1	04/14/2018 19:56	WG1098127
(S) Toluene-d8	*102*			*80.0-120*		*04/14/2018 19:56*	WG1098127
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*04/14/2018 19:56*	WG1098127
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*04/14/2018 19:56*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.2		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0126	0.0631	1	04/14/2018 20:18	WG1098127
Acrylonitrile	U		0.00226	0.0126	1	04/14/2018 20:18	WG1098127
Benzene	U		0.000341	0.00126	1	04/14/2018 20:18	WG1098127
Bromobenzene	U		0.000358	0.00126	1	04/14/2018 20:18	WG1098127
Bromodichloromethane	U		0.000321	0.00126	1	04/14/2018 20:18	WG1098127
Bromochloromethane	U		0.000492	0.00631	1	04/14/2018 20:18	WG1098127
Bromoform	U		0.000535	0.00126	1	04/14/2018 20:18	WG1098127
Bromomethane	U		0.00169	0.00631	1	04/14/2018 20:18	WG1098127
n-Butylbenzene	U		0.000326	0.00126	1	04/14/2018 20:18	WG1098127
sec-Butylbenzene	U		0.000254	0.00126	1	04/14/2018 20:18	WG1098127
tert-Butylbenzene	U		0.000260	0.00126	1	04/14/2018 20:18	WG1098127
Carbon disulfide	U		0.000279	0.00126	1	04/14/2018 20:18	WG1098127
Carbon tetrachloride	U		0.000414	0.00126	1	04/14/2018 20:18	WG1098127
Chlorobenzene	U		0.000268	0.00126	1	04/14/2018 20:18	WG1098127
Chlorodibromomethane	U		0.000471	0.00126	1	04/14/2018 20:18	WG1098127
Chloroethane	U		0.00119	0.00631	1	04/14/2018 20:18	WG1098127
Chloroform	U		0.000289	0.00631	1	04/14/2018 20:18	WG1098127
Chloromethane	U		0.000473	0.00315	1	04/14/2018 20:18	WG1098127
2-Chlorotoluene	U		0.000380	0.00126	1	04/14/2018 20:18	WG1098127
4-Chlorotoluene	U		0.000303	0.00126	1	04/14/2018 20:18	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00132	0.00631	1	04/14/2018 20:18	WG1098127
1,2-Dibromoethane	U		0.000433	0.00126	1	04/14/2018 20:18	WG1098127
Dibromomethane	U		0.000482	0.00126	1	04/14/2018 20:18	WG1098127
1,2-Dichlorobenzene	U		0.000385	0.00126	1	04/14/2018 20:18	WG1098127
1,3-Dichlorobenzene	U		0.000302	0.00126	1	04/14/2018 20:18	WG1098127
1,4-Dichlorobenzene	U		0.000285	0.00126	1	04/14/2018 20:18	WG1098127
Dichlorodifluoromethane	U		0.000900	0.00631	1	04/14/2018 20:18	WG1098127
1,1-Dichloroethane	U		0.000251	0.00126	1	04/14/2018 20:18	WG1098127
1,2-Dichloroethane	U		0.000334	0.00126	1	04/14/2018 20:18	WG1098127
1,1-Dichloroethene	U		0.000382	0.00126	1	04/14/2018 20:18	WG1098127
cis-1,2-Dichloroethene	U		0.000297	0.00126	1	04/14/2018 20:18	WG1098127
trans-1,2-Dichloroethene	U		0.000333	0.00126	1	04/14/2018 20:18	WG1098127
1,2-Dichloropropane	U		0.000452	0.00126	1	04/14/2018 20:18	WG1098127
1,1-Dichloropropene	U		0.000400	0.00126	1	04/14/2018 20:18	WG1098127
1,3-Dichloropropane	U		0.000261	0.00126	1	04/14/2018 20:18	WG1098127
cis-1,3-Dichloropropene	U		0.000331	0.00126	1	04/14/2018 20:18	WG1098127
trans-1,3-Dichloropropene	U		0.000337	0.00126	1	04/14/2018 20:18	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000982	0.00315	1	04/14/2018 20:18	WG1098127
2,2-Dichloropropane	U		0.000352	0.00126	1	04/14/2018 20:18	WG1098127
Di-isopropyl ether	U		0.000313	0.00126	1	04/14/2018 20:18	WG1098127
Ethylbenzene	U		0.000375	0.00126	1	04/14/2018 20:18	WG1098127
Hexachloro-1,3-butadiene	U		0.000432	0.00126	1	04/14/2018 20:18	WG1098127
2-Hexanone	U		0.00173	0.0126	1	04/14/2018 20:18	WG1098127
n-Hexane	U		0.000366	0.0126	1	04/14/2018 20:18	WG1098127
Iodomethane	U		0.00319	0.0126	1	04/14/2018 20:18	WG1098127
Isopropylbenzene	U		0.000307	0.00126	1	04/14/2018 20:18	WG1098127
p-Isopropyltoluene	U		0.000257	0.00126	1	04/14/2018 20:18	WG1098127
2-Butanone (MEK)	U		0.00591	0.0126	1	04/14/2018 20:18	WG1098127
Methylene Chloride	U		0.00126	0.00631	1	04/14/2018 20:18	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00237	0.0126	1	04/14/2018 20:18	WG1098127

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000268	0.00126	1	04/14/2018 20:18	WG1098127
Naphthalene	U		0.00126	0.00631	1	04/14/2018 20:18	WG1098127
n-Propylbenzene	U		0.000260	0.00126	1	04/14/2018 20:18	WG1098127
Styrene	U		0.000295	0.00126	1	04/14/2018 20:18	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000333	0.00126	1	04/14/2018 20:18	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000461	0.00126	1	04/14/2018 20:18	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000461	0.00126	1	04/14/2018 20:18	WG1098127
Tetrachloroethene	U		0.000348	0.00126	1	04/14/2018 20:18	WG1098127
Toluene	U		0.000548	0.00631	1	04/14/2018 20:18	WG1098127
1,2,3-Trichlorobenzene	U		0.000386	0.00126	1	04/14/2018 20:18	WG1098127
1,2,4-Trichlorobenzene	U		0.000490	0.00126	1	04/14/2018 20:18	WG1098127
1,1,1-Trichloroethane	U		0.000361	0.00126	1	04/14/2018 20:18	WG1098127
1,1,2-Trichloroethane	U		0.000350	0.00126	1	04/14/2018 20:18	WG1098127
Trichloroethene	U		0.000352	0.00126	1	04/14/2018 20:18	WG1098127
Trichlorofluoromethane	U		0.000482	0.00631	1	04/14/2018 20:18	WG1098127
1,2,3-Trichloropropane	U		0.000935	0.00315	1	04/14/2018 20:18	WG1098127
1,2,4-Trimethylbenzene	U		0.000266	0.00126	1	04/14/2018 20:18	WG1098127
1,2,3-Trimethylbenzene	U		0.000362	0.00126	1	04/14/2018 20:18	WG1098127
1,3,5-Trimethylbenzene	U		0.000336	0.00126	1	04/14/2018 20:18	WG1098127
Vinyl acetate	U		0.00302	0.0126	1	04/14/2018 20:18	WG1098127
Vinyl chloride	U		0.000367	0.00126	1	04/14/2018 20:18	WG1098127
Xylenes, Total	U		0.000881	0.00379	1	04/14/2018 20:18	WG1098127
(S) Toluene-d8	*101*			*80.0-120*		*04/14/2018 20:18*	WG1098127
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/14/2018 20:18*	WG1098127
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*04/14/2018 20:18*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.4		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0198 J	J	0.0126	0.0630	1	04/14/2018 20:40	WG1098127
Acrylonitrile	U		0.00226	0.0126	1	04/14/2018 20:40	WG1098127
Benzene	U		0.000340	0.00126	1	04/14/2018 20:40	WG1098127
Bromobenzene	U		0.000358	0.00126	1	04/14/2018 20:40	WG1098127
Bromodichloromethane	U		0.000320	0.00126	1	04/14/2018 20:40	WG1098127
Bromochloromethane	U		0.000491	0.00630	1	04/14/2018 20:40	WG1098127
Bromoform	U		0.000534	0.00126	1	04/14/2018 20:40	WG1098127
Bromomethane	U		0.00169	0.00630	1	04/14/2018 20:40	WG1098127
n-Butylbenzene	U		0.000325	0.00126	1	04/14/2018 20:40	WG1098127
sec-Butylbenzene	U		0.000253	0.00126	1	04/14/2018 20:40	WG1098127
tert-Butylbenzene	U		0.000260	0.00126	1	04/14/2018 20:40	WG1098127
Carbon disulfide	0.000395 J	J	0.000278	0.00126	1	04/14/2018 20:40	WG1098127
Carbon tetrachloride	U		0.000413	0.00126	1	04/14/2018 20:40	WG1098127
Chlorobenzene	U		0.000267	0.00126	1	04/14/2018 20:40	WG1098127
Chlorodibromomethane	U		0.000470	0.00126	1	04/14/2018 20:40	WG1098127
Chloroethane	U		0.00119	0.00630	1	04/14/2018 20:40	WG1098127
Chloroform	U		0.000289	0.00630	1	04/14/2018 20:40	WG1098127
Chloromethane	U		0.000473	0.00315	1	04/14/2018 20:40	WG1098127
2-Chlorotoluene	U		0.000379	0.00126	1	04/14/2018 20:40	WG1098127
4-Chlorotoluene	U		0.000302	0.00126	1	04/14/2018 20:40	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00132	0.00630	1	04/14/2018 20:40	WG1098127
1,2-Dibromoethane	U		0.000432	0.00126	1	04/14/2018 20:40	WG1098127
Dibromomethane	U		0.000481	0.00126	1	04/14/2018 20:40	WG1098127
1,2-Dichlorobenzene	U		0.000384	0.00126	1	04/14/2018 20:40	WG1098127
1,3-Dichlorobenzene	U		0.000301	0.00126	1	04/14/2018 20:40	WG1098127
1,4-Dichlorobenzene	U		0.000285	0.00126	1	04/14/2018 20:40	WG1098127
Dichlorodifluoromethane	U		0.000898	0.00630	1	04/14/2018 20:40	WG1098127
1,1-Dichloroethane	U		0.000251	0.00126	1	04/14/2018 20:40	WG1098127
1,2-Dichloroethane	U		0.000334	0.00126	1	04/14/2018 20:40	WG1098127
1,1-Dichloroethene	U		0.000382	0.00126	1	04/14/2018 20:40	WG1098127
cis-1,2-Dichloroethene	0.000380 J	J	0.000296	0.00126	1	04/14/2018 20:40	WG1098127
trans-1,2-Dichloroethene	U		0.000333	0.00126	1	04/14/2018 20:40	WG1098127
1,2-Dichloropropane	U		0.000451	0.00126	1	04/14/2018 20:40	WG1098127
1,1-Dichloropropene	U		0.000399	0.00126	1	04/14/2018 20:40	WG1098127
1,3-Dichloropropane	U		0.000261	0.00126	1	04/14/2018 20:40	WG1098127
cis-1,3-Dichloropropene	U		0.000330	0.00126	1	04/14/2018 20:40	WG1098127
trans-1,3-Dichloropropene	U		0.000336	0.00126	1	04/14/2018 20:40	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000980	0.00315	1	04/14/2018 20:40	WG1098127
2,2-Dichloropropane	U		0.000352	0.00126	1	04/14/2018 20:40	WG1098127
Di-isopropyl ether	U		0.000313	0.00126	1	04/14/2018 20:40	WG1098127
Ethylbenzene	U		0.000374	0.00126	1	04/14/2018 20:40	WG1098127
Hexachloro-1,3-butadiene	U		0.000431	0.00126	1	04/14/2018 20:40	WG1098127
2-Hexanone	U		0.00173	0.0126	1	04/14/2018 20:40	WG1098127
n-Hexane	0.00557 J	J	0.000365	0.0126	1	04/14/2018 20:40	WG1098127
Iodomethane	U		0.00319	0.0126	1	04/14/2018 20:40	WG1098127
Isopropylbenzene	U		0.000306	0.00126	1	04/14/2018 20:40	WG1098127
p-Isopropyltoluene	U		0.000257	0.00126	1	04/14/2018 20:40	WG1098127
2-Butanone (MEK)	U		0.00590	0.0126	1	04/14/2018 20:40	WG1098127
Methylene Chloride	U		0.00126	0.00630	1	04/14/2018 20:40	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00237	0.0126	1	04/14/2018 20:40	WG1098127

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000267	0.00126	1	04/14/2018 20:40	WG1098127
Naphthalene	U		0.00126	0.00630	1	04/14/2018 20:40	WG1098127
n-Propylbenzene	U		0.000260	0.00126	1	04/14/2018 20:40	WG1098127
Styrene	U		0.000295	0.00126	1	04/14/2018 20:40	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000333	0.00126	1	04/14/2018 20:40	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000460	0.00126	1	04/14/2018 20:40	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000460	0.00126	1	04/14/2018 20:40	WG1098127
Tetrachloroethene	0.000618 J	J	0.000348	0.00126	1	04/14/2018 20:40	WG1098127
Toluene	U		0.000547	0.00630	1	04/14/2018 20:40	WG1098127
1,2,3-Trichlorobenzene	U		0.000386	0.00126	1	04/14/2018 20:40	WG1098127
1,2,4-Trichlorobenzene	U		0.000489	0.00126	1	04/14/2018 20:40	WG1098127
1,1,1-Trichloroethane	U		0.000360	0.00126	1	04/14/2018 20:40	WG1098127
1,1,2-Trichloroethane	U		0.000349	0.00126	1	04/14/2018 20:40	WG1098127
Trichloroethene	U		0.000352	0.00126	1	04/14/2018 20:40	WG1098127
Trichlorofluoromethane	U		0.000481	0.00630	1	04/14/2018 20:40	WG1098127
1,2,3-Trichloropropane	U		0.000934	0.00315	1	04/14/2018 20:40	WG1098127
1,2,4-Trimethylbenzene	U		0.000266	0.00126	1	04/14/2018 20:40	WG1098127
1,2,3-Trimethylbenzene	U		0.000362	0.00126	1	04/14/2018 20:40	WG1098127
1,3,5-Trimethylbenzene	U		0.000335	0.00126	1	04/14/2018 20:40	WG1098127
Vinyl acetate	U		0.00301	0.0126	1	04/14/2018 20:40	WG1098127
Vinyl chloride	U		0.000367	0.00126	1	04/14/2018 20:40	WG1098127
Xylenes, Total	U		0.000880	0.00378	1	04/14/2018 20:40	WG1098127
(S) Toluene-d8	*102*			*80.0-120*		*04/14/2018 20:40*	WG1098127
(S) Dibromofluoromethane	*103*			*74.0-131*		*04/14/2018 20:40*	WG1098127
(S) 4-Bromofluorobenzene	*96.6*			*64.0-132*		*04/14/2018 20:40*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0118 J	J	0.0118	0.0588	1	04/14/2018 21:21	WG1098127	
Acrylonitrile	U		0.00210	0.0118	1	04/14/2018 21:21	WG1098127	
Benzene	U		0.000317	0.00118	1	04/14/2018 21:21	WG1098127	
Bromobenzene	U		0.000334	0.00118	1	04/14/2018 21:21	WG1098127	
Bromodichloromethane	U		0.000298	0.00118	1	04/14/2018 21:21	WG1098127	
Bromochloromethane	U		0.000458	0.00588	1	04/14/2018 21:21	WG1098127	
Bromoform	U		0.000498	0.00118	1	04/14/2018 21:21	WG1098127	
Bromomethane	U		0.00157	0.00588	1	04/14/2018 21:21	WG1098127	
n-Butylbenzene	U		0.000303	0.00118	1	04/14/2018 21:21	WG1098127	
sec-Butylbenzene	U		0.000236	0.00118	1	04/14/2018 21:21	WG1098127	
tert-Butylbenzene	U		0.000242	0.00118	1	04/14/2018 21:21	WG1098127	
Carbon disulfide	U		0.000260	0.00118	1	04/14/2018 21:21	WG1098127	
Carbon tetrachloride	U		0.000385	0.00118	1	04/14/2018 21:21	WG1098127	
Chlorobenzene	U		0.000249	0.00118	1	04/14/2018 21:21	WG1098127	
Chlorodibromomethane	U		0.000438	0.00118	1	04/14/2018 21:21	WG1098127	
Chloroethane	U		0.00111	0.00588	1	04/14/2018 21:21	WG1098127	
Chloroform	U		0.000269	0.00588	1	04/14/2018 21:21	WG1098127	
Chloromethane	U		0.000441	0.00294	1	04/14/2018 21:21	WG1098127	
2-Chlorotoluene	U		0.000354	0.00118	1	04/14/2018 21:21	WG1098127	
4-Chlorotoluene	U		0.000282	0.00118	1	04/14/2018 21:21	WG1098127	
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00588	1	04/14/2018 21:21	WG1098127	
1,2-Dibromoethane	U		0.000403	0.00118	1	04/14/2018 21:21	WG1098127	
Dibromomethane	U		0.000449	0.00118	1	04/14/2018 21:21	WG1098127	
1,2-Dichlorobenzene	U		0.000358	0.00118	1	04/14/2018 21:21	WG1098127	
1,3-Dichlorobenzene	U		0.000281	0.00118	1	04/14/2018 21:21	WG1098127	
1,4-Dichlorobenzene	U		0.000266	0.00118	1	04/14/2018 21:21	WG1098127	
Dichlorodifluoromethane	U		0.000838	0.00588	1	04/14/2018 21:21	WG1098127	
1,1-Dichloroethane	U		0.000234	0.00118	1	04/14/2018 21:21	WG1098127	
1,2-Dichloroethane	U		0.000311	0.00118	1	04/14/2018 21:21	WG1098127	
1,1-Dichloroethene	U		0.000356	0.00118	1	04/14/2018 21:21	WG1098127	
cis-1,2-Dichloroethene	0.000314 J	J	0.000276	0.00118	1	04/14/2018 21:21	WG1098127	
trans-1,2-Dichloroethene	U		0.000310	0.00118	1	04/14/2018 21:21	WG1098127	
1,2-Dichloropropane	U		0.000421	0.00118	1	04/14/2018 21:21	WG1098127	
1,1-Dichloropropene	U		0.000373	0.00118	1	04/14/2018 21:21	WG1098127	
1,3-Dichloropropane	U		0.000243	0.00118	1	04/14/2018 21:21	WG1098127	
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	04/14/2018 21:21	WG1098127	
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	04/14/2018 21:21	WG1098127	
trans-1,4-Dichloro-2-butene	U		0.000914	0.00294	1	04/14/2018 21:21	WG1098127	
2,2-Dichloropropane	U		0.000328	0.00118	1	04/14/2018 21:21	WG1098127	
Di-isopropyl ether	U		0.000291	0.00118	1	04/14/2018 21:21	WG1098127	
Ethylbenzene	U		0.000349	0.00118	1	04/14/2018 21:21	WG1098127	JC 5/9/18
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	04/14/2018 21:21	WG1098127	
2-Hexanone	U		0.00161	0.0118	1	04/14/2018 21:21	WG1098127	
n-Hexane	0.00183 J	J	0.000341	0.0118	1	04/14/2018 21:21	WG1098127	
Iodomethane	U		0.00297	0.0118	1	04/14/2018 21:21	WG1098127	
Isopropylbenzene	U		0.000286	0.00118	1	04/14/2018 21:21	WG1098127	
p-Isopropyltoluene	U		0.000240	0.00118	1	04/14/2018 21:21	WG1098127	
2-Butanone (MEK)	U		0.00550	0.0118	1	04/14/2018 21:21	WG1098127	
Methylene Chloride	U		0.00118	0.00588	1	04/14/2018 21:21	WG1098127	
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	04/14/2018 21:21	WG1098127	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000249	0.00118	1	04/14/2018 21:21	WG1098127
Naphthalene	U		0.00118	0.00588	1	04/14/2018 21:21	WG1098127
n-Propylbenzene	U		0.000242	0.00118	1	04/14/2018 21:21	WG1098127
Styrene	U		0.000275	0.00118	1	04/14/2018 21:21	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000310	0.00118	1	04/14/2018 21:21	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000429	0.00118	1	04/14/2018 21:21	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00118	1	04/14/2018 21:21	WG1098127
Tetrachloroethene	0.000585 J	J	0.000324	0.00118	1	04/14/2018 21:21	WG1098127
Toluene	U		0.000510	0.00588	1	04/14/2018 21:21	WG1098127
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1	04/14/2018 21:21	WG1098127
1,2,4-Trichlorobenzene	U		0.000456	0.00118	1	04/14/2018 21:21	WG1098127
1,1,1-Trichloroethane	U		0.000336	0.00118	1	04/14/2018 21:21	WG1098127
1,1,2-Trichloroethane	U		0.000326	0.00118	1	04/14/2018 21:21	WG1098127
Trichloroethene	U		0.000328	0.00118	1	04/14/2018 21:21	WG1098127
Trichlorofluoromethane	U		0.000449	0.00588	1	04/14/2018 21:21	WG1098127
1,2,3-Trichloropropane	U		0.000871	0.00294	1	04/14/2018 21:21	WG1098127
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	04/14/2018 21:21	WG1098127
1,2,3-Trimethylbenzene	U		0.000337	0.00118	1	04/14/2018 21:21	WG1098127
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	04/14/2018 21:21	WG1098127
Vinyl acetate	U		0.00281	0.0118	1	04/14/2018 21:21	WG1098127
Vinyl chloride	U		0.000342	0.00118	1	04/14/2018 21:21	WG1098127
Xylenes, Total	U		0.000820	0.00353	1	04/14/2018 21:21	WG1098127
(S) Toluene-d8	*100*			*80.0-120*		*04/14/2018 21:21*	WG1098127
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*04/14/2018 21:21*	WG1098127
(S) 4-Bromofluorobenzene	*96.1*			*64.0-132*		*04/14/2018 21:21*	WG1098127

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U UJ	J0	1.05	25.0	1	04/13/2018 14:46	WG1097806	
Acrylonitrile	U UJ	J0	0.873	5.00	1	04/13/2018 14:46	WG1097806	
Benzene	U		0.0896	0.500	1	04/13/2018 14:46	WG1097806	
Bromobenzene	U		0.133	0.500	1	04/13/2018 14:46	WG1097806	
Bromodichloromethane	U		0.0800	0.500	1	04/13/2018 14:46	WG1097806	
Bromochloromethane	U		0.145	0.500	1	04/13/2018 14:46	WG1097806	
Bromoform	U		0.186	0.500	1	04/13/2018 14:46	WG1097806	
Bromomethane	U		0.157	2.50	1	04/13/2018 14:46	WG1097806	
n-Butylbenzene	U		0.143	0.500	1	04/13/2018 14:46	WG1097806	
sec-Butylbenzene	U		0.134	0.500	1	04/13/2018 14:46	WG1097806	
tert-Butylbenzene	U		0.183	0.500	1	04/13/2018 14:46	WG1097806	
Carbon disulfide	U		0.101	0.500	1	04/13/2018 14:46	WG1097806	
Carbon tetrachloride	U UJ	J0	0.159	0.500	1	04/13/2018 14:46	WG1097806	
Chlorobenzene	U		0.140	0.500	1	04/13/2018 14:46	WG1097806	
Chlorodibromomethane	U		0.128	0.500	1	04/13/2018 14:46	WG1097806	
Chloroethane	U		0.141	2.50	1	04/13/2018 14:46	WG1097806	
Chloroform	U		0.0860	0.500	1	04/13/2018 14:46	WG1097806	
Chloromethane	U UJ	J0	0.153	1.25	1	04/13/2018 14:46	WG1097806	
2-Chlorotoluene	U		0.111	0.500	1	04/13/2018 14:46	WG1097806	
4-Chlorotoluene	U		0.0972	0.500	1	04/13/2018 14:46	WG1097806	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/13/2018 14:46	WG1097806	
1,2-Dibromoethane	U		0.193	0.500	1	04/13/2018 14:46	WG1097806	
Dibromomethane	U		0.117	0.500	1	04/13/2018 14:46	WG1097806	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/13/2018 14:46	WG1097806	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/13/2018 14:46	WG1097806	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/13/2018 14:46	WG1097806	
Dichlorodifluoromethane	U		0.127	2.50	1	04/13/2018 14:46	WG1097806	
1,1-Dichloroethane	U		0.114	0.500	1	04/13/2018 14:46	WG1097806	
1,2-Dichloroethane	U		0.108	0.500	1	04/13/2018 14:46	WG1097806	
1,1-Dichloroethene	U		0.188	0.500	1	04/13/2018 14:46	WG1097806	
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/13/2018 14:46	WG1097806	
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/13/2018 14:46	WG1097806	
1,2-Dichloropropane	U		0.190	0.500	1	04/13/2018 14:46	WG1097806	
1,1-Dichloropropene	U		0.128	0.500	1	04/13/2018 14:46	WG1097806	
1,3-Dichloropropane	U		0.147	1.00	1	04/13/2018 14:46	WG1097806	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/13/2018 14:46	WG1097806	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/13/2018 14:46	WG1097806	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/13/2018 14:46	WG1097806	
2,2-Dichloropropane	U		0.0929	0.500	1	04/13/2018 14:46	WG1097806	
Di-isopropyl ether	U UJ	J0	0.0924	0.500	1	04/13/2018 14:46	WG1097806	
Ethylbenzene	U		0.158	0.500	1	04/13/2018 14:46	WG1097806	JC 5/9/18
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/13/2018 14:46	WG1097806	
2-Hexanone	U UJ	J0	0.757	5.00	1	04/13/2018 14:46	WG1097806	
n-Hexane	U UJ	J0	0.305	5.00	1	04/13/2018 14:46	WG1097806	
Iodomethane	U		0.377	10.0	1	04/13/2018 14:46	WG1097806	
Isopropylbenzene	U	J4	0.126	0.500	1	04/13/2018 14:46	WG1097806	
p-Isopropyltoluene	U		0.138	0.500	1	04/13/2018 14:46	WG1097806	
2-Butanone (MEK)	U UJ	J0	1.28	5.00	1	04/13/2018 14:46	WG1097806	
Methylene Chloride	U		1.07	2.50	1	04/13/2018 14:46	WG1097806	
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.823	5.00	1	04/13/2018 14:46	WG1097806	
Methyl tert-butyl ether	U		0.102	0.500	1	04/13/2018 14:46	WG1097806	
Naphthalene	U		0.174	2.50	1	04/13/2018 14:46	WG1097806	
n-Propylbenzene	U		0.162	0.500	1	04/13/2018 14:46	WG1097806	
Styrene	U	J4	0.117	0.500	1	04/13/2018 14:46	WG1097806	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/13/2018 14:46	WG1097806	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/13/2018 14:46	WG1097806	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/13/2018 14:46	WG1097806
Tetrachloroethene	U		0.199	0.500	1	04/13/2018 14:46	WG1097806
Toluene	U		0.412	0.500	1	04/13/2018 14:46	WG1097806
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/13/2018 14:46	WG1097806
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/13/2018 14:46	WG1097806
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/13/2018 14:46	WG1097806
1,1,2-Trichloroethane	U		0.186	0.500	1	04/13/2018 14:46	WG1097806
Trichloroethene	U		0.153	0.500	1	04/13/2018 14:46	WG1097806
Trichlorofluoromethane	U		0.130	2.50	1	04/13/2018 14:46	WG1097806
1,2,3-Trichloropropane	U		0.247	2.50	1	04/13/2018 14:46	WG1097806
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/13/2018 14:46	WG1097806
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/13/2018 14:46	WG1097806
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/13/2018 14:46	WG1097806
Vinyl acetate	U		0.645	5.00	1	04/13/2018 14:46	WG1097806
Vinyl chloride	U		0.118	0.500	1	04/13/2018 14:46	WG1097806
Xylenes, Total	U		0.316	1.50	1	04/13/2018 14:46	WG1097806
(S) Toluene-d8	*93.9*			*80.0-120*		*04/13/2018 14:46*	WG1097806
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/13/2018 14:46*	WG1097806
(S) 4-Bromofluorobenzene	*118*			*80.0-120*		*04/13/2018 14:46*	WG1097806

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0437 J	J	0.0139	0.0693	1	04/14/2018 21:42	WG1098127	
Acrylonitrile	U		0.00248	0.0139	1	04/14/2018 21:42	WG1098127	
Benzene	0.00459		0.000374	0.00139	1	04/14/2018 21:42	WG1098127	
Bromobenzene	U		0.000394	0.00139	1	04/14/2018 21:42	WG1098127	
Bromodichloromethane	U		0.000352	0.00139	1	04/14/2018 21:42	WG1098127	
Bromochloromethane	U		0.000541	0.00693	1	04/14/2018 21:42	WG1098127	
Bromoform	U		0.000588	0.00139	1	04/14/2018 21:42	WG1098127	
Bromomethane	U		0.00186	0.00693	1	04/14/2018 21:42	WG1098127	
n-Butylbenzene	U		0.000358	0.00139	1	04/14/2018 21:42	WG1098127	
sec-Butylbenzene	U		0.000279	0.00139	1	04/14/2018 21:42	WG1098127	
tert-Butylbenzene	U		0.000286	0.00139	1	04/14/2018 21:42	WG1098127	
Carbon disulfide	0.000789 J	J	0.000306	0.00139	1	04/14/2018 21:42	WG1098127	
Carbon tetrachloride	U		0.000455	0.00139	1	04/14/2018 21:42	WG1098127	
Chlorobenzene	U		0.000294	0.00139	1	04/14/2018 21:42	WG1098127	
Chlorodibromomethane	U		0.000517	0.00139	1	04/14/2018 21:42	WG1098127	
Chloroethane	U		0.00131	0.00693	1	04/14/2018 21:42	WG1098127	
Chloroform	U		0.000317	0.00693	1	04/14/2018 21:42	WG1098127	
Chloromethane	U		0.000520	0.00347	1	04/14/2018 21:42	WG1098127	
2-Chlorotoluene	U		0.000417	0.00139	1	04/14/2018 21:42	WG1098127	
4-Chlorotoluene	U		0.000333	0.00139	1	04/14/2018 21:42	WG1098127	
1,2-Dibromo-3-Chloropropane	U		0.00146	0.00693	1	04/14/2018 21:42	WG1098127	
1,2-Dibromoethane	U		0.000475	0.00139	1	04/14/2018 21:42	WG1098127	
Dibromomethane	U		0.000530	0.00139	1	04/14/2018 21:42	WG1098127	
1,2-Dichlorobenzene	U		0.000423	0.00139	1	04/14/2018 21:42	WG1098127	
1,3-Dichlorobenzene	U		0.000331	0.00139	1	04/14/2018 21:42	WG1098127	
1,4-Dichlorobenzene	U		0.000313	0.00139	1	04/14/2018 21:42	WG1098127	
Dichlorodifluoromethane	U		0.000988	0.00693	1	04/14/2018 21:42	WG1098127	
1,1-Dichloroethane	0.000609 J	J	0.000276	0.00139	1	04/14/2018 21:42	WG1098127	
1,2-Dichloroethane	U		0.000367	0.00139	1	04/14/2018 21:42	WG1098127	
1,1-Dichloroethene	U		0.000420	0.00139	1	04/14/2018 21:42	WG1098127	
cis-1,2-Dichloroethene	U		0.000326	0.00139	1	04/14/2018 21:42	WG1098127	
trans-1,2-Dichloroethene	U		0.000366	0.00139	1	04/14/2018 21:42	WG1098127	
1,2-Dichloropropane	U		0.000496	0.00139	1	04/14/2018 21:42	WG1098127	
1,1-Dichloropropene	U		0.000439	0.00139	1	04/14/2018 21:42	WG1098127	JC 5/9/18
1,3-Dichloropropane	U		0.000287	0.00139	1	04/14/2018 21:42	WG1098127	
cis-1,3-Dichloropropene	U		0.000363	0.00139	1	04/14/2018 21:42	WG1098127	
trans-1,3-Dichloropropene	U		0.000370	0.00139	1	04/14/2018 21:42	WG1098127	
trans-1,4-Dichloro-2-butene	U		0.00108	0.00347	1	04/14/2018 21:42	WG1098127	
2,2-Dichloropropane	U		0.000387	0.00139	1	04/14/2018 21:42	WG1098127	
Di-isopropyl ether	U		0.000344	0.00139	1	04/14/2018 21:42	WG1098127	
Ethylbenzene	U		0.000412	0.00139	1	04/14/2018 21:42	WG1098127	
Hexachloro-1,3-butadiene	U		0.000474	0.00139	1	04/14/2018 21:42	WG1098127	
2-Hexanone	U		0.00190	0.0139	1	04/14/2018 21:42	WG1098127	
n-Hexane	0.00289 J	J	0.000402	0.0139	1	04/14/2018 21:42	WG1098127	
Iodomethane	U		0.00351	0.0139	1	04/14/2018 21:42	WG1098127	
Isopropylbenzene	U		0.000337	0.00139	1	04/14/2018 21:42	WG1098127	
p-Isopropyltoluene	U		0.000283	0.00139	1	04/14/2018 21:42	WG1098127	
2-Butanone (MEK)	U		0.00649	0.0139	1	04/14/2018 21:42	WG1098127	
Methylene Chloride	U		0.00139	0.00693	1	04/14/2018 21:42	WG1098127	
4-Methyl-2-pentanone (MIBK)	U		0.00261	0.0139	1	04/14/2018 21:42	WG1098127	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000294	0.00139	1	04/14/2018 21:42	WG1098127
Naphthalene	U		0.00139	0.00693	1	04/14/2018 21:42	WG1098127
n-Propylbenzene	U		0.000286	0.00139	1	04/14/2018 21:42	WG1098127
Styrene	U		0.000324	0.00139	1	04/14/2018 21:42	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000366	0.00139	1	04/14/2018 21:42	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000506	0.00139	1	04/14/2018 21:42	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000506	0.00139	1	04/14/2018 21:42	WG1098127
Tetrachloroethene	0.000499 J	J	0.000383	0.00139	1	04/14/2018 21:42	WG1098127
Toluene	U		0.000602	0.00693	1	04/14/2018 21:42	WG1098127
1,2,3-Trichlorobenzene	U		0.000424	0.00139	1	04/14/2018 21:42	WG1098127
1,2,4-Trichlorobenzene	U		0.000538	0.00139	1	04/14/2018 21:42	WG1098127
1,1,1-Trichloroethane	0.000715 J	J	0.000396	0.00139	1	04/14/2018 21:42	WG1098127
1,1,2-Trichloroethane	U		0.000384	0.00139	1	04/14/2018 21:42	WG1098127
Trichloroethene	U		0.000387	0.00139	1	04/14/2018 21:42	WG1098127
Trichlorofluoromethane	U		0.000530	0.00693	1	04/14/2018 21:42	WG1098127
1,2,3-Trichloropropane	U		0.00103	0.00347	1	04/14/2018 21:42	WG1098127
1,2,4-Trimethylbenzene	U		0.000292	0.00139	1	04/14/2018 21:42	WG1098127
1,2,3-Trimethylbenzene	U		0.000398	0.00139	1	04/14/2018 21:42	WG1098127
1,3,5-Trimethylbenzene	U		0.000369	0.00139	1	04/14/2018 21:42	WG1098127
Vinyl acetate	U		0.00331	0.0139	1	04/14/2018 21:42	WG1098127
Vinyl chloride	U		0.000403	0.00139	1	04/14/2018 21:42	WG1098127
Xylenes, Total	U		0.000968	0.00416	1	04/14/2018 21:42	WG1098127
(S) Toluene-d8	*99.3*			*80.0-120*		*04/14/2018 21:42*	WG1098127
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*04/14/2018 21:42*	WG1098127
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*04/14/2018 21:42*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.1		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0142 J	J	0.0116	0.0581	1	04/15/2018 14:21	WG1098127
Acrylonitrile	U		0.00208	0.0116	1	04/15/2018 14:21	WG1098127
Benzene	U		0.000314	0.00116	1	04/15/2018 14:21	WG1098127
Bromobenzene	U		0.000330	0.00116	1	04/15/2018 14:21	WG1098127
Bromodichloromethane	U		0.000295	0.00116	1	04/15/2018 14:21	WG1098127
Bromochloromethane	U		0.000453	0.00581	1	04/15/2018 14:21	WG1098127
Bromoform	U		0.000493	0.00116	1	04/15/2018 14:21	WG1098127
Bromomethane	U		0.00156	0.00581	1	04/15/2018 14:21	WG1098127
n-Butylbenzene	U		0.000300	0.00116	1	04/15/2018 14:21	WG1098127
sec-Butylbenzene	U		0.000233	0.00116	1	04/15/2018 14:21	WG1098127
tert-Butylbenzene	U		0.000239	0.00116	1	04/15/2018 14:21	WG1098127
Carbon disulfide	0.000833 J	J	0.000257	0.00116	1	04/15/2018 14:21	WG1098127
Carbon tetrachloride	U		0.000381	0.00116	1	04/15/2018 14:21	WG1098127
Chlorobenzene	U		0.000246	0.00116	1	04/15/2018 14:21	WG1098127
Chlorodibromomethane	U		0.000433	0.00116	1	04/15/2018 14:21	WG1098127
Chloroethane	U		0.00110	0.00581	1	04/15/2018 14:21	WG1098127
Chloroform	U		0.000266	0.00581	1	04/15/2018 14:21	WG1098127
Chloromethane	U		0.000436	0.00290	1	04/15/2018 14:21	WG1098127
2-Chlorotoluene	U		0.000350	0.00116	1	04/15/2018 14:21	WG1098127
4-Chlorotoluene	U		0.000279	0.00116	1	04/15/2018 14:21	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	04/15/2018 14:21	WG1098127
1,2-Dibromoethane	U		0.000398	0.00116	1	04/15/2018 14:21	WG1098127
Dibromomethane	U		0.000444	0.00116	1	04/15/2018 14:21	WG1098127
1,2-Dichlorobenzene	U		0.000354	0.00116	1	04/15/2018 14:21	WG1098127
1,3-Dichlorobenzene	U		0.000278	0.00116	1	04/15/2018 14:21	WG1098127
1,4-Dichlorobenzene	U		0.000263	0.00116	1	04/15/2018 14:21	WG1098127
Dichlorodifluoromethane	U		0.000828	0.00581	1	04/15/2018 14:21	WG1098127
1,1-Dichloroethane	U		0.000231	0.00116	1	04/15/2018 14:21	WG1098127
1,2-Dichloroethane	U		0.000308	0.00116	1	04/15/2018 14:21	WG1098127
1,1-Dichloroethene	U		0.000352	0.00116	1	04/15/2018 14:21	WG1098127
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	04/15/2018 14:21	WG1098127
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	04/15/2018 14:21	WG1098127
1,2-Dichloropropane	U		0.000416	0.00116	1	04/15/2018 14:21	WG1098127
1,1-Dichloropropene	U		0.000368	0.00116	1	04/15/2018 14:21	WG1098127
1,3-Dichloropropane	U		0.000240	0.00116	1	04/15/2018 14:21	WG1098127
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/15/2018 14:21	WG1098127
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	04/15/2018 14:21	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000904	0.00290	1	04/15/2018 14:21	WG1098127
2,2-Dichloropropane	U		0.000324	0.00116	1	04/15/2018 14:21	WG1098127
Di-isopropyl ether	U		0.000288	0.00116	1	04/15/2018 14:21	WG1098127
Ethylbenzene	U		0.000345	0.00116	1	04/15/2018 14:21	WG1098127
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	04/15/2018 14:21	WG1098127
2-Hexanone	U		0.00159	0.0116	1	04/15/2018 14:21	WG1098127
n-Hexane	U		0.000337	0.0116	1	04/15/2018 14:21	WG1098127
Iodomethane	U		0.00294	0.0116	1	04/15/2018 14:21	WG1098127 JC 5/9/18
Isopropylbenzene	U		0.000282	0.00116	1	04/15/2018 14:21	WG1098127
p-Isopropyltoluene	0.000329 J	J	0.000237	0.00116	1	04/15/2018 14:21	WG1098127
2-Butanone (MEK)	U		0.00544	0.0116	1	04/15/2018 14:21	WG1098127
Methylene Chloride	U		0.00116	0.00581	1	04/15/2018 14:21	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/15/2018 14:21	WG1098127

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/15/2018 14:21	WG1098127
Naphthalene	U		0.00116	0.00581	1	04/15/2018 14:21	WG1098127
n-Propylbenzene	U		0.000239	0.00116	1	04/15/2018 14:21	WG1098127
Styrene	U		0.000272	0.00116	1	04/15/2018 14:21	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	04/15/2018 14:21	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	04/15/2018 14:21	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	04/15/2018 14:21	WG1098127
Tetrachloroethene	U		0.000321	0.00116	1	04/15/2018 14:21	WG1098127
Toluene	U		0.000504	0.00581	1	04/15/2018 14:21	WG1098127
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/15/2018 14:21	WG1098127
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	04/15/2018 14:21	WG1098127
1,1,1-Trichloroethane	U		0.000332	0.00116	1	04/15/2018 14:21	WG1098127
1,1,2-Trichloroethane	U		0.000322	0.00116	1	04/15/2018 14:21	WG1098127
Trichloroethene	U		0.000324	0.00116	1	04/15/2018 14:21	WG1098127
Trichlorofluoromethane	U		0.000444	0.00581	1	04/15/2018 14:21	WG1098127
1,2,3-Trichloropropane	U		0.000861	0.00290	1	04/15/2018 14:21	WG1098127
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/15/2018 14:21	WG1098127
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/15/2018 14:21	WG1098127
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	04/15/2018 14:21	WG1098127
Vinyl acetate	U		0.00278	0.0116	1	04/15/2018 14:21	WG1098127
Vinyl chloride	U		0.000338	0.00116	1	04/15/2018 14:21	WG1098127
Xylenes, Total	U		0.000811	0.00348	1	04/15/2018 14:21	WG1098127
(S) Toluene-d8	*104*			*80.0-120*		*04/15/2018 14:21*	WG1098127
(S) Dibromofluoromethane	*96.2*			*74.0-131*		*04/15/2018 14:21*	WG1098127
(S) 4-Bromofluorobenzene	*94.9*			*64.0-132*		*04/15/2018 14:21*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	04/13/2018 14:58	WG1097927

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0114	0.0569	1	04/15/2018 14:42	WG1098127
Acrylonitrile	U		0.00204	0.0114	1	04/15/2018 14:42	WG1098127
Benzene	U		0.000307	0.00114	1	04/15/2018 14:42	WG1098127
Bromobenzene	U		0.000323	0.00114	1	04/15/2018 14:42	WG1098127
Bromodichloromethane	U		0.000289	0.00114	1	04/15/2018 14:42	WG1098127
Bromochloromethane	U		0.000444	0.00569	1	04/15/2018 14:42	WG1098127
Bromoform	U		0.000483	0.00114	1	04/15/2018 14:42	WG1098127
Bromomethane	U		0.00153	0.00569	1	04/15/2018 14:42	WG1098127
n-Butylbenzene	U		0.000294	0.00114	1	04/15/2018 14:42	WG1098127
sec-Butylbenzene	U		0.000229	0.00114	1	04/15/2018 14:42	WG1098127
tert-Butylbenzene	U		0.000235	0.00114	1	04/15/2018 14:42	WG1098127
Carbon disulfide	U		0.000252	0.00114	1	04/15/2018 14:42	WG1098127
Carbon tetrachloride	U		0.000373	0.00114	1	04/15/2018 14:42	WG1098127
Chlorobenzene	U		0.000241	0.00114	1	04/15/2018 14:42	WG1098127
Chlorodibromomethane	U		0.000425	0.00114	1	04/15/2018 14:42	WG1098127
Chloroethane	U		0.00108	0.00569	1	04/15/2018 14:42	WG1098127
Chloroform	U		0.000261	0.00569	1	04/15/2018 14:42	WG1098127
Chloromethane	U		0.000427	0.00285	1	04/15/2018 14:42	WG1098127
2-Chlorotoluene	U		0.000343	0.00114	1	04/15/2018 14:42	WG1098127
4-Chlorotoluene	U		0.000273	0.00114	1	04/15/2018 14:42	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00569	1	04/15/2018 14:42	WG1098127
1,2-Dibromoethane	U		0.000391	0.00114	1	04/15/2018 14:42	WG1098127
Dibromomethane	U		0.000435	0.00114	1	04/15/2018 14:42	WG1098127
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/15/2018 14:42	WG1098127
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/15/2018 14:42	WG1098127
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/15/2018 14:42	WG1098127
Dichlorodifluoromethane	U		0.000812	0.00569	1	04/15/2018 14:42	WG1098127
1,1-Dichloroethane	U		0.000227	0.00114	1	04/15/2018 14:42	WG1098127
1,2-Dichloroethane	U		0.000302	0.00114	1	04/15/2018 14:42	WG1098127
1,1-Dichloroethene	U		0.000345	0.00114	1	04/15/2018 14:42	WG1098127
cis-1,2-Dichloroethene	0.000547	J J	0.000268	0.00114	1	04/15/2018 14:42	WG1098127
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	04/15/2018 14:42	WG1098127
1,2-Dichloropropane	U		0.000408	0.00114	1	04/15/2018 14:42	WG1098127
1,1-Dichloropropene	U		0.000361	0.00114	1	04/15/2018 14:42	WG1098127
1,3-Dichloropropane	U		0.000236	0.00114	1	04/15/2018 14:42	WG1098127
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/15/2018 14:42	WG1098127
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	04/15/2018 14:42	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	04/15/2018 14:42	WG1098127
2,2-Dichloropropane	U		0.000318	0.00114	1	04/15/2018 14:42	WG1098127
Di-isopropyl ether	U		0.000282	0.00114	1	04/15/2018 14:42	WG1098127
Ethylbenzene	U		0.000338	0.00114	1	04/15/2018 14:42	WG1098127
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	04/15/2018 14:42	WG1098127
2-Hexanone	U		0.00156	0.0114	1	04/15/2018 14:42	WG1098127
n-Hexane	U		0.000330	0.0114	1	04/15/2018 14:42	WG1098127
Iodomethane	U		0.00288	0.0114	1	04/15/2018 14:42	WG1098127
Isopropylbenzene	U		0.000277	0.00114	1	04/15/2018 14:42	WG1098127
p-Isopropyltoluene	U		0.000232	0.00114	1	04/15/2018 14:42	WG1098127
2-Butanone (MEK)	U		0.00533	0.0114	1	04/15/2018 14:42	WG1098127
Methylene Chloride	U		0.00114	0.00569	1	04/15/2018 14:42	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/15/2018 14:42	WG1098127

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/15/2018 14:42	WG1098127
Naphthalene	U		0.00114	0.00569	1	04/15/2018 14:42	WG1098127
n-Propylbenzene	U		0.000235	0.00114	1	04/15/2018 14:42	WG1098127
Styrene	U		0.000266	0.00114	1	04/15/2018 14:42	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	04/15/2018 14:42	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	04/15/2018 14:42	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	04/15/2018 14:42	WG1098127
Tetrachloroethene	U		0.000314	0.00114	1	04/15/2018 14:42	WG1098127
Toluene	U		0.000494	0.00569	1	04/15/2018 14:42	WG1098127
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/15/2018 14:42	WG1098127
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	04/15/2018 14:42	WG1098127
1,1,1-Trichloroethane	U		0.000326	0.00114	1	04/15/2018 14:42	WG1098127
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/15/2018 14:42	WG1098127
Trichloroethene	U		0.000318	0.00114	1	04/15/2018 14:42	WG1098127
Trichlorofluoromethane	U		0.000435	0.00569	1	04/15/2018 14:42	WG1098127
1,2,3-Trichloropropane	U		0.000844	0.00285	1	04/15/2018 14:42	WG1098127
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/15/2018 14:42	WG1098127
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	04/15/2018 14:42	WG1098127
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	04/15/2018 14:42	WG1098127
Vinyl acetate	U		0.00272	0.0114	1	04/15/2018 14:42	WG1098127
Vinyl chloride	0.000928	J J	0.000331	0.00114	1	04/15/2018 14:42	WG1098127
Xylenes, Total	U		0.000795	0.00342	1	04/15/2018 14:42	WG1098127
(S) Toluene-d8	*101*			*80.0-120*		*04/15/2018 14:42*	WG1098127
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*04/15/2018 14:42*	WG1098127
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/15/2018 14:42*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0119	0.0596	1	04/15/2018 15:04	WG1098127
Acrylonitrile	U		0.00214	0.0119	1	04/15/2018 15:04	WG1098127
Benzene	U		0.000322	0.00119	1	04/15/2018 15:04	WG1098127
Bromobenzene	U		0.000339	0.00119	1	04/15/2018 15:04	WG1098127
Bromodichloromethane	U		0.000303	0.00119	1	04/15/2018 15:04	WG1098127
Bromochloromethane	U		0.000465	0.00596	1	04/15/2018 15:04	WG1098127
Bromoform	U		0.000506	0.00119	1	04/15/2018 15:04	WG1098127
Bromomethane	U		0.00160	0.00596	1	04/15/2018 15:04	WG1098127
n-Butylbenzene	U		0.000308	0.00119	1	04/15/2018 15:04	WG1098127
sec-Butylbenzene	U		0.000240	0.00119	1	04/15/2018 15:04	WG1098127
tert-Butylbenzene	U		0.000246	0.00119	1	04/15/2018 15:04	WG1098127
Carbon disulfide	U		0.000264	0.00119	1	04/15/2018 15:04	WG1098127
Carbon tetrachloride	U		0.000391	0.00119	1	04/15/2018 15:04	WG1098127
Chlorobenzene	U		0.000253	0.00119	1	04/15/2018 15:04	WG1098127
Chlorodibromomethane	U		0.000445	0.00119	1	04/15/2018 15:04	WG1098127
Chloroethane	U		0.00113	0.00596	1	04/15/2018 15:04	WG1098127
Chloroform	U		0.000273	0.00596	1	04/15/2018 15:04	WG1098127
Chloromethane	U		0.000447	0.00298	1	04/15/2018 15:04	WG1098127
2-Chlorotoluene	U		0.000359	0.00119	1	04/15/2018 15:04	WG1098127
4-Chlorotoluene	U		0.000286	0.00119	1	04/15/2018 15:04	WG1098127
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	04/15/2018 15:04	WG1098127
1,2-Dibromoethane	U		0.000409	0.00119	1	04/15/2018 15:04	WG1098127
Dibromomethane	U		0.000456	0.00119	1	04/15/2018 15:04	WG1098127
1,2-Dichlorobenzene	U		0.000364	0.00119	1	04/15/2018 15:04	WG1098127
1,3-Dichlorobenzene	U		0.000285	0.00119	1	04/15/2018 15:04	WG1098127
1,4-Dichlorobenzene	U		0.000270	0.00119	1	04/15/2018 15:04	WG1098127
Dichlorodifluoromethane	U		0.000850	0.00596	1	04/15/2018 15:04	WG1098127
1,1-Dichloroethane	U		0.000237	0.00119	1	04/15/2018 15:04	WG1098127
1,2-Dichloroethane	U		0.000316	0.00119	1	04/15/2018 15:04	WG1098127
1,1-Dichloroethene	U		0.000361	0.00119	1	04/15/2018 15:04	WG1098127
cis-1,2-Dichloroethene	0.00203		0.000280	0.00119	1	04/15/2018 15:04	WG1098127
trans-1,2-Dichloroethene	U		0.000315	0.00119	1	04/15/2018 15:04	WG1098127
1,2-Dichloropropane	U		0.000427	0.00119	1	04/15/2018 15:04	WG1098127
1,1-Dichloropropene	U		0.000378	0.00119	1	04/15/2018 15:04	WG1098127
1,3-Dichloropropane	U		0.000247	0.00119	1	04/15/2018 15:04	WG1098127
cis-1,3-Dichloropropene	U		0.000313	0.00119	1	04/15/2018 15:04	WG1098127
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	04/15/2018 15:04	WG1098127
trans-1,4-Dichloro-2-butene	U		0.000928	0.00298	1	04/15/2018 15:04	WG1098127
2,2-Dichloropropane	U		0.000333	0.00119	1	04/15/2018 15:04	WG1098127
Di-isopropyl ether	U		0.000296	0.00119	1	04/15/2018 15:04	WG1098127
Ethylbenzene	U		0.000354	0.00119	1	04/15/2018 15:04	WG1098127
Hexachloro-1,3-butadiene	U		0.000408	0.00119	1	04/15/2018 15:04	WG1098127
2-Hexanone	U		0.00163	0.0119	1	04/15/2018 15:04	WG1098127
n-Hexane	0.00257	J J	0.000346	0.0119	1	04/15/2018 15:04	WG1098127
Iodomethane	U		0.00302	0.0119	1	04/15/2018 15:04	WG1098127
Isopropylbenzene	U		0.000290	0.00119	1	04/15/2018 15:04	WG1098127
p-Isopropyltoluene	U		0.000243	0.00119	1	04/15/2018 15:04	WG1098127
2-Butanone (MEK)	U		0.00558	0.0119	1	04/15/2018 15:04	WG1098127
Methylene Chloride	U		0.00119	0.00596	1	04/15/2018 15:04	WG1098127
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	04/15/2018 15:04	WG1098127

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000253	0.00119	1	04/15/2018 15:04	WG1098127
Naphthalene	U		0.00119	0.00596	1	04/15/2018 15:04	WG1098127
n-Propylbenzene	U		0.000246	0.00119	1	04/15/2018 15:04	WG1098127
Styrene	U		0.000279	0.00119	1	04/15/2018 15:04	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	04/15/2018 15:04	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	04/15/2018 15:04	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	04/15/2018 15:04	WG1098127
Tetrachloroethene	U		0.000329	0.00119	1	04/15/2018 15:04	WG1098127
Toluene	U		0.000518	0.00596	1	04/15/2018 15:04	WG1098127
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	04/15/2018 15:04	WG1098127
1,2,4-Trichlorobenzene	U		0.000463	0.00119	1	04/15/2018 15:04	WG1098127
1,1,1-Trichloroethane	U		0.000341	0.00119	1	04/15/2018 15:04	WG1098127
1,1,2-Trichloroethane	U		0.000330	0.00119	1	04/15/2018 15:04	WG1098127
Trichloroethene	U		0.000333	0.00119	1	04/15/2018 15:04	WG1098127
Trichlorofluoromethane	U		0.000456	0.00596	1	04/15/2018 15:04	WG1098127
1,2,3-Trichloropropane	U		0.000884	0.00298	1	04/15/2018 15:04	WG1098127
1,2,4-Trimethylbenzene	U		0.000252	0.00119	1	04/15/2018 15:04	WG1098127
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	04/15/2018 15:04	WG1098127
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	04/15/2018 15:04	WG1098127
Vinyl acetate	U		0.00285	0.0119	1	04/15/2018 15:04	WG1098127
Vinyl chloride	0.000521	J J	0.000347	0.00119	1	04/15/2018 15:04	WG1098127
Xylenes, Total	U		0.000833	0.00358	1	04/15/2018 15:04	WG1098127
(S) Toluene-d8	*103*			*80.0-120*		*04/15/2018 15:04*	WG1098127
(S) Dibromofluoromethane	*97.1*			*74.0-131*		*04/15/2018 15:04*	WG1098127
(S) 4-Bromofluorobenzene	*95.7*			*64.0-132*		*04/15/2018 15:04*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0115	0.0573	1	04/15/2018 15:47	WG1098127	
Acrylonitrile	U		0.00205	0.0115	1	04/15/2018 15:47	WG1098127	
Benzene	U		0.000309	0.00115	1	04/15/2018 15:47	WG1098127	
Bromobenzene	U		0.000325	0.00115	1	04/15/2018 15:47	WG1098127	
Bromodichloromethane	U		0.000291	0.00115	1	04/15/2018 15:47	WG1098127	
Bromochloromethane	U		0.000447	0.00573	1	04/15/2018 15:47	WG1098127	
Bromoform	U		0.000486	0.00115	1	04/15/2018 15:47	WG1098127	
Bromomethane	U		0.00153	0.00573	1	04/15/2018 15:47	WG1098127	
n-Butylbenzene	U		0.000295	0.00115	1	04/15/2018 15:47	WG1098127	
sec-Butylbenzene	U		0.000230	0.00115	1	04/15/2018 15:47	WG1098127	
tert-Butylbenzene	U		0.000236	0.00115	1	04/15/2018 15:47	WG1098127	
Carbon disulfide	U		0.000253	0.00115	1	04/15/2018 15:47	WG1098127	
Carbon tetrachloride	U		0.000376	0.00115	1	04/15/2018 15:47	WG1098127	
Chlorobenzene	U		0.000243	0.00115	1	04/15/2018 15:47	WG1098127	
Chlorodibromomethane	U		0.000427	0.00115	1	04/15/2018 15:47	WG1098127	
Chloroethane	U		0.00108	0.00573	1	04/15/2018 15:47	WG1098127	
Chloroform	U		0.000262	0.00573	1	04/15/2018 15:47	WG1098127	
Chloromethane	U		0.000429	0.00286	1	04/15/2018 15:47	WG1098127	
2-Chlorotoluene	U		0.000345	0.00115	1	04/15/2018 15:47	WG1098127	
4-Chlorotoluene	U		0.000275	0.00115	1	04/15/2018 15:47	WG1098127	
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	04/15/2018 15:47	WG1098127	
1,2-Dibromoethane	U		0.000393	0.00115	1	04/15/2018 15:47	WG1098127	
Dibromomethane	U		0.000438	0.00115	1	04/15/2018 15:47	WG1098127	
1,2-Dichlorobenzene	U		0.000349	0.00115	1	04/15/2018 15:47	WG1098127	
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/15/2018 15:47	WG1098127	
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/15/2018 15:47	WG1098127	
Dichlorodifluoromethane	U		0.000817	0.00573	1	04/15/2018 15:47	WG1098127	
1,1-Dichloroethane	U		0.000228	0.00115	1	04/15/2018 15:47	WG1098127	
1,2-Dichloroethane	U		0.000304	0.00115	1	04/15/2018 15:47	WG1098127	
1,1-Dichloroethene	0.000867	J J	0.000347	0.00115	1	04/15/2018 15:47	WG1098127	
cis-1,2-Dichloroethene	0.207		0.00673	0.0286	25	04/17/2018 14:55	WG1098127	
trans-1,2-Dichloroethene	0.00117		0.000302	0.00115	1	04/15/2018 15:47	WG1098127	
1,2-Dichloropropane	U		0.000410	0.00115	1	04/15/2018 15:47	WG1098127	
1,1-Dichloropropene	U		0.000363	0.00115	1	04/15/2018 15:47	WG1098127	
1,3-Dichloropropane	U		0.000237	0.00115	1	04/15/2018 15:47	WG1098127	
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	04/15/2018 15:47	WG1098127	
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/15/2018 15:47	WG1098127	
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	04/15/2018 15:47	WG1098127	
2,2-Dichloropropane	U		0.000320	0.00115	1	04/15/2018 15:47	WG1098127	
Di-isopropyl ether	U		0.000284	0.00115	1	04/15/2018 15:47	WG1098127	
Ethylbenzene	U		0.000340	0.00115	1	04/15/2018 15:47	WG1098127	
Hexachloro-1,3-butadiene	U		0.000392	0.00115	1	04/15/2018 15:47	WG1098127	
2-Hexanone	U		0.00157	0.0115	1	04/15/2018 15:47	WG1098127	
n-Hexane	0.000594	J J	0.000332	0.0115	1	04/15/2018 15:47	WG1098127	
Iodomethane	U		0.00290	0.0115	1	04/15/2018 15:47	WG1098127	
Isopropylbenzene	U		0.000278	0.00115	1	04/15/2018 15:47	WG1098127	
p-Isopropyltoluene	U		0.000234	0.00115	1	04/15/2018 15:47	WG1098127	
2-Butanone (MEK)	U		0.00536	0.0115	1	04/15/2018 15:47	WG1098127	JC 5/9/18
Methylene Chloride	U		0.00115	0.00573	1	04/15/2018 15:47	WG1098127	
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	04/15/2018 15:47	WG1098127	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/15/2018 15:47	WG1098127
Naphthalene	U		0.00115	0.00573	1	04/15/2018 15:47	WG1098127
n-Propylbenzene	U		0.000236	0.00115	1	04/15/2018 15:47	WG1098127
Styrene	U		0.000268	0.00115	1	04/15/2018 15:47	WG1098127
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	04/15/2018 15:47	WG1098127
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	04/15/2018 15:47	WG1098127
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	04/15/2018 15:47	WG1098127
Tetrachloroethene	0.00589		0.000316	0.00115	1	04/15/2018 15:47	WG1098127
Toluene	U		0.000497	0.00573	1	04/15/2018 15:47	WG1098127
1,2,3-Trichlorobenzene	U		0.000350	0.00115	1	04/15/2018 15:47	WG1098127
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	04/15/2018 15:47	WG1098127
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/15/2018 15:47	WG1098127
1,1,2-Trichloroethane	U		0.000317	0.00115	1	04/15/2018 15:47	WG1098127
Trichloroethene	0.00729		0.000320	0.00115	1	04/15/2018 15:47	WG1098127
Trichlorofluoromethane	U		0.000438	0.00573	1	04/15/2018 15:47	WG1098127
1,2,3-Trichloropropane	U		0.000849	0.00286	1	04/15/2018 15:47	WG1098127
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/15/2018 15:47	WG1098127
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/15/2018 15:47	WG1098127
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/15/2018 15:47	WG1098127
Vinyl acetate	U		0.00274	0.0115	1	04/15/2018 15:47	WG1098127
Vinyl chloride	0.0227		0.000333	0.00115	1	04/15/2018 15:47	WG1098127
Xylenes, Total	U		0.000799	0.00344	1	04/15/2018 15:47	WG1098127
(S) Toluene-d8	*112*			*80.0-120*		*04/17/2018 14:55*	WG1098127
(S) Toluene-d8	*102*			*80.0-120*		*04/15/2018 15:47*	WG1098127
(S) Dibromofluoromethane	*101*			*74.0-131*		*04/17/2018 14:55*	WG1098127
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*04/15/2018 15:47*	WG1098127
(S) 4-Bromofluorobenzene	*96.2*			*64.0-132*		*04/15/2018 15:47*	WG1098127
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*04/17/2018 14:55*	WG1098127

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0111	0.0556	1	04/15/2018 16:08	WG1098553	
Acrylonitrile	U		0.00199	0.0111	1	04/15/2018 16:08	WG1098553	
Benzene	U		0.000300	0.00111	1	04/15/2018 16:08	WG1098553	
Bromobenzene	U		0.000316	0.00111	1	04/15/2018 16:08	WG1098553	
Bromodichloromethane	U		0.000282	0.00111	1	04/15/2018 16:08	WG1098553	
Bromochloromethane	U		0.000433	0.00556	1	04/15/2018 16:08	WG1098553	
Bromoform	U		0.000471	0.00111	1	04/15/2018 16:08	WG1098553	
Bromomethane	U		0.00149	0.00556	1	04/15/2018 16:08	WG1098553	
n-Butylbenzene	U		0.000287	0.00111	1	04/15/2018 16:08	WG1098553	
sec-Butylbenzene	U		0.000223	0.00111	1	04/15/2018 16:08	WG1098553	
tert-Butylbenzene	U		0.000229	0.00111	1	04/15/2018 16:08	WG1098553	
Carbon disulfide	0.000323	J	0.000246	0.00111	1	04/15/2018 16:08	WG1098553	
Carbon tetrachloride	U		0.000365	0.00111	1	04/15/2018 16:08	WG1098553	
Chlorobenzene	U		0.000236	0.00111	1	04/15/2018 16:08	WG1098553	
Chlorodibromomethane	U		0.000415	0.00111	1	04/15/2018 16:08	WG1098553	
Chloroethane	U		0.00105	0.00556	1	04/15/2018 16:08	WG1098553	
Chloroform	U		0.000255	0.00556	1	04/15/2018 16:08	WG1098553	
Chloromethane	U		0.000417	0.00278	1	04/15/2018 16:08	WG1098553	
2-Chlorotoluene	U		0.000335	0.00111	1	04/15/2018 16:08	WG1098553	
4-Chlorotoluene	U		0.000267	0.00111	1	04/15/2018 16:08	WG1098553	
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00556	1	04/15/2018 16:08	WG1098553	
1,2-Dibromoethane	U		0.000381	0.00111	1	04/15/2018 16:08	WG1098553	
Dibromomethane	U		0.000425	0.00111	1	04/15/2018 16:08	WG1098553	
1,2-Dichlorobenzene	U		0.000339	0.00111	1	04/15/2018 16:08	WG1098553	
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/15/2018 16:08	WG1098553	
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/15/2018 16:08	WG1098553	
Dichlorodifluoromethane	U		0.000792	0.00556	1	04/15/2018 16:08	WG1098553	
1,1-Dichloroethane	U		0.000221	0.00111	1	04/15/2018 16:08	WG1098553	
1,2-Dichloroethane	U		0.000295	0.00111	1	04/15/2018 16:08	WG1098553	
1,1-Dichloroethene	U		0.000337	0.00111	1	04/15/2018 16:08	WG1098553	
cis-1,2-Dichloroethene	0.00285		0.000261	0.00111	1	04/15/2018 16:08	WG1098553	
trans-1,2-Dichloroethene	0.00136		0.000293	0.00111	1	04/15/2018 16:08	WG1098553	
1,2-Dichloropropane	U		0.000398	0.00111	1	04/15/2018 16:08	WG1098553	
1,1-Dichloropropene	U		0.000352	0.00111	1	04/15/2018 16:08	WG1098553	
1,3-Dichloropropane	U		0.000230	0.00111	1	04/15/2018 16:08	WG1098553	
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/15/2018 16:08	WG1098553	
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	04/15/2018 16:08	WG1098553	
trans-1,4-Dichloro-2-butene	U		0.000865	0.00278	1	04/15/2018 16:08	WG1098553	
2,2-Dichloropropane	U		0.000310	0.00111	1	04/15/2018 16:08	WG1098553	
Di-isopropyl ether	U		0.000276	0.00111	1	04/15/2018 16:08	WG1098553	JC 5/9/18
Ethylbenzene	U		0.000330	0.00111	1	04/15/2018 16:08	WG1098553	
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	04/15/2018 16:08	WG1098553	
2-Hexanone	U		0.00152	0.0111	1	04/15/2018 16:08	WG1098553	
n-Hexane	U		0.000322	0.0111	1	04/15/2018 16:08	WG1098553	
Iodomethane	U		0.00281	0.0111	1	04/15/2018 16:08	WG1098553	
Isopropylbenzene	U		0.000270	0.00111	1	04/15/2018 16:08	WG1098553	
p-Isopropyltoluene	U		0.000227	0.00111	1	04/15/2018 16:08	WG1098553	
2-Butanone (MEK)	U		0.00520	0.0111	1	04/15/2018 16:08	WG1098553	
Methylene Chloride	U		0.00111	0.00556	1	04/15/2018 16:08	WG1098553	
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/15/2018 16:08	WG1098553	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/15/2018 16:08	WG1098553
Naphthalene	U		0.00111	0.00556	1	04/15/2018 16:08	WG1098553
n-Propylbenzene	U		0.000229	0.00111	1	04/15/2018 16:08	WG1098553
Styrene	U		0.000260	0.00111	1	04/15/2018 16:08	WG1098553
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/15/2018 16:08	WG1098553
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	04/15/2018 16:08	WG1098553
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	04/15/2018 16:08	WG1098553
Tetrachloroethene	0.00270		0.000307	0.00111	1	04/15/2018 16:08	WG1098553
Toluene	U		0.000482	0.00556	1	04/15/2018 16:08	WG1098553
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	04/15/2018 16:08	WG1098553
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	04/15/2018 16:08	WG1098553
1,1,1-Trichloroethane	U		0.000318	0.00111	1	04/15/2018 16:08	WG1098553
1,1,2-Trichloroethane	U		0.000308	0.00111	1	04/15/2018 16:08	WG1098553
Trichloroethene	0.000443	J J	0.000310	0.00111	1	04/15/2018 16:08	WG1098553
Trichlorofluoromethane	U		0.000425	0.00556	1	04/15/2018 16:08	WG1098553
1,2,3-Trichloropropane	U		0.000824	0.00278	1	04/15/2018 16:08	WG1098553
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/15/2018 16:08	WG1098553
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	04/15/2018 16:08	WG1098553
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/15/2018 16:08	WG1098553
Vinyl acetate	U		0.00266	0.0111	1	04/15/2018 16:08	WG1098553
Vinyl chloride	0.656		0.00809	0.0278	25	04/17/2018 13:28	WG1098553
Xylenes, Total	U		0.000776	0.00333	1	04/15/2018 16:08	WG1098553
(S) Toluene-d8	*113*			*80.0-120*		*04/17/2018 13:28*	WG1098553
(S) Toluene-d8	*102*			*80.0-120*		*04/15/2018 16:08*	WG1098553
(S) Dibromofluoromethane	*99.3*			*74.0-131*		*04/15/2018 16:08*	WG1098553
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*04/17/2018 13:28*	WG1098553
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*		*04/15/2018 16:08*	WG1098553
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*04/17/2018 13:28*	WG1098553

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0110	0.0550	1	04/15/2018 16:29	WG1098553
Acrylonitrile	U		0.00197	0.0110	1	04/15/2018 16:29	WG1098553
Benzene	U		0.000297	0.00110	1	04/15/2018 16:29	WG1098553
Bromobenzene	U		0.000312	0.00110	1	04/15/2018 16:29	WG1098553
Bromodichloromethane	U		0.000279	0.00110	1	04/15/2018 16:29	WG1098553
Bromochloromethane	U		0.000429	0.00550	1	04/15/2018 16:29	WG1098553
Bromoform	U		0.000466	0.00110	1	04/15/2018 16:29	WG1098553
Bromomethane	U		0.00147	0.00550	1	04/15/2018 16:29	WG1098553
n-Butylbenzene	U		0.000284	0.00110	1	04/15/2018 16:29	WG1098553
sec-Butylbenzene	U		0.000221	0.00110	1	04/15/2018 16:29	WG1098553
tert-Butylbenzene	U		0.000227	0.00110	1	04/15/2018 16:29	WG1098553
Carbon disulfide	0.000487	J J	0.000243	0.00110	1	04/15/2018 16:29	WG1098553
Carbon tetrachloride	U		0.000361	0.00110	1	04/15/2018 16:29	WG1098553
Chlorobenzene	U		0.000233	0.00110	1	04/15/2018 16:29	WG1098553
Chlorodibromomethane	U		0.000410	0.00110	1	04/15/2018 16:29	WG1098553
Chloroethane	U		0.00104	0.00550	1	04/15/2018 16:29	WG1098553
Chloroform	U		0.000252	0.00550	1	04/15/2018 16:29	WG1098553
Chloromethane	U		0.000413	0.00275	1	04/15/2018 16:29	WG1098553
2-Chlorotoluene	U		0.000331	0.00110	1	04/15/2018 16:29	WG1098553
4-Chlorotoluene	U		0.000264	0.00110	1	04/15/2018 16:29	WG1098553
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00550	1	04/15/2018 16:29	WG1098553
1,2-Dibromoethane	U		0.000377	0.00110	1	04/15/2018 16:29	WG1098553
Dibromomethane	U		0.000420	0.00110	1	04/15/2018 16:29	WG1098553
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/15/2018 16:29	WG1098553
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/15/2018 16:29	WG1098553
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/15/2018 16:29	WG1098553
Dichlorodifluoromethane	U		0.000784	0.00550	1	04/15/2018 16:29	WG1098553
1,1-Dichloroethane	U		0.000219	0.00110	1	04/15/2018 16:29	WG1098553
1,2-Dichloroethane	U		0.000292	0.00110	1	04/15/2018 16:29	WG1098553
1,1-Dichloroethene	U		0.000333	0.00110	1	04/15/2018 16:29	WG1098553
cis-1,2-Dichloroethene	0.0182		0.000259	0.00110	1	04/15/2018 16:29	WG1098553
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	04/15/2018 16:29	WG1098553
1,2-Dichloropropane	U		0.000394	0.00110	1	04/15/2018 16:29	WG1098553
1,1-Dichloropropene	U		0.000349	0.00110	1	04/15/2018 16:29	WG1098553
1,3-Dichloropropane	U		0.000228	0.00110	1	04/15/2018 16:29	WG1098553
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/15/2018 16:29	WG1098553
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/15/2018 16:29	WG1098553
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	04/15/2018 16:29	WG1098553
2,2-Dichloropropane	U		0.000307	0.00110	1	04/15/2018 16:29	WG1098553
Di-isopropyl ether	U		0.000273	0.00110	1	04/15/2018 16:29	WG1098553
Ethylbenzene	U		0.000327	0.00110	1	04/15/2018 16:29	WG1098553
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	04/15/2018 16:29	WG1098553
2-Hexanone	U		0.00151	0.0110	1	04/15/2018 16:29	WG1098553
n-Hexane	U		0.000319	0.0110	1	04/15/2018 16:29	WG1098553
Iodomethane	U		0.00278	0.0110	1	04/15/2018 16:29	WG1098553
Isopropylbenzene	U		0.000267	0.00110	1	04/15/2018 16:29	WG1098553
p-Isopropyltoluene	U		0.000224	0.00110	1	04/15/2018 16:29	WG1098553
2-Butanone (MEK)	U		0.00515	0.0110	1	04/15/2018 16:29	WG1098553
Methylene Chloride	U		0.00110	0.00550	1	04/15/2018 16:29	WG1098553
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/15/2018 16:29	WG1098553

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/15/2018 16:29	WG1098553
Naphthalene	U		0.00110	0.00550	1	04/15/2018 16:29	WG1098553
n-Propylbenzene	U		0.000227	0.00110	1	04/15/2018 16:29	WG1098553
Styrene	U		0.000257	0.00110	1	04/15/2018 16:29	WG1098553
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/15/2018 16:29	WG1098553
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/15/2018 16:29	WG1098553
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/15/2018 16:29	WG1098553
Tetrachloroethene	0.00164		0.000304	0.00110	1	04/15/2018 16:29	WG1098553
Toluene	U		0.000477	0.00550	1	04/15/2018 16:29	WG1098553
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/15/2018 16:29	WG1098553
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/15/2018 16:29	WG1098553
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/15/2018 16:29	WG1098553
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/15/2018 16:29	WG1098553
Trichloroethene	0.00106	J J	0.000307	0.00110	1	04/15/2018 16:29	WG1098553
Trichlorofluoromethane	U		0.000420	0.00550	1	04/15/2018 16:29	WG1098553
1,2,3-Trichloropropane	U		0.000815	0.00275	1	04/15/2018 16:29	WG1098553
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/15/2018 16:29	WG1098553
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/15/2018 16:29	WG1098553
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/15/2018 16:29	WG1098553
Vinyl acetate	U		0.00263	0.0110	1	04/15/2018 16:29	WG1098553
Vinyl chloride	0.0137		0.000320	0.00110	1	04/15/2018 16:29	WG1098553
Xylenes, Total	U		0.000768	0.00330	1	04/15/2018 16:29	WG1098553
(S) Toluene-d8	*104*			*80.0-120*		*04/15/2018 16:29*	WG1098553
(S) Dibromofluoromethane	*99.0*			*74.0-131*		*04/15/2018 16:29*	WG1098553
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*04/15/2018 16:29*	WG1098553

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0114	0.0568	1	04/15/2018 16:50	WG1098553
Acrylonitrile	U		0.00203	0.0114	1	04/15/2018 16:50	WG1098553
Benzene	U		0.000307	0.00114	1	04/15/2018 16:50	WG1098553
Bromobenzene	U		0.000323	0.00114	1	04/15/2018 16:50	WG1098553
Bromodichloromethane	U		0.000289	0.00114	1	04/15/2018 16:50	WG1098553
Bromochloromethane	U		0.000443	0.00568	1	04/15/2018 16:50	WG1098553
Bromoform	U		0.000482	0.00114	1	04/15/2018 16:50	WG1098553
Bromomethane	U		0.00152	0.00568	1	04/15/2018 16:50	WG1098553
n-Butylbenzene	U		0.000293	0.00114	1	04/15/2018 16:50	WG1098553
sec-Butylbenzene	U		0.000228	0.00114	1	04/15/2018 16:50	WG1098553
tert-Butylbenzene	U		0.000234	0.00114	1	04/15/2018 16:50	WG1098553
Carbon disulfide	0.000283	J J	0.000251	0.00114	1	04/15/2018 16:50	WG1098553
Carbon tetrachloride	U		0.000373	0.00114	1	04/15/2018 16:50	WG1098553
Chlorobenzene	U		0.000241	0.00114	1	04/15/2018 16:50	WG1098553
Chlorodibromomethane	U		0.000424	0.00114	1	04/15/2018 16:50	WG1098553
Chloroethane	U		0.00107	0.00568	1	04/15/2018 16:50	WG1098553
Chloroform	U		0.000260	0.00568	1	04/15/2018 16:50	WG1098553
Chloromethane	U		0.000426	0.00284	1	04/15/2018 16:50	WG1098553
2-Chlorotoluene	U		0.000342	0.00114	1	04/15/2018 16:50	WG1098553
4-Chlorotoluene	U		0.000273	0.00114	1	04/15/2018 16:50	WG1098553
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	04/15/2018 16:50	WG1098553
1,2-Dibromoethane	U		0.000390	0.00114	1	04/15/2018 16:50	WG1098553
Dibromomethane	U		0.000434	0.00114	1	04/15/2018 16:50	WG1098553
1,2-Dichlorobenzene	U		0.000347	0.00114	1	04/15/2018 16:50	WG1098553
1,3-Dichlorobenzene	U		0.000272	0.00114	1	04/15/2018 16:50	WG1098553
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/15/2018 16:50	WG1098553
Dichlorodifluoromethane	U		0.000810	0.00568	1	04/15/2018 16:50	WG1098553
1,1-Dichloroethane	U		0.000226	0.00114	1	04/15/2018 16:50	WG1098553
1,2-Dichloroethane	U		0.000301	0.00114	1	04/15/2018 16:50	WG1098553
1,1-Dichloroethene	U		0.000344	0.00114	1	04/15/2018 16:50	WG1098553
cis-1,2-Dichloroethene	0.00361		0.000267	0.00114	1	04/15/2018 16:50	WG1098553
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	04/15/2018 16:50	WG1098553
1,2-Dichloropropane	U		0.000407	0.00114	1	04/15/2018 16:50	WG1098553
1,1-Dichloropropene	U		0.000360	0.00114	1	04/15/2018 16:50	WG1098553
1,3-Dichloropropane	U		0.000235	0.00114	1	04/15/2018 16:50	WG1098553
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	04/15/2018 16:50	WG1098553
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	04/15/2018 16:50	WG1098553
trans-1,4-Dichloro-2-butene	U		0.000884	0.00284	1	04/15/2018 16:50	WG1098553
2,2-Dichloropropane	U		0.000317	0.00114	1	04/15/2018 16:50	WG1098553
Di-isopropyl ether	U		0.000282	0.00114	1	04/15/2018 16:50	WG1098553
Ethylbenzene	U		0.000337	0.00114	1	04/15/2018 16:50	WG1098553
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	04/15/2018 16:50	WG1098553
2-Hexanone	U		0.00156	0.0114	1	04/15/2018 16:50	WG1098553
n-Hexane	U		0.000330	0.0114	1	04/15/2018 16:50	WG1098553
Iodomethane	U		0.00287	0.0114	1	04/15/2018 16:50	WG1098553
Isopropylbenzene	U		0.000276	0.00114	1	04/15/2018 16:50	WG1098553
p-Isopropyltoluene	U		0.000232	0.00114	1	04/15/2018 16:50	WG1098553
2-Butanone (MEK)	U		0.00532	0.0114	1	04/15/2018 16:50	WG1098553
Methylene Chloride	U		0.00114	0.00568	1	04/15/2018 16:50	WG1098553
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	04/15/2018 16:50	WG1098553

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/15/2018 16:50	WG1098553
Naphthalene	U		0.00114	0.00568	1	04/15/2018 16:50	WG1098553
n-Propylbenzene	U		0.000234	0.00114	1	04/15/2018 16:50	WG1098553
Styrene	U		0.000266	0.00114	1	04/15/2018 16:50	WG1098553
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/15/2018 16:50	WG1098553
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	04/15/2018 16:50	WG1098553
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	04/15/2018 16:50	WG1098553
Tetrachloroethene	U		0.000314	0.00114	1	04/15/2018 16:50	WG1098553
Toluene	U		0.000493	0.00568	1	04/15/2018 16:50	WG1098553
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	04/15/2018 16:50	WG1098553
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	04/15/2018 16:50	WG1098553
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/15/2018 16:50	WG1098553
1,1,2-Trichloroethane	U		0.000315	0.00114	1	04/15/2018 16:50	WG1098553
Trichloroethene	U		0.000317	0.00114	1	04/15/2018 16:50	WG1098553
Trichlorofluoromethane	U		0.000434	0.00568	1	04/15/2018 16:50	WG1098553
1,2,3-Trichloropropane	U		0.000842	0.00284	1	04/15/2018 16:50	WG1098553
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/15/2018 16:50	WG1098553
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	04/15/2018 16:50	WG1098553
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	04/15/2018 16:50	WG1098553
Vinyl acetate	U		0.00272	0.0114	1	04/15/2018 16:50	WG1098553
Vinyl chloride	0.00320		0.000331	0.00114	1	04/15/2018 16:50	WG1098553
Xylenes, Total	U		0.000793	0.00341	1	04/15/2018 16:50	WG1098553
(S) Toluene-d8	*104*			*80.0-120*		*04/15/2018 16:50*	WG1098553
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*04/15/2018 16:50*	WG1098553
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/15/2018 16:50*	WG1098553

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	04/14/2018 07:24	WG1097930

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0112	0.0560	1	04/15/2018 17:12	WG1098553	
Acrylonitrile	U		0.00200	0.0112	1	04/15/2018 17:12	WG1098553	
Benzene	U		0.000302	0.00112	1	04/15/2018 17:12	WG1098553	
Bromobenzene	U		0.000318	0.00112	1	04/15/2018 17:12	WG1098553	
Bromodichloromethane	U		0.000284	0.00112	1	04/15/2018 17:12	WG1098553	
Bromochloromethane	U		0.000436	0.00560	1	04/15/2018 17:12	WG1098553	
Bromoform	U		0.000474	0.00112	1	04/15/2018 17:12	WG1098553	
Bromomethane	U		0.00150	0.00560	1	04/15/2018 17:12	WG1098553	
n-Butylbenzene	U		0.000289	0.00112	1	04/15/2018 17:12	WG1098553	
sec-Butylbenzene	U		0.000225	0.00112	1	04/15/2018 17:12	WG1098553	
tert-Butylbenzene	U		0.000231	0.00112	1	04/15/2018 17:12	WG1098553	
Carbon disulfide	U		0.000247	0.00112	1	04/15/2018 17:12	WG1098553	
Carbon tetrachloride	U		0.000367	0.00112	1	04/15/2018 17:12	WG1098553	
Chlorobenzene	U		0.000237	0.00112	1	04/15/2018 17:12	WG1098553	
Chlorodibromomethane	U		0.000417	0.00112	1	04/15/2018 17:12	WG1098553	
Chloroethane	U		0.00106	0.00560	1	04/15/2018 17:12	WG1098553	
Chloroform	U		0.000256	0.00560	1	04/15/2018 17:12	WG1098553	
Chloromethane	U		0.000420	0.00280	1	04/15/2018 17:12	WG1098553	
2-Chlorotoluene	U		0.000337	0.00112	1	04/15/2018 17:12	WG1098553	
4-Chlorotoluene	U		0.000269	0.00112	1	04/15/2018 17:12	WG1098553	
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00560	1	04/15/2018 17:12	WG1098553	
1,2-Dibromoethane	U		0.000384	0.00112	1	04/15/2018 17:12	WG1098553	
Dibromomethane	U		0.000427	0.00112	1	04/15/2018 17:12	WG1098553	
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/15/2018 17:12	WG1098553	
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/15/2018 17:12	WG1098553	
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/15/2018 17:12	WG1098553	
Dichlorodifluoromethane	U		0.000798	0.00560	1	04/15/2018 17:12	WG1098553	
1,1-Dichloroethane	U		0.000223	0.00112	1	04/15/2018 17:12	WG1098553	
1,2-Dichloroethane	U		0.000297	0.00112	1	04/15/2018 17:12	WG1098553	
1,1-Dichloroethene	U		0.000339	0.00112	1	04/15/2018 17:12	WG1098553	
cis-1,2-Dichloroethene	0.00256		0.000263	0.00112	1	04/15/2018 17:12	WG1098553	
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/15/2018 17:12	WG1098553	
1,2-Dichloropropane	U		0.000401	0.00112	1	04/15/2018 17:12	WG1098553	
1,1-Dichloropropene	U		0.000355	0.00112	1	04/15/2018 17:12	WG1098553	JC 5/9/18
1,3-Dichloropropane	U		0.000232	0.00112	1	04/15/2018 17:12	WG1098553	
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/15/2018 17:12	WG1098553	
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/15/2018 17:12	WG1098553	
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	04/15/2018 17:12	WG1098553	
2,2-Dichloropropane	U		0.000312	0.00112	1	04/15/2018 17:12	WG1098553	
Di-isopropyl ether	U		0.000278	0.00112	1	04/15/2018 17:12	WG1098553	
Ethylbenzene	U		0.000332	0.00112	1	04/15/2018 17:12	WG1098553	
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	04/15/2018 17:12	WG1098553	
2-Hexanone	U		0.00153	0.0112	1	04/15/2018 17:12	WG1098553	
n-Hexane	0.000474	J J	0.000325	0.0112	1	04/15/2018 17:12	WG1098553	
Iodomethane	U		0.00283	0.0112	1	04/15/2018 17:12	WG1098553	
Isopropylbenzene	U		0.000272	0.00112	1	04/15/2018 17:12	WG1098553	
p-Isopropyltoluene	U		0.000228	0.00112	1	04/15/2018 17:12	WG1098553	
2-Butanone (MEK)	U		0.00524	0.0112	1	04/15/2018 17:12	WG1098553	
Methylene Chloride	U		0.00112	0.00560	1	04/15/2018 17:12	WG1098553	
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/15/2018 17:12	WG1098553	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/15/2018 17:12	WG1098553
Naphthalene	U		0.00112	0.00560	1	04/15/2018 17:12	WG1098553
n-Propylbenzene	U		0.000231	0.00112	1	04/15/2018 17:12	WG1098553
Styrene	U		0.000262	0.00112	1	04/15/2018 17:12	WG1098553
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/15/2018 17:12	WG1098553
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/15/2018 17:12	WG1098553
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/15/2018 17:12	WG1098553
Tetrachloroethene	U		0.000309	0.00112	1	04/15/2018 17:12	WG1098553
Toluene	U		0.000486	0.00560	1	04/15/2018 17:12	WG1098553
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/15/2018 17:12	WG1098553
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/15/2018 17:12	WG1098553
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/15/2018 17:12	WG1098553
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/15/2018 17:12	WG1098553
Trichloroethene	U		0.000312	0.00112	1	04/15/2018 17:12	WG1098553
Trichlorofluoromethane	U		0.000427	0.00560	1	04/15/2018 17:12	WG1098553
1,2,3-Trichloropropane	U		0.000829	0.00280	1	04/15/2018 17:12	WG1098553
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/15/2018 17:12	WG1098553
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/15/2018 17:12	WG1098553
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/15/2018 17:12	WG1098553
Vinyl acetate	U		0.00267	0.0112	1	04/15/2018 17:12	WG1098553
Vinyl chloride	0.00587		0.000326	0.00112	1	04/15/2018 17:12	WG1098553
Xylenes, Total	U		0.000781	0.00336	1	04/15/2018 17:12	WG1098553
(S) Toluene-d8	*102*			*80.0-120*		*04/15/2018 17:12*	WG1098553
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*04/15/2018 17:12*	WG1098553
(S) 4-Bromofluorobenzene	*96.4*			*64.0-132*		*04/15/2018 17:12*	WG1098553

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ANALYTICAL REPORT

April 26, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L987121
Samples Received:	04/19/2018
Project Number:	
Description:	

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

MW-145-10 L987121-01 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/17/18 10:25
Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/17/18 10:25	04/25/18 20:15	LRL

MW-145-20 L987121-02 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/17/18 11:00
Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/17/18 11:00	04/20/18 03:15	ACG

MW-145-30 L987121-03 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/17/18 11:15
Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/17/18 11:15	04/20/18 03:35	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	25	04/17/18 11:15	04/25/18 20:36	LRL

MW-145-40 L987121-04 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/17/18 11:40
Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/17/18 11:40	04/25/18 20:57	LRL

MW-145-50 L987121-05 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/17/18 12:10
Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/17/18 12:10	04/20/18 04:13	ACG

MW-145-60 L987121-06 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/17/18 13:15
Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/17/18 13:15	04/20/18 04:32	ACG

MW-145-70 L987121-07 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/17/18 13:44
Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/17/18 13:44	04/25/18 21:18	LRL

MW-145-80 L987121-08 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/17/18 14:35 | Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/17/18 14:35	04/20/18 05:11	ACG

MW-903-40 L987121-09 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/17/18 16:20 | Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/17/18 16:20	04/25/18 21:40	LRL

MW-159-20 L987121-10 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/16/18 09:55 | Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101106	1	04/21/18 09:06	04/21/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/16/18 09:55	04/20/18 05:50	ACG

MW-159-30 L987121-11 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/16/18 10:30 | Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1101107	1	04/21/18 10:06	04/21/18 10:17	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100741	1	04/16/18 10:30	04/25/18 22:01	LRL

TRIP BLANK L987121-12 GW

Collected by: Rachel McLaughlin | Collected date/time: 04/16/18 00:00 | Received date/time: 04/19/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1100931	1	04/20/18 12:12	04/20/18 12:12	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.6		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0194	J J0	0.0126	0.0628	1	04/25/2018 20:15	WG1100741
Acrylonitrile	U		0.00225	0.0126	1	04/25/2018 20:15	WG1100741
Benzene	U		0.000339	0.00126	1	04/25/2018 20:15	WG1100741
Bromobenzene	U		0.000357	0.00126	1	04/25/2018 20:15	WG1100741
Bromodichloromethane	U		0.000319	0.00126	1	04/25/2018 20:15	WG1100741
Bromochloromethane	U		0.000490	0.00628	1	04/25/2018 20:15	WG1100741
Bromoform	U		0.000533	0.00126	1	04/25/2018 20:15	WG1100741
Bromomethane	U	J0 J3	0.00168	0.00628	1	04/25/2018 20:15	WG1100741
n-Butylbenzene	U		0.000324	0.00126	1	04/25/2018 20:15	WG1100741
sec-Butylbenzene	U		0.000253	0.00126	1	04/25/2018 20:15	WG1100741
tert-Butylbenzene	U		0.000259	0.00126	1	04/25/2018 20:15	WG1100741
Carbon disulfide	U	J3	0.000278	0.00126	1	04/25/2018 20:15	WG1100741
Carbon tetrachloride	U		0.000412	0.00126	1	04/25/2018 20:15	WG1100741
Chlorobenzene	U		0.000266	0.00126	1	04/25/2018 20:15	WG1100741
Chlorodibromomethane	U		0.000469	0.00126	1	04/25/2018 20:15	WG1100741
Chloroethane	U	J0 J3	0.00119	0.00628	1	04/25/2018 20:15	WG1100741
Chloroform	U		0.000288	0.00628	1	04/25/2018 20:15	WG1100741
Chloromethane	U	J3	0.000471	0.00314	1	04/25/2018 20:15	WG1100741
2-Chlorotoluene	U		0.000378	0.00126	1	04/25/2018 20:15	WG1100741
4-Chlorotoluene	U		0.000302	0.00126	1	04/25/2018 20:15	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00132	0.00628	1	04/25/2018 20:15	WG1100741
1,2-Dibromoethane	U		0.000431	0.00126	1	04/25/2018 20:15	WG1100741
Dibromomethane	U		0.000480	0.00126	1	04/25/2018 20:15	WG1100741
1,2-Dichlorobenzene	U		0.000383	0.00126	1	04/25/2018 20:15	WG1100741
1,3-Dichlorobenzene	U		0.000300	0.00126	1	04/25/2018 20:15	WG1100741
1,4-Dichlorobenzene	U		0.000284	0.00126	1	04/25/2018 20:15	WG1100741
Dichlorodifluoromethane	U	J0 J3	0.000896	0.00628	1	04/25/2018 20:15	WG1100741
1,1-Dichloroethane	U	J3	0.000250	0.00126	1	04/25/2018 20:15	WG1100741
1,2-Dichloroethane	U		0.000333	0.00126	1	04/25/2018 20:15	WG1100741
1,1-Dichloroethene	U	J3	0.000381	0.00126	1	04/25/2018 20:15	WG1100741
cis-1,2-Dichloroethene	U		0.000295	0.00126	1	04/25/2018 20:15	WG1100741
trans-1,2-Dichloroethene	U		0.000332	0.00126	1	04/25/2018 20:15	WG1100741
1,2-Dichloropropane	U		0.000450	0.00126	1	04/25/2018 20:15	WG1100741
1,1-Dichloropropene	U		0.000398	0.00126	1	04/25/2018 20:15	WG1100741
1,3-Dichloropropane	U		0.000260	0.00126	1	04/25/2018 20:15	WG1100741
cis-1,3-Dichloropropene	U		0.000329	0.00126	1	04/25/2018 20:15	WG1100741
trans-1,3-Dichloropropene	U		0.000335	0.00126	1	04/25/2018 20:15	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000977	0.00314	1	04/25/2018 20:15	WG1100741
2,2-Dichloropropane	U		0.000351	0.00126	1	04/25/2018 20:15	WG1100741
Di-isopropyl ether	U	J3	0.000312	0.00126	1	04/25/2018 20:15	WG1100741
Ethylbenzene	U		0.000373	0.00126	1	04/25/2018 20:15	WG1100741
Hexachloro-1,3-butadiene	U		0.000430	0.00126	1	04/25/2018 20:15	WG1100741
2-Hexanone	U		0.00172	0.0126	1	04/25/2018 20:15	WG1100741
n-Hexane	U		0.000364	0.0126	1	04/25/2018 20:15	WG1100741
Iodomethane	U	J3	0.00318	0.0126	1	04/25/2018 20:15	WG1100741
Isopropylbenzene	U		0.000305	0.00126	1	04/25/2018 20:15	WG1100741
p-Isopropyltoluene	U		0.000256	0.00126	1	04/25/2018 20:15	WG1100741
2-Butanone (MEK)	U	J3	0.00588	0.0126	1	04/25/2018 20:15	WG1100741
Methylene Chloride	U		0.00126	0.00628	1	04/25/2018 20:15	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00236	0.0126	1	04/25/2018 20:15	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000266	0.00126	1	04/25/2018 20:15	WG1100741
Naphthalene	U		0.00126	0.00628	1	04/25/2018 20:15	WG1100741
n-Propylbenzene	U		0.000259	0.00126	1	04/25/2018 20:15	WG1100741
Styrene	U		0.000294	0.00126	1	04/25/2018 20:15	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000332	0.00126	1	04/25/2018 20:15	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000459	0.00126	1	04/25/2018 20:15	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000459	0.00126	1	04/25/2018 20:15	WG1100741
Tetrachloroethene	U		0.000347	0.00126	1	04/25/2018 20:15	WG1100741
Toluene	U		0.000545	0.00628	1	04/25/2018 20:15	WG1100741
1,2,3-Trichlorobenzene	U		0.000384	0.00126	1	04/25/2018 20:15	WG1100741
1,2,4-Trichlorobenzene	U		0.000487	0.00126	1	04/25/2018 20:15	WG1100741
1,1,1-Trichloroethane	U		0.000359	0.00126	1	04/25/2018 20:15	WG1100741
1,1,2-Trichloroethane	U		0.000348	0.00126	1	04/25/2018 20:15	WG1100741
Trichloroethene	U		0.000351	0.00126	1	04/25/2018 20:15	WG1100741
Trichlorofluoromethane	U		0.000480	0.00628	1	04/25/2018 20:15	WG1100741
1,2,3-Trichloropropane	U		0.000931	0.00314	1	04/25/2018 20:15	WG1100741
1,2,4-Trimethylbenzene	U		0.000265	0.00126	1	04/25/2018 20:15	WG1100741
1,2,3-Trimethylbenzene	U		0.000361	0.00126	1	04/25/2018 20:15	WG1100741
1,3,5-Trimethylbenzene	U		0.000334	0.00126	1	04/25/2018 20:15	WG1100741
Vinyl acetate	U		0.00300	0.0126	1	04/25/2018 20:15	WG1100741
Vinyl chloride	U	J3	0.000366	0.00126	1	04/25/2018 20:15	WG1100741
Xylenes, Total	U		0.000877	0.00377	1	04/25/2018 20:15	WG1100741
(S) Toluene-d8	*104*			*80.0-120*		*04/25/2018 20:15*	WG1100741
(S) Dibromofluoromethane	*91.3*			*74.0-131*		*04/25/2018 20:15*	WG1100741
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*04/25/2018 20:15*	WG1100741

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0117	0.0584	1	04/20/2018 03:15	WG1100741
Acrylonitrile	U		0.00209	0.0117	1	04/20/2018 03:15	WG1100741
Benzene	U		0.000315	0.00117	1	04/20/2018 03:15	WG1100741
Bromobenzene	U		0.000332	0.00117	1	04/20/2018 03:15	WG1100741
Bromodichloromethane	U		0.000297	0.00117	1	04/20/2018 03:15	WG1100741
Bromochloromethane	U		0.000455	0.00584	1	04/20/2018 03:15	WG1100741
Bromoform	U		0.000495	0.00117	1	04/20/2018 03:15	WG1100741
Bromomethane	U	J3	0.00156	0.00584	1	04/20/2018 03:15	WG1100741
n-Butylbenzene	U		0.000301	0.00117	1	04/20/2018 03:15	WG1100741
sec-Butylbenzene	U		0.000235	0.00117	1	04/20/2018 03:15	WG1100741
tert-Butylbenzene	U		0.000241	0.00117	1	04/20/2018 03:15	WG1100741
Carbon disulfide	U	J0 J3	0.000258	0.00117	1	04/20/2018 03:15	WG1100741
Carbon tetrachloride	U		0.000383	0.00117	1	04/20/2018 03:15	WG1100741
Chlorobenzene	U		0.000248	0.00117	1	04/20/2018 03:15	WG1100741
Chlorodibromomethane	U		0.000435	0.00117	1	04/20/2018 03:15	WG1100741
Chloroethane	U	J3	0.00110	0.00584	1	04/20/2018 03:15	WG1100741
Chloroform	U		0.000267	0.00584	1	04/20/2018 03:15	WG1100741
Chloromethane	U	J3	0.000438	0.00292	1	04/20/2018 03:15	WG1100741
2-Chlorotoluene	U		0.000351	0.00117	1	04/20/2018 03:15	WG1100741
4-Chlorotoluene	U		0.000280	0.00117	1	04/20/2018 03:15	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	04/20/2018 03:15	WG1100741
1,2-Dibromoethane	U		0.000400	0.00117	1	04/20/2018 03:15	WG1100741
Dibromomethane	U		0.000446	0.00117	1	04/20/2018 03:15	WG1100741
1,2-Dichlorobenzene	U		0.000356	0.00117	1	04/20/2018 03:15	WG1100741
1,3-Dichlorobenzene	U		0.000279	0.00117	1	04/20/2018 03:15	WG1100741
1,4-Dichlorobenzene	U		0.000264	0.00117	1	04/20/2018 03:15	WG1100741
Dichlorodifluoromethane	U	J3	0.000832	0.00584	1	04/20/2018 03:15	WG1100741
1,1-Dichloroethane	U	J3	0.000232	0.00117	1	04/20/2018 03:15	WG1100741
1,2-Dichloroethane	U		0.000309	0.00117	1	04/20/2018 03:15	WG1100741
1,1-Dichloroethene	U	J3	0.000354	0.00117	1	04/20/2018 03:15	WG1100741
cis-1,2-Dichloroethene	0.00765		0.000274	0.00117	1	04/20/2018 03:15	WG1100741
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	04/20/2018 03:15	WG1100741
1,2-Dichloropropane	U		0.000418	0.00117	1	04/20/2018 03:15	WG1100741
1,1-Dichloropropene	U		0.000370	0.00117	1	04/20/2018 03:15	WG1100741
1,3-Dichloropropane	U		0.000242	0.00117	1	04/20/2018 03:15	WG1100741
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	04/20/2018 03:15	WG1100741
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	04/20/2018 03:15	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000908	0.00292	1	04/20/2018 03:15	WG1100741
2,2-Dichloropropane	U		0.000326	0.00117	1	04/20/2018 03:15	WG1100741
Di-isopropyl ether	U	J3	0.000290	0.00117	1	04/20/2018 03:15	WG1100741
Ethylbenzene	U		0.000347	0.00117	1	04/20/2018 03:15	WG1100741
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	04/20/2018 03:15	WG1100741
2-Hexanone	U		0.00160	0.0117	1	04/20/2018 03:15	WG1100741
n-Hexane	U	J0	0.000339	0.0117	1	04/20/2018 03:15	WG1100741
Iodomethane	U	J3	0.00295	0.0117	1	04/20/2018 03:15	WG1100741
Isopropylbenzene	U	J0	0.000284	0.00117	1	04/20/2018 03:15	WG1100741
p-Isopropyltoluene	U		0.000238	0.00117	1	04/20/2018 03:15	WG1100741
2-Butanone (MEK)	U	J0 J3	0.00546	0.0117	1	04/20/2018 03:15	WG1100741
Methylene Chloride	U		0.00117	0.00584	1	04/20/2018 03:15	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0117	1	04/20/2018 03:15	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	04/20/2018 03:15	WG1100741
Naphthalene	U		0.00117	0.00584	1	04/20/2018 03:15	WG1100741
n-Propylbenzene	U	J0	0.000241	0.00117	1	04/20/2018 03:15	WG1100741
Styrene	U	J0	0.000273	0.00117	1	04/20/2018 03:15	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	04/20/2018 03:15	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	04/20/2018 03:15	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000426	0.00117	1	04/20/2018 03:15	WG1100741
Tetrachloroethene	0.000505	J	0.000322	0.00117	1	04/20/2018 03:15	WG1100741
Toluene	U		0.000507	0.00584	1	04/20/2018 03:15	WG1100741
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	04/20/2018 03:15	WG1100741
1,2,4-Trichlorobenzene	U		0.000453	0.00117	1	04/20/2018 03:15	WG1100741
1,1,1-Trichloroethane	U		0.000334	0.00117	1	04/20/2018 03:15	WG1100741
1,1,2-Trichloroethane	U		0.000323	0.00117	1	04/20/2018 03:15	WG1100741
Trichloroethene	0.000332	J	0.000326	0.00117	1	04/20/2018 03:15	WG1100741
Trichlorofluoromethane	U		0.000446	0.00584	1	04/20/2018 03:15	WG1100741
1,2,3-Trichloropropane	U		0.000865	0.00292	1	04/20/2018 03:15	WG1100741
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	04/20/2018 03:15	WG1100741
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	04/20/2018 03:15	WG1100741
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	04/20/2018 03:15	WG1100741
Vinyl acetate	U	J0	0.00279	0.0117	1	04/20/2018 03:15	WG1100741
Vinyl chloride	U	J3	0.000340	0.00117	1	04/20/2018 03:15	WG1100741
Xylenes, Total	U		0.000815	0.00350	1	04/20/2018 03:15	WG1100741
(S) Toluene-d8	*102*			*80.0-120*		*04/20/2018 03:15*	WG1100741
(S) Dibromofluoromethane	*110*			*74.0-131*		*04/20/2018 03:15*	WG1100741
(S) 4-Bromofluorobenzene	*88.8*			*64.0-132*		*04/20/2018 03:15*	WG1100741

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0119	0.0593	1	04/20/2018 03:35	WG1100741
Acrylonitrile	U		0.00212	0.0119	1	04/20/2018 03:35	WG1100741
Benzene	U		0.000320	0.00119	1	04/20/2018 03:35	WG1100741
Bromobenzene	U		0.000337	0.00119	1	04/20/2018 03:35	WG1100741
Bromodichloromethane	U		0.000301	0.00119	1	04/20/2018 03:35	WG1100741
Bromochloromethane	U		0.000462	0.00593	1	04/20/2018 03:35	WG1100741
Bromoform	U		0.000503	0.00119	1	04/20/2018 03:35	WG1100741
Bromomethane	U	J3	0.00159	0.00593	1	04/20/2018 03:35	WG1100741
n-Butylbenzene	U		0.000306	0.00119	1	04/20/2018 03:35	WG1100741
sec-Butylbenzene	U		0.000238	0.00119	1	04/20/2018 03:35	WG1100741
tert-Butylbenzene	U		0.000244	0.00119	1	04/20/2018 03:35	WG1100741
Carbon disulfide	U	J0 J3	0.000262	0.00119	1	04/20/2018 03:35	WG1100741
Carbon tetrachloride	U		0.000389	0.00119	1	04/20/2018 03:35	WG1100741
Chlorobenzene	U		0.000251	0.00119	1	04/20/2018 03:35	WG1100741
Chlorodibromomethane	U		0.000442	0.00119	1	04/20/2018 03:35	WG1100741
Chloroethane	U	J3	0.00112	0.00593	1	04/20/2018 03:35	WG1100741
Chloroform	U		0.000272	0.00593	1	04/20/2018 03:35	WG1100741
Chloromethane	U	J3	0.000445	0.00296	1	04/20/2018 03:35	WG1100741
2-Chlorotoluene	U		0.000357	0.00119	1	04/20/2018 03:35	WG1100741
4-Chlorotoluene	U		0.000285	0.00119	1	04/20/2018 03:35	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00593	1	04/20/2018 03:35	WG1100741
1,2-Dibromoethane	U		0.000407	0.00119	1	04/20/2018 03:35	WG1100741
Dibromomethane	U		0.000453	0.00119	1	04/20/2018 03:35	WG1100741
1,2-Dichlorobenzene	U		0.000362	0.00119	1	04/20/2018 03:35	WG1100741
1,3-Dichlorobenzene	U		0.000283	0.00119	1	04/20/2018 03:35	WG1100741
1,4-Dichlorobenzene	U		0.000268	0.00119	1	04/20/2018 03:35	WG1100741
Dichlorodifluoromethane	U	J3	0.000846	0.00593	1	04/20/2018 03:35	WG1100741
1,1-Dichloroethane	U	J3	0.000236	0.00119	1	04/20/2018 03:35	WG1100741
1,2-Dichloroethane	U		0.000314	0.00119	1	04/20/2018 03:35	WG1100741
1,1-Dichloroethene	0.00118	J J3	0.000359	0.00119	1	04/20/2018 03:35	WG1100741
cis-1,2-Dichloroethene	0.100		0.000279	0.00119	1	04/20/2018 03:35	WG1100741
trans-1,2-Dichloroethene	0.00118	J	0.000313	0.00119	1	04/20/2018 03:35	WG1100741
1,2-Dichloropropane	U		0.000425	0.00119	1	04/20/2018 03:35	WG1100741
1,1-Dichloropropene	U		0.000376	0.00119	1	04/20/2018 03:35	WG1100741
1,3-Dichloropropane	U		0.000245	0.00119	1	04/20/2018 03:35	WG1100741
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	04/20/2018 03:35	WG1100741
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	04/20/2018 03:35	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000923	0.00296	1	04/20/2018 03:35	WG1100741
2,2-Dichloropropane	U		0.000331	0.00119	1	04/20/2018 03:35	WG1100741
Di-isopropyl ether	U	J3	0.000294	0.00119	1	04/20/2018 03:35	WG1100741
Ethylbenzene	U		0.000352	0.00119	1	04/20/2018 03:35	WG1100741
Hexachloro-1,3-butadiene	U		0.000406	0.00119	1	04/20/2018 03:35	WG1100741
2-Hexanone	U		0.00162	0.0119	1	04/20/2018 03:35	WG1100741
n-Hexane	U	J0	0.000344	0.0119	1	04/20/2018 03:35	WG1100741
Iodomethane	U	J3	0.00300	0.0119	1	04/20/2018 03:35	WG1100741
Isopropylbenzene	U	J0	0.000288	0.00119	1	04/20/2018 03:35	WG1100741
p-Isopropyltoluene	U		0.000242	0.00119	1	04/20/2018 03:35	WG1100741
2-Butanone (MEK)	U	J0 J3	0.00555	0.0119	1	04/20/2018 03:35	WG1100741
Methylene Chloride	U		0.00119	0.00593	1	04/20/2018 03:35	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	04/20/2018 03:35	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00119	1	04/20/2018 03:35	WG1100741
Naphthalene	U		0.00119	0.00593	1	04/20/2018 03:35	WG1100741
n-Propylbenzene	U	J0	0.000244	0.00119	1	04/20/2018 03:35	WG1100741
Styrene	U	J0	0.000277	0.00119	1	04/20/2018 03:35	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000313	0.00119	1	04/20/2018 03:35	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000433	0.00119	1	04/20/2018 03:35	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000433	0.00119	1	04/20/2018 03:35	WG1100741
Tetrachloroethene	0.790		0.00818	0.0296	25	04/25/2018 20:36	WG1100741
Toluene	U		0.000515	0.00593	1	04/20/2018 03:35	WG1100741
1,2,3-Trichlorobenzene	U		0.000363	0.00119	1	04/20/2018 03:35	WG1100741
1,2,4-Trichlorobenzene	U		0.000460	0.00119	1	04/20/2018 03:35	WG1100741
1,1,1-Trichloroethane	U		0.000339	0.00119	1	04/20/2018 03:35	WG1100741
1,1,2-Trichloroethane	U		0.000328	0.00119	1	04/20/2018 03:35	WG1100741
Trichloroethene	0.0668		0.000331	0.00119	1	04/20/2018 03:35	WG1100741
Trichlorofluoromethane	U		0.000453	0.00593	1	04/20/2018 03:35	WG1100741
1,2,3-Trichloropropane	U		0.000879	0.00296	1	04/20/2018 03:35	WG1100741
1,2,4-Trimethylbenzene	U		0.000250	0.00119	1	04/20/2018 03:35	WG1100741
1,2,3-Trimethylbenzene	U		0.000340	0.00119	1	04/20/2018 03:35	WG1100741
1,3,5-Trimethylbenzene	U		0.000315	0.00119	1	04/20/2018 03:35	WG1100741
Vinyl acetate	U	J0	0.00283	0.0119	1	04/20/2018 03:35	WG1100741
Vinyl chloride	U	J3	0.000345	0.00119	1	04/20/2018 03:35	WG1100741
Xylenes, Total	U		0.000828	0.00356	1	04/20/2018 03:35	WG1100741
(S) Toluene-d8	*112*			*80.0-120*		*04/25/2018 20:36*	WG1100741
(S) Toluene-d8	*95.6*			*80.0-120*		*04/20/2018 03:35*	WG1100741
(S) Dibromofluoromethane	*83.3*			*74.0-131*		*04/25/2018 20:36*	WG1100741
(S) Dibromofluoromethane	*111*			*74.0-131*		*04/20/2018 03:35*	WG1100741
(S) 4-Bromofluorobenzene	*93.8*			*64.0-132*		*04/25/2018 20:36*	WG1100741
(S) 4-Bromofluorobenzene	*85.9*			*64.0-132*		*04/20/2018 03:35*	WG1100741

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0144	J J0	0.0111	0.0557	1	04/25/2018 20:57	WG1100741
Acrylonitrile	U		0.00199	0.0111	1	04/25/2018 20:57	WG1100741
Benzene	U		0.000301	0.00111	1	04/25/2018 20:57	WG1100741
Bromobenzene	U		0.000316	0.00111	1	04/25/2018 20:57	WG1100741
Bromodichloromethane	U		0.000283	0.00111	1	04/25/2018 20:57	WG1100741
Bromochloromethane	U		0.000435	0.00557	1	04/25/2018 20:57	WG1100741
Bromoform	U		0.000472	0.00111	1	04/25/2018 20:57	WG1100741
Bromomethane	U	J0 J3	0.00149	0.00557	1	04/25/2018 20:57	WG1100741
n-Butylbenzene	U		0.000287	0.00111	1	04/25/2018 20:57	WG1100741
sec-Butylbenzene	U		0.000224	0.00111	1	04/25/2018 20:57	WG1100741
tert-Butylbenzene	U		0.000230	0.00111	1	04/25/2018 20:57	WG1100741
Carbon disulfide	0.000551	J J3	0.000246	0.00111	1	04/25/2018 20:57	WG1100741
Carbon tetrachloride	U		0.000365	0.00111	1	04/25/2018 20:57	WG1100741
Chlorobenzene	U		0.000236	0.00111	1	04/25/2018 20:57	WG1100741
Chlorodibromomethane	U		0.000416	0.00111	1	04/25/2018 20:57	WG1100741
Chloroethane	U	J0 J3	0.00105	0.00557	1	04/25/2018 20:57	WG1100741
Chloroform	U		0.000255	0.00557	1	04/25/2018 20:57	WG1100741
Chloromethane	U	J0 J3	0.000418	0.00279	1	04/25/2018 20:57	WG1100741
2-Chlorotoluene	U		0.000335	0.00111	1	04/25/2018 20:57	WG1100741
4-Chlorotoluene	U		0.000267	0.00111	1	04/25/2018 20:57	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	04/25/2018 20:57	WG1100741
1,2-Dibromoethane	U		0.000382	0.00111	1	04/25/2018 20:57	WG1100741
Dibromomethane	U		0.000426	0.00111	1	04/25/2018 20:57	WG1100741
1,2-Dichlorobenzene	U		0.000340	0.00111	1	04/25/2018 20:57	WG1100741
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/25/2018 20:57	WG1100741
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/25/2018 20:57	WG1100741
Dichlorodifluoromethane	U	J0 J3	0.000795	0.00557	1	04/25/2018 20:57	WG1100741
1,1-Dichloroethane	U	J3	0.000222	0.00111	1	04/25/2018 20:57	WG1100741
1,2-Dichloroethane	U		0.000295	0.00111	1	04/25/2018 20:57	WG1100741
1,1-Dichloroethene	U	J3	0.000338	0.00111	1	04/25/2018 20:57	WG1100741
cis-1,2-Dichloroethene	0.0691		0.000262	0.00111	1	04/25/2018 20:57	WG1100741
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/25/2018 20:57	WG1100741
1,2-Dichloropropane	U		0.000399	0.00111	1	04/25/2018 20:57	WG1100741
1,1-Dichloropropene	U		0.000353	0.00111	1	04/25/2018 20:57	WG1100741
1,3-Dichloropropane	U		0.000231	0.00111	1	04/25/2018 20:57	WG1100741
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/25/2018 20:57	WG1100741
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	04/25/2018 20:57	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000867	0.00279	1	04/25/2018 20:57	WG1100741
2,2-Dichloropropane	U		0.000311	0.00111	1	04/25/2018 20:57	WG1100741
Di-isopropyl ether	U	J3	0.000276	0.00111	1	04/25/2018 20:57	WG1100741
Ethylbenzene	U		0.000331	0.00111	1	04/25/2018 20:57	WG1100741
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/25/2018 20:57	WG1100741
2-Hexanone	U		0.00153	0.0111	1	04/25/2018 20:57	WG1100741
n-Hexane	U		0.000323	0.0111	1	04/25/2018 20:57	WG1100741
Iodomethane	U	J3	0.00282	0.0111	1	04/25/2018 20:57	WG1100741
Isopropylbenzene	U		0.000271	0.00111	1	04/25/2018 20:57	WG1100741
p-Isopropyltoluene	U		0.000227	0.00111	1	04/25/2018 20:57	WG1100741
2-Butanone (MEK)	0.00537	J J3	0.00521	0.0111	1	04/25/2018 20:57	WG1100741
Methylene Chloride	U		0.00111	0.00557	1	04/25/2018 20:57	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/25/2018 20:57	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/25/2018 20:57	WG1100741
Naphthalene	U		0.00111	0.00557	1	04/25/2018 20:57	WG1100741
n-Propylbenzene	U		0.000230	0.00111	1	04/25/2018 20:57	WG1100741
Styrene	U		0.000261	0.00111	1	04/25/2018 20:57	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/25/2018 20:57	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	04/25/2018 20:57	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000407	0.00111	1	04/25/2018 20:57	WG1100741
Tetrachloroethene	0.00641		0.000308	0.00111	1	04/25/2018 20:57	WG1100741
Toluene	U		0.000484	0.00557	1	04/25/2018 20:57	WG1100741
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	04/25/2018 20:57	WG1100741
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	04/25/2018 20:57	WG1100741
1,1,1-Trichloroethane	U		0.000319	0.00111	1	04/25/2018 20:57	WG1100741
1,1,2-Trichloroethane	U		0.000309	0.00111	1	04/25/2018 20:57	WG1100741
Trichloroethene	0.00474		0.000311	0.00111	1	04/25/2018 20:57	WG1100741
Trichlorofluoromethane	U		0.000426	0.00557	1	04/25/2018 20:57	WG1100741
1,2,3-Trichloropropane	U		0.000826	0.00279	1	04/25/2018 20:57	WG1100741
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/25/2018 20:57	WG1100741
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	04/25/2018 20:57	WG1100741
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/25/2018 20:57	WG1100741
Vinyl acetate	U		0.00266	0.0111	1	04/25/2018 20:57	WG1100741
Vinyl chloride	0.0160	J3	0.000324	0.00111	1	04/25/2018 20:57	WG1100741
Xylenes, Total	U		0.000778	0.00334	1	04/25/2018 20:57	WG1100741
(S) Toluene-d8	*103*			*80.0-120*		*04/25/2018 20:57*	WG1100741
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*04/25/2018 20:57*	WG1100741
(S) 4-Bromofluorobenzene	*93.9*			*64.0-132*		*04/25/2018 20:57*	WG1100741

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0548	1	04/20/2018 04:13	WG1100741
Acrylonitrile	U		0.00196	0.0110	1	04/20/2018 04:13	WG1100741
Benzene	U		0.000296	0.00110	1	04/20/2018 04:13	WG1100741
Bromobenzene	U		0.000311	0.00110	1	04/20/2018 04:13	WG1100741
Bromodichloromethane	U		0.000278	0.00110	1	04/20/2018 04:13	WG1100741
Bromochloromethane	U		0.000427	0.00548	1	04/20/2018 04:13	WG1100741
Bromoform	U		0.000465	0.00110	1	04/20/2018 04:13	WG1100741
Bromomethane	U	J3	0.00147	0.00548	1	04/20/2018 04:13	WG1100741
n-Butylbenzene	U		0.000283	0.00110	1	04/20/2018 04:13	WG1100741
sec-Butylbenzene	U		0.000220	0.00110	1	04/20/2018 04:13	WG1100741
tert-Butylbenzene	U		0.000226	0.00110	1	04/20/2018 04:13	WG1100741
Carbon disulfide	U	J0 J3	0.000242	0.00110	1	04/20/2018 04:13	WG1100741
Carbon tetrachloride	U		0.000359	0.00110	1	04/20/2018 04:13	WG1100741
Chlorobenzene	U		0.000232	0.00110	1	04/20/2018 04:13	WG1100741
Chlorodibromomethane	U		0.000409	0.00110	1	04/20/2018 04:13	WG1100741
Chloroethane	U	J3	0.00104	0.00548	1	04/20/2018 04:13	WG1100741
Chloroform	U		0.000251	0.00548	1	04/20/2018 04:13	WG1100741
Chloromethane	U	J3	0.000411	0.00274	1	04/20/2018 04:13	WG1100741
2-Chlorotoluene	U		0.000330	0.00110	1	04/20/2018 04:13	WG1100741
4-Chlorotoluene	U		0.000263	0.00110	1	04/20/2018 04:13	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00548	1	04/20/2018 04:13	WG1100741
1,2-Dibromoethane	U		0.000376	0.00110	1	04/20/2018 04:13	WG1100741
Dibromomethane	U		0.000419	0.00110	1	04/20/2018 04:13	WG1100741
1,2-Dichlorobenzene	U		0.000334	0.00110	1	04/20/2018 04:13	WG1100741
1,3-Dichlorobenzene	U		0.000262	0.00110	1	04/20/2018 04:13	WG1100741
1,4-Dichlorobenzene	U		0.000248	0.00110	1	04/20/2018 04:13	WG1100741
Dichlorodifluoromethane	U	J3	0.000781	0.00548	1	04/20/2018 04:13	WG1100741
1,1-Dichloroethane	U	J3	0.000218	0.00110	1	04/20/2018 04:13	WG1100741
1,2-Dichloroethane	U		0.000290	0.00110	1	04/20/2018 04:13	WG1100741
1,1-Dichloroethene	U	J3	0.000332	0.00110	1	04/20/2018 04:13	WG1100741
cis-1,2-Dichloroethene	0.00555		0.000257	0.00110	1	04/20/2018 04:13	WG1100741
trans-1,2-Dichloroethene	U		0.000289	0.00110	1	04/20/2018 04:13	WG1100741
1,2-Dichloropropane	U		0.000392	0.00110	1	04/20/2018 04:13	WG1100741
1,1-Dichloropropene	U		0.000347	0.00110	1	04/20/2018 04:13	WG1100741
1,3-Dichloropropane	U		0.000227	0.00110	1	04/20/2018 04:13	WG1100741
cis-1,3-Dichloropropene	U		0.000287	0.00110	1	04/20/2018 04:13	WG1100741
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	04/20/2018 04:13	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000852	0.00274	1	04/20/2018 04:13	WG1100741
2,2-Dichloropropane	U		0.000306	0.00110	1	04/20/2018 04:13	WG1100741
Di-isopropyl ether	U	J3	0.000272	0.00110	1	04/20/2018 04:13	WG1100741
Ethylbenzene	U		0.000325	0.00110	1	04/20/2018 04:13	WG1100741
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	04/20/2018 04:13	WG1100741
2-Hexanone	U		0.00150	0.0110	1	04/20/2018 04:13	WG1100741
n-Hexane	U	J0	0.000318	0.0110	1	04/20/2018 04:13	WG1100741
Iodomethane	U	J3	0.00277	0.0110	1	04/20/2018 04:13	WG1100741
Isopropylbenzene	U	J0	0.000266	0.00110	1	04/20/2018 04:13	WG1100741
p-Isopropyltoluene	U		0.000224	0.00110	1	04/20/2018 04:13	WG1100741
2-Butanone (MEK)	0.00735	J J0 J3	0.00513	0.0110	1	04/20/2018 04:13	WG1100741
Methylene Chloride	U		0.00110	0.00548	1	04/20/2018 04:13	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	04/20/2018 04:13	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00110	1	04/20/2018 04:13	WG1100741
Naphthalene	U		0.00110	0.00548	1	04/20/2018 04:13	WG1100741
n-Propylbenzene	U	J0	0.000226	0.00110	1	04/20/2018 04:13	WG1100741
Styrene	U	J0	0.000256	0.00110	1	04/20/2018 04:13	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000289	0.00110	1	04/20/2018 04:13	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000400	0.00110	1	04/20/2018 04:13	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000400	0.00110	1	04/20/2018 04:13	WG1100741
Tetrachloroethene	0.00390		0.000302	0.00110	1	04/20/2018 04:13	WG1100741
Toluene	U		0.000476	0.00548	1	04/20/2018 04:13	WG1100741
1,2,3-Trichlorobenzene	U		0.000335	0.00110	1	04/20/2018 04:13	WG1100741
1,2,4-Trichlorobenzene	U		0.000425	0.00110	1	04/20/2018 04:13	WG1100741
1,1,1-Trichloroethane	U		0.000313	0.00110	1	04/20/2018 04:13	WG1100741
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/20/2018 04:13	WG1100741
Trichloroethene	0.00180		0.000306	0.00110	1	04/20/2018 04:13	WG1100741
Trichlorofluoromethane	U		0.000419	0.00548	1	04/20/2018 04:13	WG1100741
1,2,3-Trichloropropane	U		0.000812	0.00274	1	04/20/2018 04:13	WG1100741
1,2,4-Trimethylbenzene	U		0.000231	0.00110	1	04/20/2018 04:13	WG1100741
1,2,3-Trimethylbenzene	U		0.000314	0.00110	1	04/20/2018 04:13	WG1100741
1,3,5-Trimethylbenzene	U		0.000291	0.00110	1	04/20/2018 04:13	WG1100741
Vinyl acetate	U	J0	0.00262	0.0110	1	04/20/2018 04:13	WG1100741
Vinyl chloride	0.00329	J3	0.000319	0.00110	1	04/20/2018 04:13	WG1100741
Xylenes, Total	U		0.000765	0.00329	1	04/20/2018 04:13	WG1100741
(S) Toluene-d8	*96.6*			*80.0-120*		*04/20/2018 04:13*	WG1100741
(S) Dibromofluoromethane	*115*			*74.0-131*		*04/20/2018 04:13*	WG1100741
(S) 4-Bromofluorobenzene	*89.8*			*64.0-132*		*04/20/2018 04:13*	WG1100741

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0551	1	04/20/2018 04:32	WG1100741
Acrylonitrile	U		0.00197	0.0110	1	04/20/2018 04:32	WG1100741
Benzene	U		0.000298	0.00110	1	04/20/2018 04:32	WG1100741
Bromobenzene	U		0.000313	0.00110	1	04/20/2018 04:32	WG1100741
Bromodichloromethane	U		0.000280	0.00110	1	04/20/2018 04:32	WG1100741
Bromochloromethane	U		0.000430	0.00551	1	04/20/2018 04:32	WG1100741
Bromoform	U		0.000467	0.00110	1	04/20/2018 04:32	WG1100741
Bromomethane	U	J3	0.00148	0.00551	1	04/20/2018 04:32	WG1100741
n-Butylbenzene	U		0.000284	0.00110	1	04/20/2018 04:32	WG1100741
sec-Butylbenzene	U		0.000222	0.00110	1	04/20/2018 04:32	WG1100741
tert-Butylbenzene	U		0.000227	0.00110	1	04/20/2018 04:32	WG1100741
Carbon disulfide	U	J0 J3	0.000244	0.00110	1	04/20/2018 04:32	WG1100741
Carbon tetrachloride	U		0.000362	0.00110	1	04/20/2018 04:32	WG1100741
Chlorobenzene	U		0.000234	0.00110	1	04/20/2018 04:32	WG1100741
Chlorodibromomethane	U		0.000411	0.00110	1	04/20/2018 04:32	WG1100741
Chloroethane	U	J3	0.00104	0.00551	1	04/20/2018 04:32	WG1100741
Chloroform	U		0.000252	0.00551	1	04/20/2018 04:32	WG1100741
Chloromethane	U	J3	0.000413	0.00276	1	04/20/2018 04:32	WG1100741
2-Chlorotoluene	U		0.000332	0.00110	1	04/20/2018 04:32	WG1100741
4-Chlorotoluene	U		0.000265	0.00110	1	04/20/2018 04:32	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/20/2018 04:32	WG1100741
1,2-Dibromoethane	U		0.000378	0.00110	1	04/20/2018 04:32	WG1100741
Dibromomethane	U		0.000421	0.00110	1	04/20/2018 04:32	WG1100741
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/20/2018 04:32	WG1100741
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/20/2018 04:32	WG1100741
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/20/2018 04:32	WG1100741
Dichlorodifluoromethane	U	J3	0.000786	0.00551	1	04/20/2018 04:32	WG1100741
1,1-Dichloroethane	U	J3	0.000219	0.00110	1	04/20/2018 04:32	WG1100741
1,2-Dichloroethane	U		0.000292	0.00110	1	04/20/2018 04:32	WG1100741
1,1-Dichloroethene	U	J3	0.000334	0.00110	1	04/20/2018 04:32	WG1100741
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	04/20/2018 04:32	WG1100741
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/20/2018 04:32	WG1100741
1,2-Dichloropropane	U		0.000395	0.00110	1	04/20/2018 04:32	WG1100741
1,1-Dichloropropene	U		0.000349	0.00110	1	04/20/2018 04:32	WG1100741
1,3-Dichloropropane	U		0.000228	0.00110	1	04/20/2018 04:32	WG1100741
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/20/2018 04:32	WG1100741
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/20/2018 04:32	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	04/20/2018 04:32	WG1100741
2,2-Dichloropropane	U		0.000308	0.00110	1	04/20/2018 04:32	WG1100741
Di-isopropyl ether	U	J3	0.000273	0.00110	1	04/20/2018 04:32	WG1100741
Ethylbenzene	U		0.000327	0.00110	1	04/20/2018 04:32	WG1100741
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/20/2018 04:32	WG1100741
2-Hexanone	U		0.00151	0.0110	1	04/20/2018 04:32	WG1100741
n-Hexane	U	J0	0.000320	0.0110	1	04/20/2018 04:32	WG1100741
Iodomethane	U	J3	0.00279	0.0110	1	04/20/2018 04:32	WG1100741
Isopropylbenzene	U	J0	0.000268	0.00110	1	04/20/2018 04:32	WG1100741
p-Isopropyltoluene	U		0.000225	0.00110	1	04/20/2018 04:32	WG1100741
2-Butanone (MEK)	U	J0 J3	0.00516	0.0110	1	04/20/2018 04:32	WG1100741
Methylene Chloride	U		0.00110	0.00551	1	04/20/2018 04:32	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/20/2018 04:32	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/20/2018 04:32	WG1100741
Naphthalene	U		0.00110	0.00551	1	04/20/2018 04:32	WG1100741
n-Propylbenzene	U	J0	0.000227	0.00110	1	04/20/2018 04:32	WG1100741
Styrene	U	J0	0.000258	0.00110	1	04/20/2018 04:32	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/20/2018 04:32	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/20/2018 04:32	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000402	0.00110	1	04/20/2018 04:32	WG1100741
Tetrachloroethene	U		0.000304	0.00110	1	04/20/2018 04:32	WG1100741
Toluene	U		0.000478	0.00551	1	04/20/2018 04:32	WG1100741
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/20/2018 04:32	WG1100741
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/20/2018 04:32	WG1100741
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/20/2018 04:32	WG1100741
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/20/2018 04:32	WG1100741
Trichloroethene	U		0.000308	0.00110	1	04/20/2018 04:32	WG1100741
Trichlorofluoromethane	U		0.000421	0.00551	1	04/20/2018 04:32	WG1100741
1,2,3-Trichloropropane	U		0.000817	0.00276	1	04/20/2018 04:32	WG1100741
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/20/2018 04:32	WG1100741
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/20/2018 04:32	WG1100741
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/20/2018 04:32	WG1100741
Vinyl acetate	U	J0	0.00263	0.0110	1	04/20/2018 04:32	WG1100741
Vinyl chloride	0.00255	J3	0.000321	0.00110	1	04/20/2018 04:32	WG1100741
Xylenes, Total	U		0.000769	0.00331	1	04/20/2018 04:32	WG1100741
(S) Toluene-d8	*99.9*			*80.0-120*		*04/20/2018 04:32*	WG1100741
(S) Dibromofluoromethane	*117*			*74.0-131*		*04/20/2018 04:32*	WG1100741
(S) 4-Bromofluorobenzene	*86.7*			*64.0-132*		*04/20/2018 04:32*	WG1100741

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0121	0.0606	1	04/25/2018 21:18	WG1100741
Acrylonitrile	U		0.00217	0.0121	1	04/25/2018 21:18	WG1100741
Benzene	U		0.000327	0.00121	1	04/25/2018 21:18	WG1100741
Bromobenzene	U		0.000344	0.00121	1	04/25/2018 21:18	WG1100741
Bromodichloromethane	U		0.000308	0.00121	1	04/25/2018 21:18	WG1100741
Bromochloromethane	U		0.000473	0.00606	1	04/25/2018 21:18	WG1100741
Bromoform	U		0.000514	0.00121	1	04/25/2018 21:18	WG1100741
Bromomethane	U	J0 J3	0.00163	0.00606	1	04/25/2018 21:18	WG1100741
n-Butylbenzene	U		0.000313	0.00121	1	04/25/2018 21:18	WG1100741
sec-Butylbenzene	U		0.000244	0.00121	1	04/25/2018 21:18	WG1100741
tert-Butylbenzene	U		0.000250	0.00121	1	04/25/2018 21:18	WG1100741
Carbon disulfide	0.000275	J J3	0.000268	0.00121	1	04/25/2018 21:18	WG1100741
Carbon tetrachloride	U		0.000398	0.00121	1	04/25/2018 21:18	WG1100741
Chlorobenzene	U		0.000257	0.00121	1	04/25/2018 21:18	WG1100741
Chlorodibromomethane	U		0.000452	0.00121	1	04/25/2018 21:18	WG1100741
Chloroethane	U	J0 J3	0.00115	0.00606	1	04/25/2018 21:18	WG1100741
Chloroform	U		0.000278	0.00606	1	04/25/2018 21:18	WG1100741
Chloromethane	U	J0 J3	0.000455	0.00303	1	04/25/2018 21:18	WG1100741
2-Chlorotoluene	U		0.000365	0.00121	1	04/25/2018 21:18	WG1100741
4-Chlorotoluene	U		0.000291	0.00121	1	04/25/2018 21:18	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00606	1	04/25/2018 21:18	WG1100741
1,2-Dibromoethane	U		0.000416	0.00121	1	04/25/2018 21:18	WG1100741
Dibromomethane	U		0.000463	0.00121	1	04/25/2018 21:18	WG1100741
1,2-Dichlorobenzene	U		0.000370	0.00121	1	04/25/2018 21:18	WG1100741
1,3-Dichlorobenzene	U		0.000290	0.00121	1	04/25/2018 21:18	WG1100741
1,4-Dichlorobenzene	U		0.000274	0.00121	1	04/25/2018 21:18	WG1100741
Dichlorodifluoromethane	U	J0 J3	0.000865	0.00606	1	04/25/2018 21:18	WG1100741
1,1-Dichloroethane	U	J3	0.000241	0.00121	1	04/25/2018 21:18	WG1100741
1,2-Dichloroethane	U		0.000321	0.00121	1	04/25/2018 21:18	WG1100741
1,1-Dichloroethene	U	J3	0.000368	0.00121	1	04/25/2018 21:18	WG1100741
cis-1,2-Dichloroethene	0.000290	J	0.000285	0.00121	1	04/25/2018 21:18	WG1100741
trans-1,2-Dichloroethene	U		0.000320	0.00121	1	04/25/2018 21:18	WG1100741
1,2-Dichloropropane	U		0.000434	0.00121	1	04/25/2018 21:18	WG1100741
1,1-Dichloropropene	U		0.000385	0.00121	1	04/25/2018 21:18	WG1100741
1,3-Dichloropropane	U		0.000251	0.00121	1	04/25/2018 21:18	WG1100741
cis-1,3-Dichloropropene	U		0.000318	0.00121	1	04/25/2018 21:18	WG1100741
trans-1,3-Dichloropropene	U		0.000324	0.00121	1	04/25/2018 21:18	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000944	0.00303	1	04/25/2018 21:18	WG1100741
2,2-Dichloropropane	U		0.000338	0.00121	1	04/25/2018 21:18	WG1100741
Di-isopropyl ether	U	J3	0.000301	0.00121	1	04/25/2018 21:18	WG1100741
Ethylbenzene	U		0.000360	0.00121	1	04/25/2018 21:18	WG1100741
Hexachloro-1,3-butadiene	U		0.000415	0.00121	1	04/25/2018 21:18	WG1100741
2-Hexanone	U		0.00166	0.0121	1	04/25/2018 21:18	WG1100741
n-Hexane	U		0.000352	0.0121	1	04/25/2018 21:18	WG1100741
Iodomethane	U	J3	0.00307	0.0121	1	04/25/2018 21:18	WG1100741
Isopropylbenzene	U		0.000295	0.00121	1	04/25/2018 21:18	WG1100741
p-Isopropyltoluene	U		0.000247	0.00121	1	04/25/2018 21:18	WG1100741
2-Butanone (MEK)	U	J3	0.00568	0.0121	1	04/25/2018 21:18	WG1100741
Methylene Chloride	U		0.00121	0.00606	1	04/25/2018 21:18	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	04/25/2018 21:18	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000257	0.00121	1	04/25/2018 21:18	WG1100741
Naphthalene	U		0.00121	0.00606	1	04/25/2018 21:18	WG1100741
n-Propylbenzene	U		0.000250	0.00121	1	04/25/2018 21:18	WG1100741
Styrene	U		0.000284	0.00121	1	04/25/2018 21:18	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000320	0.00121	1	04/25/2018 21:18	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000443	0.00121	1	04/25/2018 21:18	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000443	0.00121	1	04/25/2018 21:18	WG1100741
Tetrachloroethene	U		0.000335	0.00121	1	04/25/2018 21:18	WG1100741
Toluene	U		0.000526	0.00606	1	04/25/2018 21:18	WG1100741
1,2,3-Trichlorobenzene	U		0.000371	0.00121	1	04/25/2018 21:18	WG1100741
1,2,4-Trichlorobenzene	U		0.000471	0.00121	1	04/25/2018 21:18	WG1100741
1,1,1-Trichloroethane	U		0.000347	0.00121	1	04/25/2018 21:18	WG1100741
1,1,2-Trichloroethane	U		0.000336	0.00121	1	04/25/2018 21:18	WG1100741
Trichloroethene	U		0.000338	0.00121	1	04/25/2018 21:18	WG1100741
Trichlorofluoromethane	U		0.000463	0.00606	1	04/25/2018 21:18	WG1100741
1,2,3-Trichloropropane	U		0.000899	0.00303	1	04/25/2018 21:18	WG1100741
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	04/25/2018 21:18	WG1100741
1,2,3-Trimethylbenzene	U		0.000348	0.00121	1	04/25/2018 21:18	WG1100741
1,3,5-Trimethylbenzene	U		0.000323	0.00121	1	04/25/2018 21:18	WG1100741
Vinyl acetate	U		0.00290	0.0121	1	04/25/2018 21:18	WG1100741
Vinyl chloride	0.000544	J J3	0.000353	0.00121	1	04/25/2018 21:18	WG1100741
Xylenes, Total	U		0.000847	0.00364	1	04/25/2018 21:18	WG1100741
(S) Toluene-d8	*102*			*80.0-120*		*04/25/2018 21:18*	WG1100741
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*04/25/2018 21:18*	WG1100741
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*04/25/2018 21:18*	WG1100741

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0115	0.0574	1	04/20/2018 05:11	WG1100741
Acrylonitrile	U		0.00206	0.0115	1	04/20/2018 05:11	WG1100741
Benzene	U		0.000310	0.00115	1	04/20/2018 05:11	WG1100741
Bromobenzene	U		0.000326	0.00115	1	04/20/2018 05:11	WG1100741
Bromodichloromethane	U		0.000292	0.00115	1	04/20/2018 05:11	WG1100741
Bromochloromethane	U		0.000448	0.00574	1	04/20/2018 05:11	WG1100741
Bromoform	U		0.000487	0.00115	1	04/20/2018 05:11	WG1100741
Bromomethane	U	J3	0.00154	0.00574	1	04/20/2018 05:11	WG1100741
n-Butylbenzene	U		0.000296	0.00115	1	04/20/2018 05:11	WG1100741
sec-Butylbenzene	U		0.000231	0.00115	1	04/20/2018 05:11	WG1100741
tert-Butylbenzene	U		0.000237	0.00115	1	04/20/2018 05:11	WG1100741
Carbon disulfide	U	J0 J3	0.000254	0.00115	1	04/20/2018 05:11	WG1100741
Carbon tetrachloride	U		0.000377	0.00115	1	04/20/2018 05:11	WG1100741
Chlorobenzene	U		0.000243	0.00115	1	04/20/2018 05:11	WG1100741
Chlorodibromomethane	U		0.000428	0.00115	1	04/20/2018 05:11	WG1100741
Chloroethane	U	J3	0.00109	0.00574	1	04/20/2018 05:11	WG1100741
Chloroform	U		0.000263	0.00574	1	04/20/2018 05:11	WG1100741
Chloromethane	U	J3	0.000431	0.00287	1	04/20/2018 05:11	WG1100741
2-Chlorotoluene	U		0.000346	0.00115	1	04/20/2018 05:11	WG1100741
4-Chlorotoluene	U		0.000276	0.00115	1	04/20/2018 05:11	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	04/20/2018 05:11	WG1100741
1,2-Dibromoethane	U		0.000394	0.00115	1	04/20/2018 05:11	WG1100741
Dibromomethane	U		0.000439	0.00115	1	04/20/2018 05:11	WG1100741
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/20/2018 05:11	WG1100741
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/20/2018 05:11	WG1100741
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/20/2018 05:11	WG1100741
Dichlorodifluoromethane	U	J3	0.000819	0.00574	1	04/20/2018 05:11	WG1100741
1,1-Dichloroethane	U	J3	0.000229	0.00115	1	04/20/2018 05:11	WG1100741
1,2-Dichloroethane	U		0.000304	0.00115	1	04/20/2018 05:11	WG1100741
1,1-Dichloroethene	U	J3	0.000348	0.00115	1	04/20/2018 05:11	WG1100741
cis-1,2-Dichloroethene	0.000380	J	0.000270	0.00115	1	04/20/2018 05:11	WG1100741
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/20/2018 05:11	WG1100741
1,2-Dichloropropane	U		0.000411	0.00115	1	04/20/2018 05:11	WG1100741
1,1-Dichloropropene	U		0.000364	0.00115	1	04/20/2018 05:11	WG1100741
1,3-Dichloropropane	U		0.000238	0.00115	1	04/20/2018 05:11	WG1100741
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/20/2018 05:11	WG1100741
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/20/2018 05:11	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	04/20/2018 05:11	WG1100741
2,2-Dichloropropane	U		0.000320	0.00115	1	04/20/2018 05:11	WG1100741
Di-isopropyl ether	U	J3	0.000285	0.00115	1	04/20/2018 05:11	WG1100741
Ethylbenzene	U		0.000341	0.00115	1	04/20/2018 05:11	WG1100741
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	04/20/2018 05:11	WG1100741
2-Hexanone	U		0.00157	0.0115	1	04/20/2018 05:11	WG1100741
n-Hexane	U	J0	0.000333	0.0115	1	04/20/2018 05:11	WG1100741
Iodomethane	U	J3	0.00291	0.0115	1	04/20/2018 05:11	WG1100741
Isopropylbenzene	U	J0	0.000279	0.00115	1	04/20/2018 05:11	WG1100741
p-Isopropyltoluene	U		0.000234	0.00115	1	04/20/2018 05:11	WG1100741
2-Butanone (MEK)	U	J0 J3	0.00538	0.0115	1	04/20/2018 05:11	WG1100741
Methylene Chloride	U		0.00115	0.00574	1	04/20/2018 05:11	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/20/2018 05:11	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/20/2018 05:11	WG1100741
Naphthalene	U		0.00115	0.00574	1	04/20/2018 05:11	WG1100741
n-Propylbenzene	U	J0	0.000237	0.00115	1	04/20/2018 05:11	WG1100741
Styrene	U	J0	0.000269	0.00115	1	04/20/2018 05:11	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/20/2018 05:11	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	04/20/2018 05:11	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000419	0.00115	1	04/20/2018 05:11	WG1100741
Tetrachloroethene	0.000464	J	0.000317	0.00115	1	04/20/2018 05:11	WG1100741
Toluene	U		0.000498	0.00574	1	04/20/2018 05:11	WG1100741
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/20/2018 05:11	WG1100741
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	04/20/2018 05:11	WG1100741
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/20/2018 05:11	WG1100741
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/20/2018 05:11	WG1100741
Trichloroethene	U		0.000320	0.00115	1	04/20/2018 05:11	WG1100741
Trichlorofluoromethane	U		0.000439	0.00574	1	04/20/2018 05:11	WG1100741
1,2,3-Trichloropropane	U		0.000851	0.00287	1	04/20/2018 05:11	WG1100741
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/20/2018 05:11	WG1100741
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/20/2018 05:11	WG1100741
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/20/2018 05:11	WG1100741
Vinyl acetate	U	J0	0.00274	0.0115	1	04/20/2018 05:11	WG1100741
Vinyl chloride	0.000723	J J3	0.000334	0.00115	1	04/20/2018 05:11	WG1100741
Xylenes, Total	U		0.000802	0.00345	1	04/20/2018 05:11	WG1100741
(S) Toluene-d8	*98.6*			*80.0-120*		*04/20/2018 05:11*	WG1100741
(S) Dibromofluoromethane	*115*			*74.0-131*		*04/20/2018 05:11*	WG1100741
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*		*04/20/2018 05:11*	WG1100741

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0125	J J0	0.0112	0.0561	1	04/25/2018 21:40	WG1100741
Acrylonitrile	U		0.00201	0.0112	1	04/25/2018 21:40	WG1100741
Benzene	U		0.000303	0.00112	1	04/25/2018 21:40	WG1100741
Bromobenzene	U		0.000319	0.00112	1	04/25/2018 21:40	WG1100741
Bromodichloromethane	U		0.000285	0.00112	1	04/25/2018 21:40	WG1100741
Bromochloromethane	U		0.000437	0.00561	1	04/25/2018 21:40	WG1100741
Bromoform	U		0.000476	0.00112	1	04/25/2018 21:40	WG1100741
Bromomethane	U	J0 J3	0.00150	0.00561	1	04/25/2018 21:40	WG1100741
n-Butylbenzene	U		0.000289	0.00112	1	04/25/2018 21:40	WG1100741
sec-Butylbenzene	U		0.000225	0.00112	1	04/25/2018 21:40	WG1100741
tert-Butylbenzene	U		0.000231	0.00112	1	04/25/2018 21:40	WG1100741
Carbon disulfide	0.000685	J J3	0.000248	0.00112	1	04/25/2018 21:40	WG1100741
Carbon tetrachloride	U		0.000368	0.00112	1	04/25/2018 21:40	WG1100741
Chlorobenzene	U		0.000238	0.00112	1	04/25/2018 21:40	WG1100741
Chlorodibromomethane	U		0.000418	0.00112	1	04/25/2018 21:40	WG1100741
Chloroethane	U	J0 J3	0.00106	0.00561	1	04/25/2018 21:40	WG1100741
Chloroform	U		0.000257	0.00561	1	04/25/2018 21:40	WG1100741
Chloromethane	U	J0 J3	0.000421	0.00280	1	04/25/2018 21:40	WG1100741
2-Chlorotoluene	U		0.000338	0.00112	1	04/25/2018 21:40	WG1100741
4-Chlorotoluene	U		0.000269	0.00112	1	04/25/2018 21:40	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	04/25/2018 21:40	WG1100741
1,2-Dibromoethane	U		0.000385	0.00112	1	04/25/2018 21:40	WG1100741
Dibromomethane	U		0.000428	0.00112	1	04/25/2018 21:40	WG1100741
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/25/2018 21:40	WG1100741
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/25/2018 21:40	WG1100741
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/25/2018 21:40	WG1100741
Dichlorodifluoromethane	U	J0 J3	0.000800	0.00561	1	04/25/2018 21:40	WG1100741
1,1-Dichloroethane	U	J3	0.000223	0.00112	1	04/25/2018 21:40	WG1100741
1,2-Dichloroethane	U		0.000297	0.00112	1	04/25/2018 21:40	WG1100741
1,1-Dichloroethene	U	J3	0.000340	0.00112	1	04/25/2018 21:40	WG1100741
cis-1,2-Dichloroethene	0.000384	J	0.000264	0.00112	1	04/25/2018 21:40	WG1100741
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/25/2018 21:40	WG1100741
1,2-Dichloropropane	U		0.000402	0.00112	1	04/25/2018 21:40	WG1100741
1,1-Dichloropropene	U		0.000356	0.00112	1	04/25/2018 21:40	WG1100741
1,3-Dichloropropane	U		0.000232	0.00112	1	04/25/2018 21:40	WG1100741
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/25/2018 21:40	WG1100741
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/25/2018 21:40	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000873	0.00280	1	04/25/2018 21:40	WG1100741
2,2-Dichloropropane	U		0.000313	0.00112	1	04/25/2018 21:40	WG1100741
Di-isopropyl ether	U	J3	0.000278	0.00112	1	04/25/2018 21:40	WG1100741
Ethylbenzene	U		0.000333	0.00112	1	04/25/2018 21:40	WG1100741
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/25/2018 21:40	WG1100741
2-Hexanone	U		0.00154	0.0112	1	04/25/2018 21:40	WG1100741
n-Hexane	U		0.000325	0.0112	1	04/25/2018 21:40	WG1100741
Iodomethane	U	J3	0.00284	0.0112	1	04/25/2018 21:40	WG1100741
Isopropylbenzene	U		0.000273	0.00112	1	04/25/2018 21:40	WG1100741
p-Isopropyltoluene	U		0.000229	0.00112	1	04/25/2018 21:40	WG1100741
2-Butanone (MEK)	U	J3	0.00525	0.0112	1	04/25/2018 21:40	WG1100741
Methylene Chloride	U		0.00112	0.00561	1	04/25/2018 21:40	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/25/2018 21:40	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/25/2018 21:40	WG1100741
Naphthalene	U		0.00112	0.00561	1	04/25/2018 21:40	WG1100741
n-Propylbenzene	U		0.000231	0.00112	1	04/25/2018 21:40	WG1100741
Styrene	U		0.000262	0.00112	1	04/25/2018 21:40	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/25/2018 21:40	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/25/2018 21:40	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000409	0.00112	1	04/25/2018 21:40	WG1100741
Tetrachloroethene	0.000450	J	0.000310	0.00112	1	04/25/2018 21:40	WG1100741
Toluene	U		0.000487	0.00561	1	04/25/2018 21:40	WG1100741
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/25/2018 21:40	WG1100741
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/25/2018 21:40	WG1100741
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/25/2018 21:40	WG1100741
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/25/2018 21:40	WG1100741
Trichloroethene	U		0.000313	0.00112	1	04/25/2018 21:40	WG1100741
Trichlorofluoromethane	U		0.000428	0.00561	1	04/25/2018 21:40	WG1100741
1,2,3-Trichloropropane	U		0.000831	0.00280	1	04/25/2018 21:40	WG1100741
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/25/2018 21:40	WG1100741
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/25/2018 21:40	WG1100741
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/25/2018 21:40	WG1100741
Vinyl acetate	U		0.00268	0.0112	1	04/25/2018 21:40	WG1100741
Vinyl chloride	0.00180	J3	0.000326	0.00112	1	04/25/2018 21:40	WG1100741
Xylenes, Total	U		0.000783	0.00336	1	04/25/2018 21:40	WG1100741
(S) Toluene-d8	*101*			*80.0-120*		*04/25/2018 21:40*	WG1100741
(S) Dibromofluoromethane	*93.7*			*74.0-131*		*04/25/2018 21:40*	WG1100741
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*04/25/2018 21:40*	WG1100741

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0121	0.0604	1	04/20/2018 05:50	WG1100741
Acrylonitrile	U		0.00216	0.0121	1	04/20/2018 05:50	WG1100741
Benzene	U		0.000326	0.00121	1	04/20/2018 05:50	WG1100741
Bromobenzene	U		0.000343	0.00121	1	04/20/2018 05:50	WG1100741
Bromodichloromethane	U		0.000307	0.00121	1	04/20/2018 05:50	WG1100741
Bromochloromethane	U		0.000471	0.00604	1	04/20/2018 05:50	WG1100741
Bromoform	U		0.000513	0.00121	1	04/20/2018 05:50	WG1100741
Bromomethane	U	J3	0.00162	0.00604	1	04/20/2018 05:50	WG1100741
n-Butylbenzene	U		0.000312	0.00121	1	04/20/2018 05:50	WG1100741
sec-Butylbenzene	U		0.000243	0.00121	1	04/20/2018 05:50	WG1100741
tert-Butylbenzene	U		0.000249	0.00121	1	04/20/2018 05:50	WG1100741
Carbon disulfide	0.000697	J J0 J3	0.000267	0.00121	1	04/20/2018 05:50	WG1100741
Carbon tetrachloride	U		0.000397	0.00121	1	04/20/2018 05:50	WG1100741
Chlorobenzene	U		0.000256	0.00121	1	04/20/2018 05:50	WG1100741
Chlorodibromomethane	U		0.000451	0.00121	1	04/20/2018 05:50	WG1100741
Chloroethane	U	J3	0.00114	0.00604	1	04/20/2018 05:50	WG1100741
Chloroform	U		0.000277	0.00604	1	04/20/2018 05:50	WG1100741
Chloromethane	U	J3	0.000453	0.00302	1	04/20/2018 05:50	WG1100741
2-Chlorotoluene	U		0.000364	0.00121	1	04/20/2018 05:50	WG1100741
4-Chlorotoluene	U		0.000290	0.00121	1	04/20/2018 05:50	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00604	1	04/20/2018 05:50	WG1100741
1,2-Dibromoethane	U		0.000415	0.00121	1	04/20/2018 05:50	WG1100741
Dibromomethane	U		0.000462	0.00121	1	04/20/2018 05:50	WG1100741
1,2-Dichlorobenzene	U		0.000369	0.00121	1	04/20/2018 05:50	WG1100741
1,3-Dichlorobenzene	U		0.000289	0.00121	1	04/20/2018 05:50	WG1100741
1,4-Dichlorobenzene	U		0.000273	0.00121	1	04/20/2018 05:50	WG1100741
Dichlorodifluoromethane	U	J3	0.000862	0.00604	1	04/20/2018 05:50	WG1100741
1,1-Dichloroethane	U	J3	0.000241	0.00121	1	04/20/2018 05:50	WG1100741
1,2-Dichloroethane	U		0.000320	0.00121	1	04/20/2018 05:50	WG1100741
1,1-Dichloroethene	U	J3	0.000366	0.00121	1	04/20/2018 05:50	WG1100741
cis-1,2-Dichloroethene	U		0.000284	0.00121	1	04/20/2018 05:50	WG1100741
trans-1,2-Dichloroethene	U		0.000319	0.00121	1	04/20/2018 05:50	WG1100741
1,2-Dichloropropane	U		0.000433	0.00121	1	04/20/2018 05:50	WG1100741
1,1-Dichloropropene	U		0.000383	0.00121	1	04/20/2018 05:50	WG1100741
1,3-Dichloropropane	U		0.000250	0.00121	1	04/20/2018 05:50	WG1100741
cis-1,3-Dichloropropene	U		0.000317	0.00121	1	04/20/2018 05:50	WG1100741
trans-1,3-Dichloropropene	U		0.000323	0.00121	1	04/20/2018 05:50	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000941	0.00302	1	04/20/2018 05:50	WG1100741
2,2-Dichloropropane	U		0.000337	0.00121	1	04/20/2018 05:50	WG1100741
Di-isopropyl ether	U	J3	0.000300	0.00121	1	04/20/2018 05:50	WG1100741
Ethylbenzene	U		0.000359	0.00121	1	04/20/2018 05:50	WG1100741
Hexachloro-1,3-butadiene	U		0.000413	0.00121	1	04/20/2018 05:50	WG1100741
2-Hexanone	U		0.00166	0.0121	1	04/20/2018 05:50	WG1100741
n-Hexane	U	J0	0.000351	0.0121	1	04/20/2018 05:50	WG1100741
Iodomethane	U	J3	0.00306	0.0121	1	04/20/2018 05:50	WG1100741
Isopropylbenzene	U	J0	0.000294	0.00121	1	04/20/2018 05:50	WG1100741
p-Isopropyltoluene	U		0.000247	0.00121	1	04/20/2018 05:50	WG1100741
2-Butanone (MEK)	U	J0 J3	0.00566	0.0121	1	04/20/2018 05:50	WG1100741
Methylene Chloride	U		0.00121	0.00604	1	04/20/2018 05:50	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	04/20/2018 05:50	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000256	0.00121	1	04/20/2018 05:50	WG1100741
Naphthalene	U		0.00121	0.00604	1	04/20/2018 05:50	WG1100741
n-Propylbenzene	U	J0	0.000249	0.00121	1	04/20/2018 05:50	WG1100741
Styrene	U	J0	0.000283	0.00121	1	04/20/2018 05:50	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000319	0.00121	1	04/20/2018 05:50	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000441	0.00121	1	04/20/2018 05:50	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000441	0.00121	1	04/20/2018 05:50	WG1100741
Tetrachloroethene	U		0.000334	0.00121	1	04/20/2018 05:50	WG1100741
Toluene	U		0.000525	0.00604	1	04/20/2018 05:50	WG1100741
1,2,3-Trichlorobenzene	U		0.000370	0.00121	1	04/20/2018 05:50	WG1100741
1,2,4-Trichlorobenzene	U		0.000469	0.00121	1	04/20/2018 05:50	WG1100741
1,1,1-Trichloroethane	U		0.000346	0.00121	1	04/20/2018 05:50	WG1100741
1,1,2-Trichloroethane	U		0.000335	0.00121	1	04/20/2018 05:50	WG1100741
Trichloroethene	U		0.000337	0.00121	1	04/20/2018 05:50	WG1100741
Trichlorofluoromethane	U		0.000462	0.00604	1	04/20/2018 05:50	WG1100741
1,2,3-Trichloropropane	U		0.000896	0.00302	1	04/20/2018 05:50	WG1100741
1,2,4-Trimethylbenzene	U		0.000255	0.00121	1	04/20/2018 05:50	WG1100741
1,2,3-Trimethylbenzene	U		0.000347	0.00121	1	04/20/2018 05:50	WG1100741
1,3,5-Trimethylbenzene	U		0.000322	0.00121	1	04/20/2018 05:50	WG1100741
Vinyl acetate	U	J0	0.00289	0.0121	1	04/20/2018 05:50	WG1100741
Vinyl chloride	U	J3	0.000352	0.00121	1	04/20/2018 05:50	WG1100741
Xylenes, Total	U		0.000844	0.00363	1	04/20/2018 05:50	WG1100741
(S) Toluene-d8	*98.5*			*80.0-120*		*04/20/2018 05:50*	WG1100741
(S) Dibromofluoromethane	*121*			*74.0-131*		*04/20/2018 05:50*	WG1100741
(S) 4-Bromofluorobenzene	*86.5*			*64.0-132*		*04/20/2018 05:50*	WG1100741

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.1		1	04/21/2018 10:17	WG1101107

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0122	0.0609	1	04/25/2018 22:01	WG1100741
Acrylonitrile	U		0.00218	0.0122	1	04/25/2018 22:01	WG1100741
Benzene	U		0.000329	0.00122	1	04/25/2018 22:01	WG1100741
Bromobenzene	U		0.000346	0.00122	1	04/25/2018 22:01	WG1100741
Bromodichloromethane	U		0.000310	0.00122	1	04/25/2018 22:01	WG1100741
Bromochloromethane	U		0.000475	0.00609	1	04/25/2018 22:01	WG1100741
Bromoform	U		0.000517	0.00122	1	04/25/2018 22:01	WG1100741
Bromomethane	U	J0 J3	0.00163	0.00609	1	04/25/2018 22:01	WG1100741
n-Butylbenzene	U		0.000314	0.00122	1	04/25/2018 22:01	WG1100741
sec-Butylbenzene	U		0.000245	0.00122	1	04/25/2018 22:01	WG1100741
tert-Butylbenzene	U		0.000251	0.00122	1	04/25/2018 22:01	WG1100741
Carbon disulfide	U	J3	0.000269	0.00122	1	04/25/2018 22:01	WG1100741
Carbon tetrachloride	U		0.000400	0.00122	1	04/25/2018 22:01	WG1100741
Chlorobenzene	U		0.000258	0.00122	1	04/25/2018 22:01	WG1100741
Chlorodibromomethane	U		0.000455	0.00122	1	04/25/2018 22:01	WG1100741
Chloroethane	U	J0 J3	0.00115	0.00609	1	04/25/2018 22:01	WG1100741
Chloroform	U		0.000279	0.00609	1	04/25/2018 22:01	WG1100741
Chloromethane	U	J0 J3	0.000457	0.00305	1	04/25/2018 22:01	WG1100741
2-Chlorotoluene	U		0.000367	0.00122	1	04/25/2018 22:01	WG1100741
4-Chlorotoluene	U		0.000292	0.00122	1	04/25/2018 22:01	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00609	1	04/25/2018 22:01	WG1100741
1,2-Dibromoethane	U		0.000418	0.00122	1	04/25/2018 22:01	WG1100741
Dibromomethane	U		0.000466	0.00122	1	04/25/2018 22:01	WG1100741
1,2-Dichlorobenzene	U		0.000372	0.00122	1	04/25/2018 22:01	WG1100741
1,3-Dichlorobenzene	U		0.000291	0.00122	1	04/25/2018 22:01	WG1100741
1,4-Dichlorobenzene	U		0.000275	0.00122	1	04/25/2018 22:01	WG1100741
Dichlorodifluoromethane	U	J0 J3	0.000869	0.00609	1	04/25/2018 22:01	WG1100741
1,1-Dichloroethane	U	J3	0.000243	0.00122	1	04/25/2018 22:01	WG1100741
1,2-Dichloroethane	U		0.000323	0.00122	1	04/25/2018 22:01	WG1100741
1,1-Dichloroethene	0.000425	J J3	0.000369	0.00122	1	04/25/2018 22:01	WG1100741
cis-1,2-Dichloroethene	0.0506		0.000286	0.00122	1	04/25/2018 22:01	WG1100741
trans-1,2-Dichloroethene	0.000365	J	0.000322	0.00122	1	04/25/2018 22:01	WG1100741
1,2-Dichloropropane	U		0.000436	0.00122	1	04/25/2018 22:01	WG1100741
1,1-Dichloropropene	U		0.000386	0.00122	1	04/25/2018 22:01	WG1100741
1,3-Dichloropropane	U		0.000252	0.00122	1	04/25/2018 22:01	WG1100741
cis-1,3-Dichloropropene	U		0.000319	0.00122	1	04/25/2018 22:01	WG1100741
trans-1,3-Dichloropropene	U		0.000325	0.00122	1	04/25/2018 22:01	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000948	0.00305	1	04/25/2018 22:01	WG1100741
2,2-Dichloropropane	U		0.000340	0.00122	1	04/25/2018 22:01	WG1100741
Di-isopropyl ether	U	J3	0.000302	0.00122	1	04/25/2018 22:01	WG1100741
Ethylbenzene	U		0.000362	0.00122	1	04/25/2018 22:01	WG1100741
Hexachloro-1,3-butadiene	U		0.000417	0.00122	1	04/25/2018 22:01	WG1100741
2-Hexanone	U		0.00167	0.0122	1	04/25/2018 22:01	WG1100741
n-Hexane	U		0.000353	0.0122	1	04/25/2018 22:01	WG1100741
Iodomethane	U	J3	0.00308	0.0122	1	04/25/2018 22:01	WG1100741
Isopropylbenzene	U		0.000296	0.00122	1	04/25/2018 22:01	WG1100741
p-Isopropyltoluene	U		0.000249	0.00122	1	04/25/2018 22:01	WG1100741
2-Butanone (MEK)	U	J3	0.00570	0.0122	1	04/25/2018 22:01	WG1100741
Methylene Chloride	U		0.00122	0.00609	1	04/25/2018 22:01	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	04/25/2018 22:01	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000258	0.00122	1	04/25/2018 22:01	WG1100741
Naphthalene	U		0.00122	0.00609	1	04/25/2018 22:01	WG1100741
n-Propylbenzene	U		0.000251	0.00122	1	04/25/2018 22:01	WG1100741
Styrene	U		0.000285	0.00122	1	04/25/2018 22:01	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	04/25/2018 22:01	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	04/25/2018 22:01	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000445	0.00122	1	04/25/2018 22:01	WG1100741
Tetrachloroethene	0.0196		0.000336	0.00122	1	04/25/2018 22:01	WG1100741
Toluene	U		0.000529	0.00609	1	04/25/2018 22:01	WG1100741
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	04/25/2018 22:01	WG1100741
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	04/25/2018 22:01	WG1100741
1,1,1-Trichloroethane	U		0.000349	0.00122	1	04/25/2018 22:01	WG1100741
1,1,2-Trichloroethane	U		0.000338	0.00122	1	04/25/2018 22:01	WG1100741
Trichloroethene	0.0234		0.000340	0.00122	1	04/25/2018 22:01	WG1100741
Trichlorofluoromethane	U		0.000466	0.00609	1	04/25/2018 22:01	WG1100741
1,2,3-Trichloropropane	U		0.000903	0.00305	1	04/25/2018 22:01	WG1100741
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	04/25/2018 22:01	WG1100741
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	04/25/2018 22:01	WG1100741
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	04/25/2018 22:01	WG1100741
Vinyl acetate	U		0.00291	0.0122	1	04/25/2018 22:01	WG1100741
Vinyl chloride	U	J3	0.000355	0.00122	1	04/25/2018 22:01	WG1100741
Xylenes, Total	U		0.000851	0.00366	1	04/25/2018 22:01	WG1100741
(S) Toluene-d8	*104*			*80.0-120*		*04/25/2018 22:01*	WG1100741
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*04/25/2018 22:01*	WG1100741
(S) 4-Bromofluorobenzene	*92.1*			*64.0-132*		*04/25/2018 22:01*	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.80	J	1.05	25.0	1	04/20/2018 12:12	WG1100931
Acrylonitrile	U		0.873	5.00	1	04/20/2018 12:12	WG1100931
Benzene	U		0.0896	0.500	1	04/20/2018 12:12	WG1100931
Bromobenzene	U		0.133	0.500	1	04/20/2018 12:12	WG1100931
Bromodichloromethane	U		0.0800	0.500	1	04/20/2018 12:12	WG1100931
Bromochloromethane	U		0.145	0.500	1	04/20/2018 12:12	WG1100931
Bromoform	U		0.186	0.500	1	04/20/2018 12:12	WG1100931
Bromomethane	U		0.157	2.50	1	04/20/2018 12:12	WG1100931
n-Butylbenzene	U		0.143	0.500	1	04/20/2018 12:12	WG1100931
sec-Butylbenzene	U		0.134	0.500	1	04/20/2018 12:12	WG1100931
tert-Butylbenzene	U		0.183	0.500	1	04/20/2018 12:12	WG1100931
Carbon disulfide	U		0.101	0.500	1	04/20/2018 12:12	WG1100931
Carbon tetrachloride	U		0.159	0.500	1	04/20/2018 12:12	WG1100931
Chlorobenzene	U		0.140	0.500	1	04/20/2018 12:12	WG1100931
Chlorodibromomethane	U		0.128	0.500	1	04/20/2018 12:12	WG1100931
Chloroethane	U		0.141	2.50	1	04/20/2018 12:12	WG1100931
Chloroform	U		0.0860	0.500	1	04/20/2018 12:12	WG1100931
Chloromethane	U		0.153	1.25	1	04/20/2018 12:12	WG1100931
2-Chlorotoluene	U		0.111	0.500	1	04/20/2018 12:12	WG1100931
4-Chlorotoluene	U		0.0972	0.500	1	04/20/2018 12:12	WG1100931
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/20/2018 12:12	WG1100931
1,2-Dibromoethane	U		0.193	0.500	1	04/20/2018 12:12	WG1100931
Dibromomethane	U		0.117	0.500	1	04/20/2018 12:12	WG1100931
1,2-Dichlorobenzene	U		0.101	0.500	1	04/20/2018 12:12	WG1100931
1,3-Dichlorobenzene	U		0.130	0.500	1	04/20/2018 12:12	WG1100931
1,4-Dichlorobenzene	U		0.121	0.500	1	04/20/2018 12:12	WG1100931
Dichlorodifluoromethane	U		0.127	2.50	1	04/20/2018 12:12	WG1100931
1,1-Dichloroethane	U		0.114	0.500	1	04/20/2018 12:12	WG1100931
1,2-Dichloroethane	U		0.108	0.500	1	04/20/2018 12:12	WG1100931
1,1-Dichloroethene	U		0.188	0.500	1	04/20/2018 12:12	WG1100931
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/20/2018 12:12	WG1100931
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/20/2018 12:12	WG1100931
1,2-Dichloropropane	U		0.190	0.500	1	04/20/2018 12:12	WG1100931
1,1-Dichloropropene	U		0.128	0.500	1	04/20/2018 12:12	WG1100931
1,3-Dichloropropane	U		0.147	1.00	1	04/20/2018 12:12	WG1100931
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/20/2018 12:12	WG1100931
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/20/2018 12:12	WG1100931
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/20/2018 12:12	WG1100931
2,2-Dichloropropane	U		0.0929	0.500	1	04/20/2018 12:12	WG1100931
Di-isopropyl ether	U		0.0924	0.500	1	04/20/2018 12:12	WG1100931
Ethylbenzene	U		0.158	0.500	1	04/20/2018 12:12	WG1100931
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/20/2018 12:12	WG1100931
2-Hexanone	U		0.757	5.00	1	04/20/2018 12:12	WG1100931
n-Hexane	U		0.305	5.00	1	04/20/2018 12:12	WG1100931
Iodomethane	U		0.377	10.0	1	04/20/2018 12:12	WG1100931
Isopropylbenzene	U		0.126	0.500	1	04/20/2018 12:12	WG1100931
p-Isopropyltoluene	U		0.138	0.500	1	04/20/2018 12:12	WG1100931
2-Butanone (MEK)	U		1.28	5.00	1	04/20/2018 12:12	WG1100931
Methylene Chloride	U		1.07	2.50	1	04/20/2018 12:12	WG1100931
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/20/2018 12:12	WG1100931
Methyl tert-butyl ether	U		0.102	0.500	1	04/20/2018 12:12	WG1100931
Naphthalene	U		0.174	2.50	1	04/20/2018 12:12	WG1100931
n-Propylbenzene	U		0.162	0.500	1	04/20/2018 12:12	WG1100931
Styrene	U		0.117	0.500	1	04/20/2018 12:12	WG1100931
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/20/2018 12:12	WG1100931
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/20/2018 12:12	WG1100931

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/20/2018 12:12	WG1100931
Tetrachloroethene	U		0.199	0.500	1	04/20/2018 12:12	WG1100931
Toluene	U		0.412	0.500	1	04/20/2018 12:12	WG1100931
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/20/2018 12:12	WG1100931
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/20/2018 12:12	WG1100931
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/20/2018 12:12	WG1100931
1,1,2-Trichloroethane	U		0.186	0.500	1	04/20/2018 12:12	WG1100931
Trichloroethene	U		0.153	0.500	1	04/20/2018 12:12	WG1100931
Trichlorofluoromethane	U		0.130	2.50	1	04/20/2018 12:12	WG1100931
1,2,3-Trichloropropane	U		0.247	2.50	1	04/20/2018 12:12	WG1100931
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/20/2018 12:12	WG1100931
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/20/2018 12:12	WG1100931
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/20/2018 12:12	WG1100931
Vinyl acetate	U		0.645	5.00	1	04/20/2018 12:12	WG1100931
Vinyl chloride	U		0.118	0.500	1	04/20/2018 12:12	WG1100931
Xylenes, Total	U		0.316	1.50	1	04/20/2018 12:12	WG1100931
(S) Toluene-d8	*90.5*			*80.0-120*		*04/20/2018 12:12*	WG1100931
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/20/2018 12:12*	WG1100931
(S) 4-Bromofluorobenzene	*120*			*80.0-120*		*04/20/2018 12:12*	WG1100931

Method Blank (MB)

(MB) R3303859-1 04/21/18 09:15

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L987121-04 Original Sample (OS) • Duplicate (DUP)

(OS) L987121-04 04/21/18 09:15 • (DUP) R3303859-3 04/21/18 09:15

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.7	89.7	1	0.0788		5

Laboratory Control Sample (LCS)

(LCS) R3303859-2 04/21/18 09:15

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3303865-1 04/21/18 10:17

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L987137-01 Original Sample (OS) • Duplicate (DUP)

(OS) L987137-01 04/21/18 10:17 • (DUP) R3303865-3 04/21/18 10:17

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.9	79.7	1	0.252		5

Laboratory Control Sample (LCS)

(LCS) R3303865-2 04/21/18 10:17

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3304255-3 04/19/18 22:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3304255-3 04/19/18 22:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*105*			*80.0-120*
(S) Dibromofluoromethane	*103*			*74.0-131*
(S) 4-Bromofluorobenzene	*88.8*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304255-1 04/19/18 21:13 • (LCSD) R3304255-2 04/19/18 21:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0487	0.0546	38.9	43.7	11.0-160			11.5	23
Acrylonitrile	0.125	0.118	0.124	94.5	99.3	61.0-143			5.00	20
Benzene	0.0250	0.0247	0.0238	98.7	95.0	71.0-124			3.79	20
Bromobenzene	0.0250	0.0209	0.0208	83.7	83.2	78.0-120			0.521	20
Bromodichloromethane	0.0250	0.0238	0.0233	95.4	93.3	75.0-120			2.14	20
Bromochloromethane	0.0250	0.0299	0.0267	120	107	80.0-121			11.5	20
Bromoform	0.0250	0.0227	0.0215	90.7	86.1	65.0-133			5.14	20
Bromomethane	0.0250	0.0212	0.0262	84.8	105	26.0-160		J3	21.3	20
n-Butylbenzene	0.0250	0.0228	0.0228	91.1	91.0	73.0-126			0.0490	20
sec-Butylbenzene	0.0250	0.0212	0.0218	84.8	87.2	75.0-121			2.74	20
tert-Butylbenzene	0.0250	0.0211	0.0210	84.4	83.8	74.0-122			0.691	20
Carbon disulfide	0.0250	0.0161	0.0221	64.4	88.3	53.0-130		J3	31.3	20
Carbon tetrachloride	0.0250	0.0230	0.0226	92.2	90.2	66.0-123			2.13	20
Chlorobenzene	0.0250	0.0242	0.0243	96.9	97.2	79.0-121			0.303	20
Chlorodibromomethane	0.0250	0.0251	0.0241	100	96.6	74.0-128			3.89	20
Chloroethane	0.0250	0.0163	0.0207	65.3	82.8	51.0-147		J3	23.5	20
Chloroform	0.0250	0.0270	0.0253	108	101	73.0-123			6.63	20
Chloromethane	0.0250	0.0163	0.0201	65.2	80.3	51.0-138		J3	20.7	20
2-Chlorotoluene	0.0250	0.0239	0.0230	95.5	92.0	72.0-124			3.71	20
4-Chlorotoluene	0.0250	0.0214	0.0218	85.6	87.1	78.0-120			1.69	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0228	0.0224	91.3	89.5	65.0-126			1.95	20
1,2-Dibromoethane	0.0250	0.0257	0.0243	103	97.0	78.0-122			5.69	20
Dibromomethane	0.0250	0.0256	0.0241	102	96.6	79.0-120			5.74	20
1,2-Dichlorobenzene	0.0250	0.0253	0.0258	101	103	80.0-120			1.79	20
1,3-Dichlorobenzene	0.0250	0.0242	0.0241	96.7	96.4	72.0-123			0.302	20
1,4-Dichlorobenzene	0.0250	0.0249	0.0256	99.8	103	77.0-120			2.74	20
trans-1,4-Dichloro-2-butene	0.0250	0.0270	0.0237	108	94.6	68.0-126			13.2	20
Dichlorodifluoromethane	0.0250	0.0167	0.0230	66.8	91.8	49.0-155		J3	31.6	20
1,1-Dichloroethane	0.0250	0.0186	0.0239	74.3	95.5	70.0-128		J3	25.0	20
1,2-Dichloroethane	0.0250	0.0223	0.0265	89.0	106	69.0-128			17.5	20
1,1-Dichloroethene	0.0250	0.0181	0.0247	72.3	98.6	63.0-131		J3	30.8	20
cis-1,2-Dichloroethene	0.0250	0.0262	0.0241	105	96.3	74.0-123			8.23	20
trans-1,2-Dichloroethene	0.0250	0.0188	0.0224	75.3	89.6	72.0-122			17.4	20
1,2-Dichloropropane	0.0250	0.0241	0.0241	96.4	96.5	75.0-126			0.128	20
1,1-Dichloropropene	0.0250	0.0254	0.0239	101	95.4	72.0-130			6.07	20
1,3-Dichloropropane	0.0250	0.0251	0.0239	101	95.7	80.0-121			4.90	20
cis-1,3-Dichloropropene	0.0250	0.0256	0.0244	103	97.5	80.0-125			5.01	20
trans-1,3-Dichloropropene	0.0250	0.0263	0.0249	105	99.7	75.0-129			5.22	20
2,2-Dichloropropane	0.0250	0.0231	0.0226	92.4	90.4	60.0-129			2.23	20
Di-isopropyl ether	0.0250	0.0190	0.0244	76.2	97.6	62.0-133		J3	24.6	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304255-1 04/19/18 21:13 • (LCSD) R3304255-2 04/19/18 21:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0223	0.0223	89.3	89.3	77.0-120			0.0343	20
Hexachloro-1,3-butadiene	0.0250	0.0208	0.0211	83.2	84.5	68.0-128			1.54	20
2-Hexanone	0.125	0.120	0.111	96.2	89.2	61.0-143			7.63	20
n-Hexane	0.0250	0.0157	0.0183	63.0	73.4	57.0-125			15.2	20
Iodomethane	0.125	0.105	0.143	83.7	114	67.0-132		J3	31.0	20
Isopropylbenzene	0.0250	0.0197	0.0192	78.7	76.7	75.0-120			2.61	20
p-Isopropyltoluene	0.0250	0.0221	0.0229	88.4	91.6	74.0-125			3.56	20
2-Butanone (MEK)	0.125	0.113	0.0917	90.6	73.3	37.0-159		J3	21.1	20
Methylene Chloride	0.0250	0.0191	0.0229	76.2	91.6	67.0-123			18.4	20
4-Methyl-2-pentanone (MIBK)	0.125	0.128	0.114	102	91.2	60.0-144			11.7	20
Methyl tert-butyl ether	0.0250	0.0207	0.0238	83.0	95.2	66.0-125			13.7	20
Naphthalene	0.0250	0.0245	0.0250	97.8	100	64.0-125			2.19	20
n-Propylbenzene	0.0250	0.0200	0.0201	80.1	80.4	78.0-120			0.392	20
Styrene	0.0250	0.0199	0.0195	79.7	78.2	78.0-124			1.94	20
1,1,1,2-Tetrachloroethane	0.0250	0.0231	0.0231	92.3	92.4	74.0-124			0.0329	20
1,1,2,2-Tetrachloroethane	0.0250	0.0233	0.0226	93.1	90.2	73.0-120			3.18	20
Tetrachloroethene	0.0250	0.0243	0.0228	97.1	91.4	70.0-127			6.07	20
Toluene	0.0250	0.0234	0.0225	93.6	89.9	77.0-120			4.03	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0193	0.0266	77.1	106	64.0-135		J3	31.9	20
1,2,3-Trichlorobenzene	0.0250	0.0232	0.0243	92.8	97.3	68.0-126			4.72	20
1,2,4-Trichlorobenzene	0.0250	0.0217	0.0231	86.8	92.2	70.0-127			6.01	20
1,1,1-Trichloroethane	0.0250	0.0242	0.0231	96.7	92.4	69.0-125			4.51	20
1,1,2-Trichloroethane	0.0250	0.0257	0.0248	103	99.4	78.0-120			3.23	20
Trichloroethene	0.0250	0.0258	0.0258	103	103	79.0-120			0.210	20
Trichlorofluoromethane	0.0250	0.0202	0.0246	80.9	98.5	59.0-136			19.6	20
1,2,3-Trichloropropane	0.0250	0.0250	0.0228	100	91.3	73.0-124			9.09	20
1,2,3-Trimethylbenzene	0.0250	0.0256	0.0262	103	105	76.0-120			2.14	20
1,2,4-Trimethylbenzene	0.0250	0.0214	0.0219	85.4	87.6	75.0-120			2.54	20
1,3,5-Trimethylbenzene	0.0250	0.0226	0.0220	90.4	87.9	75.0-120			2.83	20
Vinyl acetate	0.125	0.135	0.120	108	96.1	58.0-156			12.0	20
Vinyl chloride	0.0250	0.0166	0.0213	66.3	85.2	63.0-134		J3	25.0	20
Xylenes, Total	0.0750	0.0684	0.0693	91.2	92.4	77.0-120			1.31	20
(S) Toluene-d8				*104*	*99.0*	*80.0-120*				
(S) Dibromofluoromethane				*109*	*104*	*74.0-131*				
(S) 4-Bromofluorobenzene				*81.0*	*79.2*	*64.0-132*				

L987094-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L987094-05 04/20/18 02:37 • (MS) R3304255-4 04/20/18 06:29 • (MSD) R3304255-5 04/20/18 06:49

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	2.35	2.18	75.2	69.7	25	10.0-160			7.58	36
Acrylonitrile	0.125	ND	2.85	2.68	91.1	85.8	25	14.0-160			6.00	33
Benzene	0.0250	ND	0.562	0.517	90.0	82.7	25	13.0-146			8.42	27
Bromobenzene	0.0250	ND	0.536	0.503	85.8	80.5	25	10.0-149			6.35	33
Bromodichloromethane	0.0250	ND	0.736	0.571	118	91.4	25	15.0-142			25.2	28
Bromochloromethane	0.0250	ND	0.641	0.631	103	101	25	24.0-146			1.55	27
Bromoform	0.0250	ND	0.529	0.581	84.6	92.9	25	10.0-147			9.35	31
Bromomethane	0.0250	ND	0.636	0.584	102	93.4	25	10.0-160			8.56	32
n-Butylbenzene	0.0250	ND	0.550	0.475	88.0	75.9	25	10.0-154			14.7	37
sec-Butylbenzene	0.0250	ND	0.532	0.485	85.1	77.6	25	10.0-151			9.22	36
tert-Butylbenzene	0.0250	ND	0.520	0.494	83.2	79.1	25	10.0-152			5.01	35
Carbon disulfide	0.0250	ND	0.564	0.524	90.3	83.8	25	10.0-141			7.45	30
Carbon tetrachloride	0.0250	ND	0.504	0.482	80.6	77.1	25	13.0-140			4.50	30
Chlorobenzene	0.0250	ND	0.526	0.581	84.2	92.9	25	10.0-149			9.83	31
Chlorodibromomethane	0.0250	ND	0.598	0.634	95.7	101	25	12.0-147			5.71	29
Chloroethane	0.0250	ND	0.373	0.297	59.6	47.5	25	10.0-159			22.7	33
Chloroform	0.0250	ND	0.608	0.572	97.3	91.6	25	18.0-148			6.02	28
Chloromethane	0.0250	ND	0.599	0.529	95.9	84.7	25	10.0-146			12.4	29
2-Chlorotoluene	0.0250	ND	0.565	0.517	90.4	82.8	25	10.0-151			8.79	35
4-Chlorotoluene	0.0250	ND	0.532	0.502	85.1	80.3	25	10.0-150			5.82	35
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.505	0.575	80.9	91.9	25	10.0-149			12.8	34
1,2-Dibromoethane	0.0250	ND	0.609	0.605	97.4	96.8	25	14.0-145			0.590	28
Dibromomethane	0.0250	ND	0.767	0.587	123	93.9	25	18.0-144			26.7	27
1,2-Dichlorobenzene	0.0250	ND	0.609	0.615	97.5	98.5	25	10.0-153			1.03	34
1,3-Dichlorobenzene	0.0250	ND	0.602	0.563	96.3	90.1	25	10.0-150			6.70	35
1,4-Dichlorobenzene	0.0250	ND	0.614	0.587	98.3	93.9	25	10.0-148			4.52	34
trans-1,4-Dichloro-2-butene	0.0250	ND	0.609	0.593	97.4	94.9	25	10.0-160			2.64	40
Dichlorodifluoromethane	0.0250	ND	0.688	0.597	110	95.5	25	10.0-160			14.3	30
1,1-Dichloroethane	0.0250	ND	0.557	0.512	89.2	81.9	25	19.0-148			8.56	28
1,2-Dichloroethane	0.0250	ND	0.608	0.573	97.3	91.6	25	17.0-147			5.98	27
1,1-Dichloroethene	0.0250	ND	0.657	0.626	105	100	25	10.0-150			4.91	31
cis-1,2-Dichloroethene	0.0250	ND	0.574	0.552	91.9	88.4	25	16.0-145			3.86	28
trans-1,2-Dichloroethene	0.0250	ND	0.553	0.520	88.5	83.2	25	11.0-142			6.16	29
1,2-Dichloropropane	0.0250	ND	0.760	0.541	122	86.6	25	17.0-148		J3	33.6	28
1,1-Dichloropropene	0.0250	ND	0.515	0.484	82.4	77.5	25	10.0-150			6.16	30
1,3-Dichloropropane	0.0250	ND	0.618	0.596	98.9	95.4	25	16.0-148			3.59	27
cis-1,3-Dichloropropene	0.0250	ND	0.604	0.583	96.6	93.3	25	13.0-150			3.42	28
trans-1,3-Dichloropropene	0.0250	ND	0.619	0.589	99.1	94.2	25	10.0-152			5.02	29
2,2-Dichloropropane	0.0250	ND	0.417	0.374	66.6	59.9	25	16.0-143			10.6	30
Di-isopropyl ether	0.0250	ND	0.559	0.533	89.5	85.2	25	16.0-149			4.84	28

L987094-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L987094-05 04/20/18 02:37 • (MS) R3304255-4 04/20/18 06:29 • (MSD) R3304255-5 04/20/18 06:49

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	ND	0.492	0.539	78.7	86.2	25	10.0-147			9.14	31
Hexachloro-1,3-butadiene	0.0250	ND	0.516	0.552	82.5	88.4	25	10.0-154			6.87	40
2-Hexanone	0.125	ND	3.43	3.24	110	104	25	12.0-158			5.51	30
n-Hexane	0.0250	ND	0.479	0.427	76.7	68.4	25	10.0-140			11.5	34
Iodomethane	0.125	ND	3.83	3.75	123	120	25	10.0-157			2.22	34
Isopropylbenzene	0.0250	ND	0.468	0.455	74.8	72.8	25	10.0-147			2.67	33
p-Isopropyltoluene	0.0250	ND	0.530	0.493	84.8	78.8	25	10.0-156			7.34	37
2-Butanone (MEK)	0.125	ND	2.64	2.68	84.5	85.6	25	10.0-160			1.30	33
Methylene Chloride	0.0250	ND	0.631	0.587	96.6	89.6	25	16.0-139			7.14	29
4-Methyl-2-pentanone (MIBK)	0.125	ND	3.21	2.87	103	91.8	25	12.0-160			11.3	32
Methyl tert-butyl ether	0.0250	ND	0.655	0.629	105	101	25	21.0-145			4.03	29
Naphthalene	0.0250	ND	0.558	0.647	89.3	104	25	10.0-153			14.7	36
n-Propylbenzene	0.0250	ND	0.486	0.463	77.8	74.1	25	10.0-151			4.94	34
Styrene	0.0250	ND	0.510	0.506	81.6	80.9	25	10.0-155			0.836	34
1,1,1,2-Tetrachloroethane	0.0250	ND	0.516	0.585	82.6	93.6	25	10.0-147			12.4	30
1,1,2,2-Tetrachloroethane	0.0250	ND	0.466	0.454	74.6	72.6	25	10.0-155			2.68	31
Tetrachloroethene	0.0250	ND	0.557	0.547	89.1	87.5	25	10.0-144			1.82	32
Toluene	0.0250	ND	0.581	0.535	93.0	85.6	25	10.0-144			8.24	28
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.745	0.707	119	113	25	10.0-153			5.29	33
1,2,3-Trichlorobenzene	0.0250	ND	0.583	0.673	93.3	108	25	10.0-153			14.3	40
1,2,4-Trichlorobenzene	0.0250	ND	0.549	0.606	87.8	96.9	25	10.0-156			9.82	40
1,1,1-Trichloroethane	0.0250	ND	0.502	0.465	80.2	74.4	25	18.0-145			7.53	29
1,1,2-Trichloroethane	0.0250	ND	0.626	0.615	100	98.5	25	12.0-151			1.71	28
Trichloroethene	0.0250	ND	0.660	0.626	106	100	25	11.0-148			5.25	29
Trichlorofluoromethane	0.0250	ND	0.656	0.555	105	88.9	25	10.0-157			16.5	34
1,2,3-Trichloropropane	0.0250	ND	0.559	0.569	89.4	91.1	25	10.0-154			1.86	32
1,2,3-Trimethylbenzene	0.0250	ND	0.644	0.576	103	92.2	25	10.0-150			11.1	33
1,2,4-Trimethylbenzene	0.0250	ND	0.538	0.504	86.1	80.6	25	10.0-151			6.63	34
1,3,5-Trimethylbenzene	0.0250	ND	0.538	0.500	86.1	80.0	25	10.0-150			7.32	33
Vinyl acetate	0.125	ND	0.385	0.324	12.3	10.4	25	10.0-160			17.2	40
Vinyl chloride	0.0250	ND	0.576	0.536	92.2	85.8	25	10.0-150			7.21	29
Xylenes, Total	0.0750	ND	1.52	1.66	81.3	88.3	25	10.0-150			8.24	31
(S) Toluene-d8					*105*	*103*		*80.0-120*				
(S) Dibromofluoromethane					*102*	*102*		*74.0-131*				
(S) 4-Bromofluorobenzene					*78.2*	*83.9*		*64.0-132*				

Method Blank (MB)

(MB) R3303992-3 04/20/18 10:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3303992-3 04/20/18 10:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*99.4*			*76.0-123*
(S) 4-Bromofluorobenzene	*108*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3303992-1 04/20/18 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	191	153	10.0-160	
Acrylonitrile	125	125	99.8	60.0-142	
Benzene	25.0	21.8	87.0	69.0-123	
Bromobenzene	25.0	23.6	94.5	79.0-120	
Bromodichloromethane	25.0	24.5	97.8	76.0-120	
Bromochloromethane	25.0	24.9	99.5	76.0-122	
Bromoform	25.0	28.8	115	67.0-132	
Bromomethane	25.0	21.4	85.7	18.0-160	
n-Butylbenzene	25.0	26.0	104	72.0-126	
sec-Butylbenzene	25.0	25.0	100	74.0-121	
tert-Butylbenzene	25.0	25.2	101	75.0-122	
Carbon disulfide	25.0	21.8	87.3	55.0-127	
Carbon tetrachloride	25.0	25.9	103	63.0-122	
Chlorobenzene	25.0	23.8	95.3	79.0-121	
Chlorodibromomethane	25.0	26.2	105	75.0-125	
Chloroethane	25.0	21.3	85.3	47.0-152	
Chloroform	25.0	23.6	94.5	72.0-121	
Chloromethane	25.0	19.1	76.3	48.0-139	
2-Chlorotoluene	25.0	23.8	95.3	74.0-122	
4-Chlorotoluene	25.0	24.6	98.5	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	25.2	101	64.0-127	
1,2-Dibromoethane	25.0	24.5	97.9	77.0-123	
Dibromomethane	25.0	24.4	97.7	78.0-120	
1,2-Dichlorobenzene	25.0	23.6	94.6	80.0-120	
1,3-Dichlorobenzene	25.0	24.2	96.6	72.0-123	
1,4-Dichlorobenzene	25.0	23.4	93.7	77.0-120	
Dichlorodifluoromethane	25.0	22.8	91.2	49.0-155	
1,1-Dichloroethane	25.0	23.6	94.3	70.0-126	
1,2-Dichloroethane	25.0	25.9	104	67.0-126	
1,1-Dichloroethene	25.0	22.5	89.9	64.0-129	
cis-1,2-Dichloroethene	25.0	22.3	89.1	73.0-120	
trans-1,2-Dichloroethene	25.0	23.4	93.5	71.0-121	
1,2-Dichloropropane	25.0	23.4	93.4	75.0-125	
1,1-Dichloropropene	25.0	24.0	96.0	71.0-129	
1,3-Dichloropropane	25.0	23.5	93.9	80.0-121	
cis-1,3-Dichloropropene	25.0	25.3	101	79.0-123	
trans-1,3-Dichloropropene	25.0	25.2	101	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	30.1	120	55.0-134	
2,2-Dichloropropane	25.0	27.5	110	60.0-125	
Di-isopropyl ether	25.0	24.6	98.6	59.0-133	

Laboratory Control Sample (LCS)

(LCS) R3303992-1 04/20/18 09:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	25.0	24.5	98.1	77.0-120	
Hexachloro-1,3-butadiene	25.0	26.7	107	64.0-131	
2-Hexanone	125	132	106	58.0-147	
n-Hexane	25.0	24.2	96.7	56.0-124	
Iodomethane	125	116	92.9	57.0-140	
Isopropylbenzene	25.0	24.9	99.5	75.0-120	
p-Isopropyltoluene	25.0	25.9	104	74.0-126	
2-Butanone (MEK)	125	170	136	37.0-158	
Methylene Chloride	25.0	23.1	92.5	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	123	98.6	59.0-143	
Methyl tert-butyl ether	25.0	25.9	104	64.0-123	
Naphthalene	25.0	23.0	92.0	62.0-128	
n-Propylbenzene	25.0	24.3	97.1	79.0-120	
Styrene	25.0	25.2	101	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	25.4	102	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	23.8	95.2	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	23.1	92.5	61.0-136	
Tetrachloroethene	25.0	25.4	102	70.0-127	
Toluene	25.0	23.4	93.7	77.0-120	
1,2,3-Trichlorobenzene	25.0	22.1	88.4	61.0-133	
1,2,4-Trichlorobenzene	25.0	23.4	93.5	69.0-129	
1,1,1-Trichloroethane	25.0	25.3	101	68.0-122	
1,1,2-Trichloroethane	25.0	23.9	95.8	78.0-120	
Trichloroethene	25.0	24.5	98.1	78.0-120	
Trichlorofluoromethane	25.0	22.5	90.0	56.0-137	
1,2,3-Trichloropropane	25.0	25.2	101	72.0-124	
1,2,4-Trimethylbenzene	25.0	25.4	102	75.0-120	
1,2,3-Trimethylbenzene	25.0	25.1	100	75.0-120	
1,3,5-Trimethylbenzene	25.0	24.6	98.3	75.0-120	
Vinyl acetate	125	125	99.8	46.0-160	
Vinyl chloride	25.0	22.2	88.6	64.0-133	
Xylenes, Total	75.0	72.0	96.0	77.0-120	
(S) Toluene-d8			*95.9*	*80.0-120*	
(S) Dibromofluoromethane			*100*	*76.0-123*	
(S) 4-Bromofluorobenzene			*103*	*80.0-120*	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

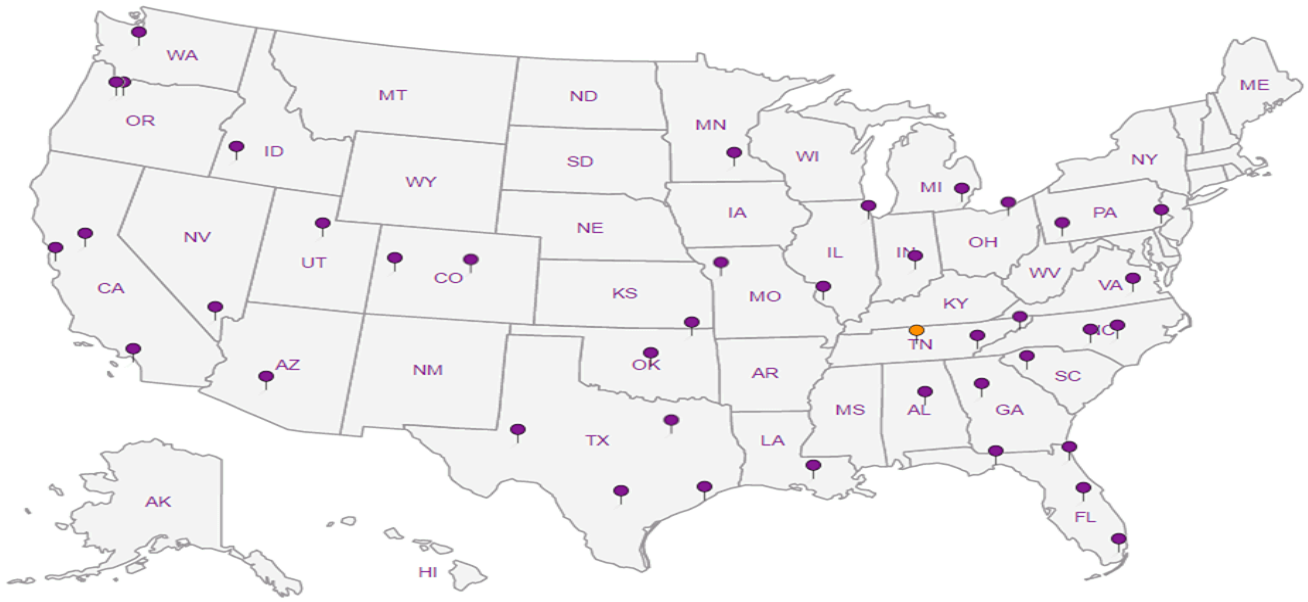
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #

Lab Project #
PESENVSWA-ALP

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R. McLaughlin
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-145-10	Grab	SS	10	4-17-18	1025	5	X	X		-01
MW-145-20		SS	20		1100					-02
MW-145-30		SS	30		1115					-03
MW-145-40		SS	40		1140					-04
MW-145-50		SS	50		1210					-05
MW-145-60		SS	60		1315					-06
MW-145-70		SS	70		1344					-07
MW-145-80	X	SS	80	X	1435					-08
MW-903-40	X	SS	40	X	1620					-09
MW-159-20	X	SS	20	4-16-18	0955					-10

Chain of Custody Page 1 of 2

ESC LABS — a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 987121

Table F126

Acctnum: PESENVSWA
Template: T134663
Prelogin: P647548
TSR: 110 - Brian Ford
PB: 4-4-18 CM

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier __ _____

Tracking # 426 9922 0017 1

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
R. T. McLaughlin	4/18/18	1500			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7 °C Bottles Received: 54	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/19/18 Time: 0845	Hold: Condition: NCF / OK

Chain of Custody Page 1 of 2

ESC LABS — a subsidiary of Pace Analytical

12065 Lebanon Rd
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L# 987121

Table #

Acctnum: PESENVSWA

Template: T134663

Prelogin: P647548

TSR: 110 - Brian Ford

PB: 4-4-18 CM

Shipped Via: FedEX Ground

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #

Lab Project # PESENVSWA-ALP

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-159-30	G	SS	30	4-16-18	1030	5	X	X		-11
Trip Blank	G	SS	—	—	—	1	X			-12
		SS								
		SS								
		SS								
		SS								
		SS								

Analysis / Container / Preservative

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
R.T. McLaughlin	4/18/18	1500	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Isaiah Ross

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp: 1.9°C Bottles Received: 5x1

Date: 4/19/18 Time: 0820

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ESC Lab Sciences
Non-Conformance Form

Login #: L987121	Client: PESENVSWA	Date: 04/19/18	Evaluated by: Ian White

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.	x	Improper handling by carrier Fedex
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
x	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: MW-145-20 received 1 of 4 Stir bars broken.

Client informed by:		Call		Email		Voice Mail		Date:	Time:
TSR Initials:bjf	Client Contact:								

Login Instructions:

Proceed with remaining sample containers.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.6		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0194 U	J J0	0.0126	0.0628	1	04/25/2018 20:15	WG1100741	
Acrylonitrile	U		0.00225	0.0126	1	04/25/2018 20:15	WG1100741	
Benzene	U		0.000339	0.00126	1	04/25/2018 20:15	WG1100741	
Bromobenzene	U		0.000357	0.00126	1	04/25/2018 20:15	WG1100741	
Bromodichloromethane	U		0.000319	0.00126	1	04/25/2018 20:15	WG1100741	
Bromochloromethane	U		0.000490	0.00628	1	04/25/2018 20:15	WG1100741	
Bromoform	U		0.000533	0.00126	1	04/25/2018 20:15	WG1100741	
Bromomethane	U UJ	J0 J3	0.00168	0.00628	1	04/25/2018 20:15	WG1100741	
n-Butylbenzene	U		0.000324	0.00126	1	04/25/2018 20:15	WG1100741	
sec-Butylbenzene	U		0.000253	0.00126	1	04/25/2018 20:15	WG1100741	
tert-Butylbenzene	U		0.000259	0.00126	1	04/25/2018 20:15	WG1100741	
Carbon disulfide	U	J3	0.000278	0.00126	1	04/25/2018 20:15	WG1100741	
Carbon tetrachloride	U		0.000412	0.00126	1	04/25/2018 20:15	WG1100741	
Chlorobenzene	U		0.000266	0.00126	1	04/25/2018 20:15	WG1100741	
Chlorodibromomethane	U		0.000469	0.00126	1	04/25/2018 20:15	WG1100741	
Chloroethane	U UJ	J0 J3	0.00119	0.00628	1	04/25/2018 20:15	WG1100741	
Chloroform	U		0.000288	0.00628	1	04/25/2018 20:15	WG1100741	
Chloromethane	U	J3	0.000471	0.00314	1	04/25/2018 20:15	WG1100741	
2-Chlorotoluene	U		0.000378	0.00126	1	04/25/2018 20:15	WG1100741	JC 5/9/18
4-Chlorotoluene	U		0.000302	0.00126	1	04/25/2018 20:15	WG1100741	
1,2-Dibromo-3-Chloropropane	U		0.00132	0.00628	1	04/25/2018 20:15	WG1100741	
1,2-Dibromoethane	U		0.000431	0.00126	1	04/25/2018 20:15	WG1100741	
Dibromomethane	U		0.000480	0.00126	1	04/25/2018 20:15	WG1100741	
1,2-Dichlorobenzene	U		0.000383	0.00126	1	04/25/2018 20:15	WG1100741	
1,3-Dichlorobenzene	U		0.000300	0.00126	1	04/25/2018 20:15	WG1100741	
1,4-Dichlorobenzene	U		0.000284	0.00126	1	04/25/2018 20:15	WG1100741	
Dichlorodifluoromethane	U UJ	J0 J3	0.000896	0.00628	1	04/25/2018 20:15	WG1100741	
1,1-Dichloroethane	U	J3	0.000250	0.00126	1	04/25/2018 20:15	WG1100741	
1,2-Dichloroethane	U		0.000333	0.00126	1	04/25/2018 20:15	WG1100741	
1,1-Dichloroethene	U	J3	0.000381	0.00126	1	04/25/2018 20:15	WG1100741	
cis-1,2-Dichloroethene	U		0.000295	0.00126	1	04/25/2018 20:15	WG1100741	
trans-1,2-Dichloroethene	U		0.000332	0.00126	1	04/25/2018 20:15	WG1100741	
1,2-Dichloropropane	U		0.000450	0.00126	1	04/25/2018 20:15	WG1100741	
1,1-Dichloropropene	U		0.000398	0.00126	1	04/25/2018 20:15	WG1100741	
1,3-Dichloropropane	U		0.000260	0.00126	1	04/25/2018 20:15	WG1100741	
cis-1,3-Dichloropropene	U		0.000329	0.00126	1	04/25/2018 20:15	WG1100741	
trans-1,3-Dichloropropene	U		0.000335	0.00126	1	04/25/2018 20:15	WG1100741	
trans-1,4-Dichloro-2-butene	U		0.000977	0.00314	1	04/25/2018 20:15	WG1100741	
2,2-Dichloropropane	U		0.000351	0.00126	1	04/25/2018 20:15	WG1100741	
Di-isopropyl ether	U	J3	0.000312	0.00126	1	04/25/2018 20:15	WG1100741	
Ethylbenzene	U		0.000373	0.00126	1	04/25/2018 20:15	WG1100741	
Hexachloro-1,3-butadiene	U		0.000430	0.00126	1	04/25/2018 20:15	WG1100741	
2-Hexanone	U		0.00172	0.0126	1	04/25/2018 20:15	WG1100741	
n-Hexane	U		0.000364	0.0126	1	04/25/2018 20:15	WG1100741	
Iodomethane	U	J3	0.00318	0.0126	1	04/25/2018 20:15	WG1100741	
Isopropylbenzene	U		0.000305	0.00126	1	04/25/2018 20:15	WG1100741	
p-Isopropyltoluene	U		0.000256	0.00126	1	04/25/2018 20:15	WG1100741	
2-Butanone (MEK)	U	J3	0.00588	0.0126	1	04/25/2018 20:15	WG1100741	
Methylene Chloride	U		0.00126	0.00628	1	04/25/2018 20:15	WG1100741	
4-Methyl-2-pentanone (MIBK)	U		0.00236	0.0126	1	04/25/2018 20:15	WG1100741	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Methyl tert-butyl ether	U		0.000266	0.00126	1	04/25/2018 20:15	WG1100741	
Naphthalene	U		0.00126	0.00628	1	04/25/2018 20:15	WG1100741	
n-Propylbenzene	U		0.000259	0.00126	1	04/25/2018 20:15	WG1100741	
Styrene	U		0.000294	0.00126	1	04/25/2018 20:15	WG1100741	
1,1,1,2-Tetrachloroethane	U		0.000332	0.00126	1	04/25/2018 20:15	WG1100741	
1,1,2,2-Tetrachloroethane	U		0.000459	0.00126	1	04/25/2018 20:15	WG1100741	
1,1,2-Trichlorotrifluoroethane	U	J3	0.000459	0.00126	1	04/25/2018 20:15	WG1100741	
Tetrachloroethene	U		0.000347	0.00126	1	04/25/2018 20:15	WG1100741	
Toluene	U		0.000545	0.00628	1	04/25/2018 20:15	WG1100741	
1,2,3-Trichlorobenzene	U		0.000384	0.00126	1	04/25/2018 20:15	WG1100741	
1,2,4-Trichlorobenzene	U		0.000487	0.00126	1	04/25/2018 20:15	WG1100741	
1,1,1-Trichloroethane	U		0.000359	0.00126	1	04/25/2018 20:15	WG1100741	
1,1,2-Trichloroethane	U		0.000348	0.00126	1	04/25/2018 20:15	WG1100741	JC 5/9/18
Trichloroethene	U		0.000351	0.00126	1	04/25/2018 20:15	WG1100741	
Trichlorofluoromethane	U		0.000480	0.00628	1	04/25/2018 20:15	WG1100741	
1,2,3-Trichloropropane	U		0.000931	0.00314	1	04/25/2018 20:15	WG1100741	
1,2,4-Trimethylbenzene	U		0.000265	0.00126	1	04/25/2018 20:15	WG1100741	
1,2,3-Trimethylbenzene	U		0.000361	0.00126	1	04/25/2018 20:15	WG1100741	
1,3,5-Trimethylbenzene	U		0.000334	0.00126	1	04/25/2018 20:15	WG1100741	
Vinyl acetate	U		0.00300	0.0126	1	04/25/2018 20:15	WG1100741	
Vinyl chloride	U	J3	0.000366	0.00126	1	04/25/2018 20:15	WG1100741	
Xylenes, Total	U		0.000877	0.00377	1	04/25/2018 20:15	WG1100741	
(S) Toluene-d8	*104*			*80.0-120*		*04/25/2018 20:15*	WG1100741	
(S) Dibromofluoromethane	*91.3*			*74.0-131*		*04/25/2018 20:15*	WG1100741	
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*04/25/2018 20:15*	WG1100741	

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U	UJ J0	0.0117	0.0584	1	04/20/2018 03:15	WG1100741	
Acrylonitrile	U		0.00209	0.0117	1	04/20/2018 03:15	WG1100741	
Benzene	U		0.000315	0.00117	1	04/20/2018 03:15	WG1100741	
Bromobenzene	U		0.000332	0.00117	1	04/20/2018 03:15	WG1100741	
Bromodichloromethane	U		0.000297	0.00117	1	04/20/2018 03:15	WG1100741	
Bromochloromethane	U		0.000455	0.00584	1	04/20/2018 03:15	WG1100741	
Bromoform	U		0.000495	0.00117	1	04/20/2018 03:15	WG1100741	
Bromomethane	U	J3	0.00156	0.00584	1	04/20/2018 03:15	WG1100741	
n-Butylbenzene	U		0.000301	0.00117	1	04/20/2018 03:15	WG1100741	
sec-Butylbenzene	U		0.000235	0.00117	1	04/20/2018 03:15	WG1100741	
tert-Butylbenzene	U		0.000241	0.00117	1	04/20/2018 03:15	WG1100741	
Carbon disulfide	U	UJ J0 J3	0.000258	0.00117	1	04/20/2018 03:15	WG1100741	
Carbon tetrachloride	U		0.000383	0.00117	1	04/20/2018 03:15	WG1100741	
Chlorobenzene	U		0.000248	0.00117	1	04/20/2018 03:15	WG1100741	JC 5/9/18
Chlorodibromomethane	U		0.000435	0.00117	1	04/20/2018 03:15	WG1100741	
Chloroethane	U	J3	0.00110	0.00584	1	04/20/2018 03:15	WG1100741	
Chloroform	U		0.000267	0.00584	1	04/20/2018 03:15	WG1100741	
Chloromethane	U	J3	0.000438	0.00292	1	04/20/2018 03:15	WG1100741	
2-Chlorotoluene	U		0.000351	0.00117	1	04/20/2018 03:15	WG1100741	
4-Chlorotoluene	U		0.000280	0.00117	1	04/20/2018 03:15	WG1100741	
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	04/20/2018 03:15	WG1100741	
1,2-Dibromoethane	U		0.000400	0.00117	1	04/20/2018 03:15	WG1100741	
Dibromomethane	U		0.000446	0.00117	1	04/20/2018 03:15	WG1100741	
1,2-Dichlorobenzene	U		0.000356	0.00117	1	04/20/2018 03:15	WG1100741	
1,3-Dichlorobenzene	U		0.000279	0.00117	1	04/20/2018 03:15	WG1100741	
1,4-Dichlorobenzene	U		0.000264	0.00117	1	04/20/2018 03:15	WG1100741	
Dichlorodifluoromethane	U	J3	0.000832	0.00584	1	04/20/2018 03:15	WG1100741	
1,1-Dichloroethane	U	J3	0.000232	0.00117	1	04/20/2018 03:15	WG1100741	
1,2-Dichloroethane	U		0.000309	0.00117	1	04/20/2018 03:15	WG1100741	
1,1-Dichloroethene	U	J3	0.000354	0.00117	1	04/20/2018 03:15	WG1100741	
cis-1,2-Dichloroethene	0.00765		0.000274	0.00117	1	04/20/2018 03:15	WG1100741	
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	04/20/2018 03:15	WG1100741	
1,2-Dichloropropane	U		0.000418	0.00117	1	04/20/2018 03:15	WG1100741	
1,1-Dichloropropene	U		0.000370	0.00117	1	04/20/2018 03:15	WG1100741	
1,3-Dichloropropane	U		0.000242	0.00117	1	04/20/2018 03:15	WG1100741	
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	04/20/2018 03:15	WG1100741	
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	04/20/2018 03:15	WG1100741	
trans-1,4-Dichloro-2-butene	U		0.000908	0.00292	1	04/20/2018 03:15	WG1100741	
2,2-Dichloropropane	U		0.000326	0.00117	1	04/20/2018 03:15	WG1100741	
Di-isopropyl ether	U	J3	0.000290	0.00117	1	04/20/2018 03:15	WG1100741	
Ethylbenzene	U		0.000347	0.00117	1	04/20/2018 03:15	WG1100741	
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	04/20/2018 03:15	WG1100741	
2-Hexanone	U		0.00160	0.0117	1	04/20/2018 03:15	WG1100741	
n-Hexane	U	UJ J0	0.000339	0.0117	1	04/20/2018 03:15	WG1100741	
Iodomethane	U	J3	0.00295	0.0117	1	04/20/2018 03:15	WG1100741	
Isopropylbenzene	U	UJ J0	0.000284	0.00117	1	04/20/2018 03:15	WG1100741	
p-Isopropyltoluene	U		0.000238	0.00117	1	04/20/2018 03:15	WG1100741	
2-Butanone (MEK)	U	UJ J0 J3	0.00546	0.0117	1	04/20/2018 03:15	WG1100741	
Methylene Chloride	U		0.00117	0.00584	1	04/20/2018 03:15	WG1100741	
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0117	1	04/20/2018 03:15	WG1100741	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000248	0.00117	1	04/20/2018 03:15	WG1100741
Naphthalene	U			0.00117	0.00584	1	04/20/2018 03:15	WG1100741
n-Propylbenzene	U	UJ	J0	0.000241	0.00117	1	04/20/2018 03:15	WG1100741
Styrene	U	UJ	J0	0.000273	0.00117	1	04/20/2018 03:15	WG1100741
1,1,1,2-Tetrachloroethane	U			0.000308	0.00117	1	04/20/2018 03:15	WG1100741
1,1,2,2-Tetrachloroethane	U			0.000426	0.00117	1	04/20/2018 03:15	WG1100741
1,1,2-Trichlorotrifluoroethane	U		J3	0.000426	0.00117	1	04/20/2018 03:15	WG1100741
Tetrachloroethene	0.000505	J	J	0.000322	0.00117	1	04/20/2018 03:15	WG1100741
Toluene	U			0.000507	0.00584	1	04/20/2018 03:15	WG1100741
1,2,3-Trichlorobenzene	U			0.000357	0.00117	1	04/20/2018 03:15	WG1100741
1,2,4-Trichlorobenzene	U			0.000453	0.00117	1	04/20/2018 03:15	WG1100741
1,1,1-Trichloroethane	U			0.000334	0.00117	1	04/20/2018 03:15	WG1100741
1,1,2-Trichloroethane	U			0.000323	0.00117	1	04/20/2018 03:15	WG1100741
Trichloroethene	0.000332	J	J	0.000326	0.00117	1	04/20/2018 03:15	WG1100741
Trichlorofluoromethane	U			0.000446	0.00584	1	04/20/2018 03:15	WG1100741
1,2,3-Trichloropropane	U			0.000865	0.00292	1	04/20/2018 03:15	WG1100741
1,2,4-Trimethylbenzene	U			0.000246	0.00117	1	04/20/2018 03:15	WG1100741
1,2,3-Trimethylbenzene	U			0.000335	0.00117	1	04/20/2018 03:15	WG1100741
1,3,5-Trimethylbenzene	U			0.000311	0.00117	1	04/20/2018 03:15	WG1100741
Vinyl acetate	U	UJ	J0	0.00279	0.0117	1	04/20/2018 03:15	WG1100741
Vinyl chloride	U		J3	0.000340	0.00117	1	04/20/2018 03:15	WG1100741
Xylenes, Total	U			0.000815	0.00350	1	04/20/2018 03:15	WG1100741
(S) Toluene-d8	*102*				*80.0-120*		*04/20/2018 03:15*	WG1100741
(S) Dibromofluoromethane	*110*				*74.0-131*		*04/20/2018 03:15*	WG1100741
(S) 4-Bromofluorobenzene	*88.8*				*64.0-132*		*04/20/2018 03:15*	WG1100741

JC 5/9/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0119	0.0593	1	04/20/2018 03:35	WG1100741
Acrylonitrile	U		0.00212	0.0119	1	04/20/2018 03:35	WG1100741
Benzene	U		0.000320	0.00119	1	04/20/2018 03:35	WG1100741
Bromobenzene	U		0.000337	0.00119	1	04/20/2018 03:35	WG1100741
Bromodichloromethane	U		0.000301	0.00119	1	04/20/2018 03:35	WG1100741
Bromochloromethane	U		0.000462	0.00593	1	04/20/2018 03:35	WG1100741
Bromoform	U		0.000503	0.00119	1	04/20/2018 03:35	WG1100741
Bromomethane	U	J3	0.00159	0.00593	1	04/20/2018 03:35	WG1100741
n-Butylbenzene	U		0.000306	0.00119	1	04/20/2018 03:35	WG1100741
sec-Butylbenzene	U		0.000238	0.00119	1	04/20/2018 03:35	WG1100741
tert-Butylbenzene	U		0.000244	0.00119	1	04/20/2018 03:35	WG1100741
Carbon disulfide	U UJ	J0 J3	0.000262	0.00119	1	04/20/2018 03:35	WG1100741
Carbon tetrachloride	U		0.000389	0.00119	1	04/20/2018 03:35	WG1100741
Chlorobenzene	U		0.000251	0.00119	1	04/20/2018 03:35	WG1100741
Chlorodibromomethane	U		0.000442	0.00119	1	04/20/2018 03:35	WG1100741
Chloroethane	U	J3	0.00112	0.00593	1	04/20/2018 03:35	WG1100741
Chloroform	U		0.000272	0.00593	1	04/20/2018 03:35	WG1100741
Chloromethane	U	J3	0.000445	0.00296	1	04/20/2018 03:35	WG1100741
2-Chlorotoluene	U		0.000357	0.00119	1	04/20/2018 03:35	WG1100741
4-Chlorotoluene	U		0.000285	0.00119	1	04/20/2018 03:35	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00593	1	04/20/2018 03:35	WG1100741
1,2-Dibromoethane	U		0.000407	0.00119	1	04/20/2018 03:35	WG1100741
Dibromomethane	U		0.000453	0.00119	1	04/20/2018 03:35	WG1100741
1,2-Dichlorobenzene	U		0.000362	0.00119	1	04/20/2018 03:35	WG1100741
1,3-Dichlorobenzene	U		0.000283	0.00119	1	04/20/2018 03:35	WG1100741
1,4-Dichlorobenzene	U		0.000268	0.00119	1	04/20/2018 03:35	WG1100741
Dichlorodifluoromethane	U	J3	0.000846	0.00593	1	04/20/2018 03:35	WG1100741
1,1-Dichloroethane	U	J3	0.000236	0.00119	1	04/20/2018 03:35	WG1100741
1,2-Dichloroethane	U		0.000314	0.00119	1	04/20/2018 03:35	WG1100741
1,1-Dichloroethene	0.00118 J	J J3	0.000359	0.00119	1	04/20/2018 03:35	WG1100741
cis-1,2-Dichloroethene	0.100		0.000279	0.00119	1	04/20/2018 03:35	WG1100741
trans-1,2-Dichloroethene	0.00118 J	J	0.000313	0.00119	1	04/20/2018 03:35	WG1100741
1,2-Dichloropropane	U		0.000425	0.00119	1	04/20/2018 03:35	WG1100741
1,1-Dichloropropene	U		0.000376	0.00119	1	04/20/2018 03:35	WG1100741
1,3-Dichloropropane	U		0.000245	0.00119	1	04/20/2018 03:35	WG1100741
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	04/20/2018 03:35	WG1100741
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	04/20/2018 03:35	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000923	0.00296	1	04/20/2018 03:35	WG1100741
2,2-Dichloropropane	U		0.000331	0.00119	1	04/20/2018 03:35	WG1100741
Di-isopropyl ether	U	J3	0.000294	0.00119	1	04/20/2018 03:35	WG1100741
Ethylbenzene	U		0.000352	0.00119	1	04/20/2018 03:35	WG1100741
Hexachloro-1,3-butadiene	U		0.000406	0.00119	1	04/20/2018 03:35	WG1100741
2-Hexanone	U		0.00162	0.0119	1	04/20/2018 03:35	WG1100741
n-Hexane	U UJ	J0	0.000344	0.0119	1	04/20/2018 03:35	WG1100741
Iodomethane	U	J3	0.00300	0.0119	1	04/20/2018 03:35	WG1100741
Isopropylbenzene	U UJ	J0	0.000288	0.00119	1	04/20/2018 03:35	WG1100741
p-Isopropyltoluene	U		0.000242	0.00119	1	04/20/2018 03:35	WG1100741
2-Butanone (MEK)	U UJ	J0 J3	0.00555	0.0119	1	04/20/2018 03:35	WG1100741
Methylene Chloride	U		0.00119	0.00593	1	04/20/2018 03:35	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	04/20/2018 03:35	WG1100741

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000251	0.00119	1	04/20/2018 03:35	WG1100741
Naphthalene	U			0.00119	0.00593	1	04/20/2018 03:35	WG1100741
n-Propylbenzene	U	UJ	J0	0.000244	0.00119	1	04/20/2018 03:35	WG1100741
Styrene	U	UJ	J0	0.000277	0.00119	1	04/20/2018 03:35	WG1100741
1,1,1,2-Tetrachloroethane	U			0.000313	0.00119	1	04/20/2018 03:35	WG1100741
1,1,2,2-Tetrachloroethane	U			0.000433	0.00119	1	04/20/2018 03:35	WG1100741
1,1,2-Trichlorotrifluoroethane	U		J3	0.000433	0.00119	1	04/20/2018 03:35	WG1100741
Tetrachloroethene	0.790			0.00818	0.0296	25	04/25/2018 20:36	WG1100741
Toluene	U			0.000515	0.00593	1	04/20/2018 03:35	WG1100741
1,2,3-Trichlorobenzene	U			0.000363	0.00119	1	04/20/2018 03:35	WG1100741
1,2,4-Trichlorobenzene	U			0.000460	0.00119	1	04/20/2018 03:35	WG1100741
1,1,1-Trichloroethane	U			0.000339	0.00119	1	04/20/2018 03:35	WG1100741
1,1,2-Trichloroethane	U			0.000328	0.00119	1	04/20/2018 03:35	WG1100741
Trichloroethene	0.0668			0.000331	0.00119	1	04/20/2018 03:35	WG1100741
Trichlorofluoromethane	U			0.000453	0.00593	1	04/20/2018 03:35	WG1100741
1,2,3-Trichloropropane	U			0.000879	0.00296	1	04/20/2018 03:35	WG1100741
1,2,4-Trimethylbenzene	U			0.000250	0.00119	1	04/20/2018 03:35	WG1100741
1,2,3-Trimethylbenzene	U			0.000340	0.00119	1	04/20/2018 03:35	WG1100741
1,3,5-Trimethylbenzene	U			0.000315	0.00119	1	04/20/2018 03:35	WG1100741
Vinyl acetate	U	UJ	J0	0.00283	0.0119	1	04/20/2018 03:35	WG1100741
Vinyl chloride	U		J3	0.000345	0.00119	1	04/20/2018 03:35	WG1100741
Xylenes, Total	U			0.000828	0.00356	1	04/20/2018 03:35	WG1100741
(S) Toluene-d8	*112*				*80.0-120*		*04/25/2018 20:36*	WG1100741
(S) Toluene-d8	*95.6*				*80.0-120*		*04/20/2018 03:35*	WG1100741
(S) Dibromofluoromethane	*83.3*				*74.0-131*		*04/25/2018 20:36*	WG1100741
(S) Dibromofluoromethane	*111*				*74.0-131*		*04/20/2018 03:35*	WG1100741
(S) 4-Bromofluorobenzene	*93.8*				*64.0-132*		*04/25/2018 20:36*	WG1100741
(S) 4-Bromofluorobenzene	*85.9*				*64.0-132*		*04/20/2018 03:35*	WG1100741

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0144	U J J0	0.0111	0.0557	1	04/25/2018 20:57	WG1100741	
Acrylonitrile	U		0.00199	0.0111	1	04/25/2018 20:57	WG1100741	
Benzene	U		0.000301	0.00111	1	04/25/2018 20:57	WG1100741	
Bromobenzene	U		0.000316	0.00111	1	04/25/2018 20:57	WG1100741	
Bromodichloromethane	U		0.000283	0.00111	1	04/25/2018 20:57	WG1100741	
Bromochloromethane	U		0.000435	0.00557	1	04/25/2018 20:57	WG1100741	
Bromoform	U		0.000472	0.00111	1	04/25/2018 20:57	WG1100741	
Bromomethane	U	UJ J0 J3	0.00149	0.00557	1	04/25/2018 20:57	WG1100741	
n-Butylbenzene	U		0.000287	0.00111	1	04/25/2018 20:57	WG1100741	
sec-Butylbenzene	U		0.000224	0.00111	1	04/25/2018 20:57	WG1100741	
tert-Butylbenzene	U		0.000230	0.00111	1	04/25/2018 20:57	WG1100741	
Carbon disulfide	0.000551	J J J3	0.000246	0.00111	1	04/25/2018 20:57	WG1100741	
Carbon tetrachloride	U		0.000365	0.00111	1	04/25/2018 20:57	WG1100741	
Chlorobenzene	U		0.000236	0.00111	1	04/25/2018 20:57	WG1100741	
Chlorodibromomethane	U		0.000416	0.00111	1	04/25/2018 20:57	WG1100741	
Chloroethane	U	UJ J0 J3	0.00105	0.00557	1	04/25/2018 20:57	WG1100741	
Chloroform	U		0.000255	0.00557	1	04/25/2018 20:57	WG1100741	
Chloromethane	U	UJ J0 J3	0.000418	0.00279	1	04/25/2018 20:57	WG1100741	
2-Chlorotoluene	U		0.000335	0.00111	1	04/25/2018 20:57	WG1100741	
4-Chlorotoluene	U		0.000267	0.00111	1	04/25/2018 20:57	WG1100741	
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	04/25/2018 20:57	WG1100741	
1,2-Dibromoethane	U		0.000382	0.00111	1	04/25/2018 20:57	WG1100741	
Dibromomethane	U		0.000426	0.00111	1	04/25/2018 20:57	WG1100741	
1,2-Dichlorobenzene	U		0.000340	0.00111	1	04/25/2018 20:57	WG1100741	
1,3-Dichlorobenzene	U		0.000266	0.00111	1	04/25/2018 20:57	WG1100741	
1,4-Dichlorobenzene	U		0.000252	0.00111	1	04/25/2018 20:57	WG1100741	
Dichlorodifluoromethane	U	UJ J0 J3	0.000795	0.00557	1	04/25/2018 20:57	WG1100741	
1,1-Dichloroethane	U	J3	0.000222	0.00111	1	04/25/2018 20:57	WG1100741	
1,2-Dichloroethane	U		0.000295	0.00111	1	04/25/2018 20:57	WG1100741	
1,1-Dichloroethene	U	J3	0.000338	0.00111	1	04/25/2018 20:57	WG1100741	
cis-1,2-Dichloroethene	0.0691		0.000262	0.00111	1	04/25/2018 20:57	WG1100741	
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	04/25/2018 20:57	WG1100741	
1,2-Dichloropropane	U		0.000399	0.00111	1	04/25/2018 20:57	WG1100741	
1,1-Dichloropropene	U		0.000353	0.00111	1	04/25/2018 20:57	WG1100741	
1,3-Dichloropropane	U		0.000231	0.00111	1	04/25/2018 20:57	WG1100741	
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	04/25/2018 20:57	WG1100741	
trans-1,3-Dichloropropene	U		0.000298	0.00111	1	04/25/2018 20:57	WG1100741	JC 5/9/18
trans-1,4-Dichloro-2-butene	U		0.000867	0.00279	1	04/25/2018 20:57	WG1100741	
2,2-Dichloropropane	U		0.000311	0.00111	1	04/25/2018 20:57	WG1100741	
Di-isopropyl ether	U	J3	0.000276	0.00111	1	04/25/2018 20:57	WG1100741	
Ethylbenzene	U		0.000331	0.00111	1	04/25/2018 20:57	WG1100741	
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	04/25/2018 20:57	WG1100741	
2-Hexanone	U		0.00153	0.0111	1	04/25/2018 20:57	WG1100741	
n-Hexane	U		0.000323	0.0111	1	04/25/2018 20:57	WG1100741	
Iodomethane	U	J3	0.00282	0.0111	1	04/25/2018 20:57	WG1100741	
Isopropylbenzene	U		0.000271	0.00111	1	04/25/2018 20:57	WG1100741	
p-Isopropyltoluene	U		0.000227	0.00111	1	04/25/2018 20:57	WG1100741	
2-Butanone (MEK)	0.00537	J J J3	0.00521	0.0111	1	04/25/2018 20:57	WG1100741	
Methylene Chloride	U		0.00111	0.00557	1	04/25/2018 20:57	WG1100741	
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/25/2018 20:57	WG1100741	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00111	1	04/25/2018 20:57	WG1100741
Naphthalene	U		0.00111	0.00557	1	04/25/2018 20:57	WG1100741
n-Propylbenzene	U		0.000230	0.00111	1	04/25/2018 20:57	WG1100741
Styrene	U		0.000261	0.00111	1	04/25/2018 20:57	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	04/25/2018 20:57	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000407	0.00111	1	04/25/2018 20:57	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000407	0.00111	1	04/25/2018 20:57	WG1100741
Tetrachloroethene	0.00641		0.000308	0.00111	1	04/25/2018 20:57	WG1100741
Toluene	U		0.000484	0.00557	1	04/25/2018 20:57	WG1100741
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	04/25/2018 20:57	WG1100741
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	04/25/2018 20:57	WG1100741
1,1,1-Trichloroethane	U		0.000319	0.00111	1	04/25/2018 20:57	WG1100741
1,1,2-Trichloroethane	U		0.000309	0.00111	1	04/25/2018 20:57	WG1100741
Trichloroethene	0.00474		0.000311	0.00111	1	04/25/2018 20:57	WG1100741
Trichlorofluoromethane	U		0.000426	0.00557	1	04/25/2018 20:57	WG1100741
1,2,3-Trichloropropane	U		0.000826	0.00279	1	04/25/2018 20:57	WG1100741
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	04/25/2018 20:57	WG1100741
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	04/25/2018 20:57	WG1100741
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	04/25/2018 20:57	WG1100741
Vinyl acetate	U		0.00266	0.0111	1	04/25/2018 20:57	WG1100741
Vinyl chloride	0.0160	J3	0.000324	0.00111	1	04/25/2018 20:57	WG1100741
Xylenes, Total	U		0.000778	0.00334	1	04/25/2018 20:57	WG1100741
(S) Toluene-d8	*103*			*80.0-120*		*04/25/2018 20:57*	WG1100741
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*04/25/2018 20:57*	WG1100741
(S) 4-Bromofluorobenzene	*93.9*			*64.0-132*		*04/25/2018 20:57*	WG1100741

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0110	0.0548	1	04/20/2018 04:13	WG1100741
Acrylonitrile	U			0.00196	0.0110	1	04/20/2018 04:13	WG1100741
Benzene	U			0.000296	0.00110	1	04/20/2018 04:13	WG1100741
Bromobenzene	U			0.000311	0.00110	1	04/20/2018 04:13	WG1100741
Bromodichloromethane	U			0.000278	0.00110	1	04/20/2018 04:13	WG1100741
Bromochloromethane	U			0.000427	0.00548	1	04/20/2018 04:13	WG1100741
Bromoform	U			0.000465	0.00110	1	04/20/2018 04:13	WG1100741
Bromomethane	U		J3	0.00147	0.00548	1	04/20/2018 04:13	WG1100741
n-Butylbenzene	U			0.000283	0.00110	1	04/20/2018 04:13	WG1100741
sec-Butylbenzene	U			0.000220	0.00110	1	04/20/2018 04:13	WG1100741
tert-Butylbenzene	U			0.000226	0.00110	1	04/20/2018 04:13	WG1100741
Carbon disulfide	U	UJ	J0 J3	0.000242	0.00110	1	04/20/2018 04:13	WG1100741
Carbon tetrachloride	U			0.000359	0.00110	1	04/20/2018 04:13	WG1100741
Chlorobenzene	U			0.000232	0.00110	1	04/20/2018 04:13	WG1100741
Chlorodibromomethane	U			0.000409	0.00110	1	04/20/2018 04:13	WG1100741
Chloroethane	U		J3	0.00104	0.00548	1	04/20/2018 04:13	WG1100741
Chloroform	U			0.000251	0.00548	1	04/20/2018 04:13	WG1100741
Chloromethane	U		J3	0.000411	0.00274	1	04/20/2018 04:13	WG1100741
2-Chlorotoluene	U			0.000330	0.00110	1	04/20/2018 04:13	WG1100741
4-Chlorotoluene	U			0.000263	0.00110	1	04/20/2018 04:13	WG1100741
1,2-Dibromo-3-Chloropropane	U			0.00115	0.00548	1	04/20/2018 04:13	WG1100741
1,2-Dibromoethane	U			0.000376	0.00110	1	04/20/2018 04:13	WG1100741
Dibromomethane	U			0.000419	0.00110	1	04/20/2018 04:13	WG1100741
1,2-Dichlorobenzene	U			0.000334	0.00110	1	04/20/2018 04:13	WG1100741
1,3-Dichlorobenzene	U			0.000262	0.00110	1	04/20/2018 04:13	WG1100741
1,4-Dichlorobenzene	U			0.000248	0.00110	1	04/20/2018 04:13	WG1100741
Dichlorodifluoromethane	U		J3	0.000781	0.00548	1	04/20/2018 04:13	WG1100741
1,1-Dichloroethane	U		J3	0.000218	0.00110	1	04/20/2018 04:13	WG1100741
1,2-Dichloroethane	U			0.000290	0.00110	1	04/20/2018 04:13	WG1100741
1,1-Dichloroethene	U		J3	0.000332	0.00110	1	04/20/2018 04:13	WG1100741
cis-1,2-Dichloroethene	0.00555			0.000257	0.00110	1	04/20/2018 04:13	WG1100741
trans-1,2-Dichloroethene	U			0.000289	0.00110	1	04/20/2018 04:13	WG1100741
1,2-Dichloropropane	U			0.000392	0.00110	1	04/20/2018 04:13	WG1100741
1,1-Dichloropropene	U			0.000347	0.00110	1	04/20/2018 04:13	WG1100741
1,3-Dichloropropane	U			0.000227	0.00110	1	04/20/2018 04:13	WG1100741
cis-1,3-Dichloropropene	U			0.000287	0.00110	1	04/20/2018 04:13	WG1100741
trans-1,3-Dichloropropene	U			0.000293	0.00110	1	04/20/2018 04:13	WG1100741
trans-1,4-Dichloro-2-butene	U			0.000852	0.00274	1	04/20/2018 04:13	WG1100741
2,2-Dichloropropane	U			0.000306	0.00110	1	04/20/2018 04:13	WG1100741
Di-isopropyl ether	U		J3	0.000272	0.00110	1	04/20/2018 04:13	WG1100741
Ethylbenzene	U			0.000325	0.00110	1	04/20/2018 04:13	WG1100741
Hexachloro-1,3-butadiene	U			0.000375	0.00110	1	04/20/2018 04:13	WG1100741
2-Hexanone	U			0.00150	0.0110	1	04/20/2018 04:13	WG1100741
n-Hexane	U	UJ	J0	0.000318	0.0110	1	04/20/2018 04:13	WG1100741
Iodomethane	U		J3	0.00277	0.0110	1	04/20/2018 04:13	WG1100741
Isopropylbenzene	U	UJ	J0	0.000266	0.00110	1	04/20/2018 04:13	WG1100741
p-Isopropyltoluene	U			0.000224	0.00110	1	04/20/2018 04:13	WG1100741
2-Butanone (MEK)	0.00735	J	J J0 J3	0.00513	0.0110	1	04/20/2018 04:13	WG1100741
Methylene Chloride	U			0.00110	0.00548	1	04/20/2018 04:13	WG1100741
4-Methyl-2-pentanone (MIBK)	U			0.00206	0.0110	1	04/20/2018 04:13	WG1100741

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000232	0.00110	1	04/20/2018 04:13	WG1100741
Naphthalene	U			0.00110	0.00548	1	04/20/2018 04:13	WG1100741
n-Propylbenzene	U	UJ	J0	0.000226	0.00110	1	04/20/2018 04:13	WG1100741
Styrene	U	UJ	J0	0.000256	0.00110	1	04/20/2018 04:13	WG1100741
1,1,1,2-Tetrachloroethane	U			0.000289	0.00110	1	04/20/2018 04:13	WG1100741
1,1,2,2-Tetrachloroethane	U			0.000400	0.00110	1	04/20/2018 04:13	WG1100741
1,1,2-Trichlorotrifluoroethane	U		J3	0.000400	0.00110	1	04/20/2018 04:13	WG1100741
Tetrachloroethene	0.00390			0.000302	0.00110	1	04/20/2018 04:13	WG1100741
Toluene	U			0.000476	0.00548	1	04/20/2018 04:13	WG1100741
1,2,3-Trichlorobenzene	U			0.000335	0.00110	1	04/20/2018 04:13	WG1100741
1,2,4-Trichlorobenzene	U			0.000425	0.00110	1	04/20/2018 04:13	WG1100741
1,1,1-Trichloroethane	U			0.000313	0.00110	1	04/20/2018 04:13	WG1100741
1,1,2-Trichloroethane	U			0.000304	0.00110	1	04/20/2018 04:13	WG1100741
Trichloroethene	0.00180			0.000306	0.00110	1	04/20/2018 04:13	WG1100741
Trichlorofluoromethane	U			0.000419	0.00548	1	04/20/2018 04:13	WG1100741
1,2,3-Trichloropropane	U			0.000812	0.00274	1	04/20/2018 04:13	WG1100741
1,2,4-Trimethylbenzene	U			0.000231	0.00110	1	04/20/2018 04:13	WG1100741
1,2,3-Trimethylbenzene	U			0.000314	0.00110	1	04/20/2018 04:13	WG1100741
1,3,5-Trimethylbenzene	U			0.000291	0.00110	1	04/20/2018 04:13	WG1100741
Vinyl acetate	U	UJ	J0	0.00262	0.0110	1	04/20/2018 04:13	WG1100741
Vinyl chloride	0.00329		J3	0.000319	0.00110	1	04/20/2018 04:13	WG1100741
Xylenes, Total	U			0.000765	0.00329	1	04/20/2018 04:13	WG1100741
(S) Toluene-d8	*96.6*				*80.0-120*		*04/20/2018 04:13*	WG1100741
(S) Dibromofluoromethane	*115*				*74.0-131*		*04/20/2018 04:13*	WG1100741
(S) 4-Bromofluorobenzene	*89.8*				*64.0-132*		*04/20/2018 04:13*	WG1100741

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	UJ J0	0.0110	0.0551	1	04/20/2018 04:32	WG1100741
Acrylonitrile	U		0.00197	0.0110	1	04/20/2018 04:32	WG1100741
Benzene	U		0.000298	0.00110	1	04/20/2018 04:32	WG1100741
Bromobenzene	U		0.000313	0.00110	1	04/20/2018 04:32	WG1100741
Bromodichloromethane	U		0.000280	0.00110	1	04/20/2018 04:32	WG1100741
Bromochloromethane	U		0.000430	0.00551	1	04/20/2018 04:32	WG1100741
Bromoform	U		0.000467	0.00110	1	04/20/2018 04:32	WG1100741
Bromomethane	U	J3	0.00148	0.00551	1	04/20/2018 04:32	WG1100741
n-Butylbenzene	U		0.000284	0.00110	1	04/20/2018 04:32	WG1100741
sec-Butylbenzene	U		0.000222	0.00110	1	04/20/2018 04:32	WG1100741
tert-Butylbenzene	U		0.000227	0.00110	1	04/20/2018 04:32	WG1100741
Carbon disulfide	U	UJ J0 J3	0.000244	0.00110	1	04/20/2018 04:32	WG1100741
Carbon tetrachloride	U		0.000362	0.00110	1	04/20/2018 04:32	WG1100741
Chlorobenzene	U		0.000234	0.00110	1	04/20/2018 04:32	WG1100741
Chlorodibromomethane	U		0.000411	0.00110	1	04/20/2018 04:32	WG1100741
Chloroethane	U	J3	0.00104	0.00551	1	04/20/2018 04:32	WG1100741
Chloroform	U		0.000252	0.00551	1	04/20/2018 04:32	WG1100741
Chloromethane	U	J3	0.000413	0.00276	1	04/20/2018 04:32	WG1100741
2-Chlorotoluene	U		0.000332	0.00110	1	04/20/2018 04:32	WG1100741
4-Chlorotoluene	U		0.000265	0.00110	1	04/20/2018 04:32	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/20/2018 04:32	WG1100741
1,2-Dibromoethane	U		0.000378	0.00110	1	04/20/2018 04:32	WG1100741
Dibromomethane	U		0.000421	0.00110	1	04/20/2018 04:32	WG1100741
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/20/2018 04:32	WG1100741
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/20/2018 04:32	WG1100741
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/20/2018 04:32	WG1100741
Dichlorodifluoromethane	U	J3	0.000786	0.00551	1	04/20/2018 04:32	WG1100741
1,1-Dichloroethane	U	J3	0.000219	0.00110	1	04/20/2018 04:32	WG1100741
1,2-Dichloroethane	U		0.000292	0.00110	1	04/20/2018 04:32	WG1100741
1,1-Dichloroethene	U	J3	0.000334	0.00110	1	04/20/2018 04:32	WG1100741
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	04/20/2018 04:32	WG1100741
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/20/2018 04:32	WG1100741
1,2-Dichloropropane	U		0.000395	0.00110	1	04/20/2018 04:32	WG1100741
1,1-Dichloropropene	U		0.000349	0.00110	1	04/20/2018 04:32	WG1100741
1,3-Dichloropropane	U		0.000228	0.00110	1	04/20/2018 04:32	WG1100741
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/20/2018 04:32	WG1100741
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/20/2018 04:32	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000858	0.00276	1	04/20/2018 04:32	WG1100741
2,2-Dichloropropane	U		0.000308	0.00110	1	04/20/2018 04:32	WG1100741
Di-isopropyl ether	U	J3	0.000273	0.00110	1	04/20/2018 04:32	WG1100741
Ethylbenzene	U		0.000327	0.00110	1	04/20/2018 04:32	WG1100741
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/20/2018 04:32	WG1100741
2-Hexanone	U		0.00151	0.0110	1	04/20/2018 04:32	WG1100741
n-Hexane	U	UJ J0	0.000320	0.0110	1	04/20/2018 04:32	WG1100741
Iodomethane	U	J3	0.00279	0.0110	1	04/20/2018 04:32	WG1100741
Isopropylbenzene	U	UJ J0	0.000268	0.00110	1	04/20/2018 04:32	WG1100741
p-Isopropyltoluene	U		0.000225	0.00110	1	04/20/2018 04:32	WG1100741
2-Butanone (MEK)	U	UJ J0 J3	0.00516	0.0110	1	04/20/2018 04:32	WG1100741
Methylene Chloride	U		0.00110	0.00551	1	04/20/2018 04:32	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/20/2018 04:32	WG1100741

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000234	0.00110	1	04/20/2018 04:32	WG1100741
Naphthalene	U			0.00110	0.00551	1	04/20/2018 04:32	WG1100741
n-Propylbenzene	U	UJ	J0	0.000227	0.00110	1	04/20/2018 04:32	WG1100741
Styrene	U	UJ	J0	0.000258	0.00110	1	04/20/2018 04:32	WG1100741
1,1,1,2-Tetrachloroethane	U			0.000291	0.00110	1	04/20/2018 04:32	WG1100741
1,1,2,2-Tetrachloroethane	U			0.000402	0.00110	1	04/20/2018 04:32	WG1100741
1,1,2-Trichlorotrifluoroethane	U		J3	0.000402	0.00110	1	04/20/2018 04:32	WG1100741
Tetrachloroethene	U			0.000304	0.00110	1	04/20/2018 04:32	WG1100741
Toluene	U			0.000478	0.00551	1	04/20/2018 04:32	WG1100741
1,2,3-Trichlorobenzene	U			0.000337	0.00110	1	04/20/2018 04:32	WG1100741
1,2,4-Trichlorobenzene	U			0.000428	0.00110	1	04/20/2018 04:32	WG1100741
1,1,1-Trichloroethane	U			0.000315	0.00110	1	04/20/2018 04:32	WG1100741
1,1,2-Trichloroethane	U			0.000305	0.00110	1	04/20/2018 04:32	WG1100741
Trichloroethene	U			0.000308	0.00110	1	04/20/2018 04:32	WG1100741
Trichlorofluoromethane	U			0.000421	0.00551	1	04/20/2018 04:32	WG1100741
1,2,3-Trichloropropane	U			0.000817	0.00276	1	04/20/2018 04:32	WG1100741
1,2,4-Trimethylbenzene	U			0.000233	0.00110	1	04/20/2018 04:32	WG1100741
1,2,3-Trimethylbenzene	U			0.000316	0.00110	1	04/20/2018 04:32	WG1100741
1,3,5-Trimethylbenzene	U			0.000293	0.00110	1	04/20/2018 04:32	WG1100741
Vinyl acetate	U	UJ	J0	0.00263	0.0110	1	04/20/2018 04:32	WG1100741
Vinyl chloride	0.00255		J3	0.000321	0.00110	1	04/20/2018 04:32	WG1100741
Xylenes, Total	U			0.000769	0.00331	1	04/20/2018 04:32	WG1100741
(S) Toluene-d8	*99.9*				*80.0-120*		*04/20/2018 04:32*	WG1100741
(S) Dibromofluoromethane	*117*				*74.0-131*		*04/20/2018 04:32*	WG1100741
(S) 4-Bromofluorobenzene	*86.7*				*64.0-132*		*04/20/2018 04:32*	WG1100741

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0121	0.0606	1	04/25/2018 21:18	WG1100741	
Acrylonitrile	U		0.00217	0.0121	1	04/25/2018 21:18	WG1100741	
Benzene	U		0.000327	0.00121	1	04/25/2018 21:18	WG1100741	
Bromobenzene	U		0.000344	0.00121	1	04/25/2018 21:18	WG1100741	
Bromodichloromethane	U		0.000308	0.00121	1	04/25/2018 21:18	WG1100741	
Bromochloromethane	U		0.000473	0.00606	1	04/25/2018 21:18	WG1100741	
Bromoform	U		0.000514	0.00121	1	04/25/2018 21:18	WG1100741	
Bromomethane	U UJ	J0 J3	0.00163	0.00606	1	04/25/2018 21:18	WG1100741	
n-Butylbenzene	U		0.000313	0.00121	1	04/25/2018 21:18	WG1100741	
sec-Butylbenzene	U		0.000244	0.00121	1	04/25/2018 21:18	WG1100741	
tert-Butylbenzene	U		0.000250	0.00121	1	04/25/2018 21:18	WG1100741	
Carbon disulfide	0.000275	J J3	0.000268	0.00121	1	04/25/2018 21:18	WG1100741	
Carbon tetrachloride	U		0.000398	0.00121	1	04/25/2018 21:18	WG1100741	
Chlorobenzene	U		0.000257	0.00121	1	04/25/2018 21:18	WG1100741	
Chlorodibromomethane	U		0.000452	0.00121	1	04/25/2018 21:18	WG1100741	
Chloroethane	U UJ	J0 J3	0.00115	0.00606	1	04/25/2018 21:18	WG1100741	
Chloroform	U		0.000278	0.00606	1	04/25/2018 21:18	WG1100741	
Chloromethane	U UJ	J0 J3	0.000455	0.00303	1	04/25/2018 21:18	WG1100741	
2-Chlorotoluene	U		0.000365	0.00121	1	04/25/2018 21:18	WG1100741	
4-Chlorotoluene	U		0.000291	0.00121	1	04/25/2018 21:18	WG1100741	
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00606	1	04/25/2018 21:18	WG1100741	
1,2-Dibromoethane	U		0.000416	0.00121	1	04/25/2018 21:18	WG1100741	
Dibromomethane	U		0.000463	0.00121	1	04/25/2018 21:18	WG1100741	
1,2-Dichlorobenzene	U		0.000370	0.00121	1	04/25/2018 21:18	WG1100741	
1,3-Dichlorobenzene	U		0.000290	0.00121	1	04/25/2018 21:18	WG1100741	
1,4-Dichlorobenzene	U		0.000274	0.00121	1	04/25/2018 21:18	WG1100741	
Dichlorodifluoromethane	U UJ	J0 J3	0.000865	0.00606	1	04/25/2018 21:18	WG1100741	
1,1-Dichloroethane	U	J3	0.000241	0.00121	1	04/25/2018 21:18	WG1100741	
1,2-Dichloroethane	U		0.000321	0.00121	1	04/25/2018 21:18	WG1100741	
1,1-Dichloroethene	U	J3	0.000368	0.00121	1	04/25/2018 21:18	WG1100741	
cis-1,2-Dichloroethene	0.000290 J	J	0.000285	0.00121	1	04/25/2018 21:18	WG1100741	
trans-1,2-Dichloroethene	U		0.000320	0.00121	1	04/25/2018 21:18	WG1100741	
1,2-Dichloropropane	U		0.000434	0.00121	1	04/25/2018 21:18	WG1100741	
1,1-Dichloropropene	U		0.000385	0.00121	1	04/25/2018 21:18	WG1100741	
1,3-Dichloropropane	U		0.000251	0.00121	1	04/25/2018 21:18	WG1100741	
cis-1,3-Dichloropropene	U		0.000318	0.00121	1	04/25/2018 21:18	WG1100741	
trans-1,3-Dichloropropene	U		0.000324	0.00121	1	04/25/2018 21:18	WG1100741	
trans-1,4-Dichloro-2-butene	U		0.000944	0.00303	1	04/25/2018 21:18	WG1100741	
2,2-Dichloropropane	U		0.000338	0.00121	1	04/25/2018 21:18	WG1100741	
Di-isopropyl ether	U	J3	0.000301	0.00121	1	04/25/2018 21:18	WG1100741	
Ethylbenzene	U		0.000360	0.00121	1	04/25/2018 21:18	WG1100741	
Hexachloro-1,3-butadiene	U		0.000415	0.00121	1	04/25/2018 21:18	WG1100741	
2-Hexanone	U		0.00166	0.0121	1	04/25/2018 21:18	WG1100741	
n-Hexane	U		0.000352	0.0121	1	04/25/2018 21:18	WG1100741	
Iodomethane	U	J3	0.00307	0.0121	1	04/25/2018 21:18	WG1100741	
Isopropylbenzene	U		0.000295	0.00121	1	04/25/2018 21:18	WG1100741	
p-Isopropyltoluene	U		0.000247	0.00121	1	04/25/2018 21:18	WG1100741	
2-Butanone (MEK)	U	J3	0.00568	0.0121	1	04/25/2018 21:18	WG1100741	
Methylene Chloride	U		0.00121	0.00606	1	04/25/2018 21:18	WG1100741	JC 5/9/18
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	04/25/2018 21:18	WG1100741	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000257	0.00121	1	04/25/2018 21:18	WG1100741
Naphthalene	U		0.00121	0.00606	1	04/25/2018 21:18	WG1100741
n-Propylbenzene	U		0.000250	0.00121	1	04/25/2018 21:18	WG1100741
Styrene	U		0.000284	0.00121	1	04/25/2018 21:18	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000320	0.00121	1	04/25/2018 21:18	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000443	0.00121	1	04/25/2018 21:18	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000443	0.00121	1	04/25/2018 21:18	WG1100741
Tetrachloroethene	U		0.000335	0.00121	1	04/25/2018 21:18	WG1100741
Toluene	U		0.000526	0.00606	1	04/25/2018 21:18	WG1100741
1,2,3-Trichlorobenzene	U		0.000371	0.00121	1	04/25/2018 21:18	WG1100741
1,2,4-Trichlorobenzene	U		0.000471	0.00121	1	04/25/2018 21:18	WG1100741
1,1,1-Trichloroethane	U		0.000347	0.00121	1	04/25/2018 21:18	WG1100741
1,1,2-Trichloroethane	U		0.000336	0.00121	1	04/25/2018 21:18	WG1100741
Trichloroethene	U		0.000338	0.00121	1	04/25/2018 21:18	WG1100741
Trichlorofluoromethane	U		0.000463	0.00606	1	04/25/2018 21:18	WG1100741
1,2,3-Trichloropropane	U		0.000899	0.00303	1	04/25/2018 21:18	WG1100741
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	04/25/2018 21:18	WG1100741
1,2,3-Trimethylbenzene	U		0.000348	0.00121	1	04/25/2018 21:18	WG1100741
1,3,5-Trimethylbenzene	U		0.000323	0.00121	1	04/25/2018 21:18	WG1100741
Vinyl acetate	U		0.00290	0.0121	1	04/25/2018 21:18	WG1100741
Vinyl chloride	0.000544 J	J J3	0.000353	0.00121	1	04/25/2018 21:18	WG1100741
Xylenes, Total	U		0.000847	0.00364	1	04/25/2018 21:18	WG1100741
(S) Toluene-d8	*102*			*80.0-120*		*04/25/2018 21:18*	WG1100741
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*04/25/2018 21:18*	WG1100741
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*04/25/2018 21:18*	WG1100741

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0115	0.0574	1	04/20/2018 05:11	WG1100741	
Acrylonitrile	U		0.00206	0.0115	1	04/20/2018 05:11	WG1100741	
Benzene	U		0.000310	0.00115	1	04/20/2018 05:11	WG1100741	
Bromobenzene	U		0.000326	0.00115	1	04/20/2018 05:11	WG1100741	
Bromodichloromethane	U		0.000292	0.00115	1	04/20/2018 05:11	WG1100741	
Bromochloromethane	U		0.000448	0.00574	1	04/20/2018 05:11	WG1100741	
Bromoform	U		0.000487	0.00115	1	04/20/2018 05:11	WG1100741	
Bromomethane	U	J3	0.00154	0.00574	1	04/20/2018 05:11	WG1100741	
n-Butylbenzene	U		0.000296	0.00115	1	04/20/2018 05:11	WG1100741	
sec-Butylbenzene	U		0.000231	0.00115	1	04/20/2018 05:11	WG1100741	
tert-Butylbenzene	U		0.000237	0.00115	1	04/20/2018 05:11	WG1100741	
Carbon disulfide	U UJ	J0 J3	0.000254	0.00115	1	04/20/2018 05:11	WG1100741	
Carbon tetrachloride	U		0.000377	0.00115	1	04/20/2018 05:11	WG1100741	
Chlorobenzene	U		0.000243	0.00115	1	04/20/2018 05:11	WG1100741	
Chlorodibromomethane	U		0.000428	0.00115	1	04/20/2018 05:11	WG1100741	
Chloroethane	U	J3	0.00109	0.00574	1	04/20/2018 05:11	WG1100741	
Chloroform	U		0.000263	0.00574	1	04/20/2018 05:11	WG1100741	
Chloromethane	U	J3	0.000431	0.00287	1	04/20/2018 05:11	WG1100741	
2-Chlorotoluene	U		0.000346	0.00115	1	04/20/2018 05:11	WG1100741	
4-Chlorotoluene	U		0.000276	0.00115	1	04/20/2018 05:11	WG1100741	
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	04/20/2018 05:11	WG1100741	
1,2-Dibromoethane	U		0.000394	0.00115	1	04/20/2018 05:11	WG1100741	
Dibromomethane	U		0.000439	0.00115	1	04/20/2018 05:11	WG1100741	
1,2-Dichlorobenzene	U		0.000350	0.00115	1	04/20/2018 05:11	WG1100741	
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/20/2018 05:11	WG1100741	
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/20/2018 05:11	WG1100741	
Dichlorodifluoromethane	U	J3	0.000819	0.00574	1	04/20/2018 05:11	WG1100741	
1,1-Dichloroethane	U	J3	0.000229	0.00115	1	04/20/2018 05:11	WG1100741	JC 5/9/18
1,2-Dichloroethane	U		0.000304	0.00115	1	04/20/2018 05:11	WG1100741	
1,1-Dichloroethene	U	J3	0.000348	0.00115	1	04/20/2018 05:11	WG1100741	
cis-1,2-Dichloroethene	0.000380 J	J	0.000270	0.00115	1	04/20/2018 05:11	WG1100741	
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/20/2018 05:11	WG1100741	
1,2-Dichloropropane	U		0.000411	0.00115	1	04/20/2018 05:11	WG1100741	
1,1-Dichloropropene	U		0.000364	0.00115	1	04/20/2018 05:11	WG1100741	
1,3-Dichloropropane	U		0.000238	0.00115	1	04/20/2018 05:11	WG1100741	
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/20/2018 05:11	WG1100741	
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/20/2018 05:11	WG1100741	
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	04/20/2018 05:11	WG1100741	
2,2-Dichloropropane	U		0.000320	0.00115	1	04/20/2018 05:11	WG1100741	
Di-isopropyl ether	U	J3	0.000285	0.00115	1	04/20/2018 05:11	WG1100741	
Ethylbenzene	U		0.000341	0.00115	1	04/20/2018 05:11	WG1100741	
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	04/20/2018 05:11	WG1100741	
2-Hexanone	U		0.00157	0.0115	1	04/20/2018 05:11	WG1100741	
n-Hexane	U UJ	J0	0.000333	0.0115	1	04/20/2018 05:11	WG1100741	
Iodomethane	U	J3	0.00291	0.0115	1	04/20/2018 05:11	WG1100741	
Isopropylbenzene	U UJ	J0	0.000279	0.00115	1	04/20/2018 05:11	WG1100741	
p-Isopropyltoluene	U		0.000234	0.00115	1	04/20/2018 05:11	WG1100741	
2-Butanone (MEK)	U UJ	J0 J3	0.00538	0.0115	1	04/20/2018 05:11	WG1100741	
Methylene Chloride	U		0.00115	0.00574	1	04/20/2018 05:11	WG1100741	
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/20/2018 05:11	WG1100741	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000243	0.00115	1	04/20/2018 05:11	WG1100741
Naphthalene	U			0.00115	0.00574	1	04/20/2018 05:11	WG1100741
n-Propylbenzene	U	UJ	J0	0.000237	0.00115	1	04/20/2018 05:11	WG1100741
Styrene	U	UJ	J0	0.000269	0.00115	1	04/20/2018 05:11	WG1100741
1,1,1,2-Tetrachloroethane	U			0.000303	0.00115	1	04/20/2018 05:11	WG1100741
1,1,2,2-Tetrachloroethane	U			0.000419	0.00115	1	04/20/2018 05:11	WG1100741
1,1,2-Trichlorotrifluoroethane	U		J3	0.000419	0.00115	1	04/20/2018 05:11	WG1100741
Tetrachloroethene	0.000464	J	J	0.000317	0.00115	1	04/20/2018 05:11	WG1100741
Toluene	U			0.000498	0.00574	1	04/20/2018 05:11	WG1100741
1,2,3-Trichlorobenzene	U			0.000351	0.00115	1	04/20/2018 05:11	WG1100741
1,2,4-Trichlorobenzene	U			0.000446	0.00115	1	04/20/2018 05:11	WG1100741
1,1,1-Trichloroethane	U			0.000328	0.00115	1	04/20/2018 05:11	WG1100741
1,1,2-Trichloroethane	U			0.000318	0.00115	1	04/20/2018 05:11	WG1100741
Trichloroethene	U			0.000320	0.00115	1	04/20/2018 05:11	WG1100741
Trichlorofluoromethane	U			0.000439	0.00574	1	04/20/2018 05:11	WG1100741
1,2,3-Trichloropropane	U			0.000851	0.00287	1	04/20/2018 05:11	WG1100741
1,2,4-Trimethylbenzene	U			0.000242	0.00115	1	04/20/2018 05:11	WG1100741
1,2,3-Trimethylbenzene	U			0.000330	0.00115	1	04/20/2018 05:11	WG1100741
1,3,5-Trimethylbenzene	U			0.000306	0.00115	1	04/20/2018 05:11	WG1100741
Vinyl acetate	U	UJ	J0	0.00274	0.0115	1	04/20/2018 05:11	WG1100741
Vinyl chloride	0.000723	J	J J3	0.000334	0.00115	1	04/20/2018 05:11	WG1100741
Xylenes, Total	U			0.000802	0.00345	1	04/20/2018 05:11	WG1100741
(S) Toluene-d8	*98.6*				*80.0-120*		*04/20/2018 05:11*	WG1100741
(S) Dibromofluoromethane	*115*				*74.0-131*		*04/20/2018 05:11*	WG1100741
(S) 4-Bromofluorobenzene	*90.2*				*64.0-132*		*04/20/2018 05:11*	WG1100741

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0125 U	J J0	0.0112	0.0561	1	04/25/2018 21:40	WG1100741
Acrylonitrile	U		0.00201	0.0112	1	04/25/2018 21:40	WG1100741
Benzene	U		0.000303	0.00112	1	04/25/2018 21:40	WG1100741
Bromobenzene	U		0.000319	0.00112	1	04/25/2018 21:40	WG1100741
Bromodichloromethane	U		0.000285	0.00112	1	04/25/2018 21:40	WG1100741
Bromochloromethane	U		0.000437	0.00561	1	04/25/2018 21:40	WG1100741
Bromoform	U		0.000476	0.00112	1	04/25/2018 21:40	WG1100741
Bromomethane	U UJ	J0 J3	0.00150	0.00561	1	04/25/2018 21:40	WG1100741
n-Butylbenzene	U		0.000289	0.00112	1	04/25/2018 21:40	WG1100741
sec-Butylbenzene	U		0.000225	0.00112	1	04/25/2018 21:40	WG1100741
tert-Butylbenzene	U		0.000231	0.00112	1	04/25/2018 21:40	WG1100741
Carbon disulfide	0.000685 J	J J3	0.000248	0.00112	1	04/25/2018 21:40	WG1100741
Carbon tetrachloride	U		0.000368	0.00112	1	04/25/2018 21:40	WG1100741
Chlorobenzene	U		0.000238	0.00112	1	04/25/2018 21:40	WG1100741
Chlorodibromomethane	U		0.000418	0.00112	1	04/25/2018 21:40	WG1100741
Chloroethane	U UJ	J0 J3	0.00106	0.00561	1	04/25/2018 21:40	WG1100741
Chloroform	U		0.000257	0.00561	1	04/25/2018 21:40	WG1100741
Chloromethane	U UJ	J0 J3	0.000421	0.00280	1	04/25/2018 21:40	WG1100741
2-Chlorotoluene	U		0.000338	0.00112	1	04/25/2018 21:40	WG1100741
4-Chlorotoluene	U		0.000269	0.00112	1	04/25/2018 21:40	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	04/25/2018 21:40	WG1100741
1,2-Dibromoethane	U		0.000385	0.00112	1	04/25/2018 21:40	WG1100741
Dibromomethane	U		0.000428	0.00112	1	04/25/2018 21:40	WG1100741
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/25/2018 21:40	WG1100741
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/25/2018 21:40	WG1100741
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/25/2018 21:40	WG1100741
Dichlorodifluoromethane	U UJ	J0 J3	0.000800	0.00561	1	04/25/2018 21:40	WG1100741
1,1-Dichloroethane	U	J3	0.000223	0.00112	1	04/25/2018 21:40	WG1100741
1,2-Dichloroethane	U		0.000297	0.00112	1	04/25/2018 21:40	WG1100741
1,1-Dichloroethene	U	J3	0.000340	0.00112	1	04/25/2018 21:40	WG1100741
cis-1,2-Dichloroethene	0.000384 J	J	0.000264	0.00112	1	04/25/2018 21:40	WG1100741
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/25/2018 21:40	WG1100741
1,2-Dichloropropane	U		0.000402	0.00112	1	04/25/2018 21:40	WG1100741
1,1-Dichloropropene	U		0.000356	0.00112	1	04/25/2018 21:40	WG1100741
1,3-Dichloropropane	U		0.000232	0.00112	1	04/25/2018 21:40	WG1100741
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/25/2018 21:40	WG1100741
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/25/2018 21:40	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000873	0.00280	1	04/25/2018 21:40	WG1100741
2,2-Dichloropropane	U		0.000313	0.00112	1	04/25/2018 21:40	WG1100741
Di-isopropyl ether	U	J3	0.000278	0.00112	1	04/25/2018 21:40	WG1100741
Ethylbenzene	U		0.000333	0.00112	1	04/25/2018 21:40	WG1100741
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/25/2018 21:40	WG1100741
2-Hexanone	U		0.00154	0.0112	1	04/25/2018 21:40	WG1100741
n-Hexane	U		0.000325	0.0112	1	04/25/2018 21:40	WG1100741
Iodomethane	U	J3	0.00284	0.0112	1	04/25/2018 21:40	WG1100741
Isopropylbenzene	U		0.000273	0.00112	1	04/25/2018 21:40	WG1100741
p-Isopropyltoluene	U		0.000229	0.00112	1	04/25/2018 21:40	WG1100741
2-Butanone (MEK)	U	J3	0.00525	0.0112	1	04/25/2018 21:40	WG1100741
Methylene Chloride	U		0.00112	0.00561	1	04/25/2018 21:40	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/25/2018 21:40	WG1100741

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/25/2018 21:40	WG1100741
Naphthalene	U		0.00112	0.00561	1	04/25/2018 21:40	WG1100741
n-Propylbenzene	U		0.000231	0.00112	1	04/25/2018 21:40	WG1100741
Styrene	U		0.000262	0.00112	1	04/25/2018 21:40	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/25/2018 21:40	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/25/2018 21:40	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000409	0.00112	1	04/25/2018 21:40	WG1100741
Tetrachloroethene	0.000450 J	J	0.000310	0.00112	1	04/25/2018 21:40	WG1100741
Toluene	U		0.000487	0.00561	1	04/25/2018 21:40	WG1100741
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/25/2018 21:40	WG1100741
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/25/2018 21:40	WG1100741
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/25/2018 21:40	WG1100741
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/25/2018 21:40	WG1100741
Trichloroethene	U		0.000313	0.00112	1	04/25/2018 21:40	WG1100741
Trichlorofluoromethane	U		0.000428	0.00561	1	04/25/2018 21:40	WG1100741
1,2,3-Trichloropropane	U		0.000831	0.00280	1	04/25/2018 21:40	WG1100741
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/25/2018 21:40	WG1100741
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/25/2018 21:40	WG1100741
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/25/2018 21:40	WG1100741
Vinyl acetate	U		0.00268	0.0112	1	04/25/2018 21:40	WG1100741
Vinyl chloride	0.00180	J3	0.000326	0.00112	1	04/25/2018 21:40	WG1100741
Xylenes, Total	U		0.000783	0.00336	1	04/25/2018 21:40	WG1100741
(S) Toluene-d8	*101*			*80.0-120*		*04/25/2018 21:40*	WG1100741
(S) Dibromofluoromethane	*93.7*			*74.0-131*		*04/25/2018 21:40*	WG1100741
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*04/25/2018 21:40*	WG1100741

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	04/21/2018 09:15	WG1101106

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0121	0.0604	1	04/20/2018 05:50	WG1100741
Acrylonitrile	U		0.00216	0.0121	1	04/20/2018 05:50	WG1100741
Benzene	U		0.000326	0.00121	1	04/20/2018 05:50	WG1100741
Bromobenzene	U		0.000343	0.00121	1	04/20/2018 05:50	WG1100741
Bromodichloromethane	U		0.000307	0.00121	1	04/20/2018 05:50	WG1100741
Bromochloromethane	U		0.000471	0.00604	1	04/20/2018 05:50	WG1100741
Bromoform	U		0.000513	0.00121	1	04/20/2018 05:50	WG1100741
Bromomethane	U	J3	0.00162	0.00604	1	04/20/2018 05:50	WG1100741
n-Butylbenzene	U		0.000312	0.00121	1	04/20/2018 05:50	WG1100741
sec-Butylbenzene	U		0.000243	0.00121	1	04/20/2018 05:50	WG1100741
tert-Butylbenzene	U		0.000249	0.00121	1	04/20/2018 05:50	WG1100741
Carbon disulfide	0.000697 J	J J0 J3	0.000267	0.00121	1	04/20/2018 05:50	WG1100741
Carbon tetrachloride	U		0.000397	0.00121	1	04/20/2018 05:50	WG1100741
Chlorobenzene	U		0.000256	0.00121	1	04/20/2018 05:50	WG1100741
Chlorodibromomethane	U		0.000451	0.00121	1	04/20/2018 05:50	WG1100741
Chloroethane	U	J3	0.00114	0.00604	1	04/20/2018 05:50	WG1100741
Chloroform	U		0.000277	0.00604	1	04/20/2018 05:50	WG1100741
Chloromethane	U	J3	0.000453	0.00302	1	04/20/2018 05:50	WG1100741
2-Chlorotoluene	U		0.000364	0.00121	1	04/20/2018 05:50	WG1100741
4-Chlorotoluene	U		0.000290	0.00121	1	04/20/2018 05:50	WG1100741
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00604	1	04/20/2018 05:50	WG1100741
1,2-Dibromoethane	U		0.000415	0.00121	1	04/20/2018 05:50	WG1100741
Dibromomethane	U		0.000462	0.00121	1	04/20/2018 05:50	WG1100741
1,2-Dichlorobenzene	U		0.000369	0.00121	1	04/20/2018 05:50	WG1100741
1,3-Dichlorobenzene	U		0.000289	0.00121	1	04/20/2018 05:50	WG1100741
1,4-Dichlorobenzene	U		0.000273	0.00121	1	04/20/2018 05:50	WG1100741
Dichlorodifluoromethane	U	J3	0.000862	0.00604	1	04/20/2018 05:50	WG1100741
1,1-Dichloroethane	U	J3	0.000241	0.00121	1	04/20/2018 05:50	WG1100741
1,2-Dichloroethane	U		0.000320	0.00121	1	04/20/2018 05:50	WG1100741
1,1-Dichloroethene	U	J3	0.000366	0.00121	1	04/20/2018 05:50	WG1100741
cis-1,2-Dichloroethene	U		0.000284	0.00121	1	04/20/2018 05:50	WG1100741
trans-1,2-Dichloroethene	U		0.000319	0.00121	1	04/20/2018 05:50	WG1100741
1,2-Dichloropropane	U		0.000433	0.00121	1	04/20/2018 05:50	WG1100741
1,1-Dichloropropene	U		0.000383	0.00121	1	04/20/2018 05:50	WG1100741
1,3-Dichloropropane	U		0.000250	0.00121	1	04/20/2018 05:50	WG1100741
cis-1,3-Dichloropropene	U		0.000317	0.00121	1	04/20/2018 05:50	WG1100741
trans-1,3-Dichloropropene	U		0.000323	0.00121	1	04/20/2018 05:50	WG1100741
trans-1,4-Dichloro-2-butene	U		0.000941	0.00302	1	04/20/2018 05:50	WG1100741
2,2-Dichloropropane	U		0.000337	0.00121	1	04/20/2018 05:50	WG1100741
Di-isopropyl ether	U	J3	0.000300	0.00121	1	04/20/2018 05:50	WG1100741
Ethylbenzene	U		0.000359	0.00121	1	04/20/2018 05:50	WG1100741
Hexachloro-1,3-butadiene	U		0.000413	0.00121	1	04/20/2018 05:50	WG1100741
2-Hexanone	U		0.00166	0.0121	1	04/20/2018 05:50	WG1100741 JC 5/9/18
n-Hexane	U UJ	J0	0.000351	0.0121	1	04/20/2018 05:50	WG1100741
Iodomethane	U	J3	0.00306	0.0121	1	04/20/2018 05:50	WG1100741
Isopropylbenzene	U UJ	J0	0.000294	0.00121	1	04/20/2018 05:50	WG1100741
p-Isopropyltoluene	U		0.000247	0.00121	1	04/20/2018 05:50	WG1100741
2-Butanone (MEK)	U UJ	J0 J3	0.00566	0.0121	1	04/20/2018 05:50	WG1100741
Methylene Chloride	U		0.00121	0.00604	1	04/20/2018 05:50	WG1100741
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	04/20/2018 05:50	WG1100741

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000256	0.00121	1	04/20/2018 05:50	WG1100741
Naphthalene	U			0.00121	0.00604	1	04/20/2018 05:50	WG1100741
n-Propylbenzene	U	UJ	J0	0.000249	0.00121	1	04/20/2018 05:50	WG1100741
Styrene	U	UJ	J0	0.000283	0.00121	1	04/20/2018 05:50	WG1100741
1,1,1,2-Tetrachloroethane	U			0.000319	0.00121	1	04/20/2018 05:50	WG1100741
1,1,2,2-Tetrachloroethane	U			0.000441	0.00121	1	04/20/2018 05:50	WG1100741
1,1,2-Trichlorotrifluoroethane	U		J3	0.000441	0.00121	1	04/20/2018 05:50	WG1100741
Tetrachloroethene	U			0.000334	0.00121	1	04/20/2018 05:50	WG1100741
Toluene	U			0.000525	0.00604	1	04/20/2018 05:50	WG1100741
1,2,3-Trichlorobenzene	U			0.000370	0.00121	1	04/20/2018 05:50	WG1100741
1,2,4-Trichlorobenzene	U			0.000469	0.00121	1	04/20/2018 05:50	WG1100741
1,1,1-Trichloroethane	U			0.000346	0.00121	1	04/20/2018 05:50	WG1100741
1,1,2-Trichloroethane	U			0.000335	0.00121	1	04/20/2018 05:50	WG1100741
Trichloroethene	U			0.000337	0.00121	1	04/20/2018 05:50	WG1100741
Trichlorofluoromethane	U			0.000462	0.00604	1	04/20/2018 05:50	WG1100741
1,2,3-Trichloropropane	U			0.000896	0.00302	1	04/20/2018 05:50	WG1100741
1,2,4-Trimethylbenzene	U			0.000255	0.00121	1	04/20/2018 05:50	WG1100741
1,2,3-Trimethylbenzene	U			0.000347	0.00121	1	04/20/2018 05:50	WG1100741
1,3,5-Trimethylbenzene	U			0.000322	0.00121	1	04/20/2018 05:50	WG1100741
Vinyl acetate	U	UJ	J0	0.00289	0.0121	1	04/20/2018 05:50	WG1100741
Vinyl chloride	U		J3	0.000352	0.00121	1	04/20/2018 05:50	WG1100741
Xylenes, Total	U			0.000844	0.00363	1	04/20/2018 05:50	WG1100741
(S) Toluene-d8	*98.5*				*80.0-120*		*04/20/2018 05:50*	WG1100741
(S) Dibromofluoromethane	*121*				*74.0-131*		*04/20/2018 05:50*	WG1100741
(S) 4-Bromofluorobenzene	*86.5*				*64.0-132*		*04/20/2018 05:50*	WG1100741

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.1		1	04/21/2018 10:17	WG1101107

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0122	0.0609	1	04/25/2018 22:01	WG1100741	
Acrylonitrile	U			0.00218	0.0122	1	04/25/2018 22:01	WG1100741	
Benzene	U			0.000329	0.00122	1	04/25/2018 22:01	WG1100741	
Bromobenzene	U			0.000346	0.00122	1	04/25/2018 22:01	WG1100741	
Bromodichloromethane	U			0.000310	0.00122	1	04/25/2018 22:01	WG1100741	
Bromochloromethane	U			0.000475	0.00609	1	04/25/2018 22:01	WG1100741	
Bromoform	U			0.000517	0.00122	1	04/25/2018 22:01	WG1100741	
Bromomethane	U	UJ	J0 J3	0.00163	0.00609	1	04/25/2018 22:01	WG1100741	
n-Butylbenzene	U			0.000314	0.00122	1	04/25/2018 22:01	WG1100741	
sec-Butylbenzene	U			0.000245	0.00122	1	04/25/2018 22:01	WG1100741	
tert-Butylbenzene	U			0.000251	0.00122	1	04/25/2018 22:01	WG1100741	
Carbon disulfide	U		J3	0.000269	0.00122	1	04/25/2018 22:01	WG1100741	
Carbon tetrachloride	U			0.000400	0.00122	1	04/25/2018 22:01	WG1100741	
Chlorobenzene	U			0.000258	0.00122	1	04/25/2018 22:01	WG1100741	
Chlorodibromomethane	U			0.000455	0.00122	1	04/25/2018 22:01	WG1100741	
Chloroethane	U	UJ	J0 J3	0.00115	0.00609	1	04/25/2018 22:01	WG1100741	
Chloroform	U			0.000279	0.00609	1	04/25/2018 22:01	WG1100741	
Chloromethane	U	UJ	J0 J3	0.000457	0.00305	1	04/25/2018 22:01	WG1100741	
2-Chlorotoluene	U			0.000367	0.00122	1	04/25/2018 22:01	WG1100741	
4-Chlorotoluene	U			0.000292	0.00122	1	04/25/2018 22:01	WG1100741	
1,2-Dibromo-3-Chloropropane	U			0.00128	0.00609	1	04/25/2018 22:01	WG1100741	
1,2-Dibromoethane	U			0.000418	0.00122	1	04/25/2018 22:01	WG1100741	
Dibromomethane	U			0.000466	0.00122	1	04/25/2018 22:01	WG1100741	
1,2-Dichlorobenzene	U			0.000372	0.00122	1	04/25/2018 22:01	WG1100741	
1,3-Dichlorobenzene	U			0.000291	0.00122	1	04/25/2018 22:01	WG1100741	
1,4-Dichlorobenzene	U			0.000275	0.00122	1	04/25/2018 22:01	WG1100741	
Dichlorodifluoromethane	U	UJ	J0 J3	0.000869	0.00609	1	04/25/2018 22:01	WG1100741	
1,1-Dichloroethane	U		J3	0.000243	0.00122	1	04/25/2018 22:01	WG1100741	
1,2-Dichloroethane	U			0.000323	0.00122	1	04/25/2018 22:01	WG1100741	
1,1-Dichloroethene	0.000425	J	J J3	0.000369	0.00122	1	04/25/2018 22:01	WG1100741	JC 5/9/18
cis-1,2-Dichloroethene	0.0506			0.000286	0.00122	1	04/25/2018 22:01	WG1100741	
trans-1,2-Dichloroethene	0.000365	J	J	0.000322	0.00122	1	04/25/2018 22:01	WG1100741	
1,2-Dichloropropane	U			0.000436	0.00122	1	04/25/2018 22:01	WG1100741	
1,1-Dichloropropene	U			0.000386	0.00122	1	04/25/2018 22:01	WG1100741	
1,3-Dichloropropane	U			0.000252	0.00122	1	04/25/2018 22:01	WG1100741	
cis-1,3-Dichloropropene	U			0.000319	0.00122	1	04/25/2018 22:01	WG1100741	
trans-1,3-Dichloropropene	U			0.000325	0.00122	1	04/25/2018 22:01	WG1100741	
trans-1,4-Dichloro-2-butene	U			0.000948	0.00305	1	04/25/2018 22:01	WG1100741	
2,2-Dichloropropane	U			0.000340	0.00122	1	04/25/2018 22:01	WG1100741	
Di-isopropyl ether	U		J3	0.000302	0.00122	1	04/25/2018 22:01	WG1100741	
Ethylbenzene	U			0.000362	0.00122	1	04/25/2018 22:01	WG1100741	
Hexachloro-1,3-butadiene	U			0.000417	0.00122	1	04/25/2018 22:01	WG1100741	
2-Hexanone	U			0.00167	0.0122	1	04/25/2018 22:01	WG1100741	
n-Hexane	U			0.000353	0.0122	1	04/25/2018 22:01	WG1100741	
Iodomethane	U		J3	0.00308	0.0122	1	04/25/2018 22:01	WG1100741	
Isopropylbenzene	U			0.000296	0.00122	1	04/25/2018 22:01	WG1100741	
p-Isopropyltoluene	U			0.000249	0.00122	1	04/25/2018 22:01	WG1100741	
2-Butanone (MEK)	U		J3	0.00570	0.0122	1	04/25/2018 22:01	WG1100741	
Methylene Chloride	U			0.00122	0.00609	1	04/25/2018 22:01	WG1100741	
4-Methyl-2-pentanone (MIBK)	U			0.00229	0.0122	1	04/25/2018 22:01	WG1100741	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000258	0.00122	1	04/25/2018 22:01	WG1100741
Naphthalene	U		0.00122	0.00609	1	04/25/2018 22:01	WG1100741
n-Propylbenzene	U		0.000251	0.00122	1	04/25/2018 22:01	WG1100741
Styrene	U		0.000285	0.00122	1	04/25/2018 22:01	WG1100741
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	04/25/2018 22:01	WG1100741
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	04/25/2018 22:01	WG1100741
1,1,2-Trichlorotrifluoroethane	U	J3	0.000445	0.00122	1	04/25/2018 22:01	WG1100741
Tetrachloroethene	0.0196		0.000336	0.00122	1	04/25/2018 22:01	WG1100741
Toluene	U		0.000529	0.00609	1	04/25/2018 22:01	WG1100741
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	04/25/2018 22:01	WG1100741
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	04/25/2018 22:01	WG1100741
1,1,1-Trichloroethane	U		0.000349	0.00122	1	04/25/2018 22:01	WG1100741
1,1,2-Trichloroethane	U		0.000338	0.00122	1	04/25/2018 22:01	WG1100741
Trichloroethene	0.0234		0.000340	0.00122	1	04/25/2018 22:01	WG1100741
Trichlorofluoromethane	U		0.000466	0.00609	1	04/25/2018 22:01	WG1100741
1,2,3-Trichloropropane	U		0.000903	0.00305	1	04/25/2018 22:01	WG1100741
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	04/25/2018 22:01	WG1100741
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	04/25/2018 22:01	WG1100741
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	04/25/2018 22:01	WG1100741
Vinyl acetate	U		0.00291	0.0122	1	04/25/2018 22:01	WG1100741
Vinyl chloride	U	J3	0.000355	0.00122	1	04/25/2018 22:01	WG1100741
Xylenes, Total	U		0.000851	0.00366	1	04/25/2018 22:01	WG1100741
(S) Toluene-d8	*104*			*80.0-120*		*04/25/2018 22:01*	WG1100741
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*04/25/2018 22:01*	WG1100741
(S) 4-Bromofluorobenzene	*92.1*			*64.0-132*		*04/25/2018 22:01*	WG1100741

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.80	J	1.05	25.0	1	04/20/2018 12:12	WG1100931
Acrylonitrile	U		0.873	5.00	1	04/20/2018 12:12	WG1100931
Benzene	U		0.0896	0.500	1	04/20/2018 12:12	WG1100931
Bromobenzene	U		0.133	0.500	1	04/20/2018 12:12	WG1100931
Bromodichloromethane	U		0.0800	0.500	1	04/20/2018 12:12	WG1100931
Bromochloromethane	U		0.145	0.500	1	04/20/2018 12:12	WG1100931
Bromoform	U		0.186	0.500	1	04/20/2018 12:12	WG1100931
Bromomethane	U		0.157	2.50	1	04/20/2018 12:12	WG1100931
n-Butylbenzene	U		0.143	0.500	1	04/20/2018 12:12	WG1100931
sec-Butylbenzene	U		0.134	0.500	1	04/20/2018 12:12	WG1100931
tert-Butylbenzene	U		0.183	0.500	1	04/20/2018 12:12	WG1100931
Carbon disulfide	U		0.101	0.500	1	04/20/2018 12:12	WG1100931
Carbon tetrachloride	U		0.159	0.500	1	04/20/2018 12:12	WG1100931
Chlorobenzene	U		0.140	0.500	1	04/20/2018 12:12	WG1100931
Chlorodibromomethane	U		0.128	0.500	1	04/20/2018 12:12	WG1100931
Chloroethane	U		0.141	2.50	1	04/20/2018 12:12	WG1100931
Chloroform	U		0.0860	0.500	1	04/20/2018 12:12	WG1100931
Chloromethane	U		0.153	1.25	1	04/20/2018 12:12	WG1100931
2-Chlorotoluene	U		0.111	0.500	1	04/20/2018 12:12	WG1100931
4-Chlorotoluene	U		0.0972	0.500	1	04/20/2018 12:12	WG1100931
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/20/2018 12:12	WG1100931
1,2-Dibromoethane	U		0.193	0.500	1	04/20/2018 12:12	WG1100931
Dibromomethane	U		0.117	0.500	1	04/20/2018 12:12	WG1100931
1,2-Dichlorobenzene	U		0.101	0.500	1	04/20/2018 12:12	WG1100931
1,3-Dichlorobenzene	U		0.130	0.500	1	04/20/2018 12:12	WG1100931
1,4-Dichlorobenzene	U		0.121	0.500	1	04/20/2018 12:12	WG1100931
Dichlorodifluoromethane	U		0.127	2.50	1	04/20/2018 12:12	WG1100931
1,1-Dichloroethane	U		0.114	0.500	1	04/20/2018 12:12	WG1100931
1,2-Dichloroethane	U		0.108	0.500	1	04/20/2018 12:12	WG1100931
1,1-Dichloroethene	U		0.188	0.500	1	04/20/2018 12:12	WG1100931
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/20/2018 12:12	WG1100931
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/20/2018 12:12	WG1100931
1,2-Dichloropropane	U		0.190	0.500	1	04/20/2018 12:12	WG1100931
1,1-Dichloropropene	U		0.128	0.500	1	04/20/2018 12:12	WG1100931
1,3-Dichloropropane	U		0.147	1.00	1	04/20/2018 12:12	WG1100931
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/20/2018 12:12	WG1100931
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/20/2018 12:12	WG1100931
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/20/2018 12:12	WG1100931
2,2-Dichloropropane	U		0.0929	0.500	1	04/20/2018 12:12	WG1100931
Di-isopropyl ether	U		0.0924	0.500	1	04/20/2018 12:12	WG1100931
Ethylbenzene	U		0.158	0.500	1	04/20/2018 12:12	WG1100931
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/20/2018 12:12	WG1100931
2-Hexanone	U		0.757	5.00	1	04/20/2018 12:12	WG1100931
n-Hexane	U		0.305	5.00	1	04/20/2018 12:12	WG1100931
Iodomethane	U		0.377	10.0	1	04/20/2018 12:12	WG1100931
Isopropylbenzene	U		0.126	0.500	1	04/20/2018 12:12	WG1100931
p-Isopropyltoluene	U		0.138	0.500	1	04/20/2018 12:12	WG1100931
2-Butanone (MEK)	U		1.28	5.00	1	04/20/2018 12:12	WG1100931
Methylene Chloride	U		1.07	2.50	1	04/20/2018 12:12	WG1100931
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/20/2018 12:12	WG1100931
Methyl tert-butyl ether	U		0.102	0.500	1	04/20/2018 12:12	WG1100931
Naphthalene	U		0.174	2.50	1	04/20/2018 12:12	WG1100931
n-Propylbenzene	U		0.162	0.500	1	04/20/2018 12:12	WG1100931
Styrene	U		0.117	0.500	1	04/20/2018 12:12	WG1100931
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/20/2018 12:12	WG1100931
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/20/2018 12:12	WG1100931

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/20/2018 12:12	WG1100931
Tetrachloroethene	U		0.199	0.500	1	04/20/2018 12:12	WG1100931
Toluene	U		0.412	0.500	1	04/20/2018 12:12	WG1100931
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/20/2018 12:12	WG1100931
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/20/2018 12:12	WG1100931
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/20/2018 12:12	WG1100931
1,1,2-Trichloroethane	U		0.186	0.500	1	04/20/2018 12:12	WG1100931
Trichloroethene	U		0.153	0.500	1	04/20/2018 12:12	WG1100931
Trichlorofluoromethane	U		0.130	2.50	1	04/20/2018 12:12	WG1100931
1,2,3-Trichloropropane	U		0.247	2.50	1	04/20/2018 12:12	WG1100931
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/20/2018 12:12	WG1100931
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/20/2018 12:12	WG1100931
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/20/2018 12:12	WG1100931
Vinyl acetate	U		0.645	5.00	1	04/20/2018 12:12	WG1100931
Vinyl chloride	U		0.118	0.500	1	04/20/2018 12:12	WG1100931
Xylenes, Total	U		0.316	1.50	1	04/20/2018 12:12	WG1100931
(S) Toluene-d8	*90.5*			*80.0-120*		*04/20/2018 12:12*	WG1100931
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/20/2018 12:12*	WG1100931
(S) 4-Bromofluorobenzene	*120*			*80.0-120*		*04/20/2018 12:12*	WG1100931

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MEMORANDUM

TO: Project File **DATE:** May 9, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.05.304

TASK: April, 2018 – Soil Samples

LAB: ESC Sample Delivery Groups L985279 and L987121

Twenty-eight (28) soil samples including two (2) field duplicates, and two (2) trip blanks were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on April 9, 11, 16, and 17, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

Associated sample data are reported in nine ESC SDGs (L985279 and L987121). The quality assurance review of the sample data are summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested with the following discussion:

- SDG L987121: ESC Lab Sciences Non-Conformance Form notes indicate that sample MW-145-20 was received with one of four stir bars broken. PES confirmed that ESC should proceed with requested analyses. No action was taken other than to note this.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation less than 6°C. No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed within the USEPA recommended holding time of seven days for total solids.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- *SDG* L985279 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for multiple compounds associated with analytical batch WG1097806 (analyzed on April 13, 2018). These results for the associated sample (trip blank) are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Trip blank results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- *SDG* L987121 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for multiple compounds associated with analytical batch WG1100741 (analyzed on April 20 and 25, 2018). Associated results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L985279 Analytical batch WG1097806: Low levels of naphthalene and 1,2,3-trichlorobenzene were detected in the method blank. No action was necessary as this compound was not detected in the associated sample the trip blank.

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
Two trip blanks were collected and analyzed. The target analytes were not detected in the trip blank at or above the RDLs with the following exceptions:

- SDG L987121 - Analytical batch WG1100931: A low level of acetone is detected in the trip blank. **A low level of acetone was detected in associated samples MW-145-10, MW-145-40, and MW-903-40 qualified as not detected, and qualified (U) due to trip blank contamination.**

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate sample pairs are as follows:

- ESC SDG L985279: Samples MW-143-80 and MW-902-20
- ESC SDG L987121: Samples MW-145-80 and MW-903-40

Field duplicate pairs were submitted and analyzed for VOCs. VOC target analyte results are comparable and within a relative percent difference (RPD) of 30% (for results >5X the RDL) for both sets of field duplicates.

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client and non-client samples within the analytical batches. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5%.

Surrogate Recoveries

USEPA Method 8260C:

The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, trip blanks, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:

LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for waters with the following discussions and exceptions:

- SDG L985279 - Analytical Batch WG1097806: LCS recovery for isopropylbenzene and styrene were slightly above control limit criteria and laboratory qualified (J4). No action was taken since these compounds are not detected in the associated sample (trip blank).

- SDG L987121 - Analytical batch WG1100741: Multiple LCS/LCSD compounds are recovered within control limits but recovered wide with elevated RPDs and are laboratory qualified (J3). No action was taken since recoveries are wide but within criteria.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on a non-client sample. In cases where MS/MSDs were not performed refer to LCS/LCSDs for accuracy and precision data. MS/MSD % Rs and RPDs are acceptable with the following exceptions:

- SDG L987121 - Analytical batch WG1100741: Spike was performed on a non-client sample within the analytical batch. Compound 1,2-dichloropropane was recovered within control limits but recovered wide with an elevated RPD and laboratory qualified (J3). No action was taken on this basis since recoveries are within.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report.

Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

ANALYTICAL REPORT

May 01, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L987913
Samples Received:	04/21/2018
Project Number:	1413.001.05.601
Description:	

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

IW-11D-10 L987913-01 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 08:55 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1102892	1	04/25/18 15:28	04/25/18 16:14	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 08:55	04/23/18 13:53	BMB

IW-11D-15 L987913-02 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 08:57 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1102892	1	04/25/18 15:28	04/25/18 16:14	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 08:57	04/26/18 02:22	LRL

IW-11D-20 L987913-03 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 09:06 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1102892	1	04/25/18 15:28	04/25/18 16:14	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 09:06	04/23/18 14:35	BMB

IW-11D-25 L987913-04 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 09:16 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1102892	1	04/25/18 15:28	04/25/18 16:14	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 09:16	04/23/18 14:56	BMB

IW-11D-30 L987913-05 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 09:30 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1102892	1	04/25/18 15:28	04/25/18 16:14	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 09:30	04/23/18 15:17	BMB

IW-11D-35 L987913-06 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 09:35 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103331	1	04/26/18 14:26	04/26/18 14:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 09:35	04/23/18 15:39	BMB

IW-11D-40 L987913-07 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 09:45 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103331	1	04/26/18 14:26	04/26/18 14:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 09:45	04/23/18 16:00	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	50	04/19/18 09:45	04/26/18 02:44	LRL

IW-11D-45 L987913-08 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 09:55 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103331	1	04/26/18 14:26	04/26/18 14:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	25	04/19/18 09:55	04/26/18 03:05	LRL

IW-11D-50 L987913-09 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 10:05 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103331	1	04/26/18 14:26	04/26/18 14:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 10:05	04/23/18 16:42	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	50	04/19/18 10:05	04/26/18 03:26	LRL

IW-11D-55 L987913-10 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 10:20 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103331	1	04/26/18 14:26	04/26/18 14:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 10:20	04/23/18 17:04	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	50	04/19/18 10:20	04/26/18 03:47	LRL

IW-11D-60 L987913-11 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 10:30 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103331	1	04/26/18 14:26	04/26/18 14:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 10:30	04/23/18 17:25	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 10:30	04/26/18 04:09	LRL

IW-11D-65 L987913-12 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 10:45 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103331	1	04/26/18 14:26	04/26/18 14:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 10:45	04/23/18 17:46	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 10:45	04/26/18 04:30	LRL

IW-11D-70 L987913-13 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 11:00 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103331	1	04/26/18 14:26	04/26/18 14:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	1	04/19/18 11:00	04/23/18 18:07	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1101837	50	04/19/18 11:00	04/26/18 04:51	LRL

IW-11D-75 L987913-14 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/19/18 11:10 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/19/18 11:10	04/26/18 07:18	LRL

IW-11D-80 L987913-15 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/19/18 11:20	04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/19/18 11:20	04/26/18 07:40	LRL

IW-11D-85 L987913-16 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/19/18 11:40	04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/19/18 11:40	04/26/18 08:01	LRL

IW-11D-90 L987913-17 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/19/18 11:50	04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/19/18 11:50	04/26/18 08:23	ACG

IW-11D-95 L987913-18 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/19/18 12:00	04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/19/18 12:00	04/26/18 08:44	ACG

TRIP BLANK L987913-19 GW

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/19/18 00:00	04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102311	1	04/24/18 14:33	04/24/18 14:33	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.4		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0415	J J0	0.0138	0.0690	1	04/23/2018 13:53	WG1101837
Acrylonitrile	U		0.00247	0.0138	1	04/23/2018 13:53	WG1101837
Benzene	0.00456		0.000373	0.00138	1	04/23/2018 13:53	WG1101837
Bromobenzene	U		0.000392	0.00138	1	04/23/2018 13:53	WG1101837
Bromodichloromethane	U		0.000351	0.00138	1	04/23/2018 13:53	WG1101837
Bromochloromethane	U		0.000538	0.00690	1	04/23/2018 13:53	WG1101837
Bromoform	U		0.000585	0.00138	1	04/23/2018 13:53	WG1101837
Bromomethane	U	J0	0.00185	0.00690	1	04/23/2018 13:53	WG1101837
n-Butylbenzene	U		0.000356	0.00138	1	04/23/2018 13:53	WG1101837
sec-Butylbenzene	U		0.000277	0.00138	1	04/23/2018 13:53	WG1101837
tert-Butylbenzene	U		0.000284	0.00138	1	04/23/2018 13:53	WG1101837
Carbon disulfide	0.00291		0.000305	0.00138	1	04/23/2018 13:53	WG1101837
Carbon tetrachloride	U		0.000453	0.00138	1	04/23/2018 13:53	WG1101837
Chlorobenzene	U		0.000293	0.00138	1	04/23/2018 13:53	WG1101837
Chlorodibromomethane	U		0.000515	0.00138	1	04/23/2018 13:53	WG1101837
Chloroethane	U	J0	0.00131	0.00690	1	04/23/2018 13:53	WG1101837
Chloroform	U		0.000316	0.00690	1	04/23/2018 13:53	WG1101837
Chloromethane	U	J0	0.000518	0.00345	1	04/23/2018 13:53	WG1101837
2-Chlorotoluene	U		0.000416	0.00138	1	04/23/2018 13:53	WG1101837
4-Chlorotoluene	U		0.000331	0.00138	1	04/23/2018 13:53	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00145	0.00690	1	04/23/2018 13:53	WG1101837
1,2-Dibromoethane	U		0.000474	0.00138	1	04/23/2018 13:53	WG1101837
Dibromomethane	U		0.000527	0.00138	1	04/23/2018 13:53	WG1101837
1,2-Dichlorobenzene	U		0.000421	0.00138	1	04/23/2018 13:53	WG1101837
1,3-Dichlorobenzene	U		0.000330	0.00138	1	04/23/2018 13:53	WG1101837
1,4-Dichlorobenzene	U		0.000312	0.00138	1	04/23/2018 13:53	WG1101837
Dichlorodifluoromethane	U	J0	0.000984	0.00690	1	04/23/2018 13:53	WG1101837
1,1-Dichloroethane	U		0.000275	0.00138	1	04/23/2018 13:53	WG1101837
1,2-Dichloroethane	U		0.000366	0.00138	1	04/23/2018 13:53	WG1101837
1,1-Dichloroethene	U		0.000418	0.00138	1	04/23/2018 13:53	WG1101837
cis-1,2-Dichloroethene	0.000329	J	0.000324	0.00138	1	04/23/2018 13:53	WG1101837
trans-1,2-Dichloroethene	U		0.000364	0.00138	1	04/23/2018 13:53	WG1101837
1,2-Dichloropropane	U		0.000494	0.00138	1	04/23/2018 13:53	WG1101837
1,1-Dichloropropene	U		0.000438	0.00138	1	04/23/2018 13:53	WG1101837
1,3-Dichloropropane	U		0.000286	0.00138	1	04/23/2018 13:53	WG1101837
cis-1,3-Dichloropropene	U		0.000362	0.00138	1	04/23/2018 13:53	WG1101837
trans-1,3-Dichloropropene	U		0.000369	0.00138	1	04/23/2018 13:53	WG1101837
trans-1,4-Dichloro-2-butene	U		0.00107	0.00345	1	04/23/2018 13:53	WG1101837
2,2-Dichloropropane	U		0.000385	0.00138	1	04/23/2018 13:53	WG1101837
Di-isopropyl ether	U		0.000342	0.00138	1	04/23/2018 13:53	WG1101837
Ethylbenzene	0.000463	J	0.000410	0.00138	1	04/23/2018 13:53	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000472	0.00138	1	04/23/2018 13:53	WG1101837
2-Hexanone	U		0.00189	0.0138	1	04/23/2018 13:53	WG1101837
n-Hexane	0.000557	J	0.000400	0.0138	1	04/23/2018 13:53	WG1101837
Iodomethane	U		0.00349	0.0138	1	04/23/2018 13:53	WG1101837
Isopropylbenzene	U		0.000335	0.00138	1	04/23/2018 13:53	WG1101837
p-Isopropyltoluene	U		0.000282	0.00138	1	04/23/2018 13:53	WG1101837
2-Butanone (MEK)	0.0120	J	0.00646	0.0138	1	04/23/2018 13:53	WG1101837
Methylene Chloride	U		0.00138	0.00690	1	04/23/2018 13:53	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00260	0.0138	1	04/23/2018 13:53	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000293	0.00138	1	04/23/2018 13:53	WG1101837
Naphthalene	U		0.00138	0.00690	1	04/23/2018 13:53	WG1101837
n-Propylbenzene	U		0.000284	0.00138	1	04/23/2018 13:53	WG1101837
Styrene	U		0.000323	0.00138	1	04/23/2018 13:53	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000364	0.00138	1	04/23/2018 13:53	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000504	0.00138	1	04/23/2018 13:53	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000504	0.00138	1	04/23/2018 13:53	WG1101837
Tetrachloroethene	0.00183		0.000381	0.00138	1	04/23/2018 13:53	WG1101837
Toluene	0.00223	J	0.000599	0.00690	1	04/23/2018 13:53	WG1101837
1,2,3-Trichlorobenzene	U		0.000422	0.00138	1	04/23/2018 13:53	WG1101837
1,2,4-Trichlorobenzene	U		0.000536	0.00138	1	04/23/2018 13:53	WG1101837
1,1,1-Trichloroethane	U		0.000395	0.00138	1	04/23/2018 13:53	WG1101837
1,1,2-Trichloroethane	U		0.000382	0.00138	1	04/23/2018 13:53	WG1101837
Trichloroethene	U		0.000385	0.00138	1	04/23/2018 13:53	WG1101837
Trichlorofluoromethane	U		0.000527	0.00690	1	04/23/2018 13:53	WG1101837
1,2,3-Trichloropropane	U		0.00102	0.00345	1	04/23/2018 13:53	WG1101837
1,2,4-Trimethylbenzene	U		0.000291	0.00138	1	04/23/2018 13:53	WG1101837
1,2,3-Trimethylbenzene	U		0.000396	0.00138	1	04/23/2018 13:53	WG1101837
1,3,5-Trimethylbenzene	U		0.000367	0.00138	1	04/23/2018 13:53	WG1101837
Vinyl acetate	U		0.00330	0.0138	1	04/23/2018 13:53	WG1101837
Vinyl chloride	U		0.000402	0.00138	1	04/23/2018 13:53	WG1101837
Xylenes, Total	U		0.000964	0.00414	1	04/23/2018 13:53	WG1101837
(S) Toluene-d8	*104*			*80.0-120*		*04/23/2018 13:53*	WG1101837
(S) Dibromofluoromethane	*88.4*			*74.0-131*		*04/23/2018 13:53*	WG1101837
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*04/23/2018 13:53*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0116	0.0580	1	04/26/2018 02:22	WG1101837
Acrylonitrile	U		0.00207	0.0116	1	04/26/2018 02:22	WG1101837
Benzene	U		0.000313	0.00116	1	04/26/2018 02:22	WG1101837
Bromobenzene	U		0.000329	0.00116	1	04/26/2018 02:22	WG1101837
Bromodichloromethane	U		0.000294	0.00116	1	04/26/2018 02:22	WG1101837
Bromochloromethane	U		0.000452	0.00580	1	04/26/2018 02:22	WG1101837
Bromoform	U		0.000491	0.00116	1	04/26/2018 02:22	WG1101837
Bromomethane	U	J0	0.00155	0.00580	1	04/26/2018 02:22	WG1101837
n-Butylbenzene	U		0.000299	0.00116	1	04/26/2018 02:22	WG1101837
sec-Butylbenzene	U		0.000233	0.00116	1	04/26/2018 02:22	WG1101837
tert-Butylbenzene	U		0.000239	0.00116	1	04/26/2018 02:22	WG1101837
Carbon disulfide	0.000575	J	0.000256	0.00116	1	04/26/2018 02:22	WG1101837
Carbon tetrachloride	U		0.000380	0.00116	1	04/26/2018 02:22	WG1101837
Chlorobenzene	U		0.000246	0.00116	1	04/26/2018 02:22	WG1101837
Chlorodibromomethane	U		0.000432	0.00116	1	04/26/2018 02:22	WG1101837
Chloroethane	U	J0	0.00110	0.00580	1	04/26/2018 02:22	WG1101837
Chloroform	U		0.000265	0.00580	1	04/26/2018 02:22	WG1101837
Chloromethane	U		0.000435	0.00290	1	04/26/2018 02:22	WG1101837
2-Chlorotoluene	U		0.000349	0.00116	1	04/26/2018 02:22	WG1101837
4-Chlorotoluene	U		0.000278	0.00116	1	04/26/2018 02:22	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	04/26/2018 02:22	WG1101837
1,2-Dibromoethane	U		0.000398	0.00116	1	04/26/2018 02:22	WG1101837
Dibromomethane	U		0.000443	0.00116	1	04/26/2018 02:22	WG1101837
1,2-Dichlorobenzene	U		0.000354	0.00116	1	04/26/2018 02:22	WG1101837
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/26/2018 02:22	WG1101837
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/26/2018 02:22	WG1101837
Dichlorodifluoromethane	U		0.000826	0.00580	1	04/26/2018 02:22	WG1101837
1,1-Dichloroethane	U		0.000231	0.00116	1	04/26/2018 02:22	WG1101837
1,2-Dichloroethane	U		0.000307	0.00116	1	04/26/2018 02:22	WG1101837
1,1-Dichloroethene	U		0.000351	0.00116	1	04/26/2018 02:22	WG1101837
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	04/26/2018 02:22	WG1101837
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	04/26/2018 02:22	WG1101837
1,2-Dichloropropane	U		0.000415	0.00116	1	04/26/2018 02:22	WG1101837
1,1-Dichloropropene	U		0.000367	0.00116	1	04/26/2018 02:22	WG1101837
1,3-Dichloropropane	U		0.000240	0.00116	1	04/26/2018 02:22	WG1101837
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/26/2018 02:22	WG1101837
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/26/2018 02:22	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000902	0.00290	1	04/26/2018 02:22	WG1101837
2,2-Dichloropropane	U		0.000323	0.00116	1	04/26/2018 02:22	WG1101837
Di-isopropyl ether	U		0.000287	0.00116	1	04/26/2018 02:22	WG1101837
Ethylbenzene	U		0.000344	0.00116	1	04/26/2018 02:22	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000396	0.00116	1	04/26/2018 02:22	WG1101837
2-Hexanone	U		0.00159	0.0116	1	04/26/2018 02:22	WG1101837
n-Hexane	U		0.000336	0.0116	1	04/26/2018 02:22	WG1101837
Iodomethane	U		0.00293	0.0116	1	04/26/2018 02:22	WG1101837
Isopropylbenzene	U		0.000282	0.00116	1	04/26/2018 02:22	WG1101837
p-Isopropyltoluene	U		0.000236	0.00116	1	04/26/2018 02:22	WG1101837
2-Butanone (MEK)	U		0.00542	0.0116	1	04/26/2018 02:22	WG1101837
Methylene Chloride	U		0.00116	0.00580	1	04/26/2018 02:22	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/26/2018 02:22	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/26/2018 02:22	WG1101837
Naphthalene	U		0.00116	0.00580	1	04/26/2018 02:22	WG1101837
n-Propylbenzene	U		0.000239	0.00116	1	04/26/2018 02:22	WG1101837
Styrene	U		0.000271	0.00116	1	04/26/2018 02:22	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/26/2018 02:22	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/26/2018 02:22	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/26/2018 02:22	WG1101837
Tetrachloroethene	U		0.000320	0.00116	1	04/26/2018 02:22	WG1101837
Toluene	U		0.000503	0.00580	1	04/26/2018 02:22	WG1101837
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/26/2018 02:22	WG1101837
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/26/2018 02:22	WG1101837
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/26/2018 02:22	WG1101837
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/26/2018 02:22	WG1101837
Trichloroethene	U		0.000323	0.00116	1	04/26/2018 02:22	WG1101837
Trichlorofluoromethane	U		0.000443	0.00580	1	04/26/2018 02:22	WG1101837
1,2,3-Trichloropropane	U		0.000859	0.00290	1	04/26/2018 02:22	WG1101837
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/26/2018 02:22	WG1101837
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/26/2018 02:22	WG1101837
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/26/2018 02:22	WG1101837
Vinyl acetate	U		0.00277	0.0116	1	04/26/2018 02:22	WG1101837
Vinyl chloride	U		0.000337	0.00116	1	04/26/2018 02:22	WG1101837
Xylenes, Total	U		0.000809	0.00348	1	04/26/2018 02:22	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 02:22*	WG1101837
(S) Dibromofluoromethane	*92.1*			*74.0-131*		*04/26/2018 02:22*	WG1101837
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/26/2018 02:22*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0116	0.0578	1	04/23/2018 14:35	WG1101837
Acrylonitrile	U		0.00207	0.0116	1	04/23/2018 14:35	WG1101837
Benzene	U		0.000312	0.00116	1	04/23/2018 14:35	WG1101837
Bromobenzene	U		0.000328	0.00116	1	04/23/2018 14:35	WG1101837
Bromodichloromethane	U		0.000294	0.00116	1	04/23/2018 14:35	WG1101837
Bromochloromethane	U		0.000451	0.00578	1	04/23/2018 14:35	WG1101837
Bromoform	U		0.000490	0.00116	1	04/23/2018 14:35	WG1101837
Bromomethane	U	J0	0.00155	0.00578	1	04/23/2018 14:35	WG1101837
n-Butylbenzene	U		0.000298	0.00116	1	04/23/2018 14:35	WG1101837
sec-Butylbenzene	U		0.000232	0.00116	1	04/23/2018 14:35	WG1101837
tert-Butylbenzene	U		0.000238	0.00116	1	04/23/2018 14:35	WG1101837
Carbon disulfide	U		0.000256	0.00116	1	04/23/2018 14:35	WG1101837
Carbon tetrachloride	U		0.000379	0.00116	1	04/23/2018 14:35	WG1101837
Chlorobenzene	U		0.000245	0.00116	1	04/23/2018 14:35	WG1101837
Chlorodibromomethane	U		0.000431	0.00116	1	04/23/2018 14:35	WG1101837
Chloroethane	U	J0	0.00109	0.00578	1	04/23/2018 14:35	WG1101837
Chloroform	U		0.000265	0.00578	1	04/23/2018 14:35	WG1101837
Chloromethane	U	J0	0.000434	0.00289	1	04/23/2018 14:35	WG1101837
2-Chlorotoluene	U		0.000348	0.00116	1	04/23/2018 14:35	WG1101837
4-Chlorotoluene	U		0.000278	0.00116	1	04/23/2018 14:35	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	04/23/2018 14:35	WG1101837
1,2-Dibromoethane	U		0.000397	0.00116	1	04/23/2018 14:35	WG1101837
Dibromomethane	U		0.000442	0.00116	1	04/23/2018 14:35	WG1101837
1,2-Dichlorobenzene	U		0.000353	0.00116	1	04/23/2018 14:35	WG1101837
1,3-Dichlorobenzene	U		0.000276	0.00116	1	04/23/2018 14:35	WG1101837
1,4-Dichlorobenzene	U		0.000261	0.00116	1	04/23/2018 14:35	WG1101837
Dichlorodifluoromethane	U	J0	0.000825	0.00578	1	04/23/2018 14:35	WG1101837
1,1-Dichloroethane	U		0.000230	0.00116	1	04/23/2018 14:35	WG1101837
1,2-Dichloroethane	U		0.000307	0.00116	1	04/23/2018 14:35	WG1101837
1,1-Dichloroethene	U		0.000350	0.00116	1	04/23/2018 14:35	WG1101837
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	04/23/2018 14:35	WG1101837
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	04/23/2018 14:35	WG1101837
1,2-Dichloropropane	U		0.000414	0.00116	1	04/23/2018 14:35	WG1101837
1,1-Dichloropropene	U		0.000367	0.00116	1	04/23/2018 14:35	WG1101837
1,3-Dichloropropane	U		0.000239	0.00116	1	04/23/2018 14:35	WG1101837
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	04/23/2018 14:35	WG1101837
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/23/2018 14:35	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000900	0.00289	1	04/23/2018 14:35	WG1101837
2,2-Dichloropropane	U		0.000323	0.00116	1	04/23/2018 14:35	WG1101837
Di-isopropyl ether	U		0.000287	0.00116	1	04/23/2018 14:35	WG1101837
Ethylbenzene	U		0.000344	0.00116	1	04/23/2018 14:35	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000396	0.00116	1	04/23/2018 14:35	WG1101837
2-Hexanone	U		0.00158	0.0116	1	04/23/2018 14:35	WG1101837
n-Hexane	U		0.000335	0.0116	1	04/23/2018 14:35	WG1101837
Iodomethane	U		0.00293	0.0116	1	04/23/2018 14:35	WG1101837
Isopropylbenzene	U		0.000281	0.00116	1	04/23/2018 14:35	WG1101837
p-Isopropyltoluene	U		0.000236	0.00116	1	04/23/2018 14:35	WG1101837
2-Butanone (MEK)	U		0.00541	0.0116	1	04/23/2018 14:35	WG1101837
Methylene Chloride	U		0.00116	0.00578	1	04/23/2018 14:35	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	04/23/2018 14:35	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/23/2018 14:35	WG1101837
Naphthalene	U		0.00116	0.00578	1	04/23/2018 14:35	WG1101837
n-Propylbenzene	U		0.000238	0.00116	1	04/23/2018 14:35	WG1101837
Styrene	U		0.000271	0.00116	1	04/23/2018 14:35	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/23/2018 14:35	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/23/2018 14:35	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/23/2018 14:35	WG1101837
Tetrachloroethene	U		0.000319	0.00116	1	04/23/2018 14:35	WG1101837
Toluene	U		0.000502	0.00578	1	04/23/2018 14:35	WG1101837
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/23/2018 14:35	WG1101837
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/23/2018 14:35	WG1101837
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/23/2018 14:35	WG1101837
1,1,2-Trichloroethane	U		0.000320	0.00116	1	04/23/2018 14:35	WG1101837
Trichloroethene	U		0.000323	0.00116	1	04/23/2018 14:35	WG1101837
Trichlorofluoromethane	U		0.000442	0.00578	1	04/23/2018 14:35	WG1101837
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/23/2018 14:35	WG1101837
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/23/2018 14:35	WG1101837
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/23/2018 14:35	WG1101837
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/23/2018 14:35	WG1101837
Vinyl acetate	U		0.00276	0.0116	1	04/23/2018 14:35	WG1101837
Vinyl chloride	U		0.000337	0.00116	1	04/23/2018 14:35	WG1101837
Xylenes, Total	U		0.000807	0.00347	1	04/23/2018 14:35	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/23/2018 14:35*	WG1101837
(S) Dibromofluoromethane	*93.3*			*74.0-131*		*04/23/2018 14:35*	WG1101837
(S) 4-Bromofluorobenzene	*95.8*			*64.0-132*		*04/23/2018 14:35*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0109	0.0546	1	04/23/2018 14:56	WG1101837
Acrylonitrile	U		0.00196	0.0109	1	04/23/2018 14:56	WG1101837
Benzene	U		0.000295	0.00109	1	04/23/2018 14:56	WG1101837
Bromobenzene	U		0.000310	0.00109	1	04/23/2018 14:56	WG1101837
Bromodichloromethane	U		0.000278	0.00109	1	04/23/2018 14:56	WG1101837
Bromochloromethane	U		0.000426	0.00546	1	04/23/2018 14:56	WG1101837
Bromoform	U		0.000463	0.00109	1	04/23/2018 14:56	WG1101837
Bromomethane	U	J0	0.00146	0.00546	1	04/23/2018 14:56	WG1101837
n-Butylbenzene	U		0.000282	0.00109	1	04/23/2018 14:56	WG1101837
sec-Butylbenzene	U		0.000220	0.00109	1	04/23/2018 14:56	WG1101837
tert-Butylbenzene	U		0.000225	0.00109	1	04/23/2018 14:56	WG1101837
Carbon disulfide	0.000439	J	0.000241	0.00109	1	04/23/2018 14:56	WG1101837
Carbon tetrachloride	U		0.000358	0.00109	1	04/23/2018 14:56	WG1101837
Chlorobenzene	U		0.000232	0.00109	1	04/23/2018 14:56	WG1101837
Chlorodibromomethane	U		0.000408	0.00109	1	04/23/2018 14:56	WG1101837
Chloroethane	U	J0	0.00103	0.00546	1	04/23/2018 14:56	WG1101837
Chloroform	U		0.000250	0.00546	1	04/23/2018 14:56	WG1101837
Chloromethane	U	J0	0.000410	0.00273	1	04/23/2018 14:56	WG1101837
2-Chlorotoluene	U		0.000329	0.00109	1	04/23/2018 14:56	WG1101837
4-Chlorotoluene	U		0.000262	0.00109	1	04/23/2018 14:56	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	04/23/2018 14:56	WG1101837
1,2-Dibromoethane	U		0.000375	0.00109	1	04/23/2018 14:56	WG1101837
Dibromomethane	U		0.000417	0.00109	1	04/23/2018 14:56	WG1101837
1,2-Dichlorobenzene	U		0.000333	0.00109	1	04/23/2018 14:56	WG1101837
1,3-Dichlorobenzene	U		0.000261	0.00109	1	04/23/2018 14:56	WG1101837
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/23/2018 14:56	WG1101837
Dichlorodifluoromethane	U	J0	0.000779	0.00546	1	04/23/2018 14:56	WG1101837
1,1-Dichloroethane	U		0.000217	0.00109	1	04/23/2018 14:56	WG1101837
1,2-Dichloroethane	U		0.000290	0.00109	1	04/23/2018 14:56	WG1101837
1,1-Dichloroethene	U		0.000331	0.00109	1	04/23/2018 14:56	WG1101837
cis-1,2-Dichloroethene	0.0174		0.000257	0.00109	1	04/23/2018 14:56	WG1101837
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	04/23/2018 14:56	WG1101837
1,2-Dichloropropane	U		0.000391	0.00109	1	04/23/2018 14:56	WG1101837
1,1-Dichloropropene	U		0.000346	0.00109	1	04/23/2018 14:56	WG1101837
1,3-Dichloropropane	U		0.000226	0.00109	1	04/23/2018 14:56	WG1101837
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	04/23/2018 14:56	WG1101837
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/23/2018 14:56	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	04/23/2018 14:56	WG1101837
2,2-Dichloropropane	U		0.000305	0.00109	1	04/23/2018 14:56	WG1101837
Di-isopropyl ether	U		0.000271	0.00109	1	04/23/2018 14:56	WG1101837
Ethylbenzene	U		0.000325	0.00109	1	04/23/2018 14:56	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000374	0.00109	1	04/23/2018 14:56	WG1101837
2-Hexanone	U		0.00150	0.0109	1	04/23/2018 14:56	WG1101837
n-Hexane	U		0.000317	0.0109	1	04/23/2018 14:56	WG1101837
Iodomethane	U		0.00276	0.0109	1	04/23/2018 14:56	WG1101837
Isopropylbenzene	U		0.000266	0.00109	1	04/23/2018 14:56	WG1101837
p-Isopropyltoluene	U		0.000223	0.00109	1	04/23/2018 14:56	WG1101837
2-Butanone (MEK)	U		0.00511	0.0109	1	04/23/2018 14:56	WG1101837
Methylene Chloride	U		0.00109	0.00546	1	04/23/2018 14:56	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/23/2018 14:56	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/23/2018 14:56	WG1101837
Naphthalene	U		0.00109	0.00546	1	04/23/2018 14:56	WG1101837
n-Propylbenzene	U		0.000225	0.00109	1	04/23/2018 14:56	WG1101837
Styrene	U		0.000256	0.00109	1	04/23/2018 14:56	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	04/23/2018 14:56	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/23/2018 14:56	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/23/2018 14:56	WG1101837
Tetrachloroethene	0.00342		0.000302	0.00109	1	04/23/2018 14:56	WG1101837
Toluene	U		0.000474	0.00546	1	04/23/2018 14:56	WG1101837
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	04/23/2018 14:56	WG1101837
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	04/23/2018 14:56	WG1101837
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/23/2018 14:56	WG1101837
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/23/2018 14:56	WG1101837
Trichloroethene	0.00368		0.000305	0.00109	1	04/23/2018 14:56	WG1101837
Trichlorofluoromethane	U		0.000417	0.00546	1	04/23/2018 14:56	WG1101837
1,2,3-Trichloropropane	U		0.000810	0.00273	1	04/23/2018 14:56	WG1101837
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/23/2018 14:56	WG1101837
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/23/2018 14:56	WG1101837
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/23/2018 14:56	WG1101837
Vinyl acetate	U		0.00261	0.0109	1	04/23/2018 14:56	WG1101837
Vinyl chloride	0.00161		0.000318	0.00109	1	04/23/2018 14:56	WG1101837
Xylenes, Total	U		0.000763	0.00328	1	04/23/2018 14:56	WG1101837
(S) Toluene-d8	*106*			*80.0-120*		*04/23/2018 14:56*	WG1101837
(S) Dibromofluoromethane	*91.4*			*74.0-131*		*04/23/2018 14:56*	WG1101837
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*04/23/2018 14:56*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0109	0.0547	1	04/23/2018 15:17	WG1101837
Acrylonitrile	U		0.00196	0.0109	1	04/23/2018 15:17	WG1101837
Benzene	U		0.000295	0.00109	1	04/23/2018 15:17	WG1101837
Bromobenzene	U		0.000311	0.00109	1	04/23/2018 15:17	WG1101837
Bromodichloromethane	U		0.000278	0.00109	1	04/23/2018 15:17	WG1101837
Bromochloromethane	U		0.000427	0.00547	1	04/23/2018 15:17	WG1101837
Bromoform	U		0.000464	0.00109	1	04/23/2018 15:17	WG1101837
Bromomethane	U	J0	0.00147	0.00547	1	04/23/2018 15:17	WG1101837
n-Butylbenzene	U		0.000282	0.00109	1	04/23/2018 15:17	WG1101837
sec-Butylbenzene	U		0.000220	0.00109	1	04/23/2018 15:17	WG1101837
tert-Butylbenzene	U		0.000225	0.00109	1	04/23/2018 15:17	WG1101837
Carbon disulfide	0.00161		0.000242	0.00109	1	04/23/2018 15:17	WG1101837
Carbon tetrachloride	U		0.000359	0.00109	1	04/23/2018 15:17	WG1101837
Chlorobenzene	U		0.000232	0.00109	1	04/23/2018 15:17	WG1101837
Chlorodibromomethane	U		0.000408	0.00109	1	04/23/2018 15:17	WG1101837
Chloroethane	U	J0	0.00103	0.00547	1	04/23/2018 15:17	WG1101837
Chloroform	U		0.000250	0.00547	1	04/23/2018 15:17	WG1101837
Chloromethane	U	J0	0.000410	0.00273	1	04/23/2018 15:17	WG1101837
2-Chlorotoluene	U		0.000329	0.00109	1	04/23/2018 15:17	WG1101837
4-Chlorotoluene	U		0.000262	0.00109	1	04/23/2018 15:17	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	04/23/2018 15:17	WG1101837
1,2-Dibromoethane	U		0.000375	0.00109	1	04/23/2018 15:17	WG1101837
Dibromomethane	U		0.000418	0.00109	1	04/23/2018 15:17	WG1101837
1,2-Dichlorobenzene	U		0.000334	0.00109	1	04/23/2018 15:17	WG1101837
1,3-Dichlorobenzene	U		0.000261	0.00109	1	04/23/2018 15:17	WG1101837
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/23/2018 15:17	WG1101837
Dichlorodifluoromethane	U	J0	0.000780	0.00547	1	04/23/2018 15:17	WG1101837
1,1-Dichloroethane	U		0.000218	0.00109	1	04/23/2018 15:17	WG1101837
1,2-Dichloroethane	U		0.000290	0.00109	1	04/23/2018 15:17	WG1101837
1,1-Dichloroethene	U		0.000331	0.00109	1	04/23/2018 15:17	WG1101837
cis-1,2-Dichloroethene	0.00931		0.000257	0.00109	1	04/23/2018 15:17	WG1101837
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	04/23/2018 15:17	WG1101837
1,2-Dichloropropane	U		0.000392	0.00109	1	04/23/2018 15:17	WG1101837
1,1-Dichloropropene	U		0.000347	0.00109	1	04/23/2018 15:17	WG1101837
1,3-Dichloropropane	U		0.000226	0.00109	1	04/23/2018 15:17	WG1101837
cis-1,3-Dichloropropene	U		0.000287	0.00109	1	04/23/2018 15:17	WG1101837
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/23/2018 15:17	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	04/23/2018 15:17	WG1101837
2,2-Dichloropropane	U		0.000305	0.00109	1	04/23/2018 15:17	WG1101837
Di-isopropyl ether	U		0.000271	0.00109	1	04/23/2018 15:17	WG1101837
Ethylbenzene	U		0.000325	0.00109	1	04/23/2018 15:17	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000374	0.00109	1	04/23/2018 15:17	WG1101837
2-Hexanone	U		0.00150	0.0109	1	04/23/2018 15:17	WG1101837
n-Hexane	0.00282	J	0.000317	0.0109	1	04/23/2018 15:17	WG1101837
Iodomethane	U		0.00277	0.0109	1	04/23/2018 15:17	WG1101837
Isopropylbenzene	U		0.000266	0.00109	1	04/23/2018 15:17	WG1101837
p-Isopropyltoluene	U		0.000223	0.00109	1	04/23/2018 15:17	WG1101837
2-Butanone (MEK)	U		0.00512	0.0109	1	04/23/2018 15:17	WG1101837
Methylene Chloride	U		0.00109	0.00547	1	04/23/2018 15:17	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	04/23/2018 15:17	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/23/2018 15:17	WG1101837
Naphthalene	U		0.00109	0.00547	1	04/23/2018 15:17	WG1101837
n-Propylbenzene	U		0.000225	0.00109	1	04/23/2018 15:17	WG1101837
Styrene	U		0.000256	0.00109	1	04/23/2018 15:17	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	04/23/2018 15:17	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/23/2018 15:17	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/23/2018 15:17	WG1101837
Tetrachloroethene	0.0362		0.000302	0.00109	1	04/23/2018 15:17	WG1101837
Toluene	U		0.000475	0.00547	1	04/23/2018 15:17	WG1101837
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	04/23/2018 15:17	WG1101837
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	04/23/2018 15:17	WG1101837
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/23/2018 15:17	WG1101837
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/23/2018 15:17	WG1101837
Trichloroethene	0.00990		0.000305	0.00109	1	04/23/2018 15:17	WG1101837
Trichlorofluoromethane	U		0.000418	0.00547	1	04/23/2018 15:17	WG1101837
1,2,3-Trichloropropane	U		0.000810	0.00273	1	04/23/2018 15:17	WG1101837
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/23/2018 15:17	WG1101837
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/23/2018 15:17	WG1101837
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/23/2018 15:17	WG1101837
Vinyl acetate	U		0.00261	0.0109	1	04/23/2018 15:17	WG1101837
Vinyl chloride	0.00215		0.000318	0.00109	1	04/23/2018 15:17	WG1101837
Xylenes, Total	U		0.000763	0.00328	1	04/23/2018 15:17	WG1101837
(S) Toluene-d8	*105*			*80.0-120*		*04/23/2018 15:17*	WG1101837
(S) Dibromofluoromethane	*91.5*			*74.0-131*		*04/23/2018 15:17*	WG1101837
(S) 4-Bromofluorobenzene	*91.5*			*64.0-132*		*04/23/2018 15:17*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0115	0.0573	1	04/23/2018 15:39	WG1101837
Acrylonitrile	U		0.00205	0.0115	1	04/23/2018 15:39	WG1101837
Benzene	U		0.000309	0.00115	1	04/23/2018 15:39	WG1101837
Bromobenzene	U		0.000325	0.00115	1	04/23/2018 15:39	WG1101837
Bromodichloromethane	U		0.000291	0.00115	1	04/23/2018 15:39	WG1101837
Bromochloromethane	U		0.000447	0.00573	1	04/23/2018 15:39	WG1101837
Bromoform	U		0.000486	0.00115	1	04/23/2018 15:39	WG1101837
Bromomethane	U	J0	0.00154	0.00573	1	04/23/2018 15:39	WG1101837
n-Butylbenzene	U		0.000296	0.00115	1	04/23/2018 15:39	WG1101837
sec-Butylbenzene	U		0.000230	0.00115	1	04/23/2018 15:39	WG1101837
tert-Butylbenzene	U		0.000236	0.00115	1	04/23/2018 15:39	WG1101837
Carbon disulfide	0.000708	J	0.000253	0.00115	1	04/23/2018 15:39	WG1101837
Carbon tetrachloride	U		0.000376	0.00115	1	04/23/2018 15:39	WG1101837
Chlorobenzene	U		0.000243	0.00115	1	04/23/2018 15:39	WG1101837
Chlorodibromomethane	U		0.000427	0.00115	1	04/23/2018 15:39	WG1101837
Chloroethane	U	J0	0.00108	0.00573	1	04/23/2018 15:39	WG1101837
Chloroform	U		0.000262	0.00573	1	04/23/2018 15:39	WG1101837
Chloromethane	U	J0	0.000430	0.00286	1	04/23/2018 15:39	WG1101837
2-Chlorotoluene	U		0.000345	0.00115	1	04/23/2018 15:39	WG1101837
4-Chlorotoluene	U		0.000275	0.00115	1	04/23/2018 15:39	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	04/23/2018 15:39	WG1101837
1,2-Dibromoethane	U		0.000393	0.00115	1	04/23/2018 15:39	WG1101837
Dibromomethane	U		0.000438	0.00115	1	04/23/2018 15:39	WG1101837
1,2-Dichlorobenzene	U		0.000349	0.00115	1	04/23/2018 15:39	WG1101837
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/23/2018 15:39	WG1101837
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/23/2018 15:39	WG1101837
Dichlorodifluoromethane	U	J0	0.000817	0.00573	1	04/23/2018 15:39	WG1101837
1,1-Dichloroethane	U		0.000228	0.00115	1	04/23/2018 15:39	WG1101837
1,2-Dichloroethane	U		0.000304	0.00115	1	04/23/2018 15:39	WG1101837
1,1-Dichloroethene	0.000721	J	0.000347	0.00115	1	04/23/2018 15:39	WG1101837
cis-1,2-Dichloroethene	0.101		0.000269	0.00115	1	04/23/2018 15:39	WG1101837
trans-1,2-Dichloroethene	0.00208		0.000302	0.00115	1	04/23/2018 15:39	WG1101837
1,2-Dichloropropane	U		0.000410	0.00115	1	04/23/2018 15:39	WG1101837
1,1-Dichloropropene	U		0.000363	0.00115	1	04/23/2018 15:39	WG1101837
1,3-Dichloropropane	U		0.000237	0.00115	1	04/23/2018 15:39	WG1101837
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	04/23/2018 15:39	WG1101837
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/23/2018 15:39	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	04/23/2018 15:39	WG1101837
2,2-Dichloropropane	U		0.000320	0.00115	1	04/23/2018 15:39	WG1101837
Di-isopropyl ether	U		0.000284	0.00115	1	04/23/2018 15:39	WG1101837
Ethylbenzene	U		0.000340	0.00115	1	04/23/2018 15:39	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000392	0.00115	1	04/23/2018 15:39	WG1101837
2-Hexanone	U		0.00157	0.0115	1	04/23/2018 15:39	WG1101837
n-Hexane	U		0.000332	0.0115	1	04/23/2018 15:39	WG1101837
Iodomethane	U		0.00290	0.0115	1	04/23/2018 15:39	WG1101837
Isopropylbenzene	U		0.000278	0.00115	1	04/23/2018 15:39	WG1101837
p-Isopropyltoluene	U		0.000234	0.00115	1	04/23/2018 15:39	WG1101837
2-Butanone (MEK)	U		0.00536	0.0115	1	04/23/2018 15:39	WG1101837
Methylene Chloride	U		0.00115	0.00573	1	04/23/2018 15:39	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	04/23/2018 15:39	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/23/2018 15:39	WG1101837
Naphthalene	U		0.00115	0.00573	1	04/23/2018 15:39	WG1101837
n-Propylbenzene	U		0.000236	0.00115	1	04/23/2018 15:39	WG1101837
Styrene	U		0.000268	0.00115	1	04/23/2018 15:39	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	04/23/2018 15:39	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	04/23/2018 15:39	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	04/23/2018 15:39	WG1101837
Tetrachloroethene	0.0167		0.000316	0.00115	1	04/23/2018 15:39	WG1101837
Toluene	U		0.000497	0.00573	1	04/23/2018 15:39	WG1101837
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/23/2018 15:39	WG1101837
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	04/23/2018 15:39	WG1101837
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/23/2018 15:39	WG1101837
1,1,2-Trichloroethane	U		0.000317	0.00115	1	04/23/2018 15:39	WG1101837
Trichloroethene	0.0176		0.000320	0.00115	1	04/23/2018 15:39	WG1101837
Trichlorofluoromethane	U		0.000438	0.00573	1	04/23/2018 15:39	WG1101837
1,2,3-Trichloropropane	U		0.000849	0.00286	1	04/23/2018 15:39	WG1101837
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/23/2018 15:39	WG1101837
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/23/2018 15:39	WG1101837
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/23/2018 15:39	WG1101837
Vinyl acetate	U		0.00274	0.0115	1	04/23/2018 15:39	WG1101837
Vinyl chloride	0.0389		0.000333	0.00115	1	04/23/2018 15:39	WG1101837
Xylenes, Total	U		0.000800	0.00344	1	04/23/2018 15:39	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/23/2018 15:39*	WG1101837
(S) Dibromofluoromethane	*93.8*			*74.0-131*		*04/23/2018 15:39*	WG1101837
(S) 4-Bromofluorobenzene	*93.1*			*64.0-132*		*04/23/2018 15:39*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0111	0.0553	1	04/23/2018 16:00	WG1101837
Acrylonitrile	U		0.00198	0.0111	1	04/23/2018 16:00	WG1101837
Benzene	U		0.000298	0.00111	1	04/23/2018 16:00	WG1101837
Bromobenzene	U		0.000314	0.00111	1	04/23/2018 16:00	WG1101837
Bromodichloromethane	U		0.000281	0.00111	1	04/23/2018 16:00	WG1101837
Bromochloromethane	U		0.000431	0.00553	1	04/23/2018 16:00	WG1101837
Bromoform	U		0.000469	0.00111	1	04/23/2018 16:00	WG1101837
Bromomethane	U	J0	0.00148	0.00553	1	04/23/2018 16:00	WG1101837
n-Butylbenzene	U		0.000285	0.00111	1	04/23/2018 16:00	WG1101837
sec-Butylbenzene	U		0.000222	0.00111	1	04/23/2018 16:00	WG1101837
tert-Butylbenzene	U		0.000228	0.00111	1	04/23/2018 16:00	WG1101837
Carbon disulfide	0.000757	J	0.000244	0.00111	1	04/23/2018 16:00	WG1101837
Carbon tetrachloride	U		0.000362	0.00111	1	04/23/2018 16:00	WG1101837
Chlorobenzene	U		0.000234	0.00111	1	04/23/2018 16:00	WG1101837
Chlorodibromomethane	U		0.000412	0.00111	1	04/23/2018 16:00	WG1101837
Chloroethane	U	J0	0.00105	0.00553	1	04/23/2018 16:00	WG1101837
Chloroform	U		0.000253	0.00553	1	04/23/2018 16:00	WG1101837
Chloromethane	U	J0	0.000414	0.00276	1	04/23/2018 16:00	WG1101837
2-Chlorotoluene	U		0.000333	0.00111	1	04/23/2018 16:00	WG1101837
4-Chlorotoluene	U		0.000265	0.00111	1	04/23/2018 16:00	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00553	1	04/23/2018 16:00	WG1101837
1,2-Dibromoethane	U		0.000379	0.00111	1	04/23/2018 16:00	WG1101837
Dibromomethane	U		0.000422	0.00111	1	04/23/2018 16:00	WG1101837
1,2-Dichlorobenzene	U		0.000337	0.00111	1	04/23/2018 16:00	WG1101837
1,3-Dichlorobenzene	U		0.000264	0.00111	1	04/23/2018 16:00	WG1101837
1,4-Dichlorobenzene	U		0.000250	0.00111	1	04/23/2018 16:00	WG1101837
Dichlorodifluoromethane	U	J0	0.000788	0.00553	1	04/23/2018 16:00	WG1101837
1,1-Dichloroethane	U		0.000220	0.00111	1	04/23/2018 16:00	WG1101837
1,2-Dichloroethane	U		0.000293	0.00111	1	04/23/2018 16:00	WG1101837
1,1-Dichloroethene	0.00224		0.000335	0.00111	1	04/23/2018 16:00	WG1101837
cis-1,2-Dichloroethene	1.25		0.0130	0.0553	50	04/26/2018 02:44	WG1101837
trans-1,2-Dichloroethene	0.00785		0.000292	0.00111	1	04/23/2018 16:00	WG1101837
1,2-Dichloropropane	U		0.000396	0.00111	1	04/23/2018 16:00	WG1101837
1,1-Dichloropropene	U		0.000350	0.00111	1	04/23/2018 16:00	WG1101837
1,3-Dichloropropane	U		0.000229	0.00111	1	04/23/2018 16:00	WG1101837
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	04/23/2018 16:00	WG1101837
trans-1,3-Dichloropropene	U		0.000295	0.00111	1	04/23/2018 16:00	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000860	0.00276	1	04/23/2018 16:00	WG1101837
2,2-Dichloropropane	U		0.000308	0.00111	1	04/23/2018 16:00	WG1101837
Di-isopropyl ether	U		0.000274	0.00111	1	04/23/2018 16:00	WG1101837
Ethylbenzene	U		0.000328	0.00111	1	04/23/2018 16:00	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000378	0.00111	1	04/23/2018 16:00	WG1101837
2-Hexanone	U		0.00151	0.0111	1	04/23/2018 16:00	WG1101837
n-Hexane	U		0.000320	0.0111	1	04/23/2018 16:00	WG1101837
Iodomethane	U		0.00280	0.0111	1	04/23/2018 16:00	WG1101837
Isopropylbenzene	U		0.000269	0.00111	1	04/23/2018 16:00	WG1101837
p-Isopropyltoluene	U		0.000225	0.00111	1	04/23/2018 16:00	WG1101837
2-Butanone (MEK)	U		0.00517	0.0111	1	04/23/2018 16:00	WG1101837
Methylene Chloride	U		0.00111	0.00553	1	04/23/2018 16:00	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	04/23/2018 16:00	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00111	1	04/23/2018 16:00	WG1101837
Naphthalene	U		0.00111	0.00553	1	04/23/2018 16:00	WG1101837
n-Propylbenzene	U		0.000228	0.00111	1	04/23/2018 16:00	WG1101837
Styrene	U		0.000259	0.00111	1	04/23/2018 16:00	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	04/23/2018 16:00	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000403	0.00111	1	04/23/2018 16:00	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00111	1	04/23/2018 16:00	WG1101837
Tetrachloroethene	0.00301		0.000305	0.00111	1	04/23/2018 16:00	WG1101837
Toluene	U		0.000480	0.00553	1	04/23/2018 16:00	WG1101837
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	04/23/2018 16:00	WG1101837
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	04/23/2018 16:00	WG1101837
1,1,1-Trichloroethane	U		0.000316	0.00111	1	04/23/2018 16:00	WG1101837
1,1,2-Trichloroethane	U		0.000306	0.00111	1	04/23/2018 16:00	WG1101837
Trichloroethene	0.00143		0.000308	0.00111	1	04/23/2018 16:00	WG1101837
Trichlorofluoromethane	U		0.000422	0.00553	1	04/23/2018 16:00	WG1101837
1,2,3-Trichloropropane	U		0.000819	0.00276	1	04/23/2018 16:00	WG1101837
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	04/23/2018 16:00	WG1101837
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	04/23/2018 16:00	WG1101837
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	04/23/2018 16:00	WG1101837
Vinyl acetate	U		0.00264	0.0111	1	04/23/2018 16:00	WG1101837
Vinyl chloride	0.113		0.000322	0.00111	1	04/23/2018 16:00	WG1101837
Xylenes, Total	U		0.000771	0.00332	1	04/23/2018 16:00	WG1101837
(S) Toluene-d8	*107*			*80.0-120*		*04/26/2018 02:44*	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/23/2018 16:00*	WG1101837
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*04/23/2018 16:00*	WG1101837
(S) Dibromofluoromethane	*81.0*			*74.0-131*		*04/26/2018 02:44*	WG1101837
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/23/2018 16:00*	WG1101837
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/26/2018 02:44*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.281	1.41	25	04/26/2018 03:05	WG1101837
Acrylonitrile	U		0.0504	0.281	25	04/26/2018 03:05	WG1101837
Benzene	U		0.00760	0.0281	25	04/26/2018 03:05	WG1101837
Bromobenzene	U		0.00799	0.0281	25	04/26/2018 03:05	WG1101837
Bromodichloromethane	U		0.00715	0.0281	25	04/26/2018 03:05	WG1101837
Bromochloromethane	U		0.0110	0.141	25	04/26/2018 03:05	WG1101837
Bromoform	U		0.0119	0.0281	25	04/26/2018 03:05	WG1101837
Bromomethane	U	J0	0.0377	0.141	25	04/26/2018 03:05	WG1101837
n-Butylbenzene	U		0.00726	0.0281	25	04/26/2018 03:05	WG1101837
sec-Butylbenzene	U		0.00565	0.0281	25	04/26/2018 03:05	WG1101837
tert-Butylbenzene	U		0.00580	0.0281	25	04/26/2018 03:05	WG1101837
Carbon disulfide	U		0.00621	0.0281	25	04/26/2018 03:05	WG1101837
Carbon tetrachloride	U		0.00923	0.0281	25	04/26/2018 03:05	WG1101837
Chlorobenzene	U		0.00597	0.0281	25	04/26/2018 03:05	WG1101837
Chlorodibromomethane	U		0.0105	0.0281	25	04/26/2018 03:05	WG1101837
Chloroethane	U	J0	0.0266	0.141	25	04/26/2018 03:05	WG1101837
Chloroform	U		0.00644	0.141	25	04/26/2018 03:05	WG1101837
Chloromethane	U		0.0106	0.0704	25	04/26/2018 03:05	WG1101837
2-Chlorotoluene	U		0.00847	0.0281	25	04/26/2018 03:05	WG1101837
4-Chlorotoluene	U		0.00675	0.0281	25	04/26/2018 03:05	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.0295	0.141	25	04/26/2018 03:05	WG1101837
1,2-Dibromoethane	U		0.00966	0.0281	25	04/26/2018 03:05	WG1101837
Dibromomethane	U		0.0108	0.0281	25	04/26/2018 03:05	WG1101837
1,2-Dichlorobenzene	U		0.00858	0.0281	25	04/26/2018 03:05	WG1101837
1,3-Dichlorobenzene	U		0.00673	0.0281	25	04/26/2018 03:05	WG1101837
1,4-Dichlorobenzene	U		0.00636	0.0281	25	04/26/2018 03:05	WG1101837
Dichlorodifluoromethane	U		0.0200	0.141	25	04/26/2018 03:05	WG1101837
1,1-Dichloroethane	U		0.00561	0.0281	25	04/26/2018 03:05	WG1101837
1,2-Dichloroethane	U		0.00745	0.0281	25	04/26/2018 03:05	WG1101837
1,1-Dichloroethene	U		0.00853	0.0281	25	04/26/2018 03:05	WG1101837
cis-1,2-Dichloroethene	0.426		0.00662	0.0281	25	04/26/2018 03:05	WG1101837
trans-1,2-Dichloroethene	0.0576		0.00743	0.0281	25	04/26/2018 03:05	WG1101837
1,2-Dichloropropane	U		0.0101	0.0281	25	04/26/2018 03:05	WG1101837
1,1-Dichloropropene	U		0.00892	0.0281	25	04/26/2018 03:05	WG1101837
1,3-Dichloropropane	U		0.00583	0.0281	25	04/26/2018 03:05	WG1101837
cis-1,3-Dichloropropene	U		0.00737	0.0281	25	04/26/2018 03:05	WG1101837
trans-1,3-Dichloropropene	U		0.00752	0.0281	25	04/26/2018 03:05	WG1101837
trans-1,4-Dichloro-2-butene	U		0.0218	0.0704	25	04/26/2018 03:05	WG1101837
2,2-Dichloropropane	U		0.00786	0.0281	25	04/26/2018 03:05	WG1101837
Di-isopropyl ether	U		0.00698	0.0281	25	04/26/2018 03:05	WG1101837
Ethylbenzene	U		0.00835	0.0281	25	04/26/2018 03:05	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.00962	0.0281	25	04/26/2018 03:05	WG1101837
2-Hexanone	U		0.0385	0.281	25	04/26/2018 03:05	WG1101837
n-Hexane	U		0.00816	0.281	25	04/26/2018 03:05	WG1101837
Iodomethane	U		0.0711	0.281	25	04/26/2018 03:05	WG1101837
Isopropylbenzene	U		0.00684	0.0281	25	04/26/2018 03:05	WG1101837
p-Isopropyltoluene	U		0.00574	0.0281	25	04/26/2018 03:05	WG1101837
2-Butanone (MEK)	U		0.132	0.281	25	04/26/2018 03:05	WG1101837
Methylene Chloride	U		0.0281	0.141	25	04/26/2018 03:05	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.0529	0.281	25	04/26/2018 03:05	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00597	0.0281	25	04/26/2018 03:05	WG1101837
Naphthalene	U		0.0281	0.141	25	04/26/2018 03:05	WG1101837
n-Propylbenzene	U		0.00580	0.0281	25	04/26/2018 03:05	WG1101837
Styrene	U		0.00659	0.0281	25	04/26/2018 03:05	WG1101837
1,1,1,2-Tetrachloroethane	U		0.00743	0.0281	25	04/26/2018 03:05	WG1101837
1,1,2,2-Tetrachloroethane	U		0.0103	0.0281	25	04/26/2018 03:05	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0281	25	04/26/2018 03:05	WG1101837
Tetrachloroethene	0.227		0.00777	0.0281	25	04/26/2018 03:05	WG1101837
Toluene	U		0.0122	0.141	25	04/26/2018 03:05	WG1101837
1,2,3-Trichlorobenzene	U		0.00861	0.0281	25	04/26/2018 03:05	WG1101837
1,2,4-Trichlorobenzene	U		0.0109	0.0281	25	04/26/2018 03:05	WG1101837
1,1,1-Trichloroethane	U		0.00805	0.0281	25	04/26/2018 03:05	WG1101837
1,1,2-Trichloroethane	U		0.00779	0.0281	25	04/26/2018 03:05	WG1101837
Trichloroethene	0.144		0.00786	0.0281	25	04/26/2018 03:05	WG1101837
Trichlorofluoromethane	U		0.0108	0.141	25	04/26/2018 03:05	WG1101837
1,2,3-Trichloropropane	U		0.0208	0.0704	25	04/26/2018 03:05	WG1101837
1,2,4-Trimethylbenzene	U		0.00594	0.0281	25	04/26/2018 03:05	WG1101837
1,2,3-Trimethylbenzene	U		0.00808	0.0281	25	04/26/2018 03:05	WG1101837
1,3,5-Trimethylbenzene	U		0.00749	0.0281	25	04/26/2018 03:05	WG1101837
Vinyl acetate	U		0.0673	0.281	25	04/26/2018 03:05	WG1101837
Vinyl chloride	0.506		0.00819	0.0281	25	04/26/2018 03:05	WG1101837
Xylenes, Total	U		0.0196	0.0844	25	04/26/2018 03:05	WG1101837
(S) Toluene-d8	*105*			*80.0-120*		*04/26/2018 03:05*	WG1101837
(S) Dibromofluoromethane	*86.5*			*74.0-131*		*04/26/2018 03:05*	WG1101837
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*04/26/2018 03:05*	WG1101837

Sample Narrative:

L987913-08 WG1101837: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0112	J J0	0.0107	0.0537	1	04/23/2018 16:42	WG1101837
Acrylonitrile	U		0.00192	0.0107	1	04/23/2018 16:42	WG1101837
Benzene	U		0.000290	0.00107	1	04/23/2018 16:42	WG1101837
Bromobenzene	U		0.000305	0.00107	1	04/23/2018 16:42	WG1101837
Bromodichloromethane	U		0.000273	0.00107	1	04/23/2018 16:42	WG1101837
Bromochloromethane	U		0.000419	0.00537	1	04/23/2018 16:42	WG1101837
Bromoform	U		0.000455	0.00107	1	04/23/2018 16:42	WG1101837
Bromomethane	U	J0	0.00144	0.00537	1	04/23/2018 16:42	WG1101837
n-Butylbenzene	U		0.000277	0.00107	1	04/23/2018 16:42	WG1101837
sec-Butylbenzene	U		0.000216	0.00107	1	04/23/2018 16:42	WG1101837
tert-Butylbenzene	U		0.000221	0.00107	1	04/23/2018 16:42	WG1101837
Carbon disulfide	0.000463	J	0.000237	0.00107	1	04/23/2018 16:42	WG1101837
Carbon tetrachloride	U		0.000352	0.00107	1	04/23/2018 16:42	WG1101837
Chlorobenzene	U		0.000228	0.00107	1	04/23/2018 16:42	WG1101837
Chlorodibromomethane	U		0.000401	0.00107	1	04/23/2018 16:42	WG1101837
Chloroethane	U	J0	0.00102	0.00537	1	04/23/2018 16:42	WG1101837
Chloroform	U		0.000246	0.00537	1	04/23/2018 16:42	WG1101837
Chloromethane	U	J0	0.000403	0.00268	1	04/23/2018 16:42	WG1101837
2-Chlorotoluene	U		0.000323	0.00107	1	04/23/2018 16:42	WG1101837
4-Chlorotoluene	U		0.000258	0.00107	1	04/23/2018 16:42	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	04/23/2018 16:42	WG1101837
1,2-Dibromoethane	U		0.000368	0.00107	1	04/23/2018 16:42	WG1101837
Dibromomethane	U		0.000410	0.00107	1	04/23/2018 16:42	WG1101837
1,2-Dichlorobenzene	U		0.000327	0.00107	1	04/23/2018 16:42	WG1101837
1,3-Dichlorobenzene	U		0.000257	0.00107	1	04/23/2018 16:42	WG1101837
1,4-Dichlorobenzene	U		0.000243	0.00107	1	04/23/2018 16:42	WG1101837
Dichlorodifluoromethane	U	J0	0.000766	0.00537	1	04/23/2018 16:42	WG1101837
1,1-Dichloroethane	U		0.000214	0.00107	1	04/23/2018 16:42	WG1101837
1,2-Dichloroethane	U		0.000285	0.00107	1	04/23/2018 16:42	WG1101837
1,1-Dichloroethene	0.00390		0.000325	0.00107	1	04/23/2018 16:42	WG1101837
cis-1,2-Dichloroethene	0.693		0.0127	0.0537	50	04/26/2018 03:26	WG1101837
trans-1,2-Dichloroethene	0.00602		0.000283	0.00107	1	04/23/2018 16:42	WG1101837
1,2-Dichloropropane	U		0.000384	0.00107	1	04/23/2018 16:42	WG1101837
1,1-Dichloropropene	U		0.000340	0.00107	1	04/23/2018 16:42	WG1101837
1,3-Dichloropropane	U		0.000222	0.00107	1	04/23/2018 16:42	WG1101837
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	04/23/2018 16:42	WG1101837
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	04/23/2018 16:42	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000835	0.00268	1	04/23/2018 16:42	WG1101837
2,2-Dichloropropane	U		0.000300	0.00107	1	04/23/2018 16:42	WG1101837
Di-isopropyl ether	U		0.000266	0.00107	1	04/23/2018 16:42	WG1101837
Ethylbenzene	U		0.000319	0.00107	1	04/23/2018 16:42	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000367	0.00107	1	04/23/2018 16:42	WG1101837
2-Hexanone	U		0.00147	0.0107	1	04/23/2018 16:42	WG1101837
n-Hexane	0.00121	J	0.000311	0.0107	1	04/23/2018 16:42	WG1101837
Iodomethane	U		0.00272	0.0107	1	04/23/2018 16:42	WG1101837
Isopropylbenzene	U		0.000261	0.00107	1	04/23/2018 16:42	WG1101837
p-Isopropyltoluene	U		0.000219	0.00107	1	04/23/2018 16:42	WG1101837
2-Butanone (MEK)	U		0.00503	0.0107	1	04/23/2018 16:42	WG1101837
Methylene Chloride	U		0.00107	0.00537	1	04/23/2018 16:42	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	04/23/2018 16:42	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00107	1	04/23/2018 16:42	WG1101837
Naphthalene	U		0.00107	0.00537	1	04/23/2018 16:42	WG1101837
n-Propylbenzene	U		0.000221	0.00107	1	04/23/2018 16:42	WG1101837
Styrene	U		0.000251	0.00107	1	04/23/2018 16:42	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	04/23/2018 16:42	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	04/23/2018 16:42	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	04/23/2018 16:42	WG1101837
Tetrachloroethene	0.115		0.000296	0.00107	1	04/23/2018 16:42	WG1101837
Toluene	U		0.000466	0.00537	1	04/23/2018 16:42	WG1101837
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	04/23/2018 16:42	WG1101837
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	04/23/2018 16:42	WG1101837
1,1,1-Trichloroethane	U		0.000307	0.00107	1	04/23/2018 16:42	WG1101837
1,1,2-Trichloroethane	U		0.000297	0.00107	1	04/23/2018 16:42	WG1101837
Trichloroethene	0.387		0.0150	0.0537	50	04/26/2018 03:26	WG1101837
Trichlorofluoromethane	U		0.000410	0.00537	1	04/23/2018 16:42	WG1101837
1,2,3-Trichloropropane	U		0.000796	0.00268	1	04/23/2018 16:42	WG1101837
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	04/23/2018 16:42	WG1101837
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	04/23/2018 16:42	WG1101837
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	04/23/2018 16:42	WG1101837
Vinyl acetate	U		0.00257	0.0107	1	04/23/2018 16:42	WG1101837
Vinyl chloride	0.0505		0.000312	0.00107	1	04/23/2018 16:42	WG1101837
Xylenes, Total	U		0.000749	0.00322	1	04/23/2018 16:42	WG1101837
(S) Toluene-d8	*106*			*80.0-120*		*04/26/2018 03:26*	WG1101837
(S) Toluene-d8	*101*			*80.0-120*		*04/23/2018 16:42*	WG1101837
(S) Dibromofluoromethane	*85.9*			*74.0-131*		*04/26/2018 03:26*	WG1101837
(S) Dibromofluoromethane	*97.0*			*74.0-131*		*04/23/2018 16:42*	WG1101837
(S) 4-Bromofluorobenzene	*94.3*			*64.0-132*		*04/23/2018 16:42*	WG1101837
(S) 4-Bromofluorobenzene	*92.0*			*64.0-132*		*04/26/2018 03:26*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0118	0.0592	1	04/23/2018 17:04	WG1101837
Acrylonitrile	U		0.00212	0.0118	1	04/23/2018 17:04	WG1101837
Benzene	U		0.000320	0.00118	1	04/23/2018 17:04	WG1101837
Bromobenzene	U		0.000336	0.00118	1	04/23/2018 17:04	WG1101837
Bromodichloromethane	U		0.000301	0.00118	1	04/23/2018 17:04	WG1101837
Bromochloromethane	U		0.000462	0.00592	1	04/23/2018 17:04	WG1101837
Bromoform	U		0.000502	0.00118	1	04/23/2018 17:04	WG1101837
Bromomethane	U	J0	0.00159	0.00592	1	04/23/2018 17:04	WG1101837
n-Butylbenzene	U		0.000306	0.00118	1	04/23/2018 17:04	WG1101837
sec-Butylbenzene	U		0.000238	0.00118	1	04/23/2018 17:04	WG1101837
tert-Butylbenzene	U		0.000244	0.00118	1	04/23/2018 17:04	WG1101837
Carbon disulfide	0.000440	J	0.000262	0.00118	1	04/23/2018 17:04	WG1101837
Carbon tetrachloride	U		0.000389	0.00118	1	04/23/2018 17:04	WG1101837
Chlorobenzene	U		0.000251	0.00118	1	04/23/2018 17:04	WG1101837
Chlorodibromomethane	U		0.000442	0.00118	1	04/23/2018 17:04	WG1101837
Chloroethane	U	J0	0.00112	0.00592	1	04/23/2018 17:04	WG1101837
Chloroform	U		0.000271	0.00592	1	04/23/2018 17:04	WG1101837
Chloromethane	U	J0	0.000444	0.00296	1	04/23/2018 17:04	WG1101837
2-Chlorotoluene	U		0.000357	0.00118	1	04/23/2018 17:04	WG1101837
4-Chlorotoluene	U		0.000284	0.00118	1	04/23/2018 17:04	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00592	1	04/23/2018 17:04	WG1101837
1,2-Dibromoethane	U		0.000406	0.00118	1	04/23/2018 17:04	WG1101837
Dibromomethane	U		0.000453	0.00118	1	04/23/2018 17:04	WG1101837
1,2-Dichlorobenzene	U		0.000361	0.00118	1	04/23/2018 17:04	WG1101837
1,3-Dichlorobenzene	U		0.000283	0.00118	1	04/23/2018 17:04	WG1101837
1,4-Dichlorobenzene	U		0.000268	0.00118	1	04/23/2018 17:04	WG1101837
Dichlorodifluoromethane	U	J0	0.000845	0.00592	1	04/23/2018 17:04	WG1101837
1,1-Dichloroethane	U		0.000236	0.00118	1	04/23/2018 17:04	WG1101837
1,2-Dichloroethane	U		0.000314	0.00118	1	04/23/2018 17:04	WG1101837
1,1-Dichloroethene	0.00263		0.000359	0.00118	1	04/23/2018 17:04	WG1101837
cis-1,2-Dichloroethene	2.04		0.0140	0.0592	50	04/26/2018 03:47	WG1101837
trans-1,2-Dichloroethene	0.00127		0.000313	0.00118	1	04/23/2018 17:04	WG1101837
1,2-Dichloropropane	U		0.000424	0.00118	1	04/23/2018 17:04	WG1101837
1,1-Dichloropropene	U		0.000376	0.00118	1	04/23/2018 17:04	WG1101837
1,3-Dichloropropane	U		0.000245	0.00118	1	04/23/2018 17:04	WG1101837
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	04/23/2018 17:04	WG1101837
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	04/23/2018 17:04	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000922	0.00296	1	04/23/2018 17:04	WG1101837
2,2-Dichloropropane	U		0.000331	0.00118	1	04/23/2018 17:04	WG1101837
Di-isopropyl ether	U		0.000294	0.00118	1	04/23/2018 17:04	WG1101837
Ethylbenzene	U		0.000352	0.00118	1	04/23/2018 17:04	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000405	0.00118	1	04/23/2018 17:04	WG1101837
2-Hexanone	U		0.00162	0.0118	1	04/23/2018 17:04	WG1101837
n-Hexane	0.000569	J	0.000344	0.0118	1	04/23/2018 17:04	WG1101837
Iodomethane	U		0.00300	0.0118	1	04/23/2018 17:04	WG1101837
Isopropylbenzene	U		0.000288	0.00118	1	04/23/2018 17:04	WG1101837
p-Isopropyltoluene	U		0.000242	0.00118	1	04/23/2018 17:04	WG1101837
2-Butanone (MEK)	U		0.00555	0.0118	1	04/23/2018 17:04	WG1101837
Methylene Chloride	U		0.00118	0.00592	1	04/23/2018 17:04	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0118	1	04/23/2018 17:04	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00118	1	04/23/2018 17:04	WG1101837
Naphthalene	U		0.00118	0.00592	1	04/23/2018 17:04	WG1101837
n-Propylbenzene	U		0.000244	0.00118	1	04/23/2018 17:04	WG1101837
Styrene	U		0.000277	0.00118	1	04/23/2018 17:04	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000313	0.00118	1	04/23/2018 17:04	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000432	0.00118	1	04/23/2018 17:04	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000432	0.00118	1	04/23/2018 17:04	WG1101837
Tetrachloroethene	0.0281		0.000327	0.00118	1	04/23/2018 17:04	WG1101837
Toluene	U		0.000514	0.00592	1	04/23/2018 17:04	WG1101837
1,2,3-Trichlorobenzene	U		0.000363	0.00118	1	04/23/2018 17:04	WG1101837
1,2,4-Trichlorobenzene	U		0.000460	0.00118	1	04/23/2018 17:04	WG1101837
1,1,1-Trichloroethane	U		0.000339	0.00118	1	04/23/2018 17:04	WG1101837
1,1,2-Trichloroethane	U		0.000328	0.00118	1	04/23/2018 17:04	WG1101837
Trichloroethene	0.0427		0.000331	0.00118	1	04/23/2018 17:04	WG1101837
Trichlorofluoromethane	U		0.000453	0.00592	1	04/23/2018 17:04	WG1101837
1,2,3-Trichloropropane	U		0.000878	0.00296	1	04/23/2018 17:04	WG1101837
1,2,4-Trimethylbenzene	U		0.000250	0.00118	1	04/23/2018 17:04	WG1101837
1,2,3-Trimethylbenzene	U		0.000340	0.00118	1	04/23/2018 17:04	WG1101837
1,3,5-Trimethylbenzene	U		0.000315	0.00118	1	04/23/2018 17:04	WG1101837
Vinyl acetate	U		0.00283	0.0118	1	04/23/2018 17:04	WG1101837
Vinyl chloride	0.0113		0.000345	0.00118	1	04/23/2018 17:04	WG1101837
Xylenes, Total	U		0.000827	0.00355	1	04/23/2018 17:04	WG1101837
(S) Toluene-d8	*108*			*80.0-120*		*04/26/2018 03:47*	WG1101837
(S) Toluene-d8	*102*			*80.0-120*		*04/23/2018 17:04*	WG1101837
(S) Dibromofluoromethane	*83.3*			*74.0-131*		*04/26/2018 03:47*	WG1101837
(S) Dibromofluoromethane	*95.8*			*74.0-131*		*04/23/2018 17:04*	WG1101837
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*04/26/2018 03:47*	WG1101837
(S) 4-Bromofluorobenzene	*94.0*			*64.0-132*		*04/23/2018 17:04*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0549	1	04/23/2018 17:25	WG1101837
Acrylonitrile	U		0.00197	0.0110	1	04/23/2018 17:25	WG1101837
Benzene	U		0.000297	0.00110	1	04/23/2018 17:25	WG1101837
Bromobenzene	U		0.000312	0.00110	1	04/23/2018 17:25	WG1101837
Bromodichloromethane	U		0.000279	0.00110	1	04/23/2018 17:25	WG1101837
Bromochloromethane	U		0.000428	0.00549	1	04/23/2018 17:25	WG1101837
Bromoform	U		0.000466	0.00110	1	04/23/2018 17:25	WG1101837
Bromomethane	U	J0	0.00147	0.00549	1	04/23/2018 17:25	WG1101837
n-Butylbenzene	U		0.000283	0.00110	1	04/23/2018 17:25	WG1101837
sec-Butylbenzene	U		0.000221	0.00110	1	04/23/2018 17:25	WG1101837
tert-Butylbenzene	U		0.000226	0.00110	1	04/23/2018 17:25	WG1101837
Carbon disulfide	U		0.000243	0.00110	1	04/23/2018 17:25	WG1101837
Carbon tetrachloride	U		0.000360	0.00110	1	04/23/2018 17:25	WG1101837
Chlorobenzene	U		0.000233	0.00110	1	04/23/2018 17:25	WG1101837
Chlorodibromomethane	U		0.000410	0.00110	1	04/23/2018 17:25	WG1101837
Chloroethane	U	J0	0.00104	0.00549	1	04/23/2018 17:25	WG1101837
Chloroform	U		0.000252	0.00549	1	04/23/2018 17:25	WG1101837
Chloromethane	U	J0	0.000412	0.00275	1	04/23/2018 17:25	WG1101837
2-Chlorotoluene	U		0.000331	0.00110	1	04/23/2018 17:25	WG1101837
4-Chlorotoluene	U		0.000264	0.00110	1	04/23/2018 17:25	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	04/23/2018 17:25	WG1101837
1,2-Dibromoethane	U		0.000377	0.00110	1	04/23/2018 17:25	WG1101837
Dibromomethane	U		0.000420	0.00110	1	04/23/2018 17:25	WG1101837
1,2-Dichlorobenzene	U		0.000335	0.00110	1	04/23/2018 17:25	WG1101837
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/23/2018 17:25	WG1101837
1,4-Dichlorobenzene	U		0.000248	0.00110	1	04/23/2018 17:25	WG1101837
Dichlorodifluoromethane	U	J0	0.000783	0.00549	1	04/23/2018 17:25	WG1101837
1,1-Dichloroethane	U		0.000219	0.00110	1	04/23/2018 17:25	WG1101837
1,2-Dichloroethane	U		0.000291	0.00110	1	04/23/2018 17:25	WG1101837
1,1-Dichloroethene	U		0.000333	0.00110	1	04/23/2018 17:25	WG1101837
cis-1,2-Dichloroethene	0.00916		0.000258	0.00110	1	04/26/2018 04:09	WG1101837
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	04/23/2018 17:25	WG1101837
1,2-Dichloropropane	U		0.000393	0.00110	1	04/23/2018 17:25	WG1101837
1,1-Dichloropropene	U		0.000348	0.00110	1	04/23/2018 17:25	WG1101837
1,3-Dichloropropane	U		0.000227	0.00110	1	04/23/2018 17:25	WG1101837
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/23/2018 17:25	WG1101837
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	04/23/2018 17:25	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	04/23/2018 17:25	WG1101837
2,2-Dichloropropane	U		0.000306	0.00110	1	04/23/2018 17:25	WG1101837
Di-isopropyl ether	U		0.000272	0.00110	1	04/23/2018 17:25	WG1101837
Ethylbenzene	U		0.000326	0.00110	1	04/23/2018 17:25	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000376	0.00110	1	04/23/2018 17:25	WG1101837
2-Hexanone	U		0.00150	0.0110	1	04/23/2018 17:25	WG1101837
n-Hexane	0.000700	J	0.000319	0.0110	1	04/23/2018 17:25	WG1101837
Iodomethane	U		0.00278	0.0110	1	04/23/2018 17:25	WG1101837
Isopropylbenzene	U		0.000267	0.00110	1	04/23/2018 17:25	WG1101837
p-Isopropyltoluene	U		0.000224	0.00110	1	04/23/2018 17:25	WG1101837
2-Butanone (MEK)	U		0.00514	0.0110	1	04/23/2018 17:25	WG1101837
Methylene Chloride	U		0.00110	0.00549	1	04/23/2018 17:25	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	04/23/2018 17:25	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/23/2018 17:25	WG1101837
Naphthalene	U		0.00110	0.00549	1	04/23/2018 17:25	WG1101837
n-Propylbenzene	U		0.000226	0.00110	1	04/23/2018 17:25	WG1101837
Styrene	U		0.000257	0.00110	1	04/23/2018 17:25	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/23/2018 17:25	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	04/23/2018 17:25	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	04/23/2018 17:25	WG1101837
Tetrachloroethene	0.00270		0.000303	0.00110	1	04/23/2018 17:25	WG1101837
Toluene	U		0.000477	0.00549	1	04/23/2018 17:25	WG1101837
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/23/2018 17:25	WG1101837
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/23/2018 17:25	WG1101837
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/23/2018 17:25	WG1101837
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/23/2018 17:25	WG1101837
Trichloroethene	0.00337		0.000306	0.00110	1	04/23/2018 17:25	WG1101837
Trichlorofluoromethane	U		0.000420	0.00549	1	04/23/2018 17:25	WG1101837
1,2,3-Trichloropropane	U		0.000814	0.00275	1	04/23/2018 17:25	WG1101837
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/23/2018 17:25	WG1101837
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/23/2018 17:25	WG1101837
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/23/2018 17:25	WG1101837
Vinyl acetate	U		0.00263	0.0110	1	04/23/2018 17:25	WG1101837
Vinyl chloride	0.000843	J	0.000320	0.00110	1	04/23/2018 17:25	WG1101837
Xylenes, Total	U		0.000767	0.00330	1	04/23/2018 17:25	WG1101837
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 04:09*	WG1101837
(S) Toluene-d8	*105*			*80.0-120*		*04/23/2018 17:25*	WG1101837
(S) Dibromofluoromethane	*91.0*			*74.0-131*		*04/26/2018 04:09*	WG1101837
(S) Dibromofluoromethane	*90.3*			*74.0-131*		*04/23/2018 17:25*	WG1101837
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*04/26/2018 04:09*	WG1101837
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*04/23/2018 17:25*	WG1101837

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0551	1	04/23/2018 17:46	WG1101837
Acrylonitrile	U		0.00197	0.0110	1	04/23/2018 17:46	WG1101837
Benzene	U		0.000297	0.00110	1	04/23/2018 17:46	WG1101837
Bromobenzene	U		0.000313	0.00110	1	04/23/2018 17:46	WG1101837
Bromodichloromethane	U		0.000280	0.00110	1	04/23/2018 17:46	WG1101837
Bromochloromethane	U		0.000430	0.00551	1	04/23/2018 17:46	WG1101837
Bromoform	U		0.000467	0.00110	1	04/23/2018 17:46	WG1101837
Bromomethane	U	J0	0.00148	0.00551	1	04/23/2018 17:46	WG1101837
n-Butylbenzene	U		0.000284	0.00110	1	04/23/2018 17:46	WG1101837
sec-Butylbenzene	U		0.000221	0.00110	1	04/23/2018 17:46	WG1101837
tert-Butylbenzene	U		0.000227	0.00110	1	04/23/2018 17:46	WG1101837
Carbon disulfide	0.000279	J	0.000243	0.00110	1	04/23/2018 17:46	WG1101837
Carbon tetrachloride	U		0.000361	0.00110	1	04/23/2018 17:46	WG1101837
Chlorobenzene	U		0.000234	0.00110	1	04/23/2018 17:46	WG1101837
Chlorodibromomethane	U		0.000411	0.00110	1	04/23/2018 17:46	WG1101837
Chloroethane	U	J0	0.00104	0.00551	1	04/23/2018 17:46	WG1101837
Chloroform	U		0.000252	0.00551	1	04/23/2018 17:46	WG1101837
Chloromethane	U	J0	0.000413	0.00275	1	04/23/2018 17:46	WG1101837
2-Chlorotoluene	U		0.000332	0.00110	1	04/23/2018 17:46	WG1101837
4-Chlorotoluene	U		0.000264	0.00110	1	04/23/2018 17:46	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/23/2018 17:46	WG1101837
1,2-Dibromoethane	U		0.000378	0.00110	1	04/23/2018 17:46	WG1101837
Dibromomethane	U		0.000421	0.00110	1	04/23/2018 17:46	WG1101837
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/23/2018 17:46	WG1101837
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/23/2018 17:46	WG1101837
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/23/2018 17:46	WG1101837
Dichlorodifluoromethane	U	J0	0.000785	0.00551	1	04/23/2018 17:46	WG1101837
1,1-Dichloroethane	U		0.000219	0.00110	1	04/23/2018 17:46	WG1101837
1,2-Dichloroethane	U		0.000292	0.00110	1	04/23/2018 17:46	WG1101837
1,1-Dichloroethene	U		0.000334	0.00110	1	04/23/2018 17:46	WG1101837
cis-1,2-Dichloroethene	0.00280		0.000259	0.00110	1	04/26/2018 04:30	WG1101837
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/23/2018 17:46	WG1101837
1,2-Dichloropropane	U		0.000394	0.00110	1	04/23/2018 17:46	WG1101837
1,1-Dichloropropene	U		0.000349	0.00110	1	04/23/2018 17:46	WG1101837
1,3-Dichloropropane	U		0.000228	0.00110	1	04/23/2018 17:46	WG1101837
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/23/2018 17:46	WG1101837
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/23/2018 17:46	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000857	0.00275	1	04/23/2018 17:46	WG1101837
2,2-Dichloropropane	U		0.000307	0.00110	1	04/23/2018 17:46	WG1101837
Di-isopropyl ether	U		0.000273	0.00110	1	04/23/2018 17:46	WG1101837
Ethylbenzene	U		0.000327	0.00110	1	04/23/2018 17:46	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000377	0.00110	1	04/23/2018 17:46	WG1101837
2-Hexanone	U		0.00151	0.0110	1	04/23/2018 17:46	WG1101837
n-Hexane	U		0.000319	0.0110	1	04/23/2018 17:46	WG1101837
Iodomethane	U		0.00279	0.0110	1	04/23/2018 17:46	WG1101837
Isopropylbenzene	U		0.000268	0.00110	1	04/23/2018 17:46	WG1101837
p-Isopropyltoluene	U		0.000225	0.00110	1	04/23/2018 17:46	WG1101837
2-Butanone (MEK)	U		0.00516	0.0110	1	04/23/2018 17:46	WG1101837
Methylene Chloride	U		0.00110	0.00551	1	04/23/2018 17:46	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/23/2018 17:46	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/23/2018 17:46	WG1101837
Naphthalene	U		0.00110	0.00551	1	04/23/2018 17:46	WG1101837
n-Propylbenzene	U		0.000227	0.00110	1	04/23/2018 17:46	WG1101837
Styrene	U		0.000258	0.00110	1	04/23/2018 17:46	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/23/2018 17:46	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/23/2018 17:46	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/23/2018 17:46	WG1101837
Tetrachloroethene	0.000793	J	0.000304	0.00110	1	04/23/2018 17:46	WG1101837
Toluene	U		0.000478	0.00551	1	04/23/2018 17:46	WG1101837
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/23/2018 17:46	WG1101837
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/23/2018 17:46	WG1101837
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/23/2018 17:46	WG1101837
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/23/2018 17:46	WG1101837
Trichloroethene	0.000816	J	0.000307	0.00110	1	04/23/2018 17:46	WG1101837
Trichlorofluoromethane	U		0.000421	0.00551	1	04/23/2018 17:46	WG1101837
1,2,3-Trichloropropane	U		0.000816	0.00275	1	04/23/2018 17:46	WG1101837
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/23/2018 17:46	WG1101837
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/23/2018 17:46	WG1101837
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/23/2018 17:46	WG1101837
Vinyl acetate	U		0.00263	0.0110	1	04/23/2018 17:46	WG1101837
Vinyl chloride	U		0.000321	0.00110	1	04/23/2018 17:46	WG1101837
Xylenes, Total	U		0.000769	0.00330	1	04/23/2018 17:46	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/23/2018 17:46*	WG1101837
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 04:30*	WG1101837
(S) Dibromofluoromethane	*94.6*			*74.0-131*		*04/23/2018 17:46*	WG1101837
(S) Dibromofluoromethane	*92.3*			*74.0-131*		*04/26/2018 04:30*	WG1101837
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*04/23/2018 17:46*	WG1101837
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*04/26/2018 04:30*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0552	1	04/23/2018 18:07	WG1101837
Acrylonitrile	U		0.00198	0.0110	1	04/23/2018 18:07	WG1101837
Benzene	U		0.000298	0.00110	1	04/23/2018 18:07	WG1101837
Bromobenzene	U		0.000313	0.00110	1	04/23/2018 18:07	WG1101837
Bromodichloromethane	U		0.000280	0.00110	1	04/23/2018 18:07	WG1101837
Bromochloromethane	U		0.000430	0.00552	1	04/23/2018 18:07	WG1101837
Bromoform	U		0.000468	0.00110	1	04/23/2018 18:07	WG1101837
Bromomethane	U	J0	0.00148	0.00552	1	04/23/2018 18:07	WG1101837
n-Butylbenzene	U		0.000285	0.00110	1	04/23/2018 18:07	WG1101837
sec-Butylbenzene	U		0.000222	0.00110	1	04/23/2018 18:07	WG1101837
tert-Butylbenzene	U		0.000227	0.00110	1	04/23/2018 18:07	WG1101837
Carbon disulfide	0.000445	J	0.000244	0.00110	1	04/23/2018 18:07	WG1101837
Carbon tetrachloride	U		0.000362	0.00110	1	04/23/2018 18:07	WG1101837
Chlorobenzene	U		0.000234	0.00110	1	04/23/2018 18:07	WG1101837
Chlorodibromomethane	U		0.000412	0.00110	1	04/23/2018 18:07	WG1101837
Chloroethane	U	J0	0.00104	0.00552	1	04/23/2018 18:07	WG1101837
Chloroform	U		0.000253	0.00552	1	04/23/2018 18:07	WG1101837
Chloromethane	U	J0	0.000414	0.00276	1	04/23/2018 18:07	WG1101837
2-Chlorotoluene	U		0.000332	0.00110	1	04/23/2018 18:07	WG1101837
4-Chlorotoluene	U		0.000265	0.00110	1	04/23/2018 18:07	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/23/2018 18:07	WG1101837
1,2-Dibromoethane	U		0.000379	0.00110	1	04/23/2018 18:07	WG1101837
Dibromomethane	U		0.000422	0.00110	1	04/23/2018 18:07	WG1101837
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/23/2018 18:07	WG1101837
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/23/2018 18:07	WG1101837
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/23/2018 18:07	WG1101837
Dichlorodifluoromethane	U	J0	0.000787	0.00552	1	04/23/2018 18:07	WG1101837
1,1-Dichloroethane	U		0.000220	0.00110	1	04/23/2018 18:07	WG1101837
1,2-Dichloroethane	U		0.000292	0.00110	1	04/23/2018 18:07	WG1101837
1,1-Dichloroethene	0.00611		0.000334	0.00110	1	04/23/2018 18:07	WG1101837
cis-1,2-Dichloroethene	2.07		0.0130	0.0552	50	04/26/2018 04:51	WG1101837
trans-1,2-Dichloroethene	0.00132		0.000291	0.00110	1	04/23/2018 18:07	WG1101837
1,2-Dichloropropane	U		0.000395	0.00110	1	04/23/2018 18:07	WG1101837
1,1-Dichloropropene	U		0.000350	0.00110	1	04/23/2018 18:07	WG1101837
1,3-Dichloropropane	U		0.000228	0.00110	1	04/23/2018 18:07	WG1101837
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/23/2018 18:07	WG1101837
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/23/2018 18:07	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	04/23/2018 18:07	WG1101837
2,2-Dichloropropane	U		0.000308	0.00110	1	04/23/2018 18:07	WG1101837
Di-isopropyl ether	U		0.000274	0.00110	1	04/23/2018 18:07	WG1101837
Ethylbenzene	U		0.000328	0.00110	1	04/23/2018 18:07	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000377	0.00110	1	04/23/2018 18:07	WG1101837
2-Hexanone	U		0.00151	0.0110	1	04/23/2018 18:07	WG1101837
n-Hexane	U		0.000320	0.0110	1	04/23/2018 18:07	WG1101837
Iodomethane	U		0.00279	0.0110	1	04/23/2018 18:07	WG1101837
Isopropylbenzene	U		0.000268	0.00110	1	04/23/2018 18:07	WG1101837
p-Isopropyltoluene	U		0.000225	0.00110	1	04/23/2018 18:07	WG1101837
2-Butanone (MEK)	U		0.00516	0.0110	1	04/23/2018 18:07	WG1101837
Methylene Chloride	U		0.00110	0.00552	1	04/23/2018 18:07	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/23/2018 18:07	WG1101837

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/23/2018 18:07	WG1101837
Naphthalene	U		0.00110	0.00552	1	04/23/2018 18:07	WG1101837
n-Propylbenzene	U		0.000227	0.00110	1	04/23/2018 18:07	WG1101837
Styrene	U		0.000258	0.00110	1	04/23/2018 18:07	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/23/2018 18:07	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/23/2018 18:07	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/23/2018 18:07	WG1101837
Tetrachloroethene	2.23		0.0152	0.0552	50	04/26/2018 04:51	WG1101837
Toluene	U		0.000479	0.00552	1	04/23/2018 18:07	WG1101837
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/23/2018 18:07	WG1101837
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/23/2018 18:07	WG1101837
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/23/2018 18:07	WG1101837
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/23/2018 18:07	WG1101837
Trichloroethene	1.80		0.0155	0.0552	50	04/26/2018 04:51	WG1101837
Trichlorofluoromethane	U		0.000422	0.00552	1	04/23/2018 18:07	WG1101837
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/23/2018 18:07	WG1101837
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/23/2018 18:07	WG1101837
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/23/2018 18:07	WG1101837
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	04/23/2018 18:07	WG1101837
Vinyl acetate	U		0.00264	0.0110	1	04/23/2018 18:07	WG1101837
Vinyl chloride	0.00344		0.000321	0.00110	1	04/23/2018 18:07	WG1101837
Xylenes, Total	U		0.000770	0.00331	1	04/23/2018 18:07	WG1101837
(S) Toluene-d8	*108*			*80.0-120*		*04/26/2018 04:51*	WG1101837
(S) Toluene-d8	*102*			*80.0-120*		*04/23/2018 18:07*	WG1101837
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*04/23/2018 18:07*	WG1101837
(S) Dibromofluoromethane	*84.7*			*74.0-131*		*04/26/2018 04:51*	WG1101837
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*		*04/26/2018 04:51*	WG1101837
(S) 4-Bromofluorobenzene	*94.0*			*64.0-132*		*04/23/2018 18:07*	WG1101837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0115	0.0577	1	04/26/2018 07:18	WG1102608
Acrylonitrile	U		0.00207	0.0115	1	04/26/2018 07:18	WG1102608
Benzene	U		0.000312	0.00115	1	04/26/2018 07:18	WG1102608
Bromobenzene	U		0.000328	0.00115	1	04/26/2018 07:18	WG1102608
Bromodichloromethane	U		0.000293	0.00115	1	04/26/2018 07:18	WG1102608
Bromochloromethane	U		0.000450	0.00577	1	04/26/2018 07:18	WG1102608
Bromoform	U		0.000489	0.00115	1	04/26/2018 07:18	WG1102608
Bromomethane	U	J0	0.00155	0.00577	1	04/26/2018 07:18	WG1102608
n-Butylbenzene	U		0.000298	0.00115	1	04/26/2018 07:18	WG1102608
sec-Butylbenzene	U		0.000232	0.00115	1	04/26/2018 07:18	WG1102608
tert-Butylbenzene	U		0.000238	0.00115	1	04/26/2018 07:18	WG1102608
Carbon disulfide	0.000545	J	0.000255	0.00115	1	04/26/2018 07:18	WG1102608
Carbon tetrachloride	U		0.000379	0.00115	1	04/26/2018 07:18	WG1102608
Chlorobenzene	U		0.000245	0.00115	1	04/26/2018 07:18	WG1102608
Chlorodibromomethane	U		0.000431	0.00115	1	04/26/2018 07:18	WG1102608
Chloroethane	U	J0	0.00109	0.00577	1	04/26/2018 07:18	WG1102608
Chloroform	U		0.000264	0.00577	1	04/26/2018 07:18	WG1102608
Chloromethane	U		0.000433	0.00289	1	04/26/2018 07:18	WG1102608
2-Chlorotoluene	U		0.000347	0.00115	1	04/26/2018 07:18	WG1102608
4-Chlorotoluene	U		0.000277	0.00115	1	04/26/2018 07:18	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	04/26/2018 07:18	WG1102608
1,2-Dibromoethane	U		0.000396	0.00115	1	04/26/2018 07:18	WG1102608
Dibromomethane	U		0.000441	0.00115	1	04/26/2018 07:18	WG1102608
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/26/2018 07:18	WG1102608
1,3-Dichlorobenzene	U		0.000276	0.00115	1	04/26/2018 07:18	WG1102608
1,4-Dichlorobenzene	U		0.000261	0.00115	1	04/26/2018 07:18	WG1102608
Dichlorodifluoromethane	U		0.000823	0.00577	1	04/26/2018 07:18	WG1102608
1,1-Dichloroethane	U		0.000230	0.00115	1	04/26/2018 07:18	WG1102608
1,2-Dichloroethane	U		0.000306	0.00115	1	04/26/2018 07:18	WG1102608
1,1-Dichloroethene	U		0.000350	0.00115	1	04/26/2018 07:18	WG1102608
cis-1,2-Dichloroethene	0.106		0.000271	0.00115	1	04/26/2018 07:18	WG1102608
trans-1,2-Dichloroethene	0.000725	J	0.000305	0.00115	1	04/26/2018 07:18	WG1102608
1,2-Dichloropropane	U		0.000413	0.00115	1	04/26/2018 07:18	WG1102608
1,1-Dichloropropene	U		0.000366	0.00115	1	04/26/2018 07:18	WG1102608
1,3-Dichloropropane	U		0.000239	0.00115	1	04/26/2018 07:18	WG1102608
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/26/2018 07:18	WG1102608
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/26/2018 07:18	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000898	0.00289	1	04/26/2018 07:18	WG1102608
2,2-Dichloropropane	U		0.000322	0.00115	1	04/26/2018 07:18	WG1102608
Di-isopropyl ether	U		0.000286	0.00115	1	04/26/2018 07:18	WG1102608
Ethylbenzene	U		0.000343	0.00115	1	04/26/2018 07:18	WG1102608
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	04/26/2018 07:18	WG1102608
2-Hexanone	U		0.00158	0.0115	1	04/26/2018 07:18	WG1102608
n-Hexane	0.000422	J	0.000335	0.0115	1	04/26/2018 07:18	WG1102608
Iodomethane	U		0.00292	0.0115	1	04/26/2018 07:18	WG1102608
Isopropylbenzene	U		0.000281	0.00115	1	04/26/2018 07:18	WG1102608
p-Isopropyltoluene	U		0.000235	0.00115	1	04/26/2018 07:18	WG1102608
2-Butanone (MEK)	U		0.00540	0.0115	1	04/26/2018 07:18	WG1102608
Methylene Chloride	U		0.00115	0.00577	1	04/26/2018 07:18	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	04/26/2018 07:18	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	04/26/2018 07:18	WG1102608
Naphthalene	U		0.00115	0.00577	1	04/26/2018 07:18	WG1102608
n-Propylbenzene	U		0.000238	0.00115	1	04/26/2018 07:18	WG1102608
Styrene	U		0.000270	0.00115	1	04/26/2018 07:18	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	04/26/2018 07:18	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/26/2018 07:18	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/26/2018 07:18	WG1102608
Tetrachloroethene	0.0140		0.000319	0.00115	1	04/26/2018 07:18	WG1102608
Toluene	U		0.000501	0.00577	1	04/26/2018 07:18	WG1102608
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/26/2018 07:18	WG1102608
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	04/26/2018 07:18	WG1102608
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/26/2018 07:18	WG1102608
1,1,2-Trichloroethane	U		0.000320	0.00115	1	04/26/2018 07:18	WG1102608
Trichloroethene	0.0277		0.000322	0.00115	1	04/26/2018 07:18	WG1102608
Trichlorofluoromethane	U		0.000441	0.00577	1	04/26/2018 07:18	WG1102608
1,2,3-Trichloropropane	U		0.000855	0.00289	1	04/26/2018 07:18	WG1102608
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	04/26/2018 07:18	WG1102608
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/26/2018 07:18	WG1102608
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/26/2018 07:18	WG1102608
Vinyl acetate	U		0.00276	0.0115	1	04/26/2018 07:18	WG1102608
Vinyl chloride	0.00270		0.000336	0.00115	1	04/26/2018 07:18	WG1102608
Xylenes, Total	U		0.000806	0.00346	1	04/26/2018 07:18	WG1102608
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 07:18*	WG1102608
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*04/26/2018 07:18*	WG1102608
(S) 4-Bromofluorobenzene	*93.5*			*64.0-132*		*04/26/2018 07:18*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0112	0.0562	1	04/26/2018 07:40	WG1102608
Acrylonitrile	U		0.00201	0.0112	1	04/26/2018 07:40	WG1102608
Benzene	U		0.000303	0.00112	1	04/26/2018 07:40	WG1102608
Bromobenzene	U		0.000319	0.00112	1	04/26/2018 07:40	WG1102608
Bromodichloromethane	U		0.000285	0.00112	1	04/26/2018 07:40	WG1102608
Bromochloromethane	U		0.000438	0.00562	1	04/26/2018 07:40	WG1102608
Bromoform	U		0.000476	0.00112	1	04/26/2018 07:40	WG1102608
Bromomethane	U	J0	0.00151	0.00562	1	04/26/2018 07:40	WG1102608
n-Butylbenzene	U		0.000290	0.00112	1	04/26/2018 07:40	WG1102608
sec-Butylbenzene	U		0.000226	0.00112	1	04/26/2018 07:40	WG1102608
tert-Butylbenzene	U		0.000231	0.00112	1	04/26/2018 07:40	WG1102608
Carbon disulfide	U		0.000248	0.00112	1	04/26/2018 07:40	WG1102608
Carbon tetrachloride	U		0.000369	0.00112	1	04/26/2018 07:40	WG1102608
Chlorobenzene	U		0.000238	0.00112	1	04/26/2018 07:40	WG1102608
Chlorodibromomethane	U		0.000419	0.00112	1	04/26/2018 07:40	WG1102608
Chloroethane	U	J0	0.00106	0.00562	1	04/26/2018 07:40	WG1102608
Chloroform	U		0.000257	0.00562	1	04/26/2018 07:40	WG1102608
Chloromethane	U		0.000421	0.00281	1	04/26/2018 07:40	WG1102608
2-Chlorotoluene	U		0.000338	0.00112	1	04/26/2018 07:40	WG1102608
4-Chlorotoluene	U		0.000270	0.00112	1	04/26/2018 07:40	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	04/26/2018 07:40	WG1102608
1,2-Dibromoethane	U		0.000385	0.00112	1	04/26/2018 07:40	WG1102608
Dibromomethane	U		0.000429	0.00112	1	04/26/2018 07:40	WG1102608
1,2-Dichlorobenzene	U		0.000343	0.00112	1	04/26/2018 07:40	WG1102608
1,3-Dichlorobenzene	U		0.000269	0.00112	1	04/26/2018 07:40	WG1102608
1,4-Dichlorobenzene	U		0.000254	0.00112	1	04/26/2018 07:40	WG1102608
Dichlorodifluoromethane	U		0.000801	0.00562	1	04/26/2018 07:40	WG1102608
1,1-Dichloroethane	U		0.000224	0.00112	1	04/26/2018 07:40	WG1102608
1,2-Dichloroethane	U		0.000298	0.00112	1	04/26/2018 07:40	WG1102608
1,1-Dichloroethene	U		0.000340	0.00112	1	04/26/2018 07:40	WG1102608
cis-1,2-Dichloroethene	0.00473		0.000264	0.00112	1	04/26/2018 07:40	WG1102608
trans-1,2-Dichloroethene	U		0.000297	0.00112	1	04/26/2018 07:40	WG1102608
1,2-Dichloropropane	U		0.000402	0.00112	1	04/26/2018 07:40	WG1102608
1,1-Dichloropropene	U		0.000356	0.00112	1	04/26/2018 07:40	WG1102608
1,3-Dichloropropane	U		0.000233	0.00112	1	04/26/2018 07:40	WG1102608
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/26/2018 07:40	WG1102608
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	04/26/2018 07:40	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000874	0.00281	1	04/26/2018 07:40	WG1102608
2,2-Dichloropropane	U		0.000313	0.00112	1	04/26/2018 07:40	WG1102608
Di-isopropyl ether	U		0.000279	0.00112	1	04/26/2018 07:40	WG1102608
Ethylbenzene	U		0.000334	0.00112	1	04/26/2018 07:40	WG1102608
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/26/2018 07:40	WG1102608
2-Hexanone	U		0.00154	0.0112	1	04/26/2018 07:40	WG1102608
n-Hexane	U		0.000326	0.0112	1	04/26/2018 07:40	WG1102608
Iodomethane	U		0.00284	0.0112	1	04/26/2018 07:40	WG1102608
Isopropylbenzene	U		0.000273	0.00112	1	04/26/2018 07:40	WG1102608
p-Isopropyltoluene	U		0.000229	0.00112	1	04/26/2018 07:40	WG1102608
2-Butanone (MEK)	U		0.00526	0.0112	1	04/26/2018 07:40	WG1102608
Methylene Chloride	U		0.00112	0.00562	1	04/26/2018 07:40	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/26/2018 07:40	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/26/2018 07:40	WG1102608
Naphthalene	U		0.00112	0.00562	1	04/26/2018 07:40	WG1102608
n-Propylbenzene	U		0.000231	0.00112	1	04/26/2018 07:40	WG1102608
Styrene	U		0.000263	0.00112	1	04/26/2018 07:40	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	04/26/2018 07:40	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	04/26/2018 07:40	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	04/26/2018 07:40	WG1102608
Tetrachloroethene	0.000610	J	0.000310	0.00112	1	04/26/2018 07:40	WG1102608
Toluene	U		0.000488	0.00562	1	04/26/2018 07:40	WG1102608
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	04/26/2018 07:40	WG1102608
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	04/26/2018 07:40	WG1102608
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/26/2018 07:40	WG1102608
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/26/2018 07:40	WG1102608
Trichloroethene	0.00104	J	0.000313	0.00112	1	04/26/2018 07:40	WG1102608
Trichlorofluoromethane	U		0.000429	0.00562	1	04/26/2018 07:40	WG1102608
1,2,3-Trichloropropane	U		0.000833	0.00281	1	04/26/2018 07:40	WG1102608
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/26/2018 07:40	WG1102608
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/26/2018 07:40	WG1102608
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	04/26/2018 07:40	WG1102608
Vinyl acetate	U		0.00269	0.0112	1	04/26/2018 07:40	WG1102608
Vinyl chloride	U		0.000327	0.00112	1	04/26/2018 07:40	WG1102608
Xylenes, Total	U		0.000784	0.00337	1	04/26/2018 07:40	WG1102608
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 07:40*	WG1102608
(S) Dibromofluoromethane	*92.8*			*74.0-131*		*04/26/2018 07:40*	WG1102608
(S) 4-Bromofluorobenzene	*93.5*			*64.0-132*		*04/26/2018 07:40*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0115	0.0575	1	04/26/2018 08:01	WG1102608
Acrylonitrile	U		0.00206	0.0115	1	04/26/2018 08:01	WG1102608
Benzene	U		0.000310	0.00115	1	04/26/2018 08:01	WG1102608
Bromobenzene	U		0.000326	0.00115	1	04/26/2018 08:01	WG1102608
Bromodichloromethane	U		0.000292	0.00115	1	04/26/2018 08:01	WG1102608
Bromochloromethane	U		0.000448	0.00575	1	04/26/2018 08:01	WG1102608
Bromoform	U		0.000487	0.00115	1	04/26/2018 08:01	WG1102608
Bromomethane	U	J0	0.00154	0.00575	1	04/26/2018 08:01	WG1102608
n-Butylbenzene	U		0.000297	0.00115	1	04/26/2018 08:01	WG1102608
sec-Butylbenzene	U		0.000231	0.00115	1	04/26/2018 08:01	WG1102608
tert-Butylbenzene	U		0.000237	0.00115	1	04/26/2018 08:01	WG1102608
Carbon disulfide	U		0.000254	0.00115	1	04/26/2018 08:01	WG1102608
Carbon tetrachloride	U		0.000377	0.00115	1	04/26/2018 08:01	WG1102608
Chlorobenzene	U		0.000244	0.00115	1	04/26/2018 08:01	WG1102608
Chlorodibromomethane	U		0.000429	0.00115	1	04/26/2018 08:01	WG1102608
Chloroethane	U	J0	0.00109	0.00575	1	04/26/2018 08:01	WG1102608
Chloroform	U		0.000263	0.00575	1	04/26/2018 08:01	WG1102608
Chloromethane	U		0.000431	0.00287	1	04/26/2018 08:01	WG1102608
2-Chlorotoluene	U		0.000346	0.00115	1	04/26/2018 08:01	WG1102608
4-Chlorotoluene	U		0.000276	0.00115	1	04/26/2018 08:01	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	04/26/2018 08:01	WG1102608
1,2-Dibromoethane	U		0.000394	0.00115	1	04/26/2018 08:01	WG1102608
Dibromomethane	U		0.000439	0.00115	1	04/26/2018 08:01	WG1102608
1,2-Dichlorobenzene	U		0.000351	0.00115	1	04/26/2018 08:01	WG1102608
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/26/2018 08:01	WG1102608
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/26/2018 08:01	WG1102608
Dichlorodifluoromethane	U		0.000820	0.00575	1	04/26/2018 08:01	WG1102608
1,1-Dichloroethane	U		0.000229	0.00115	1	04/26/2018 08:01	WG1102608
1,2-Dichloroethane	U		0.000305	0.00115	1	04/26/2018 08:01	WG1102608
1,1-Dichloroethene	U		0.000348	0.00115	1	04/26/2018 08:01	WG1102608
cis-1,2-Dichloroethene	0.000785	J	0.000270	0.00115	1	04/26/2018 08:01	WG1102608
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/26/2018 08:01	WG1102608
1,2-Dichloropropane	U		0.000412	0.00115	1	04/26/2018 08:01	WG1102608
1,1-Dichloropropene	U		0.000364	0.00115	1	04/26/2018 08:01	WG1102608
1,3-Dichloropropane	U		0.000238	0.00115	1	04/26/2018 08:01	WG1102608
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/26/2018 08:01	WG1102608
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/26/2018 08:01	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	04/26/2018 08:01	WG1102608
2,2-Dichloropropane	U		0.000321	0.00115	1	04/26/2018 08:01	WG1102608
Di-isopropyl ether	U		0.000285	0.00115	1	04/26/2018 08:01	WG1102608
Ethylbenzene	U		0.000341	0.00115	1	04/26/2018 08:01	WG1102608
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	04/26/2018 08:01	WG1102608
2-Hexanone	U		0.00157	0.0115	1	04/26/2018 08:01	WG1102608
n-Hexane	U		0.000333	0.0115	1	04/26/2018 08:01	WG1102608
Iodomethane	U		0.00291	0.0115	1	04/26/2018 08:01	WG1102608
Isopropylbenzene	U		0.000279	0.00115	1	04/26/2018 08:01	WG1102608
p-Isopropyltoluene	U		0.000235	0.00115	1	04/26/2018 08:01	WG1102608
2-Butanone (MEK)	U		0.00538	0.0115	1	04/26/2018 08:01	WG1102608
Methylene Chloride	U		0.00115	0.00575	1	04/26/2018 08:01	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/26/2018 08:01	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/26/2018 08:01	WG1102608
Naphthalene	U		0.00115	0.00575	1	04/26/2018 08:01	WG1102608
n-Propylbenzene	U		0.000237	0.00115	1	04/26/2018 08:01	WG1102608
Styrene	U		0.000269	0.00115	1	04/26/2018 08:01	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/26/2018 08:01	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	04/26/2018 08:01	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	04/26/2018 08:01	WG1102608
Tetrachloroethene	U		0.000317	0.00115	1	04/26/2018 08:01	WG1102608
Toluene	U		0.000499	0.00575	1	04/26/2018 08:01	WG1102608
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/26/2018 08:01	WG1102608
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	04/26/2018 08:01	WG1102608
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/26/2018 08:01	WG1102608
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/26/2018 08:01	WG1102608
Trichloroethene	0.000401	J	0.000321	0.00115	1	04/26/2018 08:01	WG1102608
Trichlorofluoromethane	U		0.000439	0.00575	1	04/26/2018 08:01	WG1102608
1,2,3-Trichloropropane	U		0.000852	0.00287	1	04/26/2018 08:01	WG1102608
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/26/2018 08:01	WG1102608
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/26/2018 08:01	WG1102608
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/26/2018 08:01	WG1102608
Vinyl acetate	U		0.00275	0.0115	1	04/26/2018 08:01	WG1102608
Vinyl chloride	U		0.000335	0.00115	1	04/26/2018 08:01	WG1102608
Xylenes, Total	U		0.000802	0.00345	1	04/26/2018 08:01	WG1102608
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 08:01*	WG1102608
(S) Dibromofluoromethane	*92.8*			*74.0-131*		*04/26/2018 08:01*	WG1102608
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*		*04/26/2018 08:01*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0566	1	04/26/2018 08:23	WG1102608
Acrylonitrile	U		0.00203	0.0113	1	04/26/2018 08:23	WG1102608
Benzene	U		0.000306	0.00113	1	04/26/2018 08:23	WG1102608
Bromobenzene	U		0.000322	0.00113	1	04/26/2018 08:23	WG1102608
Bromodichloromethane	U		0.000288	0.00113	1	04/26/2018 08:23	WG1102608
Bromochloromethane	U		0.000442	0.00566	1	04/26/2018 08:23	WG1102608
Bromoform	U		0.000480	0.00113	1	04/26/2018 08:23	WG1102608
Bromomethane	U	J0	0.00152	0.00566	1	04/26/2018 08:23	WG1102608
n-Butylbenzene	U		0.000292	0.00113	1	04/26/2018 08:23	WG1102608
sec-Butylbenzene	U		0.000228	0.00113	1	04/26/2018 08:23	WG1102608
tert-Butylbenzene	U		0.000233	0.00113	1	04/26/2018 08:23	WG1102608
Carbon disulfide	U		0.000250	0.00113	1	04/26/2018 08:23	WG1102608
Carbon tetrachloride	U		0.000372	0.00113	1	04/26/2018 08:23	WG1102608
Chlorobenzene	U		0.000240	0.00113	1	04/26/2018 08:23	WG1102608
Chlorodibromomethane	U		0.000423	0.00113	1	04/26/2018 08:23	WG1102608
Chloroethane	U	J0	0.00107	0.00566	1	04/26/2018 08:23	WG1102608
Chloroform	U		0.000259	0.00566	1	04/26/2018 08:23	WG1102608
Chloromethane	U		0.000425	0.00283	1	04/26/2018 08:23	WG1102608
2-Chlorotoluene	U		0.000341	0.00113	1	04/26/2018 08:23	WG1102608
4-Chlorotoluene	U		0.000272	0.00113	1	04/26/2018 08:23	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/26/2018 08:23	WG1102608
1,2-Dibromoethane	U		0.000389	0.00113	1	04/26/2018 08:23	WG1102608
Dibromomethane	U		0.000433	0.00113	1	04/26/2018 08:23	WG1102608
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/26/2018 08:23	WG1102608
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/26/2018 08:23	WG1102608
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/26/2018 08:23	WG1102608
Dichlorodifluoromethane	U		0.000808	0.00566	1	04/26/2018 08:23	WG1102608
1,1-Dichloroethane	U		0.000225	0.00113	1	04/26/2018 08:23	WG1102608
1,2-Dichloroethane	U		0.000300	0.00113	1	04/26/2018 08:23	WG1102608
1,1-Dichloroethene	U		0.000343	0.00113	1	04/26/2018 08:23	WG1102608
cis-1,2-Dichloroethene	0.00227		0.000266	0.00113	1	04/26/2018 08:23	WG1102608
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/26/2018 08:23	WG1102608
1,2-Dichloropropane	U		0.000406	0.00113	1	04/26/2018 08:23	WG1102608
1,1-Dichloropropene	U		0.000359	0.00113	1	04/26/2018 08:23	WG1102608
1,3-Dichloropropane	U		0.000235	0.00113	1	04/26/2018 08:23	WG1102608
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/26/2018 08:23	WG1102608
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/26/2018 08:23	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000881	0.00283	1	04/26/2018 08:23	WG1102608
2,2-Dichloropropane	U		0.000316	0.00113	1	04/26/2018 08:23	WG1102608
Di-isopropyl ether	U		0.000281	0.00113	1	04/26/2018 08:23	WG1102608
Ethylbenzene	U		0.000336	0.00113	1	04/26/2018 08:23	WG1102608
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/26/2018 08:23	WG1102608
2-Hexanone	U		0.00155	0.0113	1	04/26/2018 08:23	WG1102608
n-Hexane	U		0.000329	0.0113	1	04/26/2018 08:23	WG1102608
Iodomethane	U		0.00287	0.0113	1	04/26/2018 08:23	WG1102608
Isopropylbenzene	U		0.000275	0.00113	1	04/26/2018 08:23	WG1102608
p-Isopropyltoluene	U		0.000231	0.00113	1	04/26/2018 08:23	WG1102608
2-Butanone (MEK)	U		0.00530	0.0113	1	04/26/2018 08:23	WG1102608
Methylene Chloride	U		0.00113	0.00566	1	04/26/2018 08:23	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/26/2018 08:23	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/26/2018 08:23	WG1102608
Naphthalene	U		0.00113	0.00566	1	04/26/2018 08:23	WG1102608
n-Propylbenzene	U		0.000233	0.00113	1	04/26/2018 08:23	WG1102608
Styrene	U		0.000265	0.00113	1	04/26/2018 08:23	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/26/2018 08:23	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/26/2018 08:23	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/26/2018 08:23	WG1102608
Tetrachloroethene	0.00552		0.000313	0.00113	1	04/26/2018 08:23	WG1102608
Toluene	U		0.000492	0.00566	1	04/26/2018 08:23	WG1102608
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/26/2018 08:23	WG1102608
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/26/2018 08:23	WG1102608
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/26/2018 08:23	WG1102608
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/26/2018 08:23	WG1102608
Trichloroethene	0.00374		0.000316	0.00113	1	04/26/2018 08:23	WG1102608
Trichlorofluoromethane	U		0.000433	0.00566	1	04/26/2018 08:23	WG1102608
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/26/2018 08:23	WG1102608
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/26/2018 08:23	WG1102608
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/26/2018 08:23	WG1102608
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/26/2018 08:23	WG1102608
Vinyl acetate	U		0.00271	0.0113	1	04/26/2018 08:23	WG1102608
Vinyl chloride	0.00127		0.000330	0.00113	1	04/26/2018 08:23	WG1102608
Xylenes, Total	U		0.000791	0.00340	1	04/26/2018 08:23	WG1102608
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 08:23*	WG1102608
(S) Dibromofluoromethane	*92.9*			*74.0-131*		*04/26/2018 08:23*	WG1102608
(S) 4-Bromofluorobenzene	*91.0*			*64.0-132*		*04/26/2018 08:23*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0117	0.0586	1	04/26/2018 08:44	WG1102608
Acrylonitrile	U		0.00210	0.0117	1	04/26/2018 08:44	WG1102608
Benzene	U		0.000316	0.00117	1	04/26/2018 08:44	WG1102608
Bromobenzene	U		0.000333	0.00117	1	04/26/2018 08:44	WG1102608
Bromodichloromethane	U		0.000298	0.00117	1	04/26/2018 08:44	WG1102608
Bromochloromethane	U		0.000457	0.00586	1	04/26/2018 08:44	WG1102608
Bromoform	U		0.000497	0.00117	1	04/26/2018 08:44	WG1102608
Bromomethane	U	J0	0.00157	0.00586	1	04/26/2018 08:44	WG1102608
n-Butylbenzene	U		0.000302	0.00117	1	04/26/2018 08:44	WG1102608
sec-Butylbenzene	U		0.000236	0.00117	1	04/26/2018 08:44	WG1102608
tert-Butylbenzene	U		0.000241	0.00117	1	04/26/2018 08:44	WG1102608
Carbon disulfide	U		0.000259	0.00117	1	04/26/2018 08:44	WG1102608
Carbon tetrachloride	U		0.000384	0.00117	1	04/26/2018 08:44	WG1102608
Chlorobenzene	U		0.000248	0.00117	1	04/26/2018 08:44	WG1102608
Chlorodibromomethane	U		0.000437	0.00117	1	04/26/2018 08:44	WG1102608
Chloroethane	U	J0	0.00111	0.00586	1	04/26/2018 08:44	WG1102608
Chloroform	U		0.000268	0.00586	1	04/26/2018 08:44	WG1102608
Chloromethane	U		0.000439	0.00293	1	04/26/2018 08:44	WG1102608
2-Chlorotoluene	U		0.000353	0.00117	1	04/26/2018 08:44	WG1102608
4-Chlorotoluene	U		0.000281	0.00117	1	04/26/2018 08:44	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00586	1	04/26/2018 08:44	WG1102608
1,2-Dibromoethane	U		0.000402	0.00117	1	04/26/2018 08:44	WG1102608
Dibromomethane	U		0.000448	0.00117	1	04/26/2018 08:44	WG1102608
1,2-Dichlorobenzene	U		0.000357	0.00117	1	04/26/2018 08:44	WG1102608
1,3-Dichlorobenzene	U		0.000280	0.00117	1	04/26/2018 08:44	WG1102608
1,4-Dichlorobenzene	U		0.000265	0.00117	1	04/26/2018 08:44	WG1102608
Dichlorodifluoromethane	U		0.000835	0.00586	1	04/26/2018 08:44	WG1102608
1,1-Dichloroethane	U		0.000233	0.00117	1	04/26/2018 08:44	WG1102608
1,2-Dichloroethane	U		0.000311	0.00117	1	04/26/2018 08:44	WG1102608
1,1-Dichloroethene	U		0.000355	0.00117	1	04/26/2018 08:44	WG1102608
cis-1,2-Dichloroethene	U		0.000275	0.00117	1	04/26/2018 08:44	WG1102608
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	04/26/2018 08:44	WG1102608
1,2-Dichloropropane	U		0.000419	0.00117	1	04/26/2018 08:44	WG1102608
1,1-Dichloropropene	U		0.000371	0.00117	1	04/26/2018 08:44	WG1102608
1,3-Dichloropropane	U		0.000243	0.00117	1	04/26/2018 08:44	WG1102608
cis-1,3-Dichloropropene	U		0.000307	0.00117	1	04/26/2018 08:44	WG1102608
trans-1,3-Dichloropropene	U		0.000313	0.00117	1	04/26/2018 08:44	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000912	0.00293	1	04/26/2018 08:44	WG1102608
2,2-Dichloropropane	U		0.000327	0.00117	1	04/26/2018 08:44	WG1102608
Di-isopropyl ether	U		0.000291	0.00117	1	04/26/2018 08:44	WG1102608
Ethylbenzene	U		0.000348	0.00117	1	04/26/2018 08:44	WG1102608
Hexachloro-1,3-butadiene	U		0.000401	0.00117	1	04/26/2018 08:44	WG1102608
2-Hexanone	U		0.00161	0.0117	1	04/26/2018 08:44	WG1102608
n-Hexane	U		0.000340	0.0117	1	04/26/2018 08:44	WG1102608
Iodomethane	U		0.00296	0.0117	1	04/26/2018 08:44	WG1102608
Isopropylbenzene	U		0.000285	0.00117	1	04/26/2018 08:44	WG1102608
p-Isopropyltoluene	U		0.000239	0.00117	1	04/26/2018 08:44	WG1102608
2-Butanone (MEK)	U		0.00548	0.0117	1	04/26/2018 08:44	WG1102608
Methylene Chloride	U		0.00117	0.00586	1	04/26/2018 08:44	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	04/26/2018 08:44	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	04/26/2018 08:44	WG1102608
Naphthalene	U		0.00117	0.00586	1	04/26/2018 08:44	WG1102608
n-Propylbenzene	U		0.000241	0.00117	1	04/26/2018 08:44	WG1102608
Styrene	U		0.000274	0.00117	1	04/26/2018 08:44	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	04/26/2018 08:44	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000428	0.00117	1	04/26/2018 08:44	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000428	0.00117	1	04/26/2018 08:44	WG1102608
Tetrachloroethene	U		0.000323	0.00117	1	04/26/2018 08:44	WG1102608
Toluene	U		0.000509	0.00586	1	04/26/2018 08:44	WG1102608
1,2,3-Trichlorobenzene	U		0.000359	0.00117	1	04/26/2018 08:44	WG1102608
1,2,4-Trichlorobenzene	U		0.000455	0.00117	1	04/26/2018 08:44	WG1102608
1,1,1-Trichloroethane	U		0.000335	0.00117	1	04/26/2018 08:44	WG1102608
1,1,2-Trichloroethane	U		0.000325	0.00117	1	04/26/2018 08:44	WG1102608
Trichloroethene	U		0.000327	0.00117	1	04/26/2018 08:44	WG1102608
Trichlorofluoromethane	U		0.000448	0.00586	1	04/26/2018 08:44	WG1102608
1,2,3-Trichloropropane	U		0.000868	0.00293	1	04/26/2018 08:44	WG1102608
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	04/26/2018 08:44	WG1102608
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	04/26/2018 08:44	WG1102608
1,3,5-Trimethylbenzene	U		0.000312	0.00117	1	04/26/2018 08:44	WG1102608
Vinyl acetate	U		0.00280	0.0117	1	04/26/2018 08:44	WG1102608
Vinyl chloride	U		0.000341	0.00117	1	04/26/2018 08:44	WG1102608
Xylenes, Total	U		0.000818	0.00352	1	04/26/2018 08:44	WG1102608
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 08:44*	WG1102608
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*04/26/2018 08:44*	WG1102608
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*04/26/2018 08:44*	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/24/2018 14:33	WG1102311
Acrylonitrile	U		0.873	5.00	1	04/24/2018 14:33	WG1102311
Benzene	U		0.0896	0.500	1	04/24/2018 14:33	WG1102311
Bromobenzene	U		0.133	0.500	1	04/24/2018 14:33	WG1102311
Bromodichloromethane	U		0.0800	0.500	1	04/24/2018 14:33	WG1102311
Bromochloromethane	U		0.145	0.500	1	04/24/2018 14:33	WG1102311
Bromoform	U		0.186	0.500	1	04/24/2018 14:33	WG1102311
Bromomethane	U		0.157	2.50	1	04/24/2018 14:33	WG1102311
n-Butylbenzene	U		0.143	0.500	1	04/24/2018 14:33	WG1102311
sec-Butylbenzene	U		0.134	0.500	1	04/24/2018 14:33	WG1102311
tert-Butylbenzene	U		0.183	0.500	1	04/24/2018 14:33	WG1102311
Carbon disulfide	U		0.101	0.500	1	04/24/2018 14:33	WG1102311
Carbon tetrachloride	U		0.159	0.500	1	04/24/2018 14:33	WG1102311
Chlorobenzene	U		0.140	0.500	1	04/24/2018 14:33	WG1102311
Chlorodibromomethane	U		0.128	0.500	1	04/24/2018 14:33	WG1102311
Chloroethane	U		0.141	2.50	1	04/24/2018 14:33	WG1102311
Chloroform	U		0.0860	0.500	1	04/24/2018 14:33	WG1102311
Chloromethane	U		0.153	1.25	1	04/24/2018 14:33	WG1102311
2-Chlorotoluene	U		0.111	0.500	1	04/24/2018 14:33	WG1102311
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2018 14:33	WG1102311
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2018 14:33	WG1102311
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2018 14:33	WG1102311
Dibromomethane	U		0.117	0.500	1	04/24/2018 14:33	WG1102311
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2018 14:33	WG1102311
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2018 14:33	WG1102311
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2018 14:33	WG1102311
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2018 14:33	WG1102311
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2018 14:33	WG1102311
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2018 14:33	WG1102311
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2018 14:33	WG1102311
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2018 14:33	WG1102311
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2018 14:33	WG1102311
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2018 14:33	WG1102311
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2018 14:33	WG1102311
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2018 14:33	WG1102311
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2018 14:33	WG1102311
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2018 14:33	WG1102311
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	04/24/2018 14:33	WG1102311
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2018 14:33	WG1102311
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2018 14:33	WG1102311
Ethylbenzene	U		0.158	0.500	1	04/24/2018 14:33	WG1102311
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2018 14:33	WG1102311
2-Hexanone	U		0.757	5.00	1	04/24/2018 14:33	WG1102311
n-Hexane	U		0.305	5.00	1	04/24/2018 14:33	WG1102311
Iodomethane	U		0.377	10.0	1	04/24/2018 14:33	WG1102311
Isopropylbenzene	U		0.126	0.500	1	04/24/2018 14:33	WG1102311
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2018 14:33	WG1102311
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2018 14:33	WG1102311
Methylene Chloride	U		1.07	2.50	1	04/24/2018 14:33	WG1102311
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2018 14:33	WG1102311
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2018 14:33	WG1102311
Naphthalene	U		0.174	2.50	1	04/24/2018 14:33	WG1102311
n-Propylbenzene	U		0.162	0.500	1	04/24/2018 14:33	WG1102311
Styrene	U		0.117	0.500	1	04/24/2018 14:33	WG1102311
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2018 14:33	WG1102311
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2018 14:33	WG1102311

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2018 14:33	WG1102311
Tetrachloroethene	U		0.199	0.500	1	04/24/2018 14:33	WG1102311
Toluene	U		0.412	0.500	1	04/24/2018 14:33	WG1102311
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2018 14:33	WG1102311
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2018 14:33	WG1102311
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2018 14:33	WG1102311
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2018 14:33	WG1102311
Trichloroethene	U		0.153	0.500	1	04/24/2018 14:33	WG1102311
Trichlorofluoromethane	U		0.130	2.50	1	04/24/2018 14:33	WG1102311
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2018 14:33	WG1102311
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2018 14:33	WG1102311
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2018 14:33	WG1102311
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2018 14:33	WG1102311
Vinyl acetate	U		0.645	5.00	1	04/24/2018 14:33	WG1102311
Vinyl chloride	U		0.118	0.500	1	04/24/2018 14:33	WG1102311
Xylenes, Total	U		0.316	1.50	1	04/24/2018 14:33	WG1102311
(S) Toluene-d8	*92.5*			*80.0-120*		*04/24/2018 14:33*	WG1102311
(S) Dibromofluoromethane	*112*			*76.0-123*		*04/24/2018 14:33*	WG1102311
(S) 4-Bromofluorobenzene	*99.2*			*80.0-120*		*04/24/2018 14:33*	WG1102311

Method Blank (MB)

(MB) R3304807-1 04/25/18 16:14

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L987906-01 Original Sample (OS) • Duplicate (DUP)

(OS) L987906-01 04/25/18 16:14 • (DUP) R3304807-3 04/25/18 16:14

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	55.5	59.6	1	7.16	J3	5

Laboratory Control Sample (LCS)

(LCS) R3304807-2 04/25/18 16:14

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305194-1 04/26/18 14:36

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L987913-11 Original Sample (OS) • Duplicate (DUP)

(OS) L987913-11 04/26/18 14:36 • (DUP) R3305194-3 04/26/18 14:36

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.0	90.3	1	0.772		5

Laboratory Control Sample (LCS)

(LCS) R3305194-2 04/26/18 14:36

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305183-1 04/26/18 11:29

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L987923-03 Original Sample (OS) • Duplicate (DUP)

(OS) L987923-03 04/26/18 11:29 • (DUP) R3305183-3 04/26/18 11:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.2	91.2	1	1.11		5

Laboratory Control Sample (LCS)

(LCS) R3305183-2 04/26/18 11:29

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3304710-4 04/23/18 12:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3304710-4 04/23/18 12:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*113*			*80.0-120*
(S) Dibromofluoromethane	*86.9*			*74.0-131*
(S) 4-Bromofluorobenzene	*93.1*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304710-1 04/23/18 09:53 • (LCSD) R3304710-2 04/23/18 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0987	0.103	78.9	82.0	11.0-160			3.85	23
Acrylonitrile	0.125	0.117	0.117	93.4	93.7	61.0-143			0.346	20
Benzene	0.0250	0.0227	0.0227	90.6	90.8	71.0-124			0.230	20
Bromobenzene	0.0250	0.0244	0.0241	97.5	96.4	78.0-120			1.09	20
Bromodichloromethane	0.0250	0.0245	0.0250	97.9	100	75.0-120			2.10	20
Bromochloromethane	0.0250	0.0236	0.0239	94.4	95.6	80.0-121			1.25	20
Bromoform	0.0250	0.0259	0.0259	103	103	65.0-133			0.0520	20
Bromomethane	0.0250	0.0194	0.0190	77.7	76.2	26.0-160			1.93	20
n-Butylbenzene	0.0250	0.0259	0.0257	103	103	73.0-126			0.682	20
sec-Butylbenzene	0.0250	0.0257	0.0252	103	101	75.0-121			1.95	20
tert-Butylbenzene	0.0250	0.0264	0.0258	106	103	74.0-122			2.23	20
Carbon disulfide	0.0250	0.0204	0.0206	81.8	82.6	53.0-130			0.965	20
Carbon tetrachloride	0.0250	0.0221	0.0225	88.3	89.8	66.0-123			1.74	20
Chlorobenzene	0.0250	0.0280	0.0269	112	108	79.0-121			4.07	20
Chlorodibromomethane	0.0250	0.0278	0.0267	111	107	74.0-128			3.98	20
Chloroethane	0.0250	0.0194	0.0190	77.5	75.9	51.0-147			2.08	20
Chloroform	0.0250	0.0232	0.0231	93.0	92.6	73.0-123			0.429	20
Chloromethane	0.0250	0.0196	0.0195	78.4	77.9	51.0-138			0.653	20
2-Chlorotoluene	0.0250	0.0258	0.0251	103	100	72.0-124			2.84	20
4-Chlorotoluene	0.0250	0.0247	0.0244	98.9	97.7	78.0-120			1.17	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0251	0.0251	100	100	65.0-126			0.248	20
1,2-Dibromoethane	0.0250	0.0274	0.0264	109	105	78.0-122			3.68	20
Dibromomethane	0.0250	0.0248	0.0242	99.4	96.7	79.0-120			2.68	20
1,2-Dichlorobenzene	0.0250	0.0265	0.0263	106	105	80.0-120			0.788	20
1,3-Dichlorobenzene	0.0250	0.0262	0.0258	105	103	72.0-123			1.63	20
1,4-Dichlorobenzene	0.0250	0.0251	0.0247	100	98.7	77.0-120			1.60	20
trans-1,4-Dichloro-2-butene	0.0250	0.0257	0.0259	103	104	68.0-126			0.540	20
Dichlorodifluoromethane	0.0250	0.0166	0.0163	66.4	65.1	49.0-155			1.95	20
1,1-Dichloroethane	0.0250	0.0238	0.0238	95.2	95.2	70.0-128			0.0587	20
1,2-Dichloroethane	0.0250	0.0230	0.0231	92.2	92.4	69.0-128			0.204	20
1,1-Dichloroethene	0.0250	0.0217	0.0222	86.7	88.6	63.0-131			2.16	20
cis-1,2-Dichloroethene	0.0250	0.0232	0.0232	92.7	93.0	74.0-123			0.264	20
trans-1,2-Dichloroethene	0.0250	0.0229	0.0228	91.8	91.2	72.0-122			0.611	20
1,2-Dichloropropane	0.0250	0.0253	0.0257	101	103	75.0-126			1.29	20
1,1-Dichloropropene	0.0250	0.0229	0.0227	91.6	90.8	72.0-130			0.856	20
1,3-Dichloropropane	0.0250	0.0266	0.0257	106	103	80.0-121			3.11	20
cis-1,3-Dichloropropene	0.0250	0.0274	0.0263	110	105	80.0-125			3.97	20
trans-1,3-Dichloropropene	0.0250	0.0276	0.0267	110	107	75.0-129			3.46	20
2,2-Dichloropropane	0.0250	0.0232	0.0228	92.8	91.2	60.0-129			1.77	20
Di-isopropyl ether	0.0250	0.0238	0.0239	95.3	95.4	62.0-133			0.135	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304710-1 04/23/18 09:53 • (LCSD) R3304710-2 04/23/18 10:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0277	0.0268	111	107	77.0-120			3.29	20
Hexachloro-1,3-butadiene	0.0250	0.0325	0.0316	130	126	68.0-128	J4		3.00	20
2-Hexanone	0.125	0.132	0.130	106	104	61.0-143			1.12	20
n-Hexane	0.0250	0.0198	0.0198	79.1	79.3	57.0-125			0.232	20
Iodomethane	0.125	0.117	0.117	93.6	94.0	67.0-132			0.359	20
Isopropylbenzene	0.0250	0.0254	0.0250	101	100	75.0-120			1.32	20
p-Isopropyltoluene	0.0250	0.0271	0.0266	109	107	74.0-125			1.90	20
2-Butanone (MEK)	0.125	0.111	0.112	88.4	89.4	37.0-159			1.12	20
Methylene Chloride	0.0250	0.0222	0.0221	89.0	88.3	67.0-123			0.799	20
4-Methyl-2-pentanone (MIBK)	0.125	0.138	0.133	110	106	60.0-144			3.86	20
Methyl tert-butyl ether	0.0250	0.0233	0.0234	93.4	93.7	66.0-125			0.380	20
Naphthalene	0.0250	0.0263	0.0257	105	103	64.0-125			2.32	20
n-Propylbenzene	0.0250	0.0254	0.0251	102	101	78.0-120			1.17	20
Styrene	0.0250	0.0250	0.0245	100	98.1	78.0-124			2.00	20
1,1,1,2-Tetrachloroethane	0.0250	0.0288	0.0281	115	112	74.0-124			2.62	20
1,1,2,2-Tetrachloroethane	0.0250	0.0243	0.0240	97.0	95.8	73.0-120			1.25	20
Tetrachloroethene	0.0250	0.0294	0.0289	118	116	70.0-127			1.73	20
Toluene	0.0250	0.0263	0.0253	105	101	77.0-120			3.54	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0220	0.0218	88.1	87.4	64.0-135			0.869	20
1,2,3-Trichlorobenzene	0.0250	0.0289	0.0284	116	113	68.0-126			1.98	20
1,2,4-Trichlorobenzene	0.0250	0.0282	0.0280	113	112	70.0-127			0.457	20
1,1,1-Trichloroethane	0.0250	0.0234	0.0238	93.6	95.2	69.0-125			1.69	20
1,1,2-Trichloroethane	0.0250	0.0266	0.0257	106	103	78.0-120			3.60	20
Trichloroethene	0.0250	0.0268	0.0268	107	107	79.0-120			0.162	20
Trichlorofluoromethane	0.0250	0.0214	0.0216	85.6	86.6	59.0-136			1.09	20
1,2,3-Trichloropropane	0.0250	0.0238	0.0245	95.2	97.8	73.0-124			2.75	20
1,2,3-Trimethylbenzene	0.0250	0.0253	0.0249	101	99.6	76.0-120			1.51	20
1,2,4-Trimethylbenzene	0.0250	0.0253	0.0254	101	101	75.0-120			0.116	20
1,3,5-Trimethylbenzene	0.0250	0.0258	0.0254	103	102	75.0-120			1.65	20
Vinyl acetate	0.125	0.110	0.110	88.3	87.9	58.0-156			0.487	20
Vinyl chloride	0.0250	0.0203	0.0203	81.3	81.1	63.0-134			0.215	20
Xylenes, Total	0.0750	0.0830	0.0816	111	109	77.0-120			1.70	20
(S) Toluene-d8				*112*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*87.4*	*87.9*	*74.0-131*				
(S) 4-Bromofluorobenzene				*89.6*	*91.0*	*64.0-132*				

L987850-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L987850-05 04/23/18 13:32 • (MS) R3304710-5 04/23/18 18:28 • (MSD) R3304710-6 04/23/18 18:49

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.154	ND	0.105	0.101	53.6	50.9	1	10.0-160			4.01	36
Acrylonitrile	0.154	ND	0.116	0.111	75.3	72.0	1	14.0-160			4.50	33
Benzene	0.0309	ND	0.0159	0.0126	51.6	40.8	1	13.0-146			23.3	27
Bromobenzene	0.0309	ND	0.0188	0.0146	60.8	47.2	1	10.0-149			25.3	33
Bromodichloromethane	0.0309	ND	0.0209	0.0173	67.5	56.2	1	15.0-142			18.4	28
Bromochloromethane	0.0309	ND	0.0173	0.0145	56.2	47.0	1	24.0-146			17.8	27
Bromoform	0.0309	ND	0.0238	0.0213	77.2	69.1	1	10.0-147			11.1	31
Bromomethane	0.0309	ND	0.00851	0.00659	27.6	21.3	1	10.0-160			25.5	32
n-Butylbenzene	0.0309	ND	0.0209	0.0156	64.4	47.3	1	10.0-154			29.0	37
sec-Butylbenzene	0.0309	ND	0.0210	0.0155	68.2	50.4	1	10.0-151			30.1	36
tert-Butylbenzene	0.0309	ND	0.0216	0.0161	69.9	52.1	1	10.0-152			29.3	35
Carbon disulfide	0.0309	ND	0.00339	0.00267	11.0	8.63	1	10.0-141		J6	23.9	30
Carbon tetrachloride	0.0309	ND	0.0155	0.0114	50.1	36.9	1	13.0-140		J3	30.3	30
Chlorobenzene	0.0309	ND	0.0196	0.0156	63.5	50.5	1	10.0-149			22.9	31
Chlorodibromomethane	0.0309	ND	0.0228	0.0198	73.9	64.2	1	12.0-147			14.1	29
Chloroethane	0.0309	ND	0.00969	0.00728	31.4	23.6	1	10.0-159			28.4	33
Chloroform	0.0309	ND	0.0188	0.0149	60.7	48.3	1	18.0-148			22.9	28
Chloromethane	0.0309	ND	0.00840	0.00621	27.2	20.1	1	10.0-146		J3	30.0	29
2-Chlorotoluene	0.0309	ND	0.0197	0.0147	63.8	47.7	1	10.0-151			28.9	35
4-Chlorotoluene	0.0309	ND	0.0180	0.0141	58.2	45.7	1	10.0-150			24.0	35
1,2-Dibromo-3-Chloropropane	0.0309	ND	0.0275	0.0269	89.1	87.1	1	10.0-149			2.18	34
1,2-Dibromoethane	0.0309	ND	0.0217	0.0192	70.2	62.3	1	14.0-145			12.0	28
Dibromomethane	0.0309	ND	0.0194	0.0175	63.0	56.7	1	18.0-144			10.4	27
1,2-Dichlorobenzene	0.0309	ND	0.0200	0.0162	64.8	52.6	1	10.0-153			20.8	34
1,3-Dichlorobenzene	0.0309	ND	0.0194	0.0152	63.0	49.2	1	10.0-150			24.5	35
1,4-Dichlorobenzene	0.0309	ND	0.0188	0.0149	60.8	48.2	1	10.0-148			23.1	34
trans-1,4-Dichloro-2-butene	0.0309	ND	0.0245	0.0225	79.3	72.7	1	10.0-160			8.63	40
Dichlorodifluoromethane	0.0309	ND	0.0121	0.00869	39.2	28.1	1	10.0-160		J3	33.0	30
1,1-Dichloroethane	0.0309	ND	0.0179	0.0139	58.0	45.1	1	19.0-148			25.0	28
1,2-Dichloroethane	0.0309	ND	0.0183	0.0159	59.1	51.4	1	17.0-147			14.0	27
1,1-Dichloroethene	0.0309	ND	0.0118	0.00894	38.2	29.0	1	10.0-150			27.5	31
cis-1,2-Dichloroethene	0.0309	ND	0.0175	0.0134	56.7	43.3	1	16.0-145			26.8	28
trans-1,2-Dichloroethene	0.0309	ND	0.0109	0.00882	35.5	28.6	1	11.0-142			21.6	29
1,2-Dichloropropane	0.0309	ND	0.0207	0.0173	67.1	56.0	1	17.0-148			18.1	28
1,1-Dichloropropene	0.0309	ND	0.0128	0.00933	41.4	30.2	1	10.0-150		J3	31.3	30
1,3-Dichloropropane	0.0309	ND	0.0214	0.0183	69.4	59.3	1	16.0-148			15.8	27
cis-1,3-Dichloropropene	0.0309	ND	0.0190	0.0155	61.7	50.3	1	13.0-150			20.4	28
trans-1,3-Dichloropropene	0.0309	ND	0.0205	0.0176	66.5	57.1	1	10.0-152			15.3	29
2,2-Dichloropropane	0.0309	ND	0.0173	0.0137	56.0	44.3	1	16.0-143			23.3	30

L987850-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L987850-05 04/23/18 13:32 • (MS) R3304710-5 04/23/18 18:28 • (MSD) R3304710-6 04/23/18 18:49

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0309	ND	0.0211	0.0168	68.3	54.5	1	16.0-149			22.4	28
Ethylbenzene	0.0309	ND	0.0207	0.0158	67.2	51.2	1	10.0-147			27.0	31
Hexachloro-1,3-butadiene	0.0309	ND	0.0261	0.0203	84.6	65.8	1	10.0-154			25.1	40
2-Hexanone	0.154	ND	0.147	0.145	95.3	93.8	1	12.0-158			1.62	30
n-Hexane	0.0309	ND	0.0117	0.0101	38.0	32.8	1	10.0-140			14.6	34
Iodomethane	0.154	ND	0.0596	0.0470	38.6	30.5	1	10.0-157			23.7	34
Isopropylbenzene	0.0309	ND	0.0200	0.0147	64.8	47.7	1	10.0-147			30.3	33
p-Isopropyltoluene	0.0309	ND	0.0217	0.0162	70.1	52.4	1	10.0-156			29.0	37
2-Butanone (MEK)	0.154	ND	0.132	0.127	85.8	82.2	1	10.0-160			4.20	33
Methylene Chloride	0.0309	ND	0.0145	0.0124	47.1	40.2	1	16.0-139			15.9	29
4-Methyl-2-pentanone (MIBK)	0.154	ND	0.158	0.154	103	99.5	1	12.0-160			3.05	32
Methyl tert-butyl ether	0.0309	ND	0.0230	0.0198	74.5	64.2	1	21.0-145			14.8	29
Naphthalene	0.0309	0.0124	0.0174	0.0160	16.1	11.6	1	10.0-153			8.21	36
n-Propylbenzene	0.0309	ND	0.0197	0.0146	63.7	47.4	1	10.0-151			29.4	34
Styrene	0.0309	ND	0.00416	0.00395	13.5	12.8	1	10.0-155			5.12	34
1,1,1,2-Tetrachloroethane	0.0309	ND	0.0230	0.0191	74.4	62.0	1	10.0-147			18.1	30
1,1,2,2-Tetrachloroethane	0.0309	ND	0.0259	0.0236	83.8	76.5	1	10.0-155			9.05	31
Tetrachloroethene	0.0309	ND	0.0169	0.0122	54.6	39.6	1	10.0-144			31.9	32
Toluene	0.0309	ND	0.0202	0.0160	65.3	52.0	1	10.0-144			22.7	28
1,1,2-Trichlorotrifluoroethane	0.0309	ND	0.0163	0.0125	52.6	40.5	1	10.0-153			26.2	33
1,2,3-Trichlorobenzene	0.0309	ND	0.0167	0.0147	54.1	47.7	1	10.0-153			12.5	40
1,2,4-Trichlorobenzene	0.0309	ND	0.0164	0.0136	53.0	44.2	1	10.0-156			18.1	40
1,1,1-Trichloroethane	0.0309	ND	0.0178	0.0132	57.7	42.8	1	18.0-145		J3	29.7	29
1,1,2-Trichloroethane	0.0309	ND	0.0237	0.0208	76.8	67.3	1	12.0-151			13.3	28
Trichloroethene	0.0309	ND	0.0180	0.0134	58.2	43.6	1	11.0-148			28.8	29
Trichlorofluoromethane	0.0309	ND	0.0131	0.00986	42.5	31.9	1	10.0-157			28.4	34
1,2,3-Trichloropropane	0.0309	ND	0.0246	0.0234	79.8	75.9	1	10.0-154			4.98	32
1,2,3-Trimethylbenzene	0.0309	0.00148	0.0203	0.0159	60.9	46.5	1	10.0-150			24.6	33
1,2,4-Trimethylbenzene	0.0309	ND	0.0203	0.0157	62.5	47.6	1	10.0-151			25.4	34
1,3,5-Trimethylbenzene	0.0309	ND	0.0201	0.0151	65.1	49.0	1	10.0-150			28.1	33
Vinyl acetate	0.154	ND	0.0647	0.0566	41.9	36.7	1	10.0-160			13.5	40
Vinyl chloride	0.0309	ND	0.00889	0.00703	28.8	22.8	1	10.0-150			23.3	29
Xylenes, Total	0.0926	ND	0.0611	0.0475	66.0	51.3	1	10.0-150			25.0	31
(S) Toluene-d8					*103*	*103*		*80.0-120*				
(S) Dibromofluoromethane					*94.0*	*95.0*		*74.0-131*				
(S) 4-Bromofluorobenzene					*89.8*	*89.0*		*64.0-132*				

Method Blank (MB)

(MB) R3304779-3 04/26/18 01:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3304779-3 04/26/18 01:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*84.8*			*74.0-131*
(S) 4-Bromofluorobenzene	*93.0*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304779-1 04/26/18 00:30 • (LCSD) R3304779-2 04/26/18 00:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.181	0.155	145	124	11.0-160			15.2	23
Acrylonitrile	0.125	0.129	0.113	104	90.0	61.0-143			14.0	20
Benzene	0.0250	0.0212	0.0207	84.7	82.7	71.0-124			2.39	20
Bromobenzene	0.0250	0.0221	0.0232	88.4	92.7	78.0-120			4.84	20
Bromodichloromethane	0.0250	0.0259	0.0254	103	102	75.0-120			1.66	20
Bromochloromethane	0.0250	0.0246	0.0224	98.5	89.8	80.0-121			9.29	20
Bromoform	0.0250	0.0272	0.0273	109	109	65.0-133			0.273	20
Bromomethane	0.0250	0.0184	0.0172	73.5	68.7	26.0-160			6.70	20
n-Butylbenzene	0.0250	0.0217	0.0228	86.8	91.3	73.0-126			5.01	20
sec-Butylbenzene	0.0250	0.0229	0.0238	91.7	95.3	75.0-121			3.90	20
tert-Butylbenzene	0.0250	0.0239	0.0250	95.4	99.8	74.0-122			4.47	20
Carbon disulfide	0.0250	0.0214	0.0202	85.7	80.8	53.0-130			5.84	20
Carbon tetrachloride	0.0250	0.0220	0.0210	88.1	84.0	66.0-123			4.75	20
Chlorobenzene	0.0250	0.0252	0.0258	101	103	79.0-121			2.47	20
Chlorodibromomethane	0.0250	0.0279	0.0278	111	111	74.0-128			0.122	20
Chloroethane	0.0250	0.0185	0.0172	74.1	68.8	51.0-147			7.35	20
Chloroform	0.0250	0.0227	0.0212	90.7	84.9	73.0-123			6.59	20
Chloromethane	0.0250	0.0225	0.0211	89.8	84.6	51.0-138			5.97	20
2-Chlorotoluene	0.0250	0.0225	0.0239	89.9	95.6	72.0-124			6.22	20
4-Chlorotoluene	0.0250	0.0219	0.0227	87.4	90.9	78.0-120			3.93	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0283	0.0257	113	103	65.0-126			9.81	20
1,2-Dibromoethane	0.0250	0.0274	0.0271	110	109	78.0-122			0.945	20
Dibromomethane	0.0250	0.0263	0.0258	105	103	79.0-120			1.85	20
1,2-Dichlorobenzene	0.0250	0.0245	0.0253	98.2	101	80.0-120			2.86	20
1,3-Dichlorobenzene	0.0250	0.0231	0.0245	92.5	98.0	72.0-123			5.77	20
1,4-Dichlorobenzene	0.0250	0.0223	0.0233	89.3	93.2	77.0-120			4.29	20
trans-1,4-Dichloro-2-butene	0.0250	0.0306	0.0296	122	118	68.0-126			3.15	20
Dichlorodifluoromethane	0.0250	0.0257	0.0234	103	93.8	49.0-155			9.19	20
1,1-Dichloroethane	0.0250	0.0225	0.0213	90.1	85.3	70.0-128			5.45	20
1,2-Dichloroethane	0.0250	0.0239	0.0231	95.7	92.3	69.0-128			3.67	20
1,1-Dichloroethene	0.0250	0.0221	0.0205	88.3	82.2	63.0-131			7.26	20
cis-1,2-Dichloroethene	0.0250	0.0223	0.0210	89.1	84.1	74.0-123			5.75	20
trans-1,2-Dichloroethene	0.0250	0.0220	0.0207	88.1	82.6	72.0-122			6.45	20
1,2-Dichloropropane	0.0250	0.0248	0.0249	99.4	99.8	75.0-126			0.403	20
1,1-Dichloropropene	0.0250	0.0213	0.0206	85.4	82.6	72.0-130			3.38	20
1,3-Dichloropropane	0.0250	0.0255	0.0267	102	107	80.0-121			4.33	20
cis-1,3-Dichloropropene	0.0250	0.0247	0.0263	98.9	105	80.0-125			6.26	20
trans-1,3-Dichloropropene	0.0250	0.0261	0.0267	104	107	75.0-129			2.24	20
2,2-Dichloropropane	0.0250	0.0221	0.0210	88.4	83.9	60.0-129			5.22	20
Di-isopropyl ether	0.0250	0.0233	0.0216	93.2	86.6	62.0-133			7.34	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304779-1 04/26/18 00:30 • (LCSD) R3304779-2 04/26/18 00:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0253	0.0260	101	104	77.0-120			2.96	20
Hexachloro-1,3-butadiene	0.0250	0.0293	0.0308	117	123	68.0-128			5.03	20
2-Hexanone	0.125	0.169	0.149	135	119	61.0-143			12.2	20
n-Hexane	0.0250	0.0221	0.0219	88.3	87.7	57.0-125			0.737	20
Iodomethane	0.125	0.121	0.112	97.1	89.7	67.0-132			7.85	20
Isopropylbenzene	0.0250	0.0227	0.0244	90.9	97.5	75.0-120			6.94	20
p-Isopropyltoluene	0.0250	0.0229	0.0244	91.8	97.5	74.0-125			6.11	20
2-Butanone (MEK)	0.125	0.165	0.147	132	117	37.0-159			11.7	20
Methylene Chloride	0.0250	0.0227	0.0212	91.0	84.7	67.0-123			7.21	20
4-Methyl-2-pentanone (MIBK)	0.125	0.158	0.140	126	112	60.0-144			11.6	20
Methyl tert-butyl ether	0.0250	0.0254	0.0223	101	89.2	66.0-125			12.8	20
Naphthalene	0.0250	0.0267	0.0258	107	103	64.0-125			3.20	20
n-Propylbenzene	0.0250	0.0220	0.0230	88.2	92.1	78.0-120			4.36	20
Styrene	0.0250	0.0239	0.0256	95.5	103	78.0-124			7.09	20
1,1,1,2-Tetrachloroethane	0.0250	0.0279	0.0275	112	110	74.0-124			1.28	20
1,1,2,2-Tetrachloroethane	0.0250	0.0240	0.0236	95.9	94.3	73.0-120			1.68	20
Tetrachloroethene	0.0250	0.0260	0.0275	104	110	70.0-127			5.50	20
Toluene	0.0250	0.0237	0.0249	94.9	99.6	77.0-120			4.80	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0232	0.0218	92.7	87.1	64.0-135			6.24	20
1,2,3-Trichlorobenzene	0.0250	0.0268	0.0275	107	110	68.0-126			2.49	20
1,2,4-Trichlorobenzene	0.0250	0.0248	0.0257	99.3	103	70.0-127			3.39	20
1,1,1-Trichloroethane	0.0250	0.0230	0.0218	92.1	87.2	69.0-125			5.49	20
1,1,2-Trichloroethane	0.0250	0.0258	0.0259	103	104	78.0-120			0.480	20
Trichloroethene	0.0250	0.0255	0.0259	102	103	79.0-120			1.42	20
Trichlorofluoromethane	0.0250	0.0231	0.0220	92.3	87.8	59.0-136			4.96	20
1,2,3-Trichloropropane	0.0250	0.0250	0.0246	99.9	98.4	73.0-124			1.55	20
1,2,3-Trimethylbenzene	0.0250	0.0230	0.0241	92.1	96.2	76.0-120			4.36	20
1,2,4-Trimethylbenzene	0.0250	0.0229	0.0240	91.5	95.9	75.0-120			4.63	20
1,3,5-Trimethylbenzene	0.0250	0.0228	0.0242	91.1	96.9	75.0-120			6.19	20
Vinyl acetate	0.125	0.117	0.113	93.6	90.3	58.0-156			3.62	20
Vinyl chloride	0.0250	0.0219	0.0207	87.5	83.0	63.0-134			5.34	20
Xylenes, Total	0.0750	0.0770	0.0779	103	104	77.0-120			1.16	20
(S) Toluene-d8				*109*	*110*	*80.0-120*				
(S) Dibromofluoromethane				*90.6*	*83.5*	*74.0-131*				
(S) 4-Bromofluorobenzene				*90.5*	*91.8*	*64.0-132*				

Method Blank (MB)

(MB) R3305745-3 04/24/18 11:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,2-Dichloroethene	U		0.0933	0.500
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3305745-3 04/24/18 11:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Methyl tert-butyl ether	U		0.102	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
Naphthalene	U		0.174	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Toluene	U		0.412	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*96.7*			*80.0-120*
(S) Dibromofluoromethane	*114*			*76.0-123*
(S) 4-Bromofluorobenzene	*98.3*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3305745-1 04/24/18 10:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	105	83.9	10.0-160	
Acrylonitrile	125	134	107	60.0-142	
Bromobenzene	25.0	22.5	90.0	79.0-120	
Bromodichloromethane	25.0	22.7	90.8	76.0-120	
Bromochloromethane	25.0	25.7	103	76.0-122	
Bromoform	25.0	21.4	85.7	67.0-132	
Bromomethane	25.0	31.6	126	18.0-160	
n-Butylbenzene	25.0	27.6	111	72.0-126	
sec-Butylbenzene	25.0	24.8	99.2	74.0-121	
tert-Butylbenzene	25.0	23.1	92.6	75.0-122	
Carbon disulfide	25.0	25.1	100	55.0-127	
Carbon tetrachloride	25.0	25.6	102	63.0-122	
Chlorobenzene	25.0	22.3	89.3	79.0-121	
Chlorodibromomethane	25.0	22.6	90.5	75.0-125	
Chloroethane	25.0	27.7	111	47.0-152	
Chloroform	25.0	24.3	97.4	72.0-121	
Chloromethane	25.0	28.5	114	48.0-139	
2-Chlorotoluene	25.0	24.4	97.6	74.0-122	
4-Chlorotoluene	25.0	23.5	93.9	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	22.0	88.1	64.0-127	
1,2-Dibromoethane	25.0	22.7	90.7	77.0-123	
Dibromomethane	25.0	25.3	101	78.0-120	
1,2-Dichlorobenzene	25.0	25.7	103	80.0-120	
1,3-Dichlorobenzene	25.0	23.3	93.3	72.0-123	
1,4-Dichlorobenzene	25.0	25.0	100	77.0-120	
Dichlorodifluoromethane	25.0	28.7	115	49.0-155	
1,1-Dichloroethane	25.0	27.8	111	70.0-126	
1,2-Dichloroethane	25.0	26.9	107	67.0-126	
1,1-Dichloroethene	25.0	23.7	94.9	64.0-129	
1,2-Dichloropropane	25.0	25.1	100	75.0-125	
1,1-Dichloropropene	25.0	28.6	114	71.0-129	
1,3-Dichloropropane	25.0	24.2	96.9	80.0-121	
cis-1,3-Dichloropropene	25.0	23.8	95.2	79.0-123	
trans-1,3-Dichloropropene	25.0	23.9	95.6	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	11.5	46.1	55.0-134	J4
2,2-Dichloropropane	25.0	28.6	114	60.0-125	
Benzene	25.0	26.3	105	69.0-123	
Di-isopropyl ether	25.0	27.5	110	59.0-133	
Hexachloro-1,3-butadiene	25.0	21.2	85.0	64.0-131	
2-Hexanone	125	112	89.9	58.0-147	

Laboratory Control Sample (LCS)

(LCS) R3305745-1 04/24/18 10:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
n-Hexane	25.0	26.4	106	56.0-124	
Iodomethane	125	124	98.9	57.0-140	
Isopropylbenzene	25.0	24.3	97.0	75.0-120	
p-Isopropyltoluene	25.0	23.4	93.5	74.0-126	
2-Butanone (MEK)	125	130	104	37.0-158	
Methylene Chloride	25.0	24.5	98.2	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	120	95.7	59.0-143	
n-Propylbenzene	25.0	24.3	97.2	79.0-120	
Styrene	25.0	21.9	87.6	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	22.1	88.6	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	21.8	87.2	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	29.6	118	61.0-136	
Tetrachloroethene	25.0	21.9	87.6	70.0-127	
1,2,3-Trichlorobenzene	25.0	23.2	92.7	61.0-133	
1,2,4-Trichlorobenzene	25.0	23.3	93.3	69.0-129	
1,1,1-Trichloroethane	25.0	25.8	103	68.0-122	
1,1,2-Trichloroethane	25.0	21.0	84.0	78.0-120	
Trichloroethene	25.0	23.3	93.3	78.0-120	
Trichlorofluoromethane	25.0	31.4	126	56.0-137	
1,2,3-Trichloropropane	25.0	21.9	87.6	72.0-124	
1,2,4-Trimethylbenzene	25.0	23.3	93.1	75.0-120	
1,2,3-Trimethylbenzene	25.0	27.3	109	75.0-120	
1,3,5-Trimethylbenzene	25.0	23.8	95.2	75.0-120	
Vinyl acetate	125	159	127	46.0-160	
cis-1,2-Dichloroethene	25.0	23.9	95.8	73.0-120	
Vinyl chloride	25.0	29.0	116	64.0-133	
trans-1,2-Dichloroethene	25.0	25.1	101	71.0-121	
Ethylbenzene	25.0	22.6	90.2	77.0-120	
Methyl tert-butyl ether	25.0	25.7	103	64.0-123	
Naphthalene	25.0	23.8	95.2	62.0-128	
Toluene	25.0	23.1	92.2	77.0-120	
Xylenes, Total	75.0	68.8	91.7	77.0-120	
(S) Toluene-d8			*95.0*	*80.0-120*	
(S) Dibromofluoromethane			*110*	*76.0-123*	
(S) 4-Bromofluorobenzene			*95.3*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

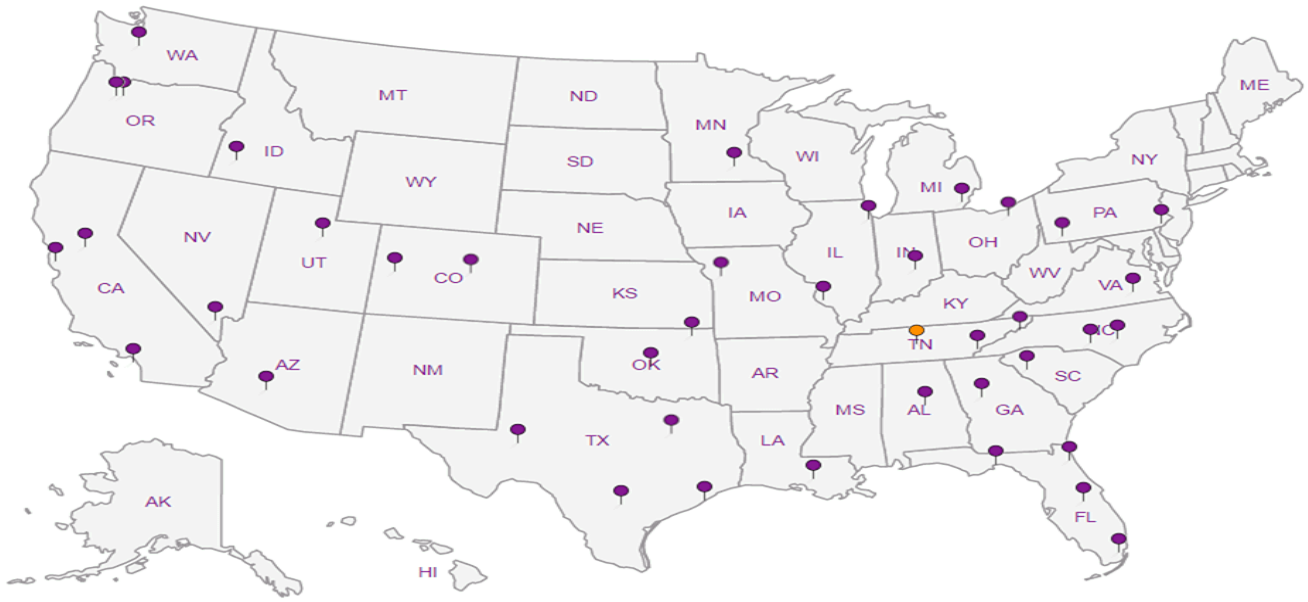
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
a subsidiary of Pace

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

L# 987913

Table # F187

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R.T. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres									Remarks	Sample # (lab only)
IW-11D-10	Grab	SS	10	4/19/18	0855	5	X	X										-01
IW-11D-15	|	SS	15	|	0857	|	|	|										-02
IW-11D-20	|	SS	20	|	0906	|	|	|										-03
IW-11D-25	|	SS	25	|	0916	|	|	|										-04
IW-11D-30	|	SS	30	|	0930	|	|	|										-05
IW-11D-35	|	SS	35	|	0935	|	|	|										-06
IW-11D-40	|	SS	40	|	0945	|	|	|										-07
IW-11D-45	|	SS	45	|	0955	|	|	|										-08
IW-11D-50	|	SS	50	|	1005	|	|	|										-09
IW-11D-55	|	SS	55	|	1020	|	|	|										-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS X FedEx __ Courier ______

Tracking # 4269 7216 3151

Sample Receipt Checklist
COC Seal Present/Intact: _NP X Y _N
COC Signed/Accurate: X Y _N
Bottles arrive intact: X Y _N
Correct bottles used: X Y _N
Sufficient volume sent: X Y _N
If Applicable
VOA Zero Headspace: _Y _N
Preservation Correct/Checked: _Y _N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR
R.T. McLaughlin	4/20/18			

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.1 °C	Bottles Received: 90	If preservation required by Login: Date/Time

Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	Hold:	Condition: NCF / OK
			[signature] 826	4/21/18	0845		OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: SEATTLE WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R.T. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
IW-11D-60	Grab	SS	60	4/19/18	1030	5	X	X		-11
IW-11D-65		SS	65		1045					-12
IW-11D-70		SS	70		1100					-13
IW-11D-75		SS	75		1110					-14
IW-11D-80		SS	80		1120					-15
IW-11D-85		SS	85		1140					-16
IW-11D-90		SS	90		1150					-17
IW-11D-95		SS	95	"	1200					-18
TRIP BLANK		SS	—	12-11-17	—	1	X			-19
		SS								-14

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 987913

Table #

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
R.T. McLaughlin	4/20/18			X
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.1 °C Bottles Received: 90
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/21/18 Time: 0840

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.4		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0415 J	J J0	0.0138	0.0690	1	04/23/2018 13:53	WG1101837
Acrylonitrile	U		0.00247	0.0138	1	04/23/2018 13:53	WG1101837
Benzene	0.00456		0.000373	0.00138	1	04/23/2018 13:53	WG1101837
Bromobenzene	U		0.000392	0.00138	1	04/23/2018 13:53	WG1101837
Bromodichloromethane	U		0.000351	0.00138	1	04/23/2018 13:53	WG1101837
Bromochloromethane	U		0.000538	0.00690	1	04/23/2018 13:53	WG1101837
Bromoform	U		0.000585	0.00138	1	04/23/2018 13:53	WG1101837
Bromomethane	U UJ	J0	0.00185	0.00690	1	04/23/2018 13:53	WG1101837
n-Butylbenzene	U		0.000356	0.00138	1	04/23/2018 13:53	WG1101837
sec-Butylbenzene	U		0.000277	0.00138	1	04/23/2018 13:53	WG1101837
tert-Butylbenzene	U		0.000284	0.00138	1	04/23/2018 13:53	WG1101837
Carbon disulfide	0.00291		0.000305	0.00138	1	04/23/2018 13:53	WG1101837
Carbon tetrachloride	U		0.000453	0.00138	1	04/23/2018 13:53	WG1101837
Chlorobenzene	U		0.000293	0.00138	1	04/23/2018 13:53	WG1101837
Chlorodibromomethane	U		0.000515	0.00138	1	04/23/2018 13:53	WG1101837
Chloroethane	U UJ	J0	0.00131	0.00690	1	04/23/2018 13:53	WG1101837
Chloroform	U		0.000316	0.00690	1	04/23/2018 13:53	WG1101837
Chloromethane	U UJ	J0	0.000518	0.00345	1	04/23/2018 13:53	WG1101837
2-Chlorotoluene	U		0.000416	0.00138	1	04/23/2018 13:53	WG1101837
4-Chlorotoluene	U		0.000331	0.00138	1	04/23/2018 13:53	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00145	0.00690	1	04/23/2018 13:53	WG1101837
1,2-Dibromoethane	U		0.000474	0.00138	1	04/23/2018 13:53	WG1101837
Dibromomethane	U		0.000527	0.00138	1	04/23/2018 13:53	WG1101837
1,2-Dichlorobenzene	U		0.000421	0.00138	1	04/23/2018 13:53	WG1101837
1,3-Dichlorobenzene	U		0.000330	0.00138	1	04/23/2018 13:53	WG1101837
1,4-Dichlorobenzene	U		0.000312	0.00138	1	04/23/2018 13:53	WG1101837
Dichlorodifluoromethane	U UJ	J0	0.000984	0.00690	1	04/23/2018 13:53	WG1101837
1,1-Dichloroethane	U		0.000275	0.00138	1	04/23/2018 13:53	WG1101837
1,2-Dichloroethane	U		0.000366	0.00138	1	04/23/2018 13:53	WG1101837
1,1-Dichloroethene	U		0.000418	0.00138	1	04/23/2018 13:53	WG1101837
cis-1,2-Dichloroethene	0.000329 J	J	0.000324	0.00138	1	04/23/2018 13:53	WG1101837
trans-1,2-Dichloroethene	U		0.000364	0.00138	1	04/23/2018 13:53	WG1101837
1,2-Dichloropropane	U		0.000494	0.00138	1	04/23/2018 13:53	WG1101837
1,1-Dichloropropene	U		0.000438	0.00138	1	04/23/2018 13:53	WG1101837
1,3-Dichloropropane	U		0.000286	0.00138	1	04/23/2018 13:53	WG1101837
cis-1,3-Dichloropropene	U		0.000362	0.00138	1	04/23/2018 13:53	WG1101837
trans-1,3-Dichloropropene	U		0.000369	0.00138	1	04/23/2018 13:53	WG1101837
trans-1,4-Dichloro-2-butene	U		0.00107	0.00345	1	04/23/2018 13:53	WG1101837
2,2-Dichloropropane	U		0.000385	0.00138	1	04/23/2018 13:53	WG1101837
Di-isopropyl ether	U		0.000342	0.00138	1	04/23/2018 13:53	WG1101837
Ethylbenzene	0.000463 J	J	0.000410	0.00138	1	04/23/2018 13:53	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000472	0.00138	1	04/23/2018 13:53	WG1101837
2-Hexanone	U		0.00189	0.0138	1	04/23/2018 13:53	WG1101837
n-Hexane	0.000557 J	J	0.000400	0.0138	1	04/23/2018 13:53	WG1101837
Iodomethane	U		0.00349	0.0138	1	04/23/2018 13:53	WG1101837
Isopropylbenzene	U		0.000335	0.00138	1	04/23/2018 13:53	WG1101837
p-Isopropyltoluene	U		0.000282	0.00138	1	04/23/2018 13:53	WG1101837
2-Butanone (MEK)	0.0120 J	J	0.00646	0.0138	1	04/23/2018 13:53	WG1101837
Methylene Chloride	U		0.00138	0.00690	1	04/23/2018 13:53	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00260	0.0138	1	04/23/2018 13:53	WG1101837

JC 5/13/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000293	0.00138	1	04/23/2018 13:53	WG1101837
Naphthalene	U		0.00138	0.00690	1	04/23/2018 13:53	WG1101837
n-Propylbenzene	U		0.000284	0.00138	1	04/23/2018 13:53	WG1101837
Styrene	U		0.000323	0.00138	1	04/23/2018 13:53	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000364	0.00138	1	04/23/2018 13:53	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000504	0.00138	1	04/23/2018 13:53	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000504	0.00138	1	04/23/2018 13:53	WG1101837
Tetrachloroethene	0.00183		0.000381	0.00138	1	04/23/2018 13:53	WG1101837
Toluene	0.00223	J J	0.000599	0.00690	1	04/23/2018 13:53	WG1101837
1,2,3-Trichlorobenzene	U		0.000422	0.00138	1	04/23/2018 13:53	WG1101837
1,2,4-Trichlorobenzene	U		0.000536	0.00138	1	04/23/2018 13:53	WG1101837
1,1,1-Trichloroethane	U		0.000395	0.00138	1	04/23/2018 13:53	WG1101837
1,1,2-Trichloroethane	U		0.000382	0.00138	1	04/23/2018 13:53	WG1101837
Trichloroethene	U		0.000385	0.00138	1	04/23/2018 13:53	WG1101837
Trichlorofluoromethane	U		0.000527	0.00690	1	04/23/2018 13:53	WG1101837
1,2,3-Trichloropropane	U		0.00102	0.00345	1	04/23/2018 13:53	WG1101837
1,2,4-Trimethylbenzene	U		0.000291	0.00138	1	04/23/2018 13:53	WG1101837
1,2,3-Trimethylbenzene	U		0.000396	0.00138	1	04/23/2018 13:53	WG1101837
1,3,5-Trimethylbenzene	U		0.000367	0.00138	1	04/23/2018 13:53	WG1101837
Vinyl acetate	U		0.00330	0.0138	1	04/23/2018 13:53	WG1101837
Vinyl chloride	U		0.000402	0.00138	1	04/23/2018 13:53	WG1101837
Xylenes, Total	U		0.000964	0.00414	1	04/23/2018 13:53	WG1101837
(S) Toluene-d8	*104*			*80.0-120*		*04/23/2018 13:53*	WG1101837
(S) Dibromofluoromethane	*88.4*			*74.0-131*		*04/23/2018 13:53*	WG1101837
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*04/23/2018 13:53*	WG1101837

JC 5/13/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0116	0.0580	1	04/26/2018 02:22	WG1101837
Acrylonitrile	U		0.00207	0.0116	1	04/26/2018 02:22	WG1101837
Benzene	U		0.000313	0.00116	1	04/26/2018 02:22	WG1101837
Bromobenzene	U		0.000329	0.00116	1	04/26/2018 02:22	WG1101837
Bromodichloromethane	U		0.000294	0.00116	1	04/26/2018 02:22	WG1101837
Bromochloromethane	U		0.000452	0.00580	1	04/26/2018 02:22	WG1101837
Bromoform	U		0.000491	0.00116	1	04/26/2018 02:22	WG1101837
Bromomethane	U UJ	J0	0.00155	0.00580	1	04/26/2018 02:22	WG1101837
n-Butylbenzene	U		0.000299	0.00116	1	04/26/2018 02:22	WG1101837
sec-Butylbenzene	U		0.000233	0.00116	1	04/26/2018 02:22	WG1101837
tert-Butylbenzene	U		0.000239	0.00116	1	04/26/2018 02:22	WG1101837
Carbon disulfide	0.000575 J	J	0.000256	0.00116	1	04/26/2018 02:22	WG1101837
Carbon tetrachloride	U		0.000380	0.00116	1	04/26/2018 02:22	WG1101837
Chlorobenzene	U		0.000246	0.00116	1	04/26/2018 02:22	WG1101837
Chlorodibromomethane	U		0.000432	0.00116	1	04/26/2018 02:22	WG1101837
Chloroethane	U UJ	J0	0.00110	0.00580	1	04/26/2018 02:22	WG1101837
Chloroform	U		0.000265	0.00580	1	04/26/2018 02:22	WG1101837
Chloromethane	U		0.000435	0.00290	1	04/26/2018 02:22	WG1101837
2-Chlorotoluene	U		0.000349	0.00116	1	04/26/2018 02:22	WG1101837
4-Chlorotoluene	U		0.000278	0.00116	1	04/26/2018 02:22	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	04/26/2018 02:22	WG1101837
1,2-Dibromoethane	U		0.000398	0.00116	1	04/26/2018 02:22	WG1101837
Dibromomethane	U		0.000443	0.00116	1	04/26/2018 02:22	WG1101837
1,2-Dichlorobenzene	U		0.000354	0.00116	1	04/26/2018 02:22	WG1101837
1,3-Dichlorobenzene	U		0.000277	0.00116	1	04/26/2018 02:22	WG1101837
1,4-Dichlorobenzene	U		0.000262	0.00116	1	04/26/2018 02:22	WG1101837
Dichlorodifluoromethane	U		0.000826	0.00580	1	04/26/2018 02:22	WG1101837
1,1-Dichloroethane	U		0.000231	0.00116	1	04/26/2018 02:22	WG1101837
1,2-Dichloroethane	U		0.000307	0.00116	1	04/26/2018 02:22	WG1101837
1,1-Dichloroethene	U		0.000351	0.00116	1	04/26/2018 02:22	WG1101837
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	04/26/2018 02:22	WG1101837
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	04/26/2018 02:22	WG1101837
1,2-Dichloropropane	U		0.000415	0.00116	1	04/26/2018 02:22	WG1101837
1,1-Dichloropropene	U		0.000367	0.00116	1	04/26/2018 02:22	WG1101837
1,3-Dichloropropane	U		0.000240	0.00116	1	04/26/2018 02:22	WG1101837 JC 5/13/18
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	04/26/2018 02:22	WG1101837
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	04/26/2018 02:22	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000902	0.00290	1	04/26/2018 02:22	WG1101837
2,2-Dichloropropane	U		0.000323	0.00116	1	04/26/2018 02:22	WG1101837
Di-isopropyl ether	U		0.000287	0.00116	1	04/26/2018 02:22	WG1101837
Ethylbenzene	U		0.000344	0.00116	1	04/26/2018 02:22	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000396	0.00116	1	04/26/2018 02:22	WG1101837
2-Hexanone	U		0.00159	0.0116	1	04/26/2018 02:22	WG1101837
n-Hexane	U		0.000336	0.0116	1	04/26/2018 02:22	WG1101837
Iodomethane	U		0.00293	0.0116	1	04/26/2018 02:22	WG1101837
Isopropylbenzene	U		0.000282	0.00116	1	04/26/2018 02:22	WG1101837
p-Isopropyltoluene	U		0.000236	0.00116	1	04/26/2018 02:22	WG1101837
2-Butanone (MEK)	U		0.00542	0.0116	1	04/26/2018 02:22	WG1101837
Methylene Chloride	U		0.00116	0.00580	1	04/26/2018 02:22	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	04/26/2018 02:22	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000246	0.00116	1	04/26/2018 02:22	WG1101837
Naphthalene	U		0.00116	0.00580	1	04/26/2018 02:22	WG1101837
n-Propylbenzene	U		0.000239	0.00116	1	04/26/2018 02:22	WG1101837
Styrene	U		0.000271	0.00116	1	04/26/2018 02:22	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	04/26/2018 02:22	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	04/26/2018 02:22	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	04/26/2018 02:22	WG1101837
Tetrachloroethene	U		0.000320	0.00116	1	04/26/2018 02:22	WG1101837
Toluene	U		0.000503	0.00580	1	04/26/2018 02:22	WG1101837
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	04/26/2018 02:22	WG1101837
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	04/26/2018 02:22	WG1101837
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/26/2018 02:22	WG1101837
1,1,2-Trichloroethane	U		0.000321	0.00116	1	04/26/2018 02:22	WG1101837
Trichloroethene	U		0.000323	0.00116	1	04/26/2018 02:22	WG1101837
Trichlorofluoromethane	U		0.000443	0.00580	1	04/26/2018 02:22	WG1101837
1,2,3-Trichloropropane	U		0.000859	0.00290	1	04/26/2018 02:22	WG1101837
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	04/26/2018 02:22	WG1101837
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	04/26/2018 02:22	WG1101837
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/26/2018 02:22	WG1101837
Vinyl acetate	U		0.00277	0.0116	1	04/26/2018 02:22	WG1101837
Vinyl chloride	U		0.000337	0.00116	1	04/26/2018 02:22	WG1101837
Xylenes, Total	U		0.000809	0.00348	1	04/26/2018 02:22	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 02:22*	WG1101837
(S) Dibromofluoromethane	*92.1*			*74.0-131*		*04/26/2018 02:22*	WG1101837
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/26/2018 02:22*	WG1101837

JC 5/13/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0116	0.0578	1	04/23/2018 14:35	WG1101837	
Acrylonitrile	U			0.00207	0.0116	1	04/23/2018 14:35	WG1101837	
Benzene	U			0.000312	0.00116	1	04/23/2018 14:35	WG1101837	
Bromobenzene	U			0.000328	0.00116	1	04/23/2018 14:35	WG1101837	
Bromodichloromethane	U			0.000294	0.00116	1	04/23/2018 14:35	WG1101837	
Bromochloromethane	U			0.000451	0.00578	1	04/23/2018 14:35	WG1101837	
Bromoform	U			0.000490	0.00116	1	04/23/2018 14:35	WG1101837	
Bromomethane	U	UJ	J0	0.00155	0.00578	1	04/23/2018 14:35	WG1101837	
n-Butylbenzene	U			0.000298	0.00116	1	04/23/2018 14:35	WG1101837	
sec-Butylbenzene	U			0.000232	0.00116	1	04/23/2018 14:35	WG1101837	
tert-Butylbenzene	U			0.000238	0.00116	1	04/23/2018 14:35	WG1101837	
Carbon disulfide	U			0.000256	0.00116	1	04/23/2018 14:35	WG1101837	
Carbon tetrachloride	U			0.000379	0.00116	1	04/23/2018 14:35	WG1101837	
Chlorobenzene	U			0.000245	0.00116	1	04/23/2018 14:35	WG1101837	
Chlorodibromomethane	U			0.000431	0.00116	1	04/23/2018 14:35	WG1101837	
Chloroethane	U	UJ	J0	0.00109	0.00578	1	04/23/2018 14:35	WG1101837	
Chloroform	U			0.000265	0.00578	1	04/23/2018 14:35	WG1101837	JC 5/13/18
Chloromethane	U	UJ	J0	0.000434	0.00289	1	04/23/2018 14:35	WG1101837	
2-Chlorotoluene	U			0.000348	0.00116	1	04/23/2018 14:35	WG1101837	
4-Chlorotoluene	U			0.000278	0.00116	1	04/23/2018 14:35	WG1101837	
1,2-Dibromo-3-Chloropropane	U			0.00121	0.00578	1	04/23/2018 14:35	WG1101837	
1,2-Dibromoethane	U			0.000397	0.00116	1	04/23/2018 14:35	WG1101837	
Dibromomethane	U			0.000442	0.00116	1	04/23/2018 14:35	WG1101837	
1,2-Dichlorobenzene	U			0.000353	0.00116	1	04/23/2018 14:35	WG1101837	
1,3-Dichlorobenzene	U			0.000276	0.00116	1	04/23/2018 14:35	WG1101837	
1,4-Dichlorobenzene	U			0.000261	0.00116	1	04/23/2018 14:35	WG1101837	
Dichlorodifluoromethane	U	UJ	J0	0.000825	0.00578	1	04/23/2018 14:35	WG1101837	
1,1-Dichloroethane	U			0.000230	0.00116	1	04/23/2018 14:35	WG1101837	
1,2-Dichloroethane	U			0.000307	0.00116	1	04/23/2018 14:35	WG1101837	
1,1-Dichloroethene	U			0.000350	0.00116	1	04/23/2018 14:35	WG1101837	
cis-1,2-Dichloroethene	U			0.000272	0.00116	1	04/23/2018 14:35	WG1101837	
trans-1,2-Dichloroethene	U			0.000305	0.00116	1	04/23/2018 14:35	WG1101837	
1,2-Dichloropropane	U			0.000414	0.00116	1	04/23/2018 14:35	WG1101837	
1,1-Dichloropropene	U			0.000367	0.00116	1	04/23/2018 14:35	WG1101837	
1,3-Dichloropropane	U			0.000239	0.00116	1	04/23/2018 14:35	WG1101837	
cis-1,3-Dichloropropene	U			0.000303	0.00116	1	04/23/2018 14:35	WG1101837	
trans-1,3-Dichloropropene	U			0.000309	0.00116	1	04/23/2018 14:35	WG1101837	
trans-1,4-Dichloro-2-butene	U			0.000900	0.00289	1	04/23/2018 14:35	WG1101837	
2,2-Dichloropropane	U			0.000323	0.00116	1	04/23/2018 14:35	WG1101837	
Di-isopropyl ether	U			0.000287	0.00116	1	04/23/2018 14:35	WG1101837	
Ethylbenzene	U			0.000344	0.00116	1	04/23/2018 14:35	WG1101837	
Hexachloro-1,3-butadiene	U		J4	0.000396	0.00116	1	04/23/2018 14:35	WG1101837	
2-Hexanone	U			0.00158	0.0116	1	04/23/2018 14:35	WG1101837	
n-Hexane	U			0.000335	0.0116	1	04/23/2018 14:35	WG1101837	
Iodomethane	U			0.00293	0.0116	1	04/23/2018 14:35	WG1101837	
Isopropylbenzene	U			0.000281	0.00116	1	04/23/2018 14:35	WG1101837	
p-Isopropyltoluene	U			0.000236	0.00116	1	04/23/2018 14:35	WG1101837	
2-Butanone (MEK)	U			0.00541	0.0116	1	04/23/2018 14:35	WG1101837	
Methylene Chloride	U			0.00116	0.00578	1	04/23/2018 14:35	WG1101837	
4-Methyl-2-pentanone (MIBK)	U			0.00217	0.0116	1	04/23/2018 14:35	WG1101837	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00116	1	04/23/2018 14:35	WG1101837
Naphthalene	U		0.00116	0.00578	1	04/23/2018 14:35	WG1101837
n-Propylbenzene	U		0.000238	0.00116	1	04/23/2018 14:35	WG1101837
Styrene	U		0.000271	0.00116	1	04/23/2018 14:35	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	04/23/2018 14:35	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	04/23/2018 14:35	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	04/23/2018 14:35	WG1101837
Tetrachloroethene	U		0.000319	0.00116	1	04/23/2018 14:35	WG1101837
Toluene	U		0.000502	0.00578	1	04/23/2018 14:35	WG1101837
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	04/23/2018 14:35	WG1101837
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	04/23/2018 14:35	WG1101837
1,1,1-Trichloroethane	U		0.000331	0.00116	1	04/23/2018 14:35	WG1101837
1,1,2-Trichloroethane	U		0.000320	0.00116	1	04/23/2018 14:35	WG1101837
Trichloroethene	U		0.000323	0.00116	1	04/23/2018 14:35	WG1101837
Trichlorofluoromethane	U		0.000442	0.00578	1	04/23/2018 14:35	WG1101837
1,2,3-Trichloropropane	U		0.000857	0.00289	1	04/23/2018 14:35	WG1101837
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	04/23/2018 14:35	WG1101837
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	04/23/2018 14:35	WG1101837
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	04/23/2018 14:35	WG1101837
Vinyl acetate	U		0.00276	0.0116	1	04/23/2018 14:35	WG1101837
Vinyl chloride	U		0.000337	0.00116	1	04/23/2018 14:35	WG1101837
Xylenes, Total	U		0.000807	0.00347	1	04/23/2018 14:35	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/23/2018 14:35*	WG1101837
(S) Dibromofluoromethane	*93.3*			*74.0-131*		*04/23/2018 14:35*	WG1101837
(S) 4-Bromofluorobenzene	*95.8*			*64.0-132*		*04/23/2018 14:35*	WG1101837

JC 5/13/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0109	0.0546	1	04/23/2018 14:56	WG1101837
Acrylonitrile	U		0.00196	0.0109	1	04/23/2018 14:56	WG1101837
Benzene	U		0.000295	0.00109	1	04/23/2018 14:56	WG1101837
Bromobenzene	U		0.000310	0.00109	1	04/23/2018 14:56	WG1101837
Bromodichloromethane	U		0.000278	0.00109	1	04/23/2018 14:56	WG1101837
Bromochloromethane	U		0.000426	0.00546	1	04/23/2018 14:56	WG1101837
Bromoform	U		0.000463	0.00109	1	04/23/2018 14:56	WG1101837
Bromomethane	U UJ	J0	0.00146	0.00546	1	04/23/2018 14:56	WG1101837
n-Butylbenzene	U		0.000282	0.00109	1	04/23/2018 14:56	WG1101837
sec-Butylbenzene	U		0.000220	0.00109	1	04/23/2018 14:56	WG1101837
tert-Butylbenzene	U		0.000225	0.00109	1	04/23/2018 14:56	WG1101837
Carbon disulfide	0.000439 J	J	0.000241	0.00109	1	04/23/2018 14:56	WG1101837
Carbon tetrachloride	U		0.000358	0.00109	1	04/23/2018 14:56	WG1101837
Chlorobenzene	U		0.000232	0.00109	1	04/23/2018 14:56	WG1101837
Chlorodibromomethane	U		0.000408	0.00109	1	04/23/2018 14:56	WG1101837
Chloroethane	U UJ	J0	0.00103	0.00546	1	04/23/2018 14:56	WG1101837
Chloroform	U		0.000250	0.00546	1	04/23/2018 14:56	WG1101837
Chloromethane	U UJ	J0	0.000410	0.00273	1	04/23/2018 14:56	WG1101837
2-Chlorotoluene	U		0.000329	0.00109	1	04/23/2018 14:56	WG1101837
4-Chlorotoluene	U		0.000262	0.00109	1	04/23/2018 14:56	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	04/23/2018 14:56	WG1101837
1,2-Dibromoethane	U		0.000375	0.00109	1	04/23/2018 14:56	WG1101837
Dibromomethane	U		0.000417	0.00109	1	04/23/2018 14:56	WG1101837
1,2-Dichlorobenzene	U		0.000333	0.00109	1	04/23/2018 14:56	WG1101837
1,3-Dichlorobenzene	U		0.000261	0.00109	1	04/23/2018 14:56	WG1101837
1,4-Dichlorobenzene	U		0.000247	0.00109	1	04/23/2018 14:56	WG1101837
Dichlorodifluoromethane	U UJ	J0	0.000779	0.00546	1	04/23/2018 14:56	WG1101837
1,1-Dichloroethane	U		0.000217	0.00109	1	04/23/2018 14:56	WG1101837
1,2-Dichloroethane	U		0.000290	0.00109	1	04/23/2018 14:56	WG1101837
1,1-Dichloroethene	U		0.000331	0.00109	1	04/23/2018 14:56	WG1101837
cis-1,2-Dichloroethene	0.0174		0.000257	0.00109	1	04/23/2018 14:56	WG1101837
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	04/23/2018 14:56	WG1101837
1,2-Dichloropropane	U		0.000391	0.00109	1	04/23/2018 14:56	WG1101837
1,1-Dichloropropene	U		0.000346	0.00109	1	04/23/2018 14:56	WG1101837
1,3-Dichloropropane	U		0.000226	0.00109	1	04/23/2018 14:56	WG1101837
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	04/23/2018 14:56	WG1101837
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	04/23/2018 14:56	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	04/23/2018 14:56	WG1101837
2,2-Dichloropropane	U		0.000305	0.00109	1	04/23/2018 14:56	WG1101837
Di-isopropyl ether	U		0.000271	0.00109	1	04/23/2018 14:56	WG1101837
Ethylbenzene	U		0.000325	0.00109	1	04/23/2018 14:56	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000374	0.00109	1	04/23/2018 14:56	WG1101837
2-Hexanone	U		0.00150	0.0109	1	04/23/2018 14:56	WG1101837
n-Hexane	U		0.000317	0.0109	1	04/23/2018 14:56	WG1101837
Iodomethane	U		0.00276	0.0109	1	04/23/2018 14:56	WG1101837 JC 5/13/18
Isopropylbenzene	U		0.000266	0.00109	1	04/23/2018 14:56	WG1101837
p-Isopropyltoluene	U		0.000223	0.00109	1	04/23/2018 14:56	WG1101837
2-Butanone (MEK)	U		0.00511	0.0109	1	04/23/2018 14:56	WG1101837
Methylene Chloride	U		0.00109	0.00546	1	04/23/2018 14:56	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/23/2018 14:56	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/23/2018 14:56	WG1101837
Naphthalene	U		0.00109	0.00546	1	04/23/2018 14:56	WG1101837
n-Propylbenzene	U		0.000225	0.00109	1	04/23/2018 14:56	WG1101837
Styrene	U		0.000256	0.00109	1	04/23/2018 14:56	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	04/23/2018 14:56	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/23/2018 14:56	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/23/2018 14:56	WG1101837
Tetrachloroethene	0.00342		0.000302	0.00109	1	04/23/2018 14:56	WG1101837
Toluene	U		0.000474	0.00546	1	04/23/2018 14:56	WG1101837
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	04/23/2018 14:56	WG1101837
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	04/23/2018 14:56	WG1101837
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/23/2018 14:56	WG1101837
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/23/2018 14:56	WG1101837
Trichloroethene	0.00368		0.000305	0.00109	1	04/23/2018 14:56	WG1101837
Trichlorofluoromethane	U		0.000417	0.00546	1	04/23/2018 14:56	WG1101837
1,2,3-Trichloropropane	U		0.000810	0.00273	1	04/23/2018 14:56	WG1101837
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/23/2018 14:56	WG1101837
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/23/2018 14:56	WG1101837
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/23/2018 14:56	WG1101837
Vinyl acetate	U		0.00261	0.0109	1	04/23/2018 14:56	WG1101837
Vinyl chloride	0.00161		0.000318	0.00109	1	04/23/2018 14:56	WG1101837
Xylenes, Total	U		0.000763	0.00328	1	04/23/2018 14:56	WG1101837
(S) Toluene-d8	*106*			*80.0-120*		*04/23/2018 14:56*	WG1101837
(S) Dibromofluoromethane	*91.4*			*74.0-131*		*04/23/2018 14:56*	WG1101837
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*04/23/2018 14:56*	WG1101837

JC 5/13/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	04/25/2018 16:14	WG1102892

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0109	0.0547	1	04/23/2018 15:17	WG1101837	
Acrylonitrile	U			0.00196	0.0109	1	04/23/2018 15:17	WG1101837	
Benzene	U			0.000295	0.00109	1	04/23/2018 15:17	WG1101837	
Bromobenzene	U			0.000311	0.00109	1	04/23/2018 15:17	WG1101837	
Bromodichloromethane	U			0.000278	0.00109	1	04/23/2018 15:17	WG1101837	
Bromochloromethane	U			0.000427	0.00547	1	04/23/2018 15:17	WG1101837	
Bromoform	U			0.000464	0.00109	1	04/23/2018 15:17	WG1101837	
Bromomethane	U	UJ	J0	0.00147	0.00547	1	04/23/2018 15:17	WG1101837	
n-Butylbenzene	U			0.000282	0.00109	1	04/23/2018 15:17	WG1101837	
sec-Butylbenzene	U			0.000220	0.00109	1	04/23/2018 15:17	WG1101837	
tert-Butylbenzene	U			0.000225	0.00109	1	04/23/2018 15:17	WG1101837	
Carbon disulfide	0.00161			0.000242	0.00109	1	04/23/2018 15:17	WG1101837	
Carbon tetrachloride	U			0.000359	0.00109	1	04/23/2018 15:17	WG1101837	
Chlorobenzene	U			0.000232	0.00109	1	04/23/2018 15:17	WG1101837	
Chlorodibromomethane	U			0.000408	0.00109	1	04/23/2018 15:17	WG1101837	
Chloroethane	U	UJ	J0	0.00103	0.00547	1	04/23/2018 15:17	WG1101837	
Chloroform	U			0.000250	0.00547	1	04/23/2018 15:17	WG1101837	
Chloromethane	U	UJ	J0	0.000410	0.00273	1	04/23/2018 15:17	WG1101837	
2-Chlorotoluene	U			0.000329	0.00109	1	04/23/2018 15:17	WG1101837	
4-Chlorotoluene	U			0.000262	0.00109	1	04/23/2018 15:17	WG1101837	
1,2-Dibromo-3-Chloropropane	U			0.00115	0.00547	1	04/23/2018 15:17	WG1101837	
1,2-Dibromoethane	U			0.000375	0.00109	1	04/23/2018 15:17	WG1101837	
Dibromomethane	U			0.000418	0.00109	1	04/23/2018 15:17	WG1101837	
1,2-Dichlorobenzene	U			0.000334	0.00109	1	04/23/2018 15:17	WG1101837	
1,3-Dichlorobenzene	U			0.000261	0.00109	1	04/23/2018 15:17	WG1101837	
1,4-Dichlorobenzene	U			0.000247	0.00109	1	04/23/2018 15:17	WG1101837	
Dichlorodifluoromethane	U	UJ	J0	0.000780	0.00547	1	04/23/2018 15:17	WG1101837	
1,1-Dichloroethane	U			0.000218	0.00109	1	04/23/2018 15:17	WG1101837	
1,2-Dichloroethane	U			0.000290	0.00109	1	04/23/2018 15:17	WG1101837	
1,1-Dichloroethene	U			0.000331	0.00109	1	04/23/2018 15:17	WG1101837	
cis-1,2-Dichloroethene	0.00931			0.000257	0.00109	1	04/23/2018 15:17	WG1101837	
trans-1,2-Dichloroethene	U			0.000289	0.00109	1	04/23/2018 15:17	WG1101837	
1,2-Dichloropropane	U			0.000392	0.00109	1	04/23/2018 15:17	WG1101837	
1,1-Dichloropropene	U			0.000347	0.00109	1	04/23/2018 15:17	WG1101837	
1,3-Dichloropropane	U			0.000226	0.00109	1	04/23/2018 15:17	WG1101837	
cis-1,3-Dichloropropene	U			0.000287	0.00109	1	04/23/2018 15:17	WG1101837	
trans-1,3-Dichloropropene	U			0.000292	0.00109	1	04/23/2018 15:17	WG1101837	
trans-1,4-Dichloro-2-butene	U			0.000851	0.00273	1	04/23/2018 15:17	WG1101837	
2,2-Dichloropropane	U			0.000305	0.00109	1	04/23/2018 15:17	WG1101837	JC 5/13/18
Di-isopropyl ether	U			0.000271	0.00109	1	04/23/2018 15:17	WG1101837	
Ethylbenzene	U			0.000325	0.00109	1	04/23/2018 15:17	WG1101837	
Hexachloro-1,3-butadiene	U		J4	0.000374	0.00109	1	04/23/2018 15:17	WG1101837	
2-Hexanone	U			0.00150	0.0109	1	04/23/2018 15:17	WG1101837	
n-Hexane	0.00282	J	J	0.000317	0.0109	1	04/23/2018 15:17	WG1101837	
Iodomethane	U			0.00277	0.0109	1	04/23/2018 15:17	WG1101837	
Isopropylbenzene	U			0.000266	0.00109	1	04/23/2018 15:17	WG1101837	
p-Isopropyltoluene	U			0.000223	0.00109	1	04/23/2018 15:17	WG1101837	
2-Butanone (MEK)	U			0.00512	0.0109	1	04/23/2018 15:17	WG1101837	
Methylene Chloride	U			0.00109	0.00547	1	04/23/2018 15:17	WG1101837	
4-Methyl-2-pentanone (MIBK)	U			0.00206	0.0109	1	04/23/2018 15:17	WG1101837	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000232	0.00109	1	04/23/2018 15:17	WG1101837
Naphthalene	U		0.00109	0.00547	1	04/23/2018 15:17	WG1101837
n-Propylbenzene	U		0.000225	0.00109	1	04/23/2018 15:17	WG1101837
Styrene	U		0.000256	0.00109	1	04/23/2018 15:17	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	04/23/2018 15:17	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	04/23/2018 15:17	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	04/23/2018 15:17	WG1101837
Tetrachloroethene	0.0362		0.000302	0.00109	1	04/23/2018 15:17	WG1101837
Toluene	U		0.000475	0.00547	1	04/23/2018 15:17	WG1101837
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	04/23/2018 15:17	WG1101837
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	04/23/2018 15:17	WG1101837
1,1,1-Trichloroethane	U		0.000313	0.00109	1	04/23/2018 15:17	WG1101837
1,1,2-Trichloroethane	U		0.000303	0.00109	1	04/23/2018 15:17	WG1101837
Trichloroethene	0.00990		0.000305	0.00109	1	04/23/2018 15:17	WG1101837
Trichlorofluoromethane	U		0.000418	0.00547	1	04/23/2018 15:17	WG1101837
1,2,3-Trichloropropane	U		0.000810	0.00273	1	04/23/2018 15:17	WG1101837
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	04/23/2018 15:17	WG1101837
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	04/23/2018 15:17	WG1101837
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	04/23/2018 15:17	WG1101837
Vinyl acetate	U		0.00261	0.0109	1	04/23/2018 15:17	WG1101837
Vinyl chloride	0.00215		0.000318	0.00109	1	04/23/2018 15:17	WG1101837
Xylenes, Total	U		0.000763	0.00328	1	04/23/2018 15:17	WG1101837
(S) Toluene-d8	*105*			*80.0-120*		*04/23/2018 15:17*	WG1101837
(S) Dibromofluoromethane	*91.5*			*74.0-131*		*04/23/2018 15:17*	WG1101837
(S) 4-Bromofluorobenzene	*91.5*			*64.0-132*		*04/23/2018 15:17*	WG1101837

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0115	0.0573	1	04/23/2018 15:39	WG1101837
Acrylonitrile	U		0.00205	0.0115	1	04/23/2018 15:39	WG1101837
Benzene	U		0.000309	0.00115	1	04/23/2018 15:39	WG1101837
Bromobenzene	U		0.000325	0.00115	1	04/23/2018 15:39	WG1101837
Bromodichloromethane	U		0.000291	0.00115	1	04/23/2018 15:39	WG1101837
Bromochloromethane	U		0.000447	0.00573	1	04/23/2018 15:39	WG1101837
Bromoform	U		0.000486	0.00115	1	04/23/2018 15:39	WG1101837
Bromomethane	U UJ	J0	0.00154	0.00573	1	04/23/2018 15:39	WG1101837
n-Butylbenzene	U		0.000296	0.00115	1	04/23/2018 15:39	WG1101837
sec-Butylbenzene	U		0.000230	0.00115	1	04/23/2018 15:39	WG1101837
tert-Butylbenzene	U		0.000236	0.00115	1	04/23/2018 15:39	WG1101837
Carbon disulfide	0.000708 J	J	0.000253	0.00115	1	04/23/2018 15:39	WG1101837
Carbon tetrachloride	U		0.000376	0.00115	1	04/23/2018 15:39	WG1101837
Chlorobenzene	U		0.000243	0.00115	1	04/23/2018 15:39	WG1101837
Chlorodibromomethane	U		0.000427	0.00115	1	04/23/2018 15:39	WG1101837
Chloroethane	U UJ	J0	0.00108	0.00573	1	04/23/2018 15:39	WG1101837
Chloroform	U		0.000262	0.00573	1	04/23/2018 15:39	WG1101837
Chloromethane	U UJ	J0	0.000430	0.00286	1	04/23/2018 15:39	WG1101837
2-Chlorotoluene	U		0.000345	0.00115	1	04/23/2018 15:39	WG1101837
4-Chlorotoluene	U		0.000275	0.00115	1	04/23/2018 15:39	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00573	1	04/23/2018 15:39	WG1101837
1,2-Dibromoethane	U		0.000393	0.00115	1	04/23/2018 15:39	WG1101837
Dibromomethane	U		0.000438	0.00115	1	04/23/2018 15:39	WG1101837
1,2-Dichlorobenzene	U		0.000349	0.00115	1	04/23/2018 15:39	WG1101837
1,3-Dichlorobenzene	U		0.000274	0.00115	1	04/23/2018 15:39	WG1101837
1,4-Dichlorobenzene	U		0.000259	0.00115	1	04/23/2018 15:39	WG1101837
Dichlorodifluoromethane	U UJ	J0	0.000817	0.00573	1	04/23/2018 15:39	WG1101837
1,1-Dichloroethane	U		0.000228	0.00115	1	04/23/2018 15:39	WG1101837
1,2-Dichloroethane	U		0.000304	0.00115	1	04/23/2018 15:39	WG1101837
1,1-Dichloroethene	0.000721 J	J	0.000347	0.00115	1	04/23/2018 15:39	WG1101837
cis-1,2-Dichloroethene	0.101		0.000269	0.00115	1	04/23/2018 15:39	WG1101837
trans-1,2-Dichloroethene	0.00208		0.000302	0.00115	1	04/23/2018 15:39	WG1101837
1,2-Dichloropropane	U		0.000410	0.00115	1	04/23/2018 15:39	WG1101837
1,1-Dichloropropene	U		0.000363	0.00115	1	04/23/2018 15:39	WG1101837
1,3-Dichloropropane	U		0.000237	0.00115	1	04/23/2018 15:39	WG1101837
cis-1,3-Dichloropropene	U		0.000300	0.00115	1	04/23/2018 15:39	WG1101837
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	04/23/2018 15:39	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000891	0.00286	1	04/23/2018 15:39	WG1101837
2,2-Dichloropropane	U		0.000320	0.00115	1	04/23/2018 15:39	WG1101837
Di-isopropyl ether	U		0.000284	0.00115	1	04/23/2018 15:39	WG1101837
Ethylbenzene	U		0.000340	0.00115	1	04/23/2018 15:39	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000392	0.00115	1	04/23/2018 15:39	WG1101837
2-Hexanone	U		0.00157	0.0115	1	04/23/2018 15:39	WG1101837
n-Hexane	U		0.000332	0.0115	1	04/23/2018 15:39	WG1101837
Iodomethane	U		0.00290	0.0115	1	04/23/2018 15:39	WG1101837
Isopropylbenzene	U		0.000278	0.00115	1	04/23/2018 15:39	WG1101837
p-Isopropyltoluene	U		0.000234	0.00115	1	04/23/2018 15:39	WG1101837
2-Butanone (MEK)	U		0.00536	0.0115	1	04/23/2018 15:39	WG1101837
Methylene Chloride	U		0.00115	0.00573	1	04/23/2018 15:39	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0115	1	04/23/2018 15:39	WG1101837

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000243	0.00115	1	04/23/2018 15:39	WG1101837
Naphthalene	U		0.00115	0.00573	1	04/23/2018 15:39	WG1101837
n-Propylbenzene	U		0.000236	0.00115	1	04/23/2018 15:39	WG1101837
Styrene	U		0.000268	0.00115	1	04/23/2018 15:39	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000302	0.00115	1	04/23/2018 15:39	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000418	0.00115	1	04/23/2018 15:39	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000418	0.00115	1	04/23/2018 15:39	WG1101837
Tetrachloroethene	0.0167		0.000316	0.00115	1	04/23/2018 15:39	WG1101837
Toluene	U		0.000497	0.00573	1	04/23/2018 15:39	WG1101837
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	04/23/2018 15:39	WG1101837
1,2,4-Trichlorobenzene	U		0.000444	0.00115	1	04/23/2018 15:39	WG1101837
1,1,1-Trichloroethane	U		0.000328	0.00115	1	04/23/2018 15:39	WG1101837
1,1,2-Trichloroethane	U		0.000317	0.00115	1	04/23/2018 15:39	WG1101837
Trichloroethene	0.0176		0.000320	0.00115	1	04/23/2018 15:39	WG1101837
Trichlorofluoromethane	U		0.000438	0.00573	1	04/23/2018 15:39	WG1101837
1,2,3-Trichloropropane	U		0.000849	0.00286	1	04/23/2018 15:39	WG1101837
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	04/23/2018 15:39	WG1101837
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	04/23/2018 15:39	WG1101837
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	04/23/2018 15:39	WG1101837
Vinyl acetate	U		0.00274	0.0115	1	04/23/2018 15:39	WG1101837
Vinyl chloride	0.0389		0.000333	0.00115	1	04/23/2018 15:39	WG1101837
Xylenes, Total	U		0.000800	0.00344	1	04/23/2018 15:39	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/23/2018 15:39*	WG1101837
(S) Dibromofluoromethane	*93.8*			*74.0-131*		*04/23/2018 15:39*	WG1101837
(S) 4-Bromofluorobenzene	*93.1*			*64.0-132*		*04/23/2018 15:39*	WG1101837

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0111	0.0553	1	04/23/2018 16:00	WG1101837
Acrylonitrile	U			0.00198	0.0111	1	04/23/2018 16:00	WG1101837
Benzene	U			0.000298	0.00111	1	04/23/2018 16:00	WG1101837
Bromobenzene	U			0.000314	0.00111	1	04/23/2018 16:00	WG1101837
Bromodichloromethane	U			0.000281	0.00111	1	04/23/2018 16:00	WG1101837
Bromochloromethane	U			0.000431	0.00553	1	04/23/2018 16:00	WG1101837
Bromoform	U			0.000469	0.00111	1	04/23/2018 16:00	WG1101837
Bromomethane	U	UJ	J0	0.00148	0.00553	1	04/23/2018 16:00	WG1101837
n-Butylbenzene	U			0.000285	0.00111	1	04/23/2018 16:00	WG1101837
sec-Butylbenzene	U			0.000222	0.00111	1	04/23/2018 16:00	WG1101837
tert-Butylbenzene	U			0.000228	0.00111	1	04/23/2018 16:00	WG1101837
Carbon disulfide	0.000757	J	J	0.000244	0.00111	1	04/23/2018 16:00	WG1101837
Carbon tetrachloride	U			0.000362	0.00111	1	04/23/2018 16:00	WG1101837
Chlorobenzene	U			0.000234	0.00111	1	04/23/2018 16:00	WG1101837
Chlorodibromomethane	U			0.000412	0.00111	1	04/23/2018 16:00	WG1101837
Chloroethane	U	UJ	J0	0.00105	0.00553	1	04/23/2018 16:00	WG1101837
Chloroform	U			0.000253	0.00553	1	04/23/2018 16:00	WG1101837
Chloromethane	U	UJ	J0	0.000414	0.00276	1	04/23/2018 16:00	WG1101837
2-Chlorotoluene	U			0.000333	0.00111	1	04/23/2018 16:00	WG1101837
4-Chlorotoluene	U			0.000265	0.00111	1	04/23/2018 16:00	WG1101837
1,2-Dibromo-3-Chloropropane	U			0.00116	0.00553	1	04/23/2018 16:00	WG1101837
1,2-Dibromoethane	U			0.000379	0.00111	1	04/23/2018 16:00	WG1101837
Dibromomethane	U			0.000422	0.00111	1	04/23/2018 16:00	WG1101837
1,2-Dichlorobenzene	U			0.000337	0.00111	1	04/23/2018 16:00	WG1101837
1,3-Dichlorobenzene	U			0.000264	0.00111	1	04/23/2018 16:00	WG1101837
1,4-Dichlorobenzene	U			0.000250	0.00111	1	04/23/2018 16:00	WG1101837
Dichlorodifluoromethane	U	UJ	J0	0.000788	0.00553	1	04/23/2018 16:00	WG1101837
1,1-Dichloroethane	U			0.000220	0.00111	1	04/23/2018 16:00	WG1101837
1,2-Dichloroethane	U			0.000293	0.00111	1	04/23/2018 16:00	WG1101837
1,1-Dichloroethene	0.00224			0.000335	0.00111	1	04/23/2018 16:00	WG1101837
cis-1,2-Dichloroethene	1.25			0.0130	0.0553	50	04/26/2018 02:44	WG1101837
trans-1,2-Dichloroethene	0.00785			0.000292	0.00111	1	04/23/2018 16:00	WG1101837
1,2-Dichloropropane	U			0.000396	0.00111	1	04/23/2018 16:00	WG1101837
1,1-Dichloropropene	U			0.000350	0.00111	1	04/23/2018 16:00	WG1101837
1,3-Dichloropropane	U			0.000229	0.00111	1	04/23/2018 16:00	WG1101837
cis-1,3-Dichloropropene	U			0.000290	0.00111	1	04/23/2018 16:00	WG1101837
trans-1,3-Dichloropropene	U			0.000295	0.00111	1	04/23/2018 16:00	WG1101837
trans-1,4-Dichloro-2-butene	U			0.000860	0.00276	1	04/23/2018 16:00	WG1101837
2,2-Dichloropropane	U			0.000308	0.00111	1	04/23/2018 16:00	WG1101837
Di-isopropyl ether	U			0.000274	0.00111	1	04/23/2018 16:00	WG1101837
Ethylbenzene	U			0.000328	0.00111	1	04/23/2018 16:00	WG1101837
Hexachloro-1,3-butadiene	U		J4	0.000378	0.00111	1	04/23/2018 16:00	WG1101837
2-Hexanone	U			0.00151	0.0111	1	04/23/2018 16:00	WG1101837
n-Hexane	U			0.000320	0.0111	1	04/23/2018 16:00	WG1101837
Iodomethane	U			0.00280	0.0111	1	04/23/2018 16:00	WG1101837
Isopropylbenzene	U			0.000269	0.00111	1	04/23/2018 16:00	WG1101837
p-Isopropyltoluene	U			0.000225	0.00111	1	04/23/2018 16:00	WG1101837
2-Butanone (MEK)	U			0.00517	0.0111	1	04/23/2018 16:00	WG1101837
Methylene Chloride	U			0.00111	0.00553	1	04/23/2018 16:00	WG1101837
4-Methyl-2-pentanone (MIBK)	U			0.00208	0.0111	1	04/23/2018 16:00	WG1101837

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00111	1	04/23/2018 16:00	WG1101837
Naphthalene	U		0.00111	0.00553	1	04/23/2018 16:00	WG1101837
n-Propylbenzene	U		0.000228	0.00111	1	04/23/2018 16:00	WG1101837
Styrene	U		0.000259	0.00111	1	04/23/2018 16:00	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	04/23/2018 16:00	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000403	0.00111	1	04/23/2018 16:00	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00111	1	04/23/2018 16:00	WG1101837
Tetrachloroethene	0.00301		0.000305	0.00111	1	04/23/2018 16:00	WG1101837
Toluene	U		0.000480	0.00553	1	04/23/2018 16:00	WG1101837
1,2,3-Trichlorobenzene	U		0.000338	0.00111	1	04/23/2018 16:00	WG1101837
1,2,4-Trichlorobenzene	U		0.000429	0.00111	1	04/23/2018 16:00	WG1101837
1,1,1-Trichloroethane	U		0.000316	0.00111	1	04/23/2018 16:00	WG1101837
1,1,2-Trichloroethane	U		0.000306	0.00111	1	04/23/2018 16:00	WG1101837
Trichloroethene	0.00143		0.000308	0.00111	1	04/23/2018 16:00	WG1101837
Trichlorofluoromethane	U		0.000422	0.00553	1	04/23/2018 16:00	WG1101837
1,2,3-Trichloropropane	U		0.000819	0.00276	1	04/23/2018 16:00	WG1101837
1,2,4-Trimethylbenzene	U		0.000233	0.00111	1	04/23/2018 16:00	WG1101837
1,2,3-Trimethylbenzene	U		0.000317	0.00111	1	04/23/2018 16:00	WG1101837
1,3,5-Trimethylbenzene	U		0.000294	0.00111	1	04/23/2018 16:00	WG1101837
Vinyl acetate	U		0.00264	0.0111	1	04/23/2018 16:00	WG1101837
Vinyl chloride	0.113		0.000322	0.00111	1	04/23/2018 16:00	WG1101837
Xylenes, Total	U		0.000771	0.00332	1	04/23/2018 16:00	WG1101837
(S) Toluene-d8	*107*			*80.0-120*		*04/26/2018 02:44*	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/23/2018 16:00*	WG1101837
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*04/23/2018 16:00*	WG1101837
(S) Dibromofluoromethane	*81.0*			*74.0-131*		*04/26/2018 02:44*	WG1101837
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/23/2018 16:00*	WG1101837
(S) 4-Bromofluorobenzene	*93.2*			*64.0-132*		*04/26/2018 02:44*	WG1101837

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.281	1.41	25	04/26/2018 03:05	WG1101837	
Acrylonitrile	U			0.0504	0.281	25	04/26/2018 03:05	WG1101837	
Benzene	U			0.00760	0.0281	25	04/26/2018 03:05	WG1101837	
Bromobenzene	U			0.00799	0.0281	25	04/26/2018 03:05	WG1101837	
Bromodichloromethane	U			0.00715	0.0281	25	04/26/2018 03:05	WG1101837	
Bromochloromethane	U			0.0110	0.141	25	04/26/2018 03:05	WG1101837	
Bromoform	U			0.0119	0.0281	25	04/26/2018 03:05	WG1101837	
Bromomethane	U	UJ	J0	0.0377	0.141	25	04/26/2018 03:05	WG1101837	
n-Butylbenzene	U			0.00726	0.0281	25	04/26/2018 03:05	WG1101837	
sec-Butylbenzene	U			0.00565	0.0281	25	04/26/2018 03:05	WG1101837	
tert-Butylbenzene	U			0.00580	0.0281	25	04/26/2018 03:05	WG1101837	
Carbon disulfide	U			0.00621	0.0281	25	04/26/2018 03:05	WG1101837	
Carbon tetrachloride	U			0.00923	0.0281	25	04/26/2018 03:05	WG1101837	
Chlorobenzene	U			0.00597	0.0281	25	04/26/2018 03:05	WG1101837	
Chlorodibromomethane	U			0.0105	0.0281	25	04/26/2018 03:05	WG1101837	
Chloroethane	U	UJ	J0	0.0266	0.141	25	04/26/2018 03:05	WG1101837	
Chloroform	U			0.00644	0.141	25	04/26/2018 03:05	WG1101837	
Chloromethane	U			0.0106	0.0704	25	04/26/2018 03:05	WG1101837	
2-Chlorotoluene	U			0.00847	0.0281	25	04/26/2018 03:05	WG1101837	
4-Chlorotoluene	U			0.00675	0.0281	25	04/26/2018 03:05	WG1101837	
1,2-Dibromo-3-Chloropropane	U			0.0295	0.141	25	04/26/2018 03:05	WG1101837	
1,2-Dibromoethane	U			0.00966	0.0281	25	04/26/2018 03:05	WG1101837	
Dibromomethane	U			0.0108	0.0281	25	04/26/2018 03:05	WG1101837	
1,2-Dichlorobenzene	U			0.00858	0.0281	25	04/26/2018 03:05	WG1101837	
1,3-Dichlorobenzene	U			0.00673	0.0281	25	04/26/2018 03:05	WG1101837	
1,4-Dichlorobenzene	U			0.00636	0.0281	25	04/26/2018 03:05	WG1101837	
Dichlorodifluoromethane	U			0.0200	0.141	25	04/26/2018 03:05	WG1101837	
1,1-Dichloroethane	U			0.00561	0.0281	25	04/26/2018 03:05	WG1101837	
1,2-Dichloroethane	U			0.00745	0.0281	25	04/26/2018 03:05	WG1101837	
1,1-Dichloroethene	U			0.00853	0.0281	25	04/26/2018 03:05	WG1101837	
cis-1,2-Dichloroethene	0.426			0.00662	0.0281	25	04/26/2018 03:05	WG1101837	
trans-1,2-Dichloroethene	0.0576			0.00743	0.0281	25	04/26/2018 03:05	WG1101837	
1,2-Dichloropropane	U			0.0101	0.0281	25	04/26/2018 03:05	WG1101837	
1,1-Dichloropropene	U			0.00892	0.0281	25	04/26/2018 03:05	WG1101837	
1,3-Dichloropropane	U			0.00583	0.0281	25	04/26/2018 03:05	WG1101837	
cis-1,3-Dichloropropene	U			0.00737	0.0281	25	04/26/2018 03:05	WG1101837	
trans-1,3-Dichloropropene	U			0.00752	0.0281	25	04/26/2018 03:05	WG1101837	
trans-1,4-Dichloro-2-butene	U			0.0218	0.0704	25	04/26/2018 03:05	WG1101837	
2,2-Dichloropropane	U			0.00786	0.0281	25	04/26/2018 03:05	WG1101837	
Di-isopropyl ether	U			0.00698	0.0281	25	04/26/2018 03:05	WG1101837	
Ethylbenzene	U			0.00835	0.0281	25	04/26/2018 03:05	WG1101837	
Hexachloro-1,3-butadiene	U		J4	0.00962	0.0281	25	04/26/2018 03:05	WG1101837	
2-Hexanone	U			0.0385	0.281	25	04/26/2018 03:05	WG1101837	JC 5/13/18
n-Hexane	U			0.00816	0.281	25	04/26/2018 03:05	WG1101837	
Iodomethane	U			0.0711	0.281	25	04/26/2018 03:05	WG1101837	
Isopropylbenzene	U			0.00684	0.0281	25	04/26/2018 03:05	WG1101837	
p-Isopropyltoluene	U			0.00574	0.0281	25	04/26/2018 03:05	WG1101837	
2-Butanone (MEK)	U			0.132	0.281	25	04/26/2018 03:05	WG1101837	
Methylene Chloride	U			0.0281	0.141	25	04/26/2018 03:05	WG1101837	
4-Methyl-2-pentanone (MIBK)	U			0.0529	0.281	25	04/26/2018 03:05	WG1101837	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00597	0.0281	25	04/26/2018 03:05	WG1101837
Naphthalene	U		0.0281	0.141	25	04/26/2018 03:05	WG1101837
n-Propylbenzene	U		0.00580	0.0281	25	04/26/2018 03:05	WG1101837
Styrene	U		0.00659	0.0281	25	04/26/2018 03:05	WG1101837
1,1,1,2-Tetrachloroethane	U		0.00743	0.0281	25	04/26/2018 03:05	WG1101837
1,1,2,2-Tetrachloroethane	U		0.0103	0.0281	25	04/26/2018 03:05	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0281	25	04/26/2018 03:05	WG1101837
Tetrachloroethene	0.227		0.00777	0.0281	25	04/26/2018 03:05	WG1101837
Toluene	U		0.0122	0.141	25	04/26/2018 03:05	WG1101837
1,2,3-Trichlorobenzene	U		0.00861	0.0281	25	04/26/2018 03:05	WG1101837
1,2,4-Trichlorobenzene	U		0.0109	0.0281	25	04/26/2018 03:05	WG1101837
1,1,1-Trichloroethane	U		0.00805	0.0281	25	04/26/2018 03:05	WG1101837
1,1,2-Trichloroethane	U		0.00779	0.0281	25	04/26/2018 03:05	WG1101837
Trichloroethene	0.144		0.00786	0.0281	25	04/26/2018 03:05	WG1101837
Trichlorofluoromethane	U		0.0108	0.141	25	04/26/2018 03:05	WG1101837
1,2,3-Trichloropropane	U		0.0208	0.0704	25	04/26/2018 03:05	WG1101837
1,2,4-Trimethylbenzene	U		0.00594	0.0281	25	04/26/2018 03:05	WG1101837
1,2,3-Trimethylbenzene	U		0.00808	0.0281	25	04/26/2018 03:05	WG1101837
1,3,5-Trimethylbenzene	U		0.00749	0.0281	25	04/26/2018 03:05	WG1101837
Vinyl acetate	U		0.0673	0.281	25	04/26/2018 03:05	WG1101837
Vinyl chloride	0.506		0.00819	0.0281	25	04/26/2018 03:05	WG1101837
Xylenes, Total	U		0.0196	0.0844	25	04/26/2018 03:05	WG1101837
(S) Toluene-d8	*105*			*80.0-120*		*04/26/2018 03:05*	WG1101837
(S) Dibromofluoromethane	*86.5*			*74.0-131*		*04/26/2018 03:05*	WG1101837
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*04/26/2018 03:05*	WG1101837

Sample Narrative:

L987913-08 WG1101837: Cannot be analyzed at a lower dilution due to high levels of target analytes.

JC 5/13/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0112	J J0	0.0107	0.0537	1	04/23/2018 16:42	WG1101837	
Acrylonitrile	U		0.00192	0.0107	1	04/23/2018 16:42	WG1101837	
Benzene	U		0.000290	0.00107	1	04/23/2018 16:42	WG1101837	
Bromobenzene	U		0.000305	0.00107	1	04/23/2018 16:42	WG1101837	
Bromodichloromethane	U		0.000273	0.00107	1	04/23/2018 16:42	WG1101837	
Bromochloromethane	U		0.000419	0.00537	1	04/23/2018 16:42	WG1101837	
Bromoform	U		0.000455	0.00107	1	04/23/2018 16:42	WG1101837	
Bromomethane	U	UJ J0	0.00144	0.00537	1	04/23/2018 16:42	WG1101837	
n-Butylbenzene	U		0.000277	0.00107	1	04/23/2018 16:42	WG1101837	
sec-Butylbenzene	U		0.000216	0.00107	1	04/23/2018 16:42	WG1101837	
tert-Butylbenzene	U		0.000221	0.00107	1	04/23/2018 16:42	WG1101837	
Carbon disulfide	0.000463	J J	0.000237	0.00107	1	04/23/2018 16:42	WG1101837	
Carbon tetrachloride	U		0.000352	0.00107	1	04/23/2018 16:42	WG1101837	
Chlorobenzene	U		0.000228	0.00107	1	04/23/2018 16:42	WG1101837	
Chlorodibromomethane	U		0.000401	0.00107	1	04/23/2018 16:42	WG1101837	
Chloroethane	U	UJ J0	0.00102	0.00537	1	04/23/2018 16:42	WG1101837	
Chloroform	U		0.000246	0.00537	1	04/23/2018 16:42	WG1101837	
Chloromethane	U	UJ J0	0.000403	0.00268	1	04/23/2018 16:42	WG1101837	
2-Chlorotoluene	U		0.000323	0.00107	1	04/23/2018 16:42	WG1101837	
4-Chlorotoluene	U		0.000258	0.00107	1	04/23/2018 16:42	WG1101837	
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	04/23/2018 16:42	WG1101837	
1,2-Dibromoethane	U		0.000368	0.00107	1	04/23/2018 16:42	WG1101837	
Dibromomethane	U		0.000410	0.00107	1	04/23/2018 16:42	WG1101837	
1,2-Dichlorobenzene	U		0.000327	0.00107	1	04/23/2018 16:42	WG1101837	
1,3-Dichlorobenzene	U		0.000257	0.00107	1	04/23/2018 16:42	WG1101837	
1,4-Dichlorobenzene	U		0.000243	0.00107	1	04/23/2018 16:42	WG1101837	
Dichlorodifluoromethane	U	UJ J0	0.000766	0.00537	1	04/23/2018 16:42	WG1101837	
1,1-Dichloroethane	U		0.000214	0.00107	1	04/23/2018 16:42	WG1101837	
1,2-Dichloroethane	U		0.000285	0.00107	1	04/23/2018 16:42	WG1101837	
1,1-Dichloroethene	0.00390		0.000325	0.00107	1	04/23/2018 16:42	WG1101837	
cis-1,2-Dichloroethene	0.693		0.0127	0.0537	50	04/26/2018 03:26	WG1101837	
trans-1,2-Dichloroethene	0.00602		0.000283	0.00107	1	04/23/2018 16:42	WG1101837	
1,2-Dichloropropane	U		0.000384	0.00107	1	04/23/2018 16:42	WG1101837	
1,1-Dichloropropene	U		0.000340	0.00107	1	04/23/2018 16:42	WG1101837	
1,3-Dichloropropane	U		0.000222	0.00107	1	04/23/2018 16:42	WG1101837	
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	04/23/2018 16:42	WG1101837	
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	04/23/2018 16:42	WG1101837	
trans-1,4-Dichloro-2-butene	U		0.000835	0.00268	1	04/23/2018 16:42	WG1101837	
2,2-Dichloropropane	U		0.000300	0.00107	1	04/23/2018 16:42	WG1101837	
Di-isopropyl ether	U		0.000266	0.00107	1	04/23/2018 16:42	WG1101837	JC 5/13/18
Ethylbenzene	U		0.000319	0.00107	1	04/23/2018 16:42	WG1101837	
Hexachloro-1,3-butadiene	U	J4	0.000367	0.00107	1	04/23/2018 16:42	WG1101837	
2-Hexanone	U		0.00147	0.0107	1	04/23/2018 16:42	WG1101837	
n-Hexane	0.00121	J J	0.000311	0.0107	1	04/23/2018 16:42	WG1101837	
Iodomethane	U		0.00272	0.0107	1	04/23/2018 16:42	WG1101837	
Isopropylbenzene	U		0.000261	0.00107	1	04/23/2018 16:42	WG1101837	
p-Isopropyltoluene	U		0.000219	0.00107	1	04/23/2018 16:42	WG1101837	
2-Butanone (MEK)	U		0.00503	0.0107	1	04/23/2018 16:42	WG1101837	
Methylene Chloride	U		0.00107	0.00537	1	04/23/2018 16:42	WG1101837	
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	04/23/2018 16:42	WG1101837	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00107	1	04/23/2018 16:42	WG1101837
Naphthalene	U		0.00107	0.00537	1	04/23/2018 16:42	WG1101837
n-Propylbenzene	U		0.000221	0.00107	1	04/23/2018 16:42	WG1101837
Styrene	U		0.000251	0.00107	1	04/23/2018 16:42	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	04/23/2018 16:42	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	04/23/2018 16:42	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	04/23/2018 16:42	WG1101837
Tetrachloroethene	0.115		0.000296	0.00107	1	04/23/2018 16:42	WG1101837
Toluene	U		0.000466	0.00537	1	04/23/2018 16:42	WG1101837
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	04/23/2018 16:42	WG1101837
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	04/23/2018 16:42	WG1101837
1,1,1-Trichloroethane	U		0.000307	0.00107	1	04/23/2018 16:42	WG1101837
1,1,2-Trichloroethane	U		0.000297	0.00107	1	04/23/2018 16:42	WG1101837
Trichloroethene	0.387		0.0150	0.0537	50	04/26/2018 03:26	WG1101837
Trichlorofluoromethane	U		0.000410	0.00537	1	04/23/2018 16:42	WG1101837
1,2,3-Trichloropropane	U		0.000796	0.00268	1	04/23/2018 16:42	WG1101837
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	04/23/2018 16:42	WG1101837
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	04/23/2018 16:42	WG1101837
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	04/23/2018 16:42	WG1101837
Vinyl acetate	U		0.00257	0.0107	1	04/23/2018 16:42	WG1101837
Vinyl chloride	0.0505		0.000312	0.00107	1	04/23/2018 16:42	WG1101837
Xylenes, Total	U		0.000749	0.00322	1	04/23/2018 16:42	WG1101837
(S) Toluene-d8	*106*			*80.0-120*		*04/26/2018 03:26*	WG1101837
(S) Toluene-d8	*101*			*80.0-120*		*04/23/2018 16:42*	WG1101837
(S) Dibromofluoromethane	*85.9*			*74.0-131*		*04/26/2018 03:26*	WG1101837
(S) Dibromofluoromethane	*97.0*			*74.0-131*		*04/23/2018 16:42*	WG1101837
(S) 4-Bromofluorobenzene	*94.3*			*64.0-132*		*04/23/2018 16:42*	WG1101837
(S) 4-Bromofluorobenzene	*92.0*			*64.0-132*		*04/26/2018 03:26*	WG1101837

JC 5/13/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0118	0.0592	1	04/23/2018 17:04	WG1101837
Acrylonitrile	U		0.00212	0.0118	1	04/23/2018 17:04	WG1101837
Benzene	U		0.000320	0.00118	1	04/23/2018 17:04	WG1101837
Bromobenzene	U		0.000336	0.00118	1	04/23/2018 17:04	WG1101837
Bromodichloromethane	U		0.000301	0.00118	1	04/23/2018 17:04	WG1101837
Bromochloromethane	U		0.000462	0.00592	1	04/23/2018 17:04	WG1101837
Bromoform	U		0.000502	0.00118	1	04/23/2018 17:04	WG1101837
Bromomethane	U UJ	J0	0.00159	0.00592	1	04/23/2018 17:04	WG1101837
n-Butylbenzene	U		0.000306	0.00118	1	04/23/2018 17:04	WG1101837
sec-Butylbenzene	U		0.000238	0.00118	1	04/23/2018 17:04	WG1101837
tert-Butylbenzene	U		0.000244	0.00118	1	04/23/2018 17:04	WG1101837
Carbon disulfide	0.000440 J	J	0.000262	0.00118	1	04/23/2018 17:04	WG1101837
Carbon tetrachloride	U		0.000389	0.00118	1	04/23/2018 17:04	WG1101837
Chlorobenzene	U		0.000251	0.00118	1	04/23/2018 17:04	WG1101837
Chlorodibromomethane	U		0.000442	0.00118	1	04/23/2018 17:04	WG1101837
Chloroethane	U UJ	J0	0.00112	0.00592	1	04/23/2018 17:04	WG1101837
Chloroform	U		0.000271	0.00592	1	04/23/2018 17:04	WG1101837
Chloromethane	U UJ	J0	0.000444	0.00296	1	04/23/2018 17:04	WG1101837
2-Chlorotoluene	U		0.000357	0.00118	1	04/23/2018 17:04	WG1101837
4-Chlorotoluene	U		0.000284	0.00118	1	04/23/2018 17:04	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00592	1	04/23/2018 17:04	WG1101837
1,2-Dibromoethane	U		0.000406	0.00118	1	04/23/2018 17:04	WG1101837
Dibromomethane	U		0.000453	0.00118	1	04/23/2018 17:04	WG1101837
1,2-Dichlorobenzene	U		0.000361	0.00118	1	04/23/2018 17:04	WG1101837
1,3-Dichlorobenzene	U		0.000283	0.00118	1	04/23/2018 17:04	WG1101837
1,4-Dichlorobenzene	U		0.000268	0.00118	1	04/23/2018 17:04	WG1101837
Dichlorodifluoromethane	U UJ	J0	0.000845	0.00592	1	04/23/2018 17:04	WG1101837
1,1-Dichloroethane	U		0.000236	0.00118	1	04/23/2018 17:04	WG1101837 JC 5/13/18
1,2-Dichloroethane	U		0.000314	0.00118	1	04/23/2018 17:04	WG1101837
1,1-Dichloroethene	0.00263		0.000359	0.00118	1	04/23/2018 17:04	WG1101837
cis-1,2-Dichloroethene	2.04		0.0140	0.0592	50	04/26/2018 03:47	WG1101837
trans-1,2-Dichloroethene	0.00127		0.000313	0.00118	1	04/23/2018 17:04	WG1101837
1,2-Dichloropropane	U		0.000424	0.00118	1	04/23/2018 17:04	WG1101837
1,1-Dichloropropene	U		0.000376	0.00118	1	04/23/2018 17:04	WG1101837
1,3-Dichloropropane	U		0.000245	0.00118	1	04/23/2018 17:04	WG1101837
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	04/23/2018 17:04	WG1101837
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	04/23/2018 17:04	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000922	0.00296	1	04/23/2018 17:04	WG1101837
2,2-Dichloropropane	U		0.000331	0.00118	1	04/23/2018 17:04	WG1101837
Di-isopropyl ether	U		0.000294	0.00118	1	04/23/2018 17:04	WG1101837
Ethylbenzene	U		0.000352	0.00118	1	04/23/2018 17:04	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000405	0.00118	1	04/23/2018 17:04	WG1101837
2-Hexanone	U		0.00162	0.0118	1	04/23/2018 17:04	WG1101837
n-Hexane	0.000569 J	J	0.000344	0.0118	1	04/23/2018 17:04	WG1101837
Iodomethane	U		0.00300	0.0118	1	04/23/2018 17:04	WG1101837
Isopropylbenzene	U		0.000288	0.00118	1	04/23/2018 17:04	WG1101837
p-Isopropyltoluene	U		0.000242	0.00118	1	04/23/2018 17:04	WG1101837
2-Butanone (MEK)	U		0.00555	0.0118	1	04/23/2018 17:04	WG1101837
Methylene Chloride	U		0.00118	0.00592	1	04/23/2018 17:04	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0118	1	04/23/2018 17:04	WG1101837

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00118	1	04/23/2018 17:04	WG1101837
Naphthalene	U		0.00118	0.00592	1	04/23/2018 17:04	WG1101837
n-Propylbenzene	U		0.000244	0.00118	1	04/23/2018 17:04	WG1101837
Styrene	U		0.000277	0.00118	1	04/23/2018 17:04	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000313	0.00118	1	04/23/2018 17:04	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000432	0.00118	1	04/23/2018 17:04	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000432	0.00118	1	04/23/2018 17:04	WG1101837
Tetrachloroethene	0.0281		0.000327	0.00118	1	04/23/2018 17:04	WG1101837
Toluene	U		0.000514	0.00592	1	04/23/2018 17:04	WG1101837
1,2,3-Trichlorobenzene	U		0.000363	0.00118	1	04/23/2018 17:04	WG1101837
1,2,4-Trichlorobenzene	U		0.000460	0.00118	1	04/23/2018 17:04	WG1101837
1,1,1-Trichloroethane	U		0.000339	0.00118	1	04/23/2018 17:04	WG1101837
1,1,2-Trichloroethane	U		0.000328	0.00118	1	04/23/2018 17:04	WG1101837
Trichloroethene	0.0427		0.000331	0.00118	1	04/23/2018 17:04	WG1101837
Trichlorofluoromethane	U		0.000453	0.00592	1	04/23/2018 17:04	WG1101837
1,2,3-Trichloropropane	U		0.000878	0.00296	1	04/23/2018 17:04	WG1101837
1,2,4-Trimethylbenzene	U		0.000250	0.00118	1	04/23/2018 17:04	WG1101837
1,2,3-Trimethylbenzene	U		0.000340	0.00118	1	04/23/2018 17:04	WG1101837
1,3,5-Trimethylbenzene	U		0.000315	0.00118	1	04/23/2018 17:04	WG1101837
Vinyl acetate	U		0.00283	0.0118	1	04/23/2018 17:04	WG1101837
Vinyl chloride	0.0113		0.000345	0.00118	1	04/23/2018 17:04	WG1101837
Xylenes, Total	U		0.000827	0.00355	1	04/23/2018 17:04	WG1101837
(S) Toluene-d8	*108*			*80.0-120*		*04/26/2018 03:47*	WG1101837
(S) Toluene-d8	*102*			*80.0-120*		*04/23/2018 17:04*	WG1101837
(S) Dibromofluoromethane	*83.3*			*74.0-131*		*04/26/2018 03:47*	WG1101837
(S) Dibromofluoromethane	*95.8*			*74.0-131*		*04/23/2018 17:04*	WG1101837
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*04/26/2018 03:47*	WG1101837
(S) 4-Bromofluorobenzene	*94.0*			*64.0-132*		*04/23/2018 17:04*	WG1101837

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0110	0.0549	1	04/23/2018 17:25	WG1101837
Acrylonitrile	U		0.00197	0.0110	1	04/23/2018 17:25	WG1101837
Benzene	U		0.000297	0.00110	1	04/23/2018 17:25	WG1101837
Bromobenzene	U		0.000312	0.00110	1	04/23/2018 17:25	WG1101837
Bromodichloromethane	U		0.000279	0.00110	1	04/23/2018 17:25	WG1101837
Bromochloromethane	U		0.000428	0.00549	1	04/23/2018 17:25	WG1101837
Bromoform	U		0.000466	0.00110	1	04/23/2018 17:25	WG1101837
Bromomethane	U UJ	J0	0.00147	0.00549	1	04/23/2018 17:25	WG1101837
n-Butylbenzene	U		0.000283	0.00110	1	04/23/2018 17:25	WG1101837
sec-Butylbenzene	U		0.000221	0.00110	1	04/23/2018 17:25	WG1101837
tert-Butylbenzene	U		0.000226	0.00110	1	04/23/2018 17:25	WG1101837
Carbon disulfide	U		0.000243	0.00110	1	04/23/2018 17:25	WG1101837
Carbon tetrachloride	U		0.000360	0.00110	1	04/23/2018 17:25	WG1101837
Chlorobenzene	U		0.000233	0.00110	1	04/23/2018 17:25	WG1101837
Chlorodibromomethane	U		0.000410	0.00110	1	04/23/2018 17:25	WG1101837
Chloroethane	U UJ	J0	0.00104	0.00549	1	04/23/2018 17:25	WG1101837
Chloroform	U		0.000252	0.00549	1	04/23/2018 17:25	WG1101837
Chloromethane	U UJ	J0	0.000412	0.00275	1	04/23/2018 17:25	WG1101837
2-Chlorotoluene	U		0.000331	0.00110	1	04/23/2018 17:25	WG1101837
4-Chlorotoluene	U		0.000264	0.00110	1	04/23/2018 17:25	WG1101837
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	04/23/2018 17:25	WG1101837
1,2-Dibromoethane	U		0.000377	0.00110	1	04/23/2018 17:25	WG1101837
Dibromomethane	U		0.000420	0.00110	1	04/23/2018 17:25	WG1101837
1,2-Dichlorobenzene	U		0.000335	0.00110	1	04/23/2018 17:25	WG1101837
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/23/2018 17:25	WG1101837
1,4-Dichlorobenzene	U		0.000248	0.00110	1	04/23/2018 17:25	WG1101837
Dichlorodifluoromethane	U UJ	J0	0.000783	0.00549	1	04/23/2018 17:25	WG1101837
1,1-Dichloroethane	U		0.000219	0.00110	1	04/23/2018 17:25	WG1101837
1,2-Dichloroethane	U		0.000291	0.00110	1	04/23/2018 17:25	WG1101837
1,1-Dichloroethene	U		0.000333	0.00110	1	04/23/2018 17:25	WG1101837
cis-1,2-Dichloroethene	0.00916		0.000258	0.00110	1	04/26/2018 04:09	WG1101837
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	04/23/2018 17:25	WG1101837
1,2-Dichloropropane	U		0.000393	0.00110	1	04/23/2018 17:25	WG1101837
1,1-Dichloropropene	U		0.000348	0.00110	1	04/23/2018 17:25	WG1101837
1,3-Dichloropropane	U		0.000227	0.00110	1	04/23/2018 17:25	WG1101837
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/23/2018 17:25	WG1101837
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	04/23/2018 17:25	WG1101837
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	04/23/2018 17:25	WG1101837
2,2-Dichloropropane	U		0.000306	0.00110	1	04/23/2018 17:25	WG1101837
Di-isopropyl ether	U		0.000272	0.00110	1	04/23/2018 17:25	WG1101837
Ethylbenzene	U		0.000326	0.00110	1	04/23/2018 17:25	WG1101837
Hexachloro-1,3-butadiene	U	J4	0.000376	0.00110	1	04/23/2018 17:25	WG1101837
2-Hexanone	U		0.00150	0.0110	1	04/23/2018 17:25	WG1101837
n-Hexane	0.000700 J	J	0.000319	0.0110	1	04/23/2018 17:25	WG1101837
Iodomethane	U		0.00278	0.0110	1	04/23/2018 17:25	WG1101837
Isopropylbenzene	U		0.000267	0.00110	1	04/23/2018 17:25	WG1101837
p-Isopropyltoluene	U		0.000224	0.00110	1	04/23/2018 17:25	WG1101837
2-Butanone (MEK)	U		0.00514	0.0110	1	04/23/2018 17:25	WG1101837
Methylene Chloride	U		0.00110	0.00549	1	04/23/2018 17:25	WG1101837
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	04/23/2018 17:25	WG1101837

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/23/2018 17:25	WG1101837
Naphthalene	U		0.00110	0.00549	1	04/23/2018 17:25	WG1101837
n-Propylbenzene	U		0.000226	0.00110	1	04/23/2018 17:25	WG1101837
Styrene	U		0.000257	0.00110	1	04/23/2018 17:25	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	04/23/2018 17:25	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	04/23/2018 17:25	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	04/23/2018 17:25	WG1101837
Tetrachloroethene	0.00270		0.000303	0.00110	1	04/23/2018 17:25	WG1101837
Toluene	U		0.000477	0.00549	1	04/23/2018 17:25	WG1101837
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	04/23/2018 17:25	WG1101837
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	04/23/2018 17:25	WG1101837
1,1,1-Trichloroethane	U		0.000314	0.00110	1	04/23/2018 17:25	WG1101837
1,1,2-Trichloroethane	U		0.000304	0.00110	1	04/23/2018 17:25	WG1101837
Trichloroethene	0.00337		0.000306	0.00110	1	04/23/2018 17:25	WG1101837
Trichlorofluoromethane	U		0.000420	0.00549	1	04/23/2018 17:25	WG1101837
1,2,3-Trichloropropane	U		0.000814	0.00275	1	04/23/2018 17:25	WG1101837
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/23/2018 17:25	WG1101837
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	04/23/2018 17:25	WG1101837
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	04/23/2018 17:25	WG1101837
Vinyl acetate	U		0.00263	0.0110	1	04/23/2018 17:25	WG1101837
Vinyl chloride	0.000843	J J	0.000320	0.00110	1	04/23/2018 17:25	WG1101837
Xylenes, Total	U		0.000767	0.00330	1	04/23/2018 17:25	WG1101837
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 04:09*	WG1101837
(S) Toluene-d8	*105*			*80.0-120*		*04/23/2018 17:25*	WG1101837
(S) Dibromofluoromethane	*91.0*			*74.0-131*		*04/26/2018 04:09*	WG1101837
(S) Dibromofluoromethane	*90.3*			*74.0-131*		*04/23/2018 17:25*	WG1101837
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*04/26/2018 04:09*	WG1101837
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*04/23/2018 17:25*	WG1101837

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0110	0.0551	1	04/23/2018 17:46	WG1101837	
Acrylonitrile	U		0.00197	0.0110	1	04/23/2018 17:46	WG1101837	
Benzene	U		0.000297	0.00110	1	04/23/2018 17:46	WG1101837	
Bromobenzene	U		0.000313	0.00110	1	04/23/2018 17:46	WG1101837	
Bromodichloromethane	U		0.000280	0.00110	1	04/23/2018 17:46	WG1101837	
Bromochloromethane	U		0.000430	0.00551	1	04/23/2018 17:46	WG1101837	
Bromoform	U		0.000467	0.00110	1	04/23/2018 17:46	WG1101837	
Bromomethane	U UJ	J0	0.00148	0.00551	1	04/23/2018 17:46	WG1101837	
n-Butylbenzene	U		0.000284	0.00110	1	04/23/2018 17:46	WG1101837	
sec-Butylbenzene	U		0.000221	0.00110	1	04/23/2018 17:46	WG1101837	
tert-Butylbenzene	U		0.000227	0.00110	1	04/23/2018 17:46	WG1101837	
Carbon disulfide	0.000279 J	J	0.000243	0.00110	1	04/23/2018 17:46	WG1101837	
Carbon tetrachloride	U		0.000361	0.00110	1	04/23/2018 17:46	WG1101837	
Chlorobenzene	U		0.000234	0.00110	1	04/23/2018 17:46	WG1101837	
Chlorodibromomethane	U		0.000411	0.00110	1	04/23/2018 17:46	WG1101837	
Chloroethane	U UJ	J0	0.00104	0.00551	1	04/23/2018 17:46	WG1101837	
Chloroform	U		0.000252	0.00551	1	04/23/2018 17:46	WG1101837	
Chloromethane	U UJ	J0	0.000413	0.00275	1	04/23/2018 17:46	WG1101837	
2-Chlorotoluene	U		0.000332	0.00110	1	04/23/2018 17:46	WG1101837	
4-Chlorotoluene	U		0.000264	0.00110	1	04/23/2018 17:46	WG1101837	
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/23/2018 17:46	WG1101837	
1,2-Dibromoethane	U		0.000378	0.00110	1	04/23/2018 17:46	WG1101837	
Dibromomethane	U		0.000421	0.00110	1	04/23/2018 17:46	WG1101837	
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/23/2018 17:46	WG1101837	
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/23/2018 17:46	WG1101837	
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/23/2018 17:46	WG1101837	
Dichlorodifluoromethane	U UJ	J0	0.000785	0.00551	1	04/23/2018 17:46	WG1101837	
1,1-Dichloroethane	U		0.000219	0.00110	1	04/23/2018 17:46	WG1101837	
1,2-Dichloroethane	U		0.000292	0.00110	1	04/23/2018 17:46	WG1101837	
1,1-Dichloroethene	U		0.000334	0.00110	1	04/23/2018 17:46	WG1101837	
cis-1,2-Dichloroethene	0.00280		0.000259	0.00110	1	04/26/2018 04:30	WG1101837	
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/23/2018 17:46	WG1101837	JC 5/13/18
1,2-Dichloropropane	U		0.000394	0.00110	1	04/23/2018 17:46	WG1101837	
1,1-Dichloropropene	U		0.000349	0.00110	1	04/23/2018 17:46	WG1101837	
1,3-Dichloropropane	U		0.000228	0.00110	1	04/23/2018 17:46	WG1101837	
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/23/2018 17:46	WG1101837	
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/23/2018 17:46	WG1101837	
trans-1,4-Dichloro-2-butene	U		0.000857	0.00275	1	04/23/2018 17:46	WG1101837	
2,2-Dichloropropane	U		0.000307	0.00110	1	04/23/2018 17:46	WG1101837	
Di-isopropyl ether	U		0.000273	0.00110	1	04/23/2018 17:46	WG1101837	
Ethylbenzene	U		0.000327	0.00110	1	04/23/2018 17:46	WG1101837	
Hexachloro-1,3-butadiene	U	J4	0.000377	0.00110	1	04/23/2018 17:46	WG1101837	
2-Hexanone	U		0.00151	0.0110	1	04/23/2018 17:46	WG1101837	
n-Hexane	U		0.000319	0.0110	1	04/23/2018 17:46	WG1101837	
Iodomethane	U		0.00279	0.0110	1	04/23/2018 17:46	WG1101837	
Isopropylbenzene	U		0.000268	0.00110	1	04/23/2018 17:46	WG1101837	
p-Isopropyltoluene	U		0.000225	0.00110	1	04/23/2018 17:46	WG1101837	
2-Butanone (MEK)	U		0.00516	0.0110	1	04/23/2018 17:46	WG1101837	
Methylene Chloride	U		0.00110	0.00551	1	04/23/2018 17:46	WG1101837	
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/23/2018 17:46	WG1101837	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/23/2018 17:46	WG1101837
Naphthalene	U		0.00110	0.00551	1	04/23/2018 17:46	WG1101837
n-Propylbenzene	U		0.000227	0.00110	1	04/23/2018 17:46	WG1101837
Styrene	U		0.000258	0.00110	1	04/23/2018 17:46	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/23/2018 17:46	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/23/2018 17:46	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/23/2018 17:46	WG1101837
Tetrachloroethene	0.000793 J	J	0.000304	0.00110	1	04/23/2018 17:46	WG1101837
Toluene	U		0.000478	0.00551	1	04/23/2018 17:46	WG1101837
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/23/2018 17:46	WG1101837
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/23/2018 17:46	WG1101837
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/23/2018 17:46	WG1101837
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/23/2018 17:46	WG1101837
Trichloroethene	0.000816 J	J	0.000307	0.00110	1	04/23/2018 17:46	WG1101837
Trichlorofluoromethane	U		0.000421	0.00551	1	04/23/2018 17:46	WG1101837
1,2,3-Trichloropropane	U		0.000816	0.00275	1	04/23/2018 17:46	WG1101837
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/23/2018 17:46	WG1101837
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/23/2018 17:46	WG1101837
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/23/2018 17:46	WG1101837
Vinyl acetate	U		0.00263	0.0110	1	04/23/2018 17:46	WG1101837
Vinyl chloride	U		0.000321	0.00110	1	04/23/2018 17:46	WG1101837
Xylenes, Total	U		0.000769	0.00330	1	04/23/2018 17:46	WG1101837
(S) Toluene-d8	*103*			*80.0-120*		*04/23/2018 17:46*	WG1101837
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 04:30*	WG1101837
(S) Dibromofluoromethane	*94.6*			*74.0-131*		*04/23/2018 17:46*	WG1101837
(S) Dibromofluoromethane	*92.3*			*74.0-131*		*04/26/2018 04:30*	WG1101837
(S) 4-Bromofluorobenzene	*94.4*			*64.0-132*		*04/23/2018 17:46*	WG1101837
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*04/26/2018 04:30*	WG1101837

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	04/26/2018 14:36	WG1103331

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0110	0.0552	1	04/23/2018 18:07	WG1101837	
Acrylonitrile	U		0.00198	0.0110	1	04/23/2018 18:07	WG1101837	
Benzene	U		0.000298	0.00110	1	04/23/2018 18:07	WG1101837	
Bromobenzene	U		0.000313	0.00110	1	04/23/2018 18:07	WG1101837	
Bromodichloromethane	U		0.000280	0.00110	1	04/23/2018 18:07	WG1101837	
Bromochloromethane	U		0.000430	0.00552	1	04/23/2018 18:07	WG1101837	
Bromoform	U		0.000468	0.00110	1	04/23/2018 18:07	WG1101837	
Bromomethane	U UJ	J0	0.00148	0.00552	1	04/23/2018 18:07	WG1101837	
n-Butylbenzene	U		0.000285	0.00110	1	04/23/2018 18:07	WG1101837	
sec-Butylbenzene	U		0.000222	0.00110	1	04/23/2018 18:07	WG1101837	
tert-Butylbenzene	U		0.000227	0.00110	1	04/23/2018 18:07	WG1101837	
Carbon disulfide	0.000445 J	J	0.000244	0.00110	1	04/23/2018 18:07	WG1101837	
Carbon tetrachloride	U		0.000362	0.00110	1	04/23/2018 18:07	WG1101837	
Chlorobenzene	U		0.000234	0.00110	1	04/23/2018 18:07	WG1101837	
Chlorodibromomethane	U		0.000412	0.00110	1	04/23/2018 18:07	WG1101837	
Chloroethane	U UJ	J0	0.00104	0.00552	1	04/23/2018 18:07	WG1101837	
Chloroform	U		0.000253	0.00552	1	04/23/2018 18:07	WG1101837	
Chloromethane	U UJ	J0	0.000414	0.00276	1	04/23/2018 18:07	WG1101837	
2-Chlorotoluene	U		0.000332	0.00110	1	04/23/2018 18:07	WG1101837	
4-Chlorotoluene	U		0.000265	0.00110	1	04/23/2018 18:07	WG1101837	
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	04/23/2018 18:07	WG1101837	
1,2-Dibromoethane	U		0.000379	0.00110	1	04/23/2018 18:07	WG1101837	
Dibromomethane	U		0.000422	0.00110	1	04/23/2018 18:07	WG1101837	
1,2-Dichlorobenzene	U		0.000337	0.00110	1	04/23/2018 18:07	WG1101837	
1,3-Dichlorobenzene	U		0.000264	0.00110	1	04/23/2018 18:07	WG1101837	
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/23/2018 18:07	WG1101837	
Dichlorodifluoromethane	U UJ	J0	0.000787	0.00552	1	04/23/2018 18:07	WG1101837	
1,1-Dichloroethane	U		0.000220	0.00110	1	04/23/2018 18:07	WG1101837	
1,2-Dichloroethane	U		0.000292	0.00110	1	04/23/2018 18:07	WG1101837	
1,1-Dichloroethene	0.00611		0.000334	0.00110	1	04/23/2018 18:07	WG1101837	
cis-1,2-Dichloroethene	2.07		0.0130	0.0552	50	04/26/2018 04:51	WG1101837	
trans-1,2-Dichloroethene	0.00132		0.000291	0.00110	1	04/23/2018 18:07	WG1101837	
1,2-Dichloropropane	U		0.000395	0.00110	1	04/23/2018 18:07	WG1101837	
1,1-Dichloropropene	U		0.000350	0.00110	1	04/23/2018 18:07	WG1101837	
1,3-Dichloropropane	U		0.000228	0.00110	1	04/23/2018 18:07	WG1101837	
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/23/2018 18:07	WG1101837	
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	04/23/2018 18:07	WG1101837	
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	04/23/2018 18:07	WG1101837	JC 5/13/18
2,2-Dichloropropane	U		0.000308	0.00110	1	04/23/2018 18:07	WG1101837	
Di-isopropyl ether	U		0.000274	0.00110	1	04/23/2018 18:07	WG1101837	
Ethylbenzene	U		0.000328	0.00110	1	04/23/2018 18:07	WG1101837	
Hexachloro-1,3-butadiene	U	J4	0.000377	0.00110	1	04/23/2018 18:07	WG1101837	
2-Hexanone	U		0.00151	0.0110	1	04/23/2018 18:07	WG1101837	
n-Hexane	U		0.000320	0.0110	1	04/23/2018 18:07	WG1101837	
Iodomethane	U		0.00279	0.0110	1	04/23/2018 18:07	WG1101837	
Isopropylbenzene	U		0.000268	0.00110	1	04/23/2018 18:07	WG1101837	
p-Isopropyltoluene	U		0.000225	0.00110	1	04/23/2018 18:07	WG1101837	
2-Butanone (MEK)	U		0.00516	0.0110	1	04/23/2018 18:07	WG1101837	
Methylene Chloride	U		0.00110	0.00552	1	04/23/2018 18:07	WG1101837	
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/23/2018 18:07	WG1101837	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/23/2018 18:07	WG1101837
Naphthalene	U		0.00110	0.00552	1	04/23/2018 18:07	WG1101837
n-Propylbenzene	U		0.000227	0.00110	1	04/23/2018 18:07	WG1101837
Styrene	U		0.000258	0.00110	1	04/23/2018 18:07	WG1101837
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/23/2018 18:07	WG1101837
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	04/23/2018 18:07	WG1101837
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	04/23/2018 18:07	WG1101837
Tetrachloroethene	2.23		0.0152	0.0552	50	04/26/2018 04:51	WG1101837
Toluene	U		0.000479	0.00552	1	04/23/2018 18:07	WG1101837
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	04/23/2018 18:07	WG1101837
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/23/2018 18:07	WG1101837
1,1,1-Trichloroethane	U		0.000316	0.00110	1	04/23/2018 18:07	WG1101837
1,1,2-Trichloroethane	U		0.000306	0.00110	1	04/23/2018 18:07	WG1101837
Trichloroethene	1.80		0.0155	0.0552	50	04/26/2018 04:51	WG1101837
Trichlorofluoromethane	U		0.000422	0.00552	1	04/23/2018 18:07	WG1101837
1,2,3-Trichloropropane	U		0.000818	0.00276	1	04/23/2018 18:07	WG1101837
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/23/2018 18:07	WG1101837
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	04/23/2018 18:07	WG1101837
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	04/23/2018 18:07	WG1101837
Vinyl acetate	U		0.00264	0.0110	1	04/23/2018 18:07	WG1101837
Vinyl chloride	0.00344		0.000321	0.00110	1	04/23/2018 18:07	WG1101837
Xylenes, Total	U		0.000770	0.00331	1	04/23/2018 18:07	WG1101837
(S) Toluene-d8	*108*			*80.0-120*		*04/26/2018 04:51*	WG1101837
(S) Toluene-d8	*102*			*80.0-120*		*04/23/2018 18:07*	WG1101837
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*04/23/2018 18:07*	WG1101837
(S) Dibromofluoromethane	*84.7*			*74.0-131*		*04/26/2018 04:51*	WG1101837
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*		*04/26/2018 04:51*	WG1101837
(S) 4-Bromofluorobenzene	*94.0*			*64.0-132*		*04/23/2018 18:07*	WG1101837

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0115	0.0577	1	04/26/2018 07:18	WG1102608	
Acrylonitrile	U		0.00207	0.0115	1	04/26/2018 07:18	WG1102608	
Benzene	U		0.000312	0.00115	1	04/26/2018 07:18	WG1102608	
Bromobenzene	U		0.000328	0.00115	1	04/26/2018 07:18	WG1102608	
Bromodichloromethane	U		0.000293	0.00115	1	04/26/2018 07:18	WG1102608	
Bromochloromethane	U		0.000450	0.00577	1	04/26/2018 07:18	WG1102608	
Bromoform	U		0.000489	0.00115	1	04/26/2018 07:18	WG1102608	
Bromomethane	U UJ	J0	0.00155	0.00577	1	04/26/2018 07:18	WG1102608	
n-Butylbenzene	U		0.000298	0.00115	1	04/26/2018 07:18	WG1102608	
sec-Butylbenzene	U		0.000232	0.00115	1	04/26/2018 07:18	WG1102608	
tert-Butylbenzene	U		0.000238	0.00115	1	04/26/2018 07:18	WG1102608	
Carbon disulfide	0.000545 J	J	0.000255	0.00115	1	04/26/2018 07:18	WG1102608	
Carbon tetrachloride	U		0.000379	0.00115	1	04/26/2018 07:18	WG1102608	
Chlorobenzene	U		0.000245	0.00115	1	04/26/2018 07:18	WG1102608	
Chlorodibromomethane	U		0.000431	0.00115	1	04/26/2018 07:18	WG1102608	
Chloroethane	U UJ	J0	0.00109	0.00577	1	04/26/2018 07:18	WG1102608	
Chloroform	U		0.000264	0.00577	1	04/26/2018 07:18	WG1102608	
Chloromethane	U		0.000433	0.00289	1	04/26/2018 07:18	WG1102608	
2-Chlorotoluene	U		0.000347	0.00115	1	04/26/2018 07:18	WG1102608	
4-Chlorotoluene	U		0.000277	0.00115	1	04/26/2018 07:18	WG1102608	
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	04/26/2018 07:18	WG1102608	
1,2-Dibromoethane	U		0.000396	0.00115	1	04/26/2018 07:18	WG1102608	JC 5/13/18
Dibromomethane	U		0.000441	0.00115	1	04/26/2018 07:18	WG1102608	
1,2-Dichlorobenzene	U		0.000352	0.00115	1	04/26/2018 07:18	WG1102608	
1,3-Dichlorobenzene	U		0.000276	0.00115	1	04/26/2018 07:18	WG1102608	
1,4-Dichlorobenzene	U		0.000261	0.00115	1	04/26/2018 07:18	WG1102608	
Dichlorodifluoromethane	U		0.000823	0.00577	1	04/26/2018 07:18	WG1102608	
1,1-Dichloroethane	U		0.000230	0.00115	1	04/26/2018 07:18	WG1102608	
1,2-Dichloroethane	U		0.000306	0.00115	1	04/26/2018 07:18	WG1102608	
1,1-Dichloroethene	U		0.000350	0.00115	1	04/26/2018 07:18	WG1102608	
cis-1,2-Dichloroethene	0.106		0.000271	0.00115	1	04/26/2018 07:18	WG1102608	
trans-1,2-Dichloroethene	0.000725 J	J	0.000305	0.00115	1	04/26/2018 07:18	WG1102608	
1,2-Dichloropropane	U		0.000413	0.00115	1	04/26/2018 07:18	WG1102608	
1,1-Dichloropropene	U		0.000366	0.00115	1	04/26/2018 07:18	WG1102608	
1,3-Dichloropropane	U		0.000239	0.00115	1	04/26/2018 07:18	WG1102608	
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/26/2018 07:18	WG1102608	
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	04/26/2018 07:18	WG1102608	
trans-1,4-Dichloro-2-butene	U		0.000898	0.00289	1	04/26/2018 07:18	WG1102608	
2,2-Dichloropropane	U		0.000322	0.00115	1	04/26/2018 07:18	WG1102608	
Di-isopropyl ether	U		0.000286	0.00115	1	04/26/2018 07:18	WG1102608	
Ethylbenzene	U		0.000343	0.00115	1	04/26/2018 07:18	WG1102608	
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	04/26/2018 07:18	WG1102608	
2-Hexanone	U		0.00158	0.0115	1	04/26/2018 07:18	WG1102608	
n-Hexane	0.000422 J	J	0.000335	0.0115	1	04/26/2018 07:18	WG1102608	
Iodomethane	U		0.00292	0.0115	1	04/26/2018 07:18	WG1102608	
Isopropylbenzene	U		0.000281	0.00115	1	04/26/2018 07:18	WG1102608	
p-Isopropyltoluene	U		0.000235	0.00115	1	04/26/2018 07:18	WG1102608	
2-Butanone (MEK)	U		0.00540	0.0115	1	04/26/2018 07:18	WG1102608	
Methylene Chloride	U		0.00115	0.00577	1	04/26/2018 07:18	WG1102608	
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	04/26/2018 07:18	WG1102608	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000245	0.00115	1	04/26/2018 07:18	WG1102608
Naphthalene	U		0.00115	0.00577	1	04/26/2018 07:18	WG1102608
n-Propylbenzene	U		0.000238	0.00115	1	04/26/2018 07:18	WG1102608
Styrene	U		0.000270	0.00115	1	04/26/2018 07:18	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	04/26/2018 07:18	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	04/26/2018 07:18	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	04/26/2018 07:18	WG1102608
Tetrachloroethene	0.0140		0.000319	0.00115	1	04/26/2018 07:18	WG1102608
Toluene	U		0.000501	0.00577	1	04/26/2018 07:18	WG1102608
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	04/26/2018 07:18	WG1102608
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	04/26/2018 07:18	WG1102608
1,1,1-Trichloroethane	U		0.000330	0.00115	1	04/26/2018 07:18	WG1102608
1,1,2-Trichloroethane	U		0.000320	0.00115	1	04/26/2018 07:18	WG1102608
Trichloroethene	0.0277		0.000322	0.00115	1	04/26/2018 07:18	WG1102608
Trichlorofluoromethane	U		0.000441	0.00577	1	04/26/2018 07:18	WG1102608
1,2,3-Trichloropropane	U		0.000855	0.00289	1	04/26/2018 07:18	WG1102608
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	04/26/2018 07:18	WG1102608
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	04/26/2018 07:18	WG1102608
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	04/26/2018 07:18	WG1102608
Vinyl acetate	U		0.00276	0.0115	1	04/26/2018 07:18	WG1102608
Vinyl chloride	0.00270		0.000336	0.00115	1	04/26/2018 07:18	WG1102608
Xylenes, Total	U		0.000806	0.00346	1	04/26/2018 07:18	WG1102608
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 07:18*	WG1102608
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*04/26/2018 07:18*	WG1102608
(S) 4-Bromofluorobenzene	*93.5*			*64.0-132*		*04/26/2018 07:18*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0112	0.0562	1	04/26/2018 07:40	WG1102608	
Acrylonitrile	U		0.00201	0.0112	1	04/26/2018 07:40	WG1102608	
Benzene	U		0.000303	0.00112	1	04/26/2018 07:40	WG1102608	
Bromobenzene	U		0.000319	0.00112	1	04/26/2018 07:40	WG1102608	
Bromodichloromethane	U		0.000285	0.00112	1	04/26/2018 07:40	WG1102608	
Bromochloromethane	U		0.000438	0.00562	1	04/26/2018 07:40	WG1102608	
Bromoform	U		0.000476	0.00112	1	04/26/2018 07:40	WG1102608	
Bromomethane	U UJ	J0	0.00151	0.00562	1	04/26/2018 07:40	WG1102608	
n-Butylbenzene	U		0.000290	0.00112	1	04/26/2018 07:40	WG1102608	
sec-Butylbenzene	U		0.000226	0.00112	1	04/26/2018 07:40	WG1102608	
tert-Butylbenzene	U		0.000231	0.00112	1	04/26/2018 07:40	WG1102608	
Carbon disulfide	U		0.000248	0.00112	1	04/26/2018 07:40	WG1102608	
Carbon tetrachloride	U		0.000369	0.00112	1	04/26/2018 07:40	WG1102608	
Chlorobenzene	U		0.000238	0.00112	1	04/26/2018 07:40	WG1102608	
Chlorodibromomethane	U		0.000419	0.00112	1	04/26/2018 07:40	WG1102608	
Chloroethane	U UJ	J0	0.00106	0.00562	1	04/26/2018 07:40	WG1102608	
Chloroform	U		0.000257	0.00562	1	04/26/2018 07:40	WG1102608	
Chloromethane	U		0.000421	0.00281	1	04/26/2018 07:40	WG1102608	
2-Chlorotoluene	U		0.000338	0.00112	1	04/26/2018 07:40	WG1102608	
4-Chlorotoluene	U		0.000270	0.00112	1	04/26/2018 07:40	WG1102608	
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	04/26/2018 07:40	WG1102608	
1,2-Dibromoethane	U		0.000385	0.00112	1	04/26/2018 07:40	WG1102608	
Dibromomethane	U		0.000429	0.00112	1	04/26/2018 07:40	WG1102608	
1,2-Dichlorobenzene	U		0.000343	0.00112	1	04/26/2018 07:40	WG1102608	
1,3-Dichlorobenzene	U		0.000269	0.00112	1	04/26/2018 07:40	WG1102608	
1,4-Dichlorobenzene	U		0.000254	0.00112	1	04/26/2018 07:40	WG1102608	
Dichlorodifluoromethane	U		0.000801	0.00562	1	04/26/2018 07:40	WG1102608	
1,1-Dichloroethane	U		0.000224	0.00112	1	04/26/2018 07:40	WG1102608	
1,2-Dichloroethane	U		0.000298	0.00112	1	04/26/2018 07:40	WG1102608	
1,1-Dichloroethene	U		0.000340	0.00112	1	04/26/2018 07:40	WG1102608	
cis-1,2-Dichloroethene	0.00473		0.000264	0.00112	1	04/26/2018 07:40	WG1102608	
trans-1,2-Dichloroethene	U		0.000297	0.00112	1	04/26/2018 07:40	WG1102608	
1,2-Dichloropropane	U		0.000402	0.00112	1	04/26/2018 07:40	WG1102608	
1,1-Dichloropropene	U		0.000356	0.00112	1	04/26/2018 07:40	WG1102608	
1,3-Dichloropropane	U		0.000233	0.00112	1	04/26/2018 07:40	WG1102608	
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/26/2018 07:40	WG1102608	
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	04/26/2018 07:40	WG1102608	
trans-1,4-Dichloro-2-butene	U		0.000874	0.00281	1	04/26/2018 07:40	WG1102608	
2,2-Dichloropropane	U		0.000313	0.00112	1	04/26/2018 07:40	WG1102608	
Di-isopropyl ether	U		0.000279	0.00112	1	04/26/2018 07:40	WG1102608	
Ethylbenzene	U		0.000334	0.00112	1	04/26/2018 07:40	WG1102608	
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/26/2018 07:40	WG1102608	
2-Hexanone	U		0.00154	0.0112	1	04/26/2018 07:40	WG1102608	
n-Hexane	U		0.000326	0.0112	1	04/26/2018 07:40	WG1102608	
Iodomethane	U		0.00284	0.0112	1	04/26/2018 07:40	WG1102608	
Isopropylbenzene	U		0.000273	0.00112	1	04/26/2018 07:40	WG1102608	
p-Isopropyltoluene	U		0.000229	0.00112	1	04/26/2018 07:40	WG1102608	
2-Butanone (MEK)	U		0.00526	0.0112	1	04/26/2018 07:40	WG1102608	
Methylene Chloride	U		0.00112	0.00562	1	04/26/2018 07:40	WG1102608	JC 5/13/18
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/26/2018 07:40	WG1102608	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/26/2018 07:40	WG1102608
Naphthalene	U		0.00112	0.00562	1	04/26/2018 07:40	WG1102608
n-Propylbenzene	U		0.000231	0.00112	1	04/26/2018 07:40	WG1102608
Styrene	U		0.000263	0.00112	1	04/26/2018 07:40	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	04/26/2018 07:40	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	04/26/2018 07:40	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	04/26/2018 07:40	WG1102608
Tetrachloroethene	0.000610	J J	0.000310	0.00112	1	04/26/2018 07:40	WG1102608
Toluene	U		0.000488	0.00562	1	04/26/2018 07:40	WG1102608
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	04/26/2018 07:40	WG1102608
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	04/26/2018 07:40	WG1102608
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/26/2018 07:40	WG1102608
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/26/2018 07:40	WG1102608
Trichloroethene	0.00104	J J	0.000313	0.00112	1	04/26/2018 07:40	WG1102608
Trichlorofluoromethane	U		0.000429	0.00562	1	04/26/2018 07:40	WG1102608
1,2,3-Trichloropropane	U		0.000833	0.00281	1	04/26/2018 07:40	WG1102608
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/26/2018 07:40	WG1102608
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/26/2018 07:40	WG1102608
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	04/26/2018 07:40	WG1102608
Vinyl acetate	U		0.00269	0.0112	1	04/26/2018 07:40	WG1102608
Vinyl chloride	U		0.000327	0.00112	1	04/26/2018 07:40	WG1102608
Xylenes, Total	U		0.000784	0.00337	1	04/26/2018 07:40	WG1102608
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 07:40*	WG1102608
(S) Dibromofluoromethane	*92.8*			*74.0-131*		*04/26/2018 07:40*	WG1102608
(S) 4-Bromofluorobenzene	*93.5*			*64.0-132*		*04/26/2018 07:40*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0115	0.0575	1	04/26/2018 08:01	WG1102608	
Acrylonitrile	U		0.00206	0.0115	1	04/26/2018 08:01	WG1102608	
Benzene	U		0.000310	0.00115	1	04/26/2018 08:01	WG1102608	
Bromobenzene	U		0.000326	0.00115	1	04/26/2018 08:01	WG1102608	
Bromodichloromethane	U		0.000292	0.00115	1	04/26/2018 08:01	WG1102608	
Bromochloromethane	U		0.000448	0.00575	1	04/26/2018 08:01	WG1102608	
Bromoform	U		0.000487	0.00115	1	04/26/2018 08:01	WG1102608	
Bromomethane	U UJ	J0	0.00154	0.00575	1	04/26/2018 08:01	WG1102608	
n-Butylbenzene	U		0.000297	0.00115	1	04/26/2018 08:01	WG1102608	
sec-Butylbenzene	U		0.000231	0.00115	1	04/26/2018 08:01	WG1102608	
tert-Butylbenzene	U		0.000237	0.00115	1	04/26/2018 08:01	WG1102608	
Carbon disulfide	U		0.000254	0.00115	1	04/26/2018 08:01	WG1102608	
Carbon tetrachloride	U		0.000377	0.00115	1	04/26/2018 08:01	WG1102608	
Chlorobenzene	U		0.000244	0.00115	1	04/26/2018 08:01	WG1102608	
Chlorodibromomethane	U		0.000429	0.00115	1	04/26/2018 08:01	WG1102608	
Chloroethane	U UJ	J0	0.00109	0.00575	1	04/26/2018 08:01	WG1102608	
Chloroform	U		0.000263	0.00575	1	04/26/2018 08:01	WG1102608	
Chloromethane	U		0.000431	0.00287	1	04/26/2018 08:01	WG1102608	
2-Chlorotoluene	U		0.000346	0.00115	1	04/26/2018 08:01	WG1102608	
4-Chlorotoluene	U		0.000276	0.00115	1	04/26/2018 08:01	WG1102608	
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	04/26/2018 08:01	WG1102608	
1,2-Dibromoethane	U		0.000394	0.00115	1	04/26/2018 08:01	WG1102608	
Dibromomethane	U		0.000439	0.00115	1	04/26/2018 08:01	WG1102608	
1,2-Dichlorobenzene	U		0.000351	0.00115	1	04/26/2018 08:01	WG1102608	
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/26/2018 08:01	WG1102608	
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/26/2018 08:01	WG1102608	JC 5/13/18
Dichlorodifluoromethane	U		0.000820	0.00575	1	04/26/2018 08:01	WG1102608	
1,1-Dichloroethane	U		0.000229	0.00115	1	04/26/2018 08:01	WG1102608	
1,2-Dichloroethane	U		0.000305	0.00115	1	04/26/2018 08:01	WG1102608	
1,1-Dichloroethene	U		0.000348	0.00115	1	04/26/2018 08:01	WG1102608	
cis-1,2-Dichloroethene	0.000785 J	J	0.000270	0.00115	1	04/26/2018 08:01	WG1102608	
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	04/26/2018 08:01	WG1102608	
1,2-Dichloropropane	U		0.000412	0.00115	1	04/26/2018 08:01	WG1102608	
1,1-Dichloropropene	U		0.000364	0.00115	1	04/26/2018 08:01	WG1102608	
1,3-Dichloropropane	U		0.000238	0.00115	1	04/26/2018 08:01	WG1102608	
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	04/26/2018 08:01	WG1102608	
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/26/2018 08:01	WG1102608	
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	04/26/2018 08:01	WG1102608	
2,2-Dichloropropane	U		0.000321	0.00115	1	04/26/2018 08:01	WG1102608	
Di-isopropyl ether	U		0.000285	0.00115	1	04/26/2018 08:01	WG1102608	
Ethylbenzene	U		0.000341	0.00115	1	04/26/2018 08:01	WG1102608	
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	04/26/2018 08:01	WG1102608	
2-Hexanone	U		0.00157	0.0115	1	04/26/2018 08:01	WG1102608	
n-Hexane	U		0.000333	0.0115	1	04/26/2018 08:01	WG1102608	
Iodomethane	U		0.00291	0.0115	1	04/26/2018 08:01	WG1102608	
Isopropylbenzene	U		0.000279	0.00115	1	04/26/2018 08:01	WG1102608	
p-Isopropyltoluene	U		0.000235	0.00115	1	04/26/2018 08:01	WG1102608	
2-Butanone (MEK)	U		0.00538	0.0115	1	04/26/2018 08:01	WG1102608	
Methylene Chloride	U		0.00115	0.00575	1	04/26/2018 08:01	WG1102608	
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/26/2018 08:01	WG1102608	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/26/2018 08:01	WG1102608
Naphthalene	U		0.00115	0.00575	1	04/26/2018 08:01	WG1102608
n-Propylbenzene	U		0.000237	0.00115	1	04/26/2018 08:01	WG1102608
Styrene	U		0.000269	0.00115	1	04/26/2018 08:01	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	04/26/2018 08:01	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	04/26/2018 08:01	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	04/26/2018 08:01	WG1102608
Tetrachloroethene	U		0.000317	0.00115	1	04/26/2018 08:01	WG1102608
Toluene	U		0.000499	0.00575	1	04/26/2018 08:01	WG1102608
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/26/2018 08:01	WG1102608
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	04/26/2018 08:01	WG1102608
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/26/2018 08:01	WG1102608
1,1,2-Trichloroethane	U		0.000318	0.00115	1	04/26/2018 08:01	WG1102608
Trichloroethene	0.000401 J	J	0.000321	0.00115	1	04/26/2018 08:01	WG1102608
Trichlorofluoromethane	U		0.000439	0.00575	1	04/26/2018 08:01	WG1102608
1,2,3-Trichloropropane	U		0.000852	0.00287	1	04/26/2018 08:01	WG1102608
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/26/2018 08:01	WG1102608
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/26/2018 08:01	WG1102608
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/26/2018 08:01	WG1102608
Vinyl acetate	U		0.00275	0.0115	1	04/26/2018 08:01	WG1102608
Vinyl chloride	U		0.000335	0.00115	1	04/26/2018 08:01	WG1102608
Xylenes, Total	U		0.000802	0.00345	1	04/26/2018 08:01	WG1102608
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 08:01*	WG1102608
(S) Dibromofluoromethane	*92.8*			*74.0-131*		*04/26/2018 08:01*	WG1102608
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*		*04/26/2018 08:01*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0113	0.0566	1	04/26/2018 08:23	WG1102608
Acrylonitrile	U		0.00203	0.0113	1	04/26/2018 08:23	WG1102608
Benzene	U		0.000306	0.00113	1	04/26/2018 08:23	WG1102608
Bromobenzene	U		0.000322	0.00113	1	04/26/2018 08:23	WG1102608
Bromodichloromethane	U		0.000288	0.00113	1	04/26/2018 08:23	WG1102608
Bromochloromethane	U		0.000442	0.00566	1	04/26/2018 08:23	WG1102608
Bromoform	U		0.000480	0.00113	1	04/26/2018 08:23	WG1102608
Bromomethane	U	UJ J0	0.00152	0.00566	1	04/26/2018 08:23	WG1102608
n-Butylbenzene	U		0.000292	0.00113	1	04/26/2018 08:23	WG1102608
sec-Butylbenzene	U		0.000228	0.00113	1	04/26/2018 08:23	WG1102608
tert-Butylbenzene	U		0.000233	0.00113	1	04/26/2018 08:23	WG1102608
Carbon disulfide	U		0.000250	0.00113	1	04/26/2018 08:23	WG1102608
Carbon tetrachloride	U		0.000372	0.00113	1	04/26/2018 08:23	WG1102608
Chlorobenzene	U		0.000240	0.00113	1	04/26/2018 08:23	WG1102608
Chlorodibromomethane	U		0.000423	0.00113	1	04/26/2018 08:23	WG1102608
Chloroethane	U	UJ J0	0.00107	0.00566	1	04/26/2018 08:23	WG1102608
Chloroform	U		0.000259	0.00566	1	04/26/2018 08:23	WG1102608
Chloromethane	U		0.000425	0.00283	1	04/26/2018 08:23	WG1102608
2-Chlorotoluene	U		0.000341	0.00113	1	04/26/2018 08:23	WG1102608
4-Chlorotoluene	U		0.000272	0.00113	1	04/26/2018 08:23	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	04/26/2018 08:23	WG1102608
1,2-Dibromoethane	U		0.000389	0.00113	1	04/26/2018 08:23	WG1102608
Dibromomethane	U		0.000433	0.00113	1	04/26/2018 08:23	WG1102608
1,2-Dichlorobenzene	U		0.000346	0.00113	1	04/26/2018 08:23	WG1102608
1,3-Dichlorobenzene	U		0.000271	0.00113	1	04/26/2018 08:23	WG1102608
1,4-Dichlorobenzene	U		0.000256	0.00113	1	04/26/2018 08:23	WG1102608
Dichlorodifluoromethane	U		0.000808	0.00566	1	04/26/2018 08:23	WG1102608
1,1-Dichloroethane	U		0.000225	0.00113	1	04/26/2018 08:23	WG1102608
1,2-Dichloroethane	U		0.000300	0.00113	1	04/26/2018 08:23	WG1102608
1,1-Dichloroethene	U		0.000343	0.00113	1	04/26/2018 08:23	WG1102608
cis-1,2-Dichloroethene	0.00227		0.000266	0.00113	1	04/26/2018 08:23	WG1102608
trans-1,2-Dichloroethene	U		0.000299	0.00113	1	04/26/2018 08:23	WG1102608
1,2-Dichloropropane	U		0.000406	0.00113	1	04/26/2018 08:23	WG1102608
1,1-Dichloropropene	U		0.000359	0.00113	1	04/26/2018 08:23	WG1102608
1,3-Dichloropropane	U		0.000235	0.00113	1	04/26/2018 08:23	WG1102608
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	04/26/2018 08:23	WG1102608
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	04/26/2018 08:23	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000881	0.00283	1	04/26/2018 08:23	WG1102608
2,2-Dichloropropane	U		0.000316	0.00113	1	04/26/2018 08:23	WG1102608
Di-isopropyl ether	U		0.000281	0.00113	1	04/26/2018 08:23	WG1102608
Ethylbenzene	U		0.000336	0.00113	1	04/26/2018 08:23	WG1102608
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	04/26/2018 08:23	WG1102608
2-Hexanone	U		0.00155	0.0113	1	04/26/2018 08:23	WG1102608
n-Hexane	U		0.000329	0.0113	1	04/26/2018 08:23	WG1102608
Iodomethane	U		0.00287	0.0113	1	04/26/2018 08:23	WG1102608
Isopropylbenzene	U		0.000275	0.00113	1	04/26/2018 08:23	WG1102608
p-Isopropyltoluene	U		0.000231	0.00113	1	04/26/2018 08:23	WG1102608
2-Butanone (MEK)	U		0.00530	0.0113	1	04/26/2018 08:23	WG1102608
Methylene Chloride	U		0.00113	0.00566	1	04/26/2018 08:23	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	04/26/2018 08:23	WG1102608

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000240	0.00113	1	04/26/2018 08:23	WG1102608
Naphthalene	U		0.00113	0.00566	1	04/26/2018 08:23	WG1102608
n-Propylbenzene	U		0.000233	0.00113	1	04/26/2018 08:23	WG1102608
Styrene	U		0.000265	0.00113	1	04/26/2018 08:23	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	04/26/2018 08:23	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	04/26/2018 08:23	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	04/26/2018 08:23	WG1102608
Tetrachloroethene	0.00552		0.000313	0.00113	1	04/26/2018 08:23	WG1102608
Toluene	U		0.000492	0.00566	1	04/26/2018 08:23	WG1102608
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	04/26/2018 08:23	WG1102608
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	04/26/2018 08:23	WG1102608
1,1,1-Trichloroethane	U		0.000324	0.00113	1	04/26/2018 08:23	WG1102608
1,1,2-Trichloroethane	U		0.000314	0.00113	1	04/26/2018 08:23	WG1102608
Trichloroethene	0.00374		0.000316	0.00113	1	04/26/2018 08:23	WG1102608
Trichlorofluoromethane	U		0.000433	0.00566	1	04/26/2018 08:23	WG1102608
1,2,3-Trichloropropane	U		0.000840	0.00283	1	04/26/2018 08:23	WG1102608
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	04/26/2018 08:23	WG1102608
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	04/26/2018 08:23	WG1102608
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	04/26/2018 08:23	WG1102608
Vinyl acetate	U		0.00271	0.0113	1	04/26/2018 08:23	WG1102608
Vinyl chloride	0.00127		0.000330	0.00113	1	04/26/2018 08:23	WG1102608
Xylenes, Total	U		0.000791	0.00340	1	04/26/2018 08:23	WG1102608
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 08:23*	WG1102608
(S) Dibromofluoromethane	*92.9*			*74.0-131*		*04/26/2018 08:23*	WG1102608
(S) 4-Bromofluorobenzene	*91.0*			*64.0-132*		*04/26/2018 08:23*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0117	0.0586	1	04/26/2018 08:44	WG1102608
Acrylonitrile	U		0.00210	0.0117	1	04/26/2018 08:44	WG1102608
Benzene	U		0.000316	0.00117	1	04/26/2018 08:44	WG1102608
Bromobenzene	U		0.000333	0.00117	1	04/26/2018 08:44	WG1102608
Bromodichloromethane	U		0.000298	0.00117	1	04/26/2018 08:44	WG1102608
Bromochloromethane	U		0.000457	0.00586	1	04/26/2018 08:44	WG1102608
Bromoform	U		0.000497	0.00117	1	04/26/2018 08:44	WG1102608
Bromomethane	U	UJ J0	0.00157	0.00586	1	04/26/2018 08:44	WG1102608
n-Butylbenzene	U		0.000302	0.00117	1	04/26/2018 08:44	WG1102608
sec-Butylbenzene	U		0.000236	0.00117	1	04/26/2018 08:44	WG1102608
tert-Butylbenzene	U		0.000241	0.00117	1	04/26/2018 08:44	WG1102608
Carbon disulfide	U		0.000259	0.00117	1	04/26/2018 08:44	WG1102608
Carbon tetrachloride	U		0.000384	0.00117	1	04/26/2018 08:44	WG1102608
Chlorobenzene	U		0.000248	0.00117	1	04/26/2018 08:44	WG1102608
Chlorodibromomethane	U		0.000437	0.00117	1	04/26/2018 08:44	WG1102608
Chloroethane	U	UJ J0	0.00111	0.00586	1	04/26/2018 08:44	WG1102608
Chloroform	U		0.000268	0.00586	1	04/26/2018 08:44	WG1102608
Chloromethane	U		0.000439	0.00293	1	04/26/2018 08:44	WG1102608
2-Chlorotoluene	U		0.000353	0.00117	1	04/26/2018 08:44	WG1102608
4-Chlorotoluene	U		0.000281	0.00117	1	04/26/2018 08:44	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00586	1	04/26/2018 08:44	WG1102608
1,2-Dibromoethane	U		0.000402	0.00117	1	04/26/2018 08:44	WG1102608
Dibromomethane	U		0.000448	0.00117	1	04/26/2018 08:44	WG1102608
1,2-Dichlorobenzene	U		0.000357	0.00117	1	04/26/2018 08:44	WG1102608
1,3-Dichlorobenzene	U		0.000280	0.00117	1	04/26/2018 08:44	WG1102608
1,4-Dichlorobenzene	U		0.000265	0.00117	1	04/26/2018 08:44	WG1102608
Dichlorodifluoromethane	U		0.000835	0.00586	1	04/26/2018 08:44	WG1102608
1,1-Dichloroethane	U		0.000233	0.00117	1	04/26/2018 08:44	WG1102608
1,2-Dichloroethane	U		0.000311	0.00117	1	04/26/2018 08:44	WG1102608
1,1-Dichloroethene	U		0.000355	0.00117	1	04/26/2018 08:44	WG1102608
cis-1,2-Dichloroethene	U		0.000275	0.00117	1	04/26/2018 08:44	WG1102608
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	04/26/2018 08:44	WG1102608
1,2-Dichloropropane	U		0.000419	0.00117	1	04/26/2018 08:44	WG1102608
1,1-Dichloropropene	U		0.000371	0.00117	1	04/26/2018 08:44	WG1102608
1,3-Dichloropropane	U		0.000243	0.00117	1	04/26/2018 08:44	WG1102608
cis-1,3-Dichloropropene	U		0.000307	0.00117	1	04/26/2018 08:44	WG1102608
trans-1,3-Dichloropropene	U		0.000313	0.00117	1	04/26/2018 08:44	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000912	0.00293	1	04/26/2018 08:44	WG1102608
2,2-Dichloropropane	U		0.000327	0.00117	1	04/26/2018 08:44	WG1102608
Di-isopropyl ether	U		0.000291	0.00117	1	04/26/2018 08:44	WG1102608
Ethylbenzene	U		0.000348	0.00117	1	04/26/2018 08:44	WG1102608
Hexachloro-1,3-butadiene	U		0.000401	0.00117	1	04/26/2018 08:44	WG1102608
2-Hexanone	U		0.00161	0.0117	1	04/26/2018 08:44	WG1102608
n-Hexane	U		0.000340	0.0117	1	04/26/2018 08:44	WG1102608
Iodomethane	U		0.00296	0.0117	1	04/26/2018 08:44	WG1102608
Isopropylbenzene	U		0.000285	0.00117	1	04/26/2018 08:44	WG1102608
p-Isopropyltoluene	U		0.000239	0.00117	1	04/26/2018 08:44	WG1102608
2-Butanone (MEK)	U		0.00548	0.0117	1	04/26/2018 08:44	WG1102608
Methylene Chloride	U		0.00117	0.00586	1	04/26/2018 08:44	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	04/26/2018 08:44	WG1102608

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	04/26/2018 08:44	WG1102608
Naphthalene	U		0.00117	0.00586	1	04/26/2018 08:44	WG1102608
n-Propylbenzene	U		0.000241	0.00117	1	04/26/2018 08:44	WG1102608
Styrene	U		0.000274	0.00117	1	04/26/2018 08:44	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	04/26/2018 08:44	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000428	0.00117	1	04/26/2018 08:44	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000428	0.00117	1	04/26/2018 08:44	WG1102608
Tetrachloroethene	U		0.000323	0.00117	1	04/26/2018 08:44	WG1102608
Toluene	U		0.000509	0.00586	1	04/26/2018 08:44	WG1102608
1,2,3-Trichlorobenzene	U		0.000359	0.00117	1	04/26/2018 08:44	WG1102608
1,2,4-Trichlorobenzene	U		0.000455	0.00117	1	04/26/2018 08:44	WG1102608
1,1,1-Trichloroethane	U		0.000335	0.00117	1	04/26/2018 08:44	WG1102608
1,1,2-Trichloroethane	U		0.000325	0.00117	1	04/26/2018 08:44	WG1102608
Trichloroethene	U		0.000327	0.00117	1	04/26/2018 08:44	WG1102608
Trichlorofluoromethane	U		0.000448	0.00586	1	04/26/2018 08:44	WG1102608
1,2,3-Trichloropropane	U		0.000868	0.00293	1	04/26/2018 08:44	WG1102608
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	04/26/2018 08:44	WG1102608
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	04/26/2018 08:44	WG1102608
1,3,5-Trimethylbenzene	U		0.000312	0.00117	1	04/26/2018 08:44	WG1102608
Vinyl acetate	U		0.00280	0.0117	1	04/26/2018 08:44	WG1102608
Vinyl chloride	U		0.000341	0.00117	1	04/26/2018 08:44	WG1102608
Xylenes, Total	U		0.000818	0.00352	1	04/26/2018 08:44	WG1102608
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 08:44*	WG1102608
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*04/26/2018 08:44*	WG1102608
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*04/26/2018 08:44*	WG1102608

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/24/2018 14:33	WG1102311
Acrylonitrile	U		0.873	5.00	1	04/24/2018 14:33	WG1102311
Benzene	U		0.0896	0.500	1	04/24/2018 14:33	WG1102311
Bromobenzene	U		0.133	0.500	1	04/24/2018 14:33	WG1102311
Bromodichloromethane	U		0.0800	0.500	1	04/24/2018 14:33	WG1102311
Bromochloromethane	U		0.145	0.500	1	04/24/2018 14:33	WG1102311
Bromoform	U		0.186	0.500	1	04/24/2018 14:33	WG1102311
Bromomethane	U		0.157	2.50	1	04/24/2018 14:33	WG1102311
n-Butylbenzene	U		0.143	0.500	1	04/24/2018 14:33	WG1102311
sec-Butylbenzene	U		0.134	0.500	1	04/24/2018 14:33	WG1102311
tert-Butylbenzene	U		0.183	0.500	1	04/24/2018 14:33	WG1102311
Carbon disulfide	U		0.101	0.500	1	04/24/2018 14:33	WG1102311
Carbon tetrachloride	U		0.159	0.500	1	04/24/2018 14:33	WG1102311
Chlorobenzene	U		0.140	0.500	1	04/24/2018 14:33	WG1102311
Chlorodibromomethane	U		0.128	0.500	1	04/24/2018 14:33	WG1102311
Chloroethane	U		0.141	2.50	1	04/24/2018 14:33	WG1102311
Chloroform	U		0.0860	0.500	1	04/24/2018 14:33	WG1102311
Chloromethane	U		0.153	1.25	1	04/24/2018 14:33	WG1102311
2-Chlorotoluene	U		0.111	0.500	1	04/24/2018 14:33	WG1102311
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2018 14:33	WG1102311
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2018 14:33	WG1102311
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2018 14:33	WG1102311
Dibromomethane	U		0.117	0.500	1	04/24/2018 14:33	WG1102311
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2018 14:33	WG1102311
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2018 14:33	WG1102311
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2018 14:33	WG1102311
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2018 14:33	WG1102311
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2018 14:33	WG1102311
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2018 14:33	WG1102311
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2018 14:33	WG1102311
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2018 14:33	WG1102311
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2018 14:33	WG1102311
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2018 14:33	WG1102311
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2018 14:33	WG1102311
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2018 14:33	WG1102311
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2018 14:33	WG1102311
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2018 14:33	WG1102311
trans-1,4-Dichloro-2-butene	U	UJ J0 J4	0.257	5.00	1	04/24/2018 14:33	WG1102311
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2018 14:33	WG1102311
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2018 14:33	WG1102311
Ethylbenzene	U		0.158	0.500	1	04/24/2018 14:33	WG1102311
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2018 14:33	WG1102311
2-Hexanone	U		0.757	5.00	1	04/24/2018 14:33	WG1102311
n-Hexane	U		0.305	5.00	1	04/24/2018 14:33	WG1102311
Iodomethane	U		0.377	10.0	1	04/24/2018 14:33	WG1102311
Isopropylbenzene	U		0.126	0.500	1	04/24/2018 14:33	WG1102311
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2018 14:33	WG1102311
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2018 14:33	WG1102311
Methylene Chloride	U		1.07	2.50	1	04/24/2018 14:33	WG1102311
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2018 14:33	WG1102311
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2018 14:33	WG1102311
Naphthalene	U		0.174	2.50	1	04/24/2018 14:33	WG1102311
n-Propylbenzene	U		0.162	0.500	1	04/24/2018 14:33	WG1102311
Styrene	U		0.117	0.500	1	04/24/2018 14:33	WG1102311
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2018 14:33	WG1102311
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2018 14:33	WG1102311

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2018 14:33	WG1102311
Tetrachloroethene	U		0.199	0.500	1	04/24/2018 14:33	WG1102311
Toluene	U		0.412	0.500	1	04/24/2018 14:33	WG1102311
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2018 14:33	WG1102311
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2018 14:33	WG1102311
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2018 14:33	WG1102311
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2018 14:33	WG1102311
Trichloroethene	U		0.153	0.500	1	04/24/2018 14:33	WG1102311
Trichlorofluoromethane	U		0.130	2.50	1	04/24/2018 14:33	WG1102311
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2018 14:33	WG1102311
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2018 14:33	WG1102311
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2018 14:33	WG1102311
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2018 14:33	WG1102311
Vinyl acetate	U		0.645	5.00	1	04/24/2018 14:33	WG1102311
Vinyl chloride	U		0.118	0.500	1	04/24/2018 14:33	WG1102311
Xylenes, Total	U		0.316	1.50	1	04/24/2018 14:33	WG1102311
(S) Toluene-d8	*92.5*			*80.0-120*		*04/24/2018 14:33*	WG1102311
(S) Dibromofluoromethane	*112*			*76.0-123*		*04/24/2018 14:33*	WG1102311
(S) 4-Bromofluorobenzene	*99.2*			*80.0-120*		*04/24/2018 14:33*	WG1102311

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ANALYTICAL REPORT

April 30, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L987923
Samples Received:	04/21/2018
Project Number:	1413.001.05.601
Description:	

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

B-247-5 L987923-01 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 09:35 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/20/18 09:35	04/26/18 09:05	ACG

B-247-10 L987923-02 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 09:45 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/20/18 09:45	04/26/18 09:26	ACG

B-247-15 L987923-03 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 09:55 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/20/18 09:55	04/26/18 09:47	ACG

B-247-20 L987923-04 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 10:05 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/20/18 10:05	04/26/18 10:09	ACG

B-247-25 L987923-05 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 10:15 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103332	1	04/26/18 11:19	04/26/18 11:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/20/18 10:15	04/26/18 10:30	ACG

B-247-30 L987923-06 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 10:25 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/20/18 10:25	04/26/18 10:51	ACG

B-247-35 L987923-07 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 10:30 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102608	1	04/20/18 10:30	04/26/18 11:12	ACG

B-247-40 L987923-08 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 10:35 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 10:35	04/26/18 18:38	JAH

B-247-45 L987923-09 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 11:00 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 11:00	04/26/18 18:59	JAH

B-247-50 L987923-10 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 11:10 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 11:10	04/26/18 19:20	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	100	04/20/18 11:10	04/28/18 14:01	BMB

B-247-55 L987923-11 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 11:20 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 11:20	04/26/18 19:42	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 11:20	04/28/18 13:40	BMB

B-247-60 L987923-12 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 11:35 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 11:35	04/26/18 20:03	JAH

B-247-65 L987923-13 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 11:45 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 11:45	04/26/18 20:24	JAH

B-247-70 L987923-14 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/20/18 12:45 | Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 12:45	04/26/18 20:45	JAH

B-247-75 L987923-15 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/20/18 13:05
Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103333	1	04/26/18 10:57	04/26/18 11:13	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 13:05	04/26/18 21:06	JAH

B-247-80 L987923-16 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/20/18 13:50
Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103334	1	04/26/18 10:38	04/26/18 10:54	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 13:50	04/26/18 21:27	JAH

B-909-20 L987923-17 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/20/18 16:10
Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1103334	1	04/26/18 10:38	04/26/18 10:54	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103312	1	04/20/18 16:10	04/26/18 21:48	JAH

TRIP BLANK L987923-18 GW

Collected by: Rachel McLaughlin
Collected date/time: 04/20/18 00:00
Received date/time: 04/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1102311	1	04/24/18 15:16	04/24/18 15:16	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0126	J J0	0.0114	0.0568	1	04/26/2018 09:05	WG1102608
Acrylonitrile	U		0.00203	0.0114	1	04/26/2018 09:05	WG1102608
Benzene	U		0.000306	0.00114	1	04/26/2018 09:05	WG1102608
Bromobenzene	U		0.000322	0.00114	1	04/26/2018 09:05	WG1102608
Bromodichloromethane	U		0.000288	0.00114	1	04/26/2018 09:05	WG1102608
Bromochloromethane	U		0.000443	0.00568	1	04/26/2018 09:05	WG1102608
Bromoform	U		0.000481	0.00114	1	04/26/2018 09:05	WG1102608
Bromomethane	U	J0	0.00152	0.00568	1	04/26/2018 09:05	WG1102608
n-Butylbenzene	U		0.000293	0.00114	1	04/26/2018 09:05	WG1102608
sec-Butylbenzene	U		0.000228	0.00114	1	04/26/2018 09:05	WG1102608
tert-Butylbenzene	U		0.000234	0.00114	1	04/26/2018 09:05	WG1102608
Carbon disulfide	0.000866	J	0.000251	0.00114	1	04/26/2018 09:05	WG1102608
Carbon tetrachloride	U		0.000372	0.00114	1	04/26/2018 09:05	WG1102608
Chlorobenzene	U		0.000241	0.00114	1	04/26/2018 09:05	WG1102608
Chlorodibromomethane	U		0.000423	0.00114	1	04/26/2018 09:05	WG1102608
Chloroethane	U	J0	0.00107	0.00568	1	04/26/2018 09:05	WG1102608
Chloroform	U		0.000260	0.00568	1	04/26/2018 09:05	WG1102608
Chloromethane	U		0.000426	0.00284	1	04/26/2018 09:05	WG1102608
2-Chlorotoluene	U		0.000342	0.00114	1	04/26/2018 09:05	WG1102608
4-Chlorotoluene	U		0.000272	0.00114	1	04/26/2018 09:05	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	04/26/2018 09:05	WG1102608
1,2-Dibromoethane	U		0.000389	0.00114	1	04/26/2018 09:05	WG1102608
Dibromomethane	U		0.000434	0.00114	1	04/26/2018 09:05	WG1102608
1,2-Dichlorobenzene	U		0.000346	0.00114	1	04/26/2018 09:05	WG1102608
1,3-Dichlorobenzene	U		0.000271	0.00114	1	04/26/2018 09:05	WG1102608
1,4-Dichlorobenzene	U		0.000257	0.00114	1	04/26/2018 09:05	WG1102608
Dichlorodifluoromethane	U		0.000809	0.00568	1	04/26/2018 09:05	WG1102608
1,1-Dichloroethane	U		0.000226	0.00114	1	04/26/2018 09:05	WG1102608
1,2-Dichloroethane	U		0.000301	0.00114	1	04/26/2018 09:05	WG1102608
1,1-Dichloroethene	U		0.000344	0.00114	1	04/26/2018 09:05	WG1102608
cis-1,2-Dichloroethene	0.0478		0.000267	0.00114	1	04/26/2018 09:05	WG1102608
trans-1,2-Dichloroethene	0.000491	J	0.000300	0.00114	1	04/26/2018 09:05	WG1102608
1,2-Dichloropropane	U		0.000406	0.00114	1	04/26/2018 09:05	WG1102608
1,1-Dichloropropene	U		0.000360	0.00114	1	04/26/2018 09:05	WG1102608
1,3-Dichloropropane	U		0.000235	0.00114	1	04/26/2018 09:05	WG1102608
cis-1,3-Dichloropropene	U		0.000297	0.00114	1	04/26/2018 09:05	WG1102608
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	04/26/2018 09:05	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	04/26/2018 09:05	WG1102608
2,2-Dichloropropane	U		0.000317	0.00114	1	04/26/2018 09:05	WG1102608
Di-isopropyl ether	U		0.000282	0.00114	1	04/26/2018 09:05	WG1102608
Ethylbenzene	U		0.000337	0.00114	1	04/26/2018 09:05	WG1102608
Hexachloro-1,3-butadiene	U		0.000388	0.00114	1	04/26/2018 09:05	WG1102608
2-Hexanone	U		0.00156	0.0114	1	04/26/2018 09:05	WG1102608
n-Hexane	U		0.000329	0.0114	1	04/26/2018 09:05	WG1102608
Iodomethane	U		0.00287	0.0114	1	04/26/2018 09:05	WG1102608
Isopropylbenzene	U		0.000276	0.00114	1	04/26/2018 09:05	WG1102608
p-Isopropyltoluene	U		0.000232	0.00114	1	04/26/2018 09:05	WG1102608
2-Butanone (MEK)	U		0.00531	0.0114	1	04/26/2018 09:05	WG1102608
Methylene Chloride	U		0.00114	0.00568	1	04/26/2018 09:05	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0114	1	04/26/2018 09:05	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/26/2018 09:05	WG1102608
Naphthalene	U		0.00114	0.00568	1	04/26/2018 09:05	WG1102608
n-Propylbenzene	U		0.000234	0.00114	1	04/26/2018 09:05	WG1102608
Styrene	U		0.000266	0.00114	1	04/26/2018 09:05	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/26/2018 09:05	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000414	0.00114	1	04/26/2018 09:05	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00114	1	04/26/2018 09:05	WG1102608
Tetrachloroethene	0.0594		0.000313	0.00114	1	04/26/2018 09:05	WG1102608
Toluene	U		0.000493	0.00568	1	04/26/2018 09:05	WG1102608
1,2,3-Trichlorobenzene	U		0.000347	0.00114	1	04/26/2018 09:05	WG1102608
1,2,4-Trichlorobenzene	U		0.000440	0.00114	1	04/26/2018 09:05	WG1102608
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/26/2018 09:05	WG1102608
1,1,2-Trichloroethane	U		0.000314	0.00114	1	04/26/2018 09:05	WG1102608
Trichloroethene	0.00692		0.000317	0.00114	1	04/26/2018 09:05	WG1102608
Trichlorofluoromethane	U		0.000434	0.00568	1	04/26/2018 09:05	WG1102608
1,2,3-Trichloropropane	U		0.000841	0.00284	1	04/26/2018 09:05	WG1102608
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/26/2018 09:05	WG1102608
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	04/26/2018 09:05	WG1102608
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	04/26/2018 09:05	WG1102608
Vinyl acetate	U		0.00271	0.0114	1	04/26/2018 09:05	WG1102608
Vinyl chloride	0.00114		0.000330	0.00114	1	04/26/2018 09:05	WG1102608
Xylenes, Total	U		0.000792	0.00341	1	04/26/2018 09:05	WG1102608
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 09:05*	WG1102608
(S) Dibromofluoromethane	*92.6*			*74.0-131*		*04/26/2018 09:05*	WG1102608
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*04/26/2018 09:05*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0115	0.0576	1	04/26/2018 09:26	WG1102608
Acrylonitrile	U		0.00206	0.0115	1	04/26/2018 09:26	WG1102608
Benzene	U		0.000311	0.00115	1	04/26/2018 09:26	WG1102608
Bromobenzene	U		0.000327	0.00115	1	04/26/2018 09:26	WG1102608
Bromodichloromethane	U		0.000292	0.00115	1	04/26/2018 09:26	WG1102608
Bromochloromethane	U		0.000449	0.00576	1	04/26/2018 09:26	WG1102608
Bromoform	U		0.000488	0.00115	1	04/26/2018 09:26	WG1102608
Bromomethane	U	J0	0.00154	0.00576	1	04/26/2018 09:26	WG1102608
n-Butylbenzene	U		0.000297	0.00115	1	04/26/2018 09:26	WG1102608
sec-Butylbenzene	U		0.000231	0.00115	1	04/26/2018 09:26	WG1102608
tert-Butylbenzene	U		0.000237	0.00115	1	04/26/2018 09:26	WG1102608
Carbon disulfide	U		0.000254	0.00115	1	04/26/2018 09:26	WG1102608
Carbon tetrachloride	U		0.000378	0.00115	1	04/26/2018 09:26	WG1102608
Chlorobenzene	U		0.000244	0.00115	1	04/26/2018 09:26	WG1102608
Chlorodibromomethane	U		0.000429	0.00115	1	04/26/2018 09:26	WG1102608
Chloroethane	U	J0	0.00109	0.00576	1	04/26/2018 09:26	WG1102608
Chloroform	U		0.000264	0.00576	1	04/26/2018 09:26	WG1102608
Chloromethane	U		0.000432	0.00288	1	04/26/2018 09:26	WG1102608
2-Chlorotoluene	U		0.000347	0.00115	1	04/26/2018 09:26	WG1102608
4-Chlorotoluene	U		0.000276	0.00115	1	04/26/2018 09:26	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	04/26/2018 09:26	WG1102608
1,2-Dibromoethane	U		0.000395	0.00115	1	04/26/2018 09:26	WG1102608
Dibromomethane	U		0.000440	0.00115	1	04/26/2018 09:26	WG1102608
1,2-Dichlorobenzene	U		0.000351	0.00115	1	04/26/2018 09:26	WG1102608
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/26/2018 09:26	WG1102608
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/26/2018 09:26	WG1102608
Dichlorodifluoromethane	U		0.000821	0.00576	1	04/26/2018 09:26	WG1102608
1,1-Dichloroethane	U		0.000229	0.00115	1	04/26/2018 09:26	WG1102608
1,2-Dichloroethane	U		0.000305	0.00115	1	04/26/2018 09:26	WG1102608
1,1-Dichloroethene	U		0.000349	0.00115	1	04/26/2018 09:26	WG1102608
cis-1,2-Dichloroethene	0.00459		0.000271	0.00115	1	04/26/2018 09:26	WG1102608
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	04/26/2018 09:26	WG1102608
1,2-Dichloropropane	U		0.000412	0.00115	1	04/26/2018 09:26	WG1102608
1,1-Dichloropropene	U		0.000365	0.00115	1	04/26/2018 09:26	WG1102608
1,3-Dichloropropane	U		0.000238	0.00115	1	04/26/2018 09:26	WG1102608
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/26/2018 09:26	WG1102608
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/26/2018 09:26	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000896	0.00288	1	04/26/2018 09:26	WG1102608
2,2-Dichloropropane	U		0.000321	0.00115	1	04/26/2018 09:26	WG1102608
Di-isopropyl ether	U		0.000286	0.00115	1	04/26/2018 09:26	WG1102608
Ethylbenzene	U		0.000342	0.00115	1	04/26/2018 09:26	WG1102608
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/26/2018 09:26	WG1102608
2-Hexanone	U		0.00158	0.0115	1	04/26/2018 09:26	WG1102608
n-Hexane	U		0.000334	0.0115	1	04/26/2018 09:26	WG1102608
Iodomethane	U		0.00291	0.0115	1	04/26/2018 09:26	WG1102608
Isopropylbenzene	U		0.000280	0.00115	1	04/26/2018 09:26	WG1102608
p-Isopropyltoluene	U		0.000235	0.00115	1	04/26/2018 09:26	WG1102608
2-Butanone (MEK)	U		0.00539	0.0115	1	04/26/2018 09:26	WG1102608
Methylene Chloride	U		0.00115	0.00576	1	04/26/2018 09:26	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/26/2018 09:26	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/26/2018 09:26	WG1102608
Naphthalene	U		0.00115	0.00576	1	04/26/2018 09:26	WG1102608
n-Propylbenzene	U		0.000237	0.00115	1	04/26/2018 09:26	WG1102608
Styrene	U		0.000269	0.00115	1	04/26/2018 09:26	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/26/2018 09:26	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	04/26/2018 09:26	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	04/26/2018 09:26	WG1102608
Tetrachloroethene	0.00586		0.000318	0.00115	1	04/26/2018 09:26	WG1102608
Toluene	U		0.000500	0.00576	1	04/26/2018 09:26	WG1102608
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/26/2018 09:26	WG1102608
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/26/2018 09:26	WG1102608
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/26/2018 09:26	WG1102608
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/26/2018 09:26	WG1102608
Trichloroethene	0.00175		0.000321	0.00115	1	04/26/2018 09:26	WG1102608
Trichlorofluoromethane	U		0.000440	0.00576	1	04/26/2018 09:26	WG1102608
1,2,3-Trichloropropane	U		0.000853	0.00288	1	04/26/2018 09:26	WG1102608
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/26/2018 09:26	WG1102608
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/26/2018 09:26	WG1102608
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/26/2018 09:26	WG1102608
Vinyl acetate	U		0.00275	0.0115	1	04/26/2018 09:26	WG1102608
Vinyl chloride	0.00173		0.000335	0.00115	1	04/26/2018 09:26	WG1102608
Xylenes, Total	U		0.000804	0.00345	1	04/26/2018 09:26	WG1102608
(S) Toluene-d8	*105*			*80.0-120*		*04/26/2018 09:26*	WG1102608
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*04/26/2018 09:26*	WG1102608
(S) 4-Bromofluorobenzene	*91.6*			*64.0-132*		*04/26/2018 09:26*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0111	0.0555	1	04/26/2018 09:47	WG1102608
Acrylonitrile	U		0.00199	0.0111	1	04/26/2018 09:47	WG1102608
Benzene	U		0.000299	0.00111	1	04/26/2018 09:47	WG1102608
Bromobenzene	U		0.000315	0.00111	1	04/26/2018 09:47	WG1102608
Bromodichloromethane	U		0.000282	0.00111	1	04/26/2018 09:47	WG1102608
Bromochloromethane	U		0.000433	0.00555	1	04/26/2018 09:47	WG1102608
Bromoform	U		0.000470	0.00111	1	04/26/2018 09:47	WG1102608
Bromomethane	U	J0	0.00149	0.00555	1	04/26/2018 09:47	WG1102608
n-Butylbenzene	U		0.000286	0.00111	1	04/26/2018 09:47	WG1102608
sec-Butylbenzene	U		0.000223	0.00111	1	04/26/2018 09:47	WG1102608
tert-Butylbenzene	U		0.000228	0.00111	1	04/26/2018 09:47	WG1102608
Carbon disulfide	U		0.000245	0.00111	1	04/26/2018 09:47	WG1102608
Carbon tetrachloride	U		0.000364	0.00111	1	04/26/2018 09:47	WG1102608
Chlorobenzene	U		0.000235	0.00111	1	04/26/2018 09:47	WG1102608
Chlorodibromomethane	U		0.000414	0.00111	1	04/26/2018 09:47	WG1102608
Chloroethane	U	J0	0.00105	0.00555	1	04/26/2018 09:47	WG1102608
Chloroform	U		0.000254	0.00555	1	04/26/2018 09:47	WG1102608
Chloromethane	U		0.000416	0.00277	1	04/26/2018 09:47	WG1102608
2-Chlorotoluene	U		0.000334	0.00111	1	04/26/2018 09:47	WG1102608
4-Chlorotoluene	U		0.000266	0.00111	1	04/26/2018 09:47	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00555	1	04/26/2018 09:47	WG1102608
1,2-Dibromoethane	U		0.000380	0.00111	1	04/26/2018 09:47	WG1102608
Dibromomethane	U		0.000424	0.00111	1	04/26/2018 09:47	WG1102608
1,2-Dichlorobenzene	U		0.000338	0.00111	1	04/26/2018 09:47	WG1102608
1,3-Dichlorobenzene	U		0.000265	0.00111	1	04/26/2018 09:47	WG1102608
1,4-Dichlorobenzene	U		0.000251	0.00111	1	04/26/2018 09:47	WG1102608
Dichlorodifluoromethane	U		0.000791	0.00555	1	04/26/2018 09:47	WG1102608
1,1-Dichloroethane	U		0.000221	0.00111	1	04/26/2018 09:47	WG1102608
1,2-Dichloroethane	U		0.000294	0.00111	1	04/26/2018 09:47	WG1102608
1,1-Dichloroethene	U		0.000336	0.00111	1	04/26/2018 09:47	WG1102608
cis-1,2-Dichloroethene	0.00577		0.000261	0.00111	1	04/26/2018 09:47	WG1102608
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	04/26/2018 09:47	WG1102608
1,2-Dichloropropane	U		0.000397	0.00111	1	04/26/2018 09:47	WG1102608
1,1-Dichloropropene	U		0.000352	0.00111	1	04/26/2018 09:47	WG1102608
1,3-Dichloropropane	U		0.000230	0.00111	1	04/26/2018 09:47	WG1102608
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	04/26/2018 09:47	WG1102608
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	04/26/2018 09:47	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000863	0.00277	1	04/26/2018 09:47	WG1102608
2,2-Dichloropropane	U		0.000309	0.00111	1	04/26/2018 09:47	WG1102608
Di-isopropyl ether	U		0.000275	0.00111	1	04/26/2018 09:47	WG1102608
Ethylbenzene	U		0.000329	0.00111	1	04/26/2018 09:47	WG1102608
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	04/26/2018 09:47	WG1102608
2-Hexanone	U		0.00152	0.0111	1	04/26/2018 09:47	WG1102608
n-Hexane	0.00147	J	0.000322	0.0111	1	04/26/2018 09:47	WG1102608
Iodomethane	U		0.00281	0.0111	1	04/26/2018 09:47	WG1102608
Isopropylbenzene	U		0.000270	0.00111	1	04/26/2018 09:47	WG1102608
p-Isopropyltoluene	U		0.000226	0.00111	1	04/26/2018 09:47	WG1102608
2-Butanone (MEK)	U		0.00519	0.0111	1	04/26/2018 09:47	WG1102608
Methylene Chloride	U		0.00111	0.00555	1	04/26/2018 09:47	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	04/26/2018 09:47	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/26/2018 09:47	WG1102608
Naphthalene	U		0.00111	0.00555	1	04/26/2018 09:47	WG1102608
n-Propylbenzene	U		0.000228	0.00111	1	04/26/2018 09:47	WG1102608
Styrene	U		0.000260	0.00111	1	04/26/2018 09:47	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/26/2018 09:47	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	04/26/2018 09:47	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	04/26/2018 09:47	WG1102608
Tetrachloroethene	0.00415		0.000306	0.00111	1	04/26/2018 09:47	WG1102608
Toluene	U		0.000481	0.00555	1	04/26/2018 09:47	WG1102608
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/26/2018 09:47	WG1102608
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/26/2018 09:47	WG1102608
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/26/2018 09:47	WG1102608
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/26/2018 09:47	WG1102608
Trichloroethene	0.00482		0.000309	0.00111	1	04/26/2018 09:47	WG1102608
Trichlorofluoromethane	U		0.000424	0.00555	1	04/26/2018 09:47	WG1102608
1,2,3-Trichloropropane	U		0.000822	0.00277	1	04/26/2018 09:47	WG1102608
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/26/2018 09:47	WG1102608
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/26/2018 09:47	WG1102608
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/26/2018 09:47	WG1102608
Vinyl acetate	U		0.00265	0.0111	1	04/26/2018 09:47	WG1102608
Vinyl chloride	0.00221		0.000323	0.00111	1	04/26/2018 09:47	WG1102608
Xylenes, Total	U		0.000774	0.00333	1	04/26/2018 09:47	WG1102608
(S) Toluene-d8	*106*			*80.0-120*		*04/26/2018 09:47*	WG1102608
(S) Dibromofluoromethane	*93.1*			*74.0-131*		*04/26/2018 09:47*	WG1102608
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*04/26/2018 09:47*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0471	J J0	0.0112	0.0558	1	04/26/2018 10:09	WG1102608
Acrylonitrile	U		0.00200	0.0112	1	04/26/2018 10:09	WG1102608
Benzene	U		0.000301	0.00112	1	04/26/2018 10:09	WG1102608
Bromobenzene	U		0.000317	0.00112	1	04/26/2018 10:09	WG1102608
Bromodichloromethane	U		0.000284	0.00112	1	04/26/2018 10:09	WG1102608
Bromochloromethane	U		0.000435	0.00558	1	04/26/2018 10:09	WG1102608
Bromoform	U		0.000473	0.00112	1	04/26/2018 10:09	WG1102608
Bromomethane	U	J0	0.00150	0.00558	1	04/26/2018 10:09	WG1102608
n-Butylbenzene	U		0.000288	0.00112	1	04/26/2018 10:09	WG1102608
sec-Butylbenzene	U		0.000224	0.00112	1	04/26/2018 10:09	WG1102608
tert-Butylbenzene	U		0.000230	0.00112	1	04/26/2018 10:09	WG1102608
Carbon disulfide	0.00126		0.000247	0.00112	1	04/26/2018 10:09	WG1102608
Carbon tetrachloride	U		0.000366	0.00112	1	04/26/2018 10:09	WG1102608
Chlorobenzene	U		0.000237	0.00112	1	04/26/2018 10:09	WG1102608
Chlorodibromomethane	U		0.000417	0.00112	1	04/26/2018 10:09	WG1102608
Chloroethane	U	J0	0.00106	0.00558	1	04/26/2018 10:09	WG1102608
Chloroform	U		0.000256	0.00558	1	04/26/2018 10:09	WG1102608
Chloromethane	U		0.000419	0.00279	1	04/26/2018 10:09	WG1102608
2-Chlorotoluene	U		0.000336	0.00112	1	04/26/2018 10:09	WG1102608
4-Chlorotoluene	U		0.000268	0.00112	1	04/26/2018 10:09	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/26/2018 10:09	WG1102608
1,2-Dibromoethane	U		0.000383	0.00112	1	04/26/2018 10:09	WG1102608
Dibromomethane	U		0.000427	0.00112	1	04/26/2018 10:09	WG1102608
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/26/2018 10:09	WG1102608
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/26/2018 10:09	WG1102608
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/26/2018 10:09	WG1102608
Dichlorodifluoromethane	U		0.000796	0.00558	1	04/26/2018 10:09	WG1102608
1,1-Dichloroethane	U		0.000222	0.00112	1	04/26/2018 10:09	WG1102608
1,2-Dichloroethane	U		0.000296	0.00112	1	04/26/2018 10:09	WG1102608
1,1-Dichloroethene	U		0.000338	0.00112	1	04/26/2018 10:09	WG1102608
cis-1,2-Dichloroethene	0.00682		0.000262	0.00112	1	04/26/2018 10:09	WG1102608
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/26/2018 10:09	WG1102608
1,2-Dichloropropane	U		0.000400	0.00112	1	04/26/2018 10:09	WG1102608
1,1-Dichloropropene	U		0.000354	0.00112	1	04/26/2018 10:09	WG1102608
1,3-Dichloropropane	U		0.000231	0.00112	1	04/26/2018 10:09	WG1102608
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/26/2018 10:09	WG1102608
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/26/2018 10:09	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	04/26/2018 10:09	WG1102608
2,2-Dichloropropane	U		0.000312	0.00112	1	04/26/2018 10:09	WG1102608
Di-isopropyl ether	U		0.000277	0.00112	1	04/26/2018 10:09	WG1102608
Ethylbenzene	U		0.000332	0.00112	1	04/26/2018 10:09	WG1102608
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/26/2018 10:09	WG1102608
2-Hexanone	U		0.00153	0.0112	1	04/26/2018 10:09	WG1102608
n-Hexane	U		0.000324	0.0112	1	04/26/2018 10:09	WG1102608
Iodomethane	U		0.00283	0.0112	1	04/26/2018 10:09	WG1102608
Isopropylbenzene	U		0.000271	0.00112	1	04/26/2018 10:09	WG1102608
p-Isopropyltoluene	U		0.000228	0.00112	1	04/26/2018 10:09	WG1102608
2-Butanone (MEK)	0.0115		0.00523	0.0112	1	04/26/2018 10:09	WG1102608
Methylene Chloride	U		0.00112	0.00558	1	04/26/2018 10:09	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/26/2018 10:09	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/26/2018 10:09	WG1102608
Naphthalene	U		0.00112	0.00558	1	04/26/2018 10:09	WG1102608
n-Propylbenzene	U		0.000230	0.00112	1	04/26/2018 10:09	WG1102608
Styrene	U		0.000261	0.00112	1	04/26/2018 10:09	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/26/2018 10:09	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/26/2018 10:09	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/26/2018 10:09	WG1102608
Tetrachloroethene	0.00432		0.000308	0.00112	1	04/26/2018 10:09	WG1102608
Toluene	U		0.000485	0.00558	1	04/26/2018 10:09	WG1102608
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/26/2018 10:09	WG1102608
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/26/2018 10:09	WG1102608
1,1,1-Trichloroethane	U		0.000319	0.00112	1	04/26/2018 10:09	WG1102608
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/26/2018 10:09	WG1102608
Trichloroethene	0.000887	J	0.000312	0.00112	1	04/26/2018 10:09	WG1102608
Trichlorofluoromethane	U		0.000427	0.00558	1	04/26/2018 10:09	WG1102608
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/26/2018 10:09	WG1102608
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/26/2018 10:09	WG1102608
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/26/2018 10:09	WG1102608
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/26/2018 10:09	WG1102608
Vinyl acetate	U		0.00267	0.0112	1	04/26/2018 10:09	WG1102608
Vinyl chloride	0.00718		0.000325	0.00112	1	04/26/2018 10:09	WG1102608
Xylenes, Total	U		0.000779	0.00335	1	04/26/2018 10:09	WG1102608
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 10:09*	WG1102608
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*04/26/2018 10:09*	WG1102608
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*04/26/2018 10:09*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0109	0.0544	1	04/26/2018 10:30	WG1102608
Acrylonitrile	U		0.00195	0.0109	1	04/26/2018 10:30	WG1102608
Benzene	U		0.000294	0.00109	1	04/26/2018 10:30	WG1102608
Bromobenzene	U		0.000309	0.00109	1	04/26/2018 10:30	WG1102608
Bromodichloromethane	U		0.000276	0.00109	1	04/26/2018 10:30	WG1102608
Bromochloromethane	U		0.000424	0.00544	1	04/26/2018 10:30	WG1102608
Bromoform	U		0.000461	0.00109	1	04/26/2018 10:30	WG1102608
Bromomethane	U	J0	0.00146	0.00544	1	04/26/2018 10:30	WG1102608
n-Butylbenzene	U		0.000281	0.00109	1	04/26/2018 10:30	WG1102608
sec-Butylbenzene	U		0.000219	0.00109	1	04/26/2018 10:30	WG1102608
tert-Butylbenzene	U		0.000224	0.00109	1	04/26/2018 10:30	WG1102608
Carbon disulfide	0.000530	J	0.000240	0.00109	1	04/26/2018 10:30	WG1102608
Carbon tetrachloride	U		0.000357	0.00109	1	04/26/2018 10:30	WG1102608
Chlorobenzene	U		0.000231	0.00109	1	04/26/2018 10:30	WG1102608
Chlorodibromomethane	U		0.000406	0.00109	1	04/26/2018 10:30	WG1102608
Chloroethane	U	J0	0.00103	0.00544	1	04/26/2018 10:30	WG1102608
Chloroform	U		0.000249	0.00544	1	04/26/2018 10:30	WG1102608
Chloromethane	U		0.000408	0.00272	1	04/26/2018 10:30	WG1102608
2-Chlorotoluene	U		0.000328	0.00109	1	04/26/2018 10:30	WG1102608
4-Chlorotoluene	U		0.000261	0.00109	1	04/26/2018 10:30	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	04/26/2018 10:30	WG1102608
1,2-Dibromoethane	U		0.000373	0.00109	1	04/26/2018 10:30	WG1102608
Dibromomethane	U		0.000416	0.00109	1	04/26/2018 10:30	WG1102608
1,2-Dichlorobenzene	U		0.000332	0.00109	1	04/26/2018 10:30	WG1102608
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/26/2018 10:30	WG1102608
1,4-Dichlorobenzene	U		0.000246	0.00109	1	04/26/2018 10:30	WG1102608
Dichlorodifluoromethane	U		0.000776	0.00544	1	04/26/2018 10:30	WG1102608
1,1-Dichloroethane	U		0.000217	0.00109	1	04/26/2018 10:30	WG1102608
1,2-Dichloroethane	U		0.000288	0.00109	1	04/26/2018 10:30	WG1102608
1,1-Dichloroethene	U		0.000330	0.00109	1	04/26/2018 10:30	WG1102608
cis-1,2-Dichloroethene	0.000271	J	0.000256	0.00109	1	04/26/2018 10:30	WG1102608
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/26/2018 10:30	WG1102608
1,2-Dichloropropane	U		0.000390	0.00109	1	04/26/2018 10:30	WG1102608
1,1-Dichloropropene	U		0.000345	0.00109	1	04/26/2018 10:30	WG1102608
1,3-Dichloropropane	U		0.000225	0.00109	1	04/26/2018 10:30	WG1102608
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/26/2018 10:30	WG1102608
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	04/26/2018 10:30	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	04/26/2018 10:30	WG1102608
2,2-Dichloropropane	U		0.000304	0.00109	1	04/26/2018 10:30	WG1102608
Di-isopropyl ether	U		0.000270	0.00109	1	04/26/2018 10:30	WG1102608
Ethylbenzene	U		0.000323	0.00109	1	04/26/2018 10:30	WG1102608
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	04/26/2018 10:30	WG1102608
2-Hexanone	U		0.00149	0.0109	1	04/26/2018 10:30	WG1102608
n-Hexane	0.000377	J	0.000316	0.0109	1	04/26/2018 10:30	WG1102608
Iodomethane	U		0.00275	0.0109	1	04/26/2018 10:30	WG1102608
Isopropylbenzene	U		0.000264	0.00109	1	04/26/2018 10:30	WG1102608
p-Isopropyltoluene	U		0.000222	0.00109	1	04/26/2018 10:30	WG1102608
2-Butanone (MEK)	U		0.00509	0.0109	1	04/26/2018 10:30	WG1102608
Methylene Chloride	U		0.00109	0.00544	1	04/26/2018 10:30	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/26/2018 10:30	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	04/26/2018 10:30	WG1102608
Naphthalene	U		0.00109	0.00544	1	04/26/2018 10:30	WG1102608
n-Propylbenzene	U		0.000224	0.00109	1	04/26/2018 10:30	WG1102608
Styrene	U		0.000255	0.00109	1	04/26/2018 10:30	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/26/2018 10:30	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/26/2018 10:30	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/26/2018 10:30	WG1102608
Tetrachloroethene	0.00244		0.000300	0.00109	1	04/26/2018 10:30	WG1102608
Toluene	U		0.000472	0.00544	1	04/26/2018 10:30	WG1102608
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	04/26/2018 10:30	WG1102608
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	04/26/2018 10:30	WG1102608
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/26/2018 10:30	WG1102608
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/26/2018 10:30	WG1102608
Trichloroethene	0.000327	J	0.000304	0.00109	1	04/26/2018 10:30	WG1102608
Trichlorofluoromethane	U		0.000416	0.00544	1	04/26/2018 10:30	WG1102608
1,2,3-Trichloropropane	U		0.000806	0.00272	1	04/26/2018 10:30	WG1102608
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	04/26/2018 10:30	WG1102608
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/26/2018 10:30	WG1102608
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/26/2018 10:30	WG1102608
Vinyl acetate	U		0.00260	0.0109	1	04/26/2018 10:30	WG1102608
Vinyl chloride	0.000411	J	0.000317	0.00109	1	04/26/2018 10:30	WG1102608
Xylenes, Total	U		0.000759	0.00326	1	04/26/2018 10:30	WG1102608
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 10:30*	WG1102608
(S) Dibromofluoromethane	*92.6*			*74.0-131*		*04/26/2018 10:30*	WG1102608
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*04/26/2018 10:30*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0551	1	04/26/2018 10:51	WG1102608
Acrylonitrile	U		0.00197	0.0110	1	04/26/2018 10:51	WG1102608
Benzene	U		0.000297	0.00110	1	04/26/2018 10:51	WG1102608
Bromobenzene	U		0.000313	0.00110	1	04/26/2018 10:51	WG1102608
Bromodichloromethane	U		0.000280	0.00110	1	04/26/2018 10:51	WG1102608
Bromochloromethane	U		0.000430	0.00551	1	04/26/2018 10:51	WG1102608
Bromoform	U		0.000467	0.00110	1	04/26/2018 10:51	WG1102608
Bromomethane	U	J0	0.00148	0.00551	1	04/26/2018 10:51	WG1102608
n-Butylbenzene	U		0.000284	0.00110	1	04/26/2018 10:51	WG1102608
sec-Butylbenzene	U		0.000221	0.00110	1	04/26/2018 10:51	WG1102608
tert-Butylbenzene	U		0.000227	0.00110	1	04/26/2018 10:51	WG1102608
Carbon disulfide	0.000405	J	0.000243	0.00110	1	04/26/2018 10:51	WG1102608
Carbon tetrachloride	U		0.000361	0.00110	1	04/26/2018 10:51	WG1102608
Chlorobenzene	U		0.000234	0.00110	1	04/26/2018 10:51	WG1102608
Chlorodibromomethane	U		0.000411	0.00110	1	04/26/2018 10:51	WG1102608
Chloroethane	U	J0	0.00104	0.00551	1	04/26/2018 10:51	WG1102608
Chloroform	U		0.000252	0.00551	1	04/26/2018 10:51	WG1102608
Chloromethane	U		0.000413	0.00275	1	04/26/2018 10:51	WG1102608
2-Chlorotoluene	U		0.000332	0.00110	1	04/26/2018 10:51	WG1102608
4-Chlorotoluene	U		0.000264	0.00110	1	04/26/2018 10:51	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/26/2018 10:51	WG1102608
1,2-Dibromoethane	U		0.000378	0.00110	1	04/26/2018 10:51	WG1102608
Dibromomethane	U		0.000421	0.00110	1	04/26/2018 10:51	WG1102608
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/26/2018 10:51	WG1102608
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/26/2018 10:51	WG1102608
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/26/2018 10:51	WG1102608
Dichlorodifluoromethane	U		0.000785	0.00551	1	04/26/2018 10:51	WG1102608
1,1-Dichloroethane	U		0.000219	0.00110	1	04/26/2018 10:51	WG1102608
1,2-Dichloroethane	U		0.000292	0.00110	1	04/26/2018 10:51	WG1102608
1,1-Dichloroethene	U		0.000334	0.00110	1	04/26/2018 10:51	WG1102608
cis-1,2-Dichloroethene	0.000409	J	0.000259	0.00110	1	04/26/2018 10:51	WG1102608
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	04/26/2018 10:51	WG1102608
1,2-Dichloropropane	U		0.000394	0.00110	1	04/26/2018 10:51	WG1102608
1,1-Dichloropropene	U		0.000349	0.00110	1	04/26/2018 10:51	WG1102608
1,3-Dichloropropane	U		0.000228	0.00110	1	04/26/2018 10:51	WG1102608
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/26/2018 10:51	WG1102608
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/26/2018 10:51	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000857	0.00275	1	04/26/2018 10:51	WG1102608
2,2-Dichloropropane	U		0.000307	0.00110	1	04/26/2018 10:51	WG1102608
Di-isopropyl ether	U		0.000273	0.00110	1	04/26/2018 10:51	WG1102608
Ethylbenzene	U		0.000327	0.00110	1	04/26/2018 10:51	WG1102608
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/26/2018 10:51	WG1102608
2-Hexanone	U		0.00151	0.0110	1	04/26/2018 10:51	WG1102608
n-Hexane	U		0.000319	0.0110	1	04/26/2018 10:51	WG1102608
Iodomethane	U		0.00279	0.0110	1	04/26/2018 10:51	WG1102608
Isopropylbenzene	U		0.000268	0.00110	1	04/26/2018 10:51	WG1102608
p-Isopropyltoluene	U		0.000225	0.00110	1	04/26/2018 10:51	WG1102608
2-Butanone (MEK)	U		0.00516	0.0110	1	04/26/2018 10:51	WG1102608
Methylene Chloride	U		0.00110	0.00551	1	04/26/2018 10:51	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/26/2018 10:51	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/26/2018 10:51	WG1102608
Naphthalene	U		0.00110	0.00551	1	04/26/2018 10:51	WG1102608
n-Propylbenzene	U		0.000227	0.00110	1	04/26/2018 10:51	WG1102608
Styrene	U		0.000258	0.00110	1	04/26/2018 10:51	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/26/2018 10:51	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/26/2018 10:51	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/26/2018 10:51	WG1102608
Tetrachloroethene	0.000984	J	0.000304	0.00110	1	04/26/2018 10:51	WG1102608
Toluene	U		0.000478	0.00551	1	04/26/2018 10:51	WG1102608
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/26/2018 10:51	WG1102608
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/26/2018 10:51	WG1102608
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/26/2018 10:51	WG1102608
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/26/2018 10:51	WG1102608
Trichloroethene	U		0.000307	0.00110	1	04/26/2018 10:51	WG1102608
Trichlorofluoromethane	U		0.000421	0.00551	1	04/26/2018 10:51	WG1102608
1,2,3-Trichloropropane	U		0.000816	0.00275	1	04/26/2018 10:51	WG1102608
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/26/2018 10:51	WG1102608
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/26/2018 10:51	WG1102608
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/26/2018 10:51	WG1102608
Vinyl acetate	U		0.00263	0.0110	1	04/26/2018 10:51	WG1102608
Vinyl chloride	0.000651	J	0.000321	0.00110	1	04/26/2018 10:51	WG1102608
Xylenes, Total	U		0.000769	0.00330	1	04/26/2018 10:51	WG1102608
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 10:51*	WG1102608
(S) Dibromofluoromethane	*92.0*			*74.0-131*		*04/26/2018 10:51*	WG1102608
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*04/26/2018 10:51*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0551	1	04/26/2018 11:12	WG1102608
Acrylonitrile	U		0.00197	0.0110	1	04/26/2018 11:12	WG1102608
Benzene	U		0.000298	0.00110	1	04/26/2018 11:12	WG1102608
Bromobenzene	U		0.000313	0.00110	1	04/26/2018 11:12	WG1102608
Bromodichloromethane	U		0.000280	0.00110	1	04/26/2018 11:12	WG1102608
Bromochloromethane	U		0.000430	0.00551	1	04/26/2018 11:12	WG1102608
Bromoform	U		0.000467	0.00110	1	04/26/2018 11:12	WG1102608
Bromomethane	U	J0	0.00148	0.00551	1	04/26/2018 11:12	WG1102608
n-Butylbenzene	U		0.000284	0.00110	1	04/26/2018 11:12	WG1102608
sec-Butylbenzene	U		0.000222	0.00110	1	04/26/2018 11:12	WG1102608
tert-Butylbenzene	U		0.000227	0.00110	1	04/26/2018 11:12	WG1102608
Carbon disulfide	0.000526	J	0.000244	0.00110	1	04/26/2018 11:12	WG1102608
Carbon tetrachloride	U		0.000361	0.00110	1	04/26/2018 11:12	WG1102608
Chlorobenzene	U		0.000234	0.00110	1	04/26/2018 11:12	WG1102608
Chlorodibromomethane	U		0.000411	0.00110	1	04/26/2018 11:12	WG1102608
Chloroethane	U	J0	0.00104	0.00551	1	04/26/2018 11:12	WG1102608
Chloroform	U		0.000252	0.00551	1	04/26/2018 11:12	WG1102608
Chloromethane	U		0.000413	0.00276	1	04/26/2018 11:12	WG1102608
2-Chlorotoluene	U		0.000332	0.00110	1	04/26/2018 11:12	WG1102608
4-Chlorotoluene	U		0.000265	0.00110	1	04/26/2018 11:12	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/26/2018 11:12	WG1102608
1,2-Dibromoethane	U		0.000378	0.00110	1	04/26/2018 11:12	WG1102608
Dibromomethane	U		0.000421	0.00110	1	04/26/2018 11:12	WG1102608
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/26/2018 11:12	WG1102608
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/26/2018 11:12	WG1102608
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/26/2018 11:12	WG1102608
Dichlorodifluoromethane	U		0.000786	0.00551	1	04/26/2018 11:12	WG1102608
1,1-Dichloroethane	U		0.000219	0.00110	1	04/26/2018 11:12	WG1102608
1,2-Dichloroethane	U		0.000292	0.00110	1	04/26/2018 11:12	WG1102608
1,1-Dichloroethene	U		0.000334	0.00110	1	04/26/2018 11:12	WG1102608
cis-1,2-Dichloroethene	0.000430	J	0.000259	0.00110	1	04/26/2018 11:12	WG1102608
trans-1,2-Dichloroethene	0.000452	J	0.000291	0.00110	1	04/26/2018 11:12	WG1102608
1,2-Dichloropropane	U		0.000395	0.00110	1	04/26/2018 11:12	WG1102608
1,1-Dichloropropene	U		0.000349	0.00110	1	04/26/2018 11:12	WG1102608
1,3-Dichloropropane	U		0.000228	0.00110	1	04/26/2018 11:12	WG1102608
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/26/2018 11:12	WG1102608
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/26/2018 11:12	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000857	0.00276	1	04/26/2018 11:12	WG1102608
2,2-Dichloropropane	U		0.000307	0.00110	1	04/26/2018 11:12	WG1102608
Di-isopropyl ether	U		0.000273	0.00110	1	04/26/2018 11:12	WG1102608
Ethylbenzene	U		0.000327	0.00110	1	04/26/2018 11:12	WG1102608
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/26/2018 11:12	WG1102608
2-Hexanone	U		0.00151	0.0110	1	04/26/2018 11:12	WG1102608
n-Hexane	U		0.000320	0.0110	1	04/26/2018 11:12	WG1102608
Iodomethane	U		0.00279	0.0110	1	04/26/2018 11:12	WG1102608
Isopropylbenzene	U		0.000268	0.00110	1	04/26/2018 11:12	WG1102608
p-Isopropyltoluene	U		0.000225	0.00110	1	04/26/2018 11:12	WG1102608
2-Butanone (MEK)	U		0.00516	0.0110	1	04/26/2018 11:12	WG1102608
Methylene Chloride	U		0.00110	0.00551	1	04/26/2018 11:12	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/26/2018 11:12	WG1102608

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/26/2018 11:12	WG1102608
Naphthalene	U		0.00110	0.00551	1	04/26/2018 11:12	WG1102608
n-Propylbenzene	U		0.000227	0.00110	1	04/26/2018 11:12	WG1102608
Styrene	U		0.000258	0.00110	1	04/26/2018 11:12	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/26/2018 11:12	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/26/2018 11:12	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/26/2018 11:12	WG1102608
Tetrachloroethene	0.00128		0.000304	0.00110	1	04/26/2018 11:12	WG1102608
Toluene	U		0.000478	0.00551	1	04/26/2018 11:12	WG1102608
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/26/2018 11:12	WG1102608
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/26/2018 11:12	WG1102608
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/26/2018 11:12	WG1102608
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/26/2018 11:12	WG1102608
Trichloroethene	U		0.000307	0.00110	1	04/26/2018 11:12	WG1102608
Trichlorofluoromethane	U		0.000421	0.00551	1	04/26/2018 11:12	WG1102608
1,2,3-Trichloropropane	U		0.000817	0.00276	1	04/26/2018 11:12	WG1102608
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/26/2018 11:12	WG1102608
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/26/2018 11:12	WG1102608
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/26/2018 11:12	WG1102608
Vinyl acetate	U		0.00263	0.0110	1	04/26/2018 11:12	WG1102608
Vinyl chloride	U		0.000321	0.00110	1	04/26/2018 11:12	WG1102608
Xylenes, Total	U		0.000769	0.00331	1	04/26/2018 11:12	WG1102608
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 11:12*	WG1102608
(S) Dibromofluoromethane	*91.7*			*74.0-131*		*04/26/2018 11:12*	WG1102608
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*04/26/2018 11:12*	WG1102608

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0152	J J0	0.0112	0.0561	1	04/26/2018 18:38	WG1103312
Acrylonitrile	U		0.00201	0.0112	1	04/26/2018 18:38	WG1103312
Benzene	U		0.000303	0.00112	1	04/26/2018 18:38	WG1103312
Bromobenzene	U		0.000319	0.00112	1	04/26/2018 18:38	WG1103312
Bromodichloromethane	U		0.000285	0.00112	1	04/26/2018 18:38	WG1103312
Bromochloromethane	U		0.000438	0.00561	1	04/26/2018 18:38	WG1103312
Bromoform	U		0.000476	0.00112	1	04/26/2018 18:38	WG1103312
Bromomethane	U		0.00150	0.00561	1	04/26/2018 18:38	WG1103312
n-Butylbenzene	U		0.000290	0.00112	1	04/26/2018 18:38	WG1103312
sec-Butylbenzene	U		0.000226	0.00112	1	04/26/2018 18:38	WG1103312
tert-Butylbenzene	U		0.000231	0.00112	1	04/26/2018 18:38	WG1103312
Carbon disulfide	0.000876	J	0.000248	0.00112	1	04/26/2018 18:38	WG1103312
Carbon tetrachloride	U		0.000368	0.00112	1	04/26/2018 18:38	WG1103312
Chlorobenzene	U		0.000238	0.00112	1	04/26/2018 18:38	WG1103312
Chlorodibromomethane	U		0.000419	0.00112	1	04/26/2018 18:38	WG1103312
Chloroethane	U	J0	0.00106	0.00561	1	04/26/2018 18:38	WG1103312
Chloroform	U		0.000257	0.00561	1	04/26/2018 18:38	WG1103312
Chloromethane	0.00157	J	0.000421	0.00281	1	04/26/2018 18:38	WG1103312
2-Chlorotoluene	U		0.000338	0.00112	1	04/26/2018 18:38	WG1103312
4-Chlorotoluene	U		0.000269	0.00112	1	04/26/2018 18:38	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	04/26/2018 18:38	WG1103312
1,2-Dibromoethane	U		0.000385	0.00112	1	04/26/2018 18:38	WG1103312
Dibromomethane	U		0.000429	0.00112	1	04/26/2018 18:38	WG1103312
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/26/2018 18:38	WG1103312
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/26/2018 18:38	WG1103312
1,4-Dichlorobenzene	U		0.000254	0.00112	1	04/26/2018 18:38	WG1103312
Dichlorodifluoromethane	U	J0	0.000801	0.00561	1	04/26/2018 18:38	WG1103312
1,1-Dichloroethane	U		0.000223	0.00112	1	04/26/2018 18:38	WG1103312
1,2-Dichloroethane	U		0.000298	0.00112	1	04/26/2018 18:38	WG1103312
1,1-Dichloroethene	U		0.000340	0.00112	1	04/26/2018 18:38	WG1103312
cis-1,2-Dichloroethene	0.00144		0.000264	0.00112	1	04/26/2018 18:38	WG1103312
trans-1,2-Dichloroethene	0.000386	J	0.000296	0.00112	1	04/26/2018 18:38	WG1103312
1,2-Dichloropropane	U		0.000402	0.00112	1	04/26/2018 18:38	WG1103312
1,1-Dichloropropene	U		0.000356	0.00112	1	04/26/2018 18:38	WG1103312
1,3-Dichloropropane	U		0.000232	0.00112	1	04/26/2018 18:38	WG1103312
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/26/2018 18:38	WG1103312
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	04/26/2018 18:38	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000874	0.00281	1	04/26/2018 18:38	WG1103312
2,2-Dichloropropane	U		0.000313	0.00112	1	04/26/2018 18:38	WG1103312
Di-isopropyl ether	U		0.000278	0.00112	1	04/26/2018 18:38	WG1103312
Ethylbenzene	U		0.000333	0.00112	1	04/26/2018 18:38	WG1103312
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/26/2018 18:38	WG1103312
2-Hexanone	U	J3	0.00154	0.0112	1	04/26/2018 18:38	WG1103312
n-Hexane	0.00225	J	0.000326	0.0112	1	04/26/2018 18:38	WG1103312
Iodomethane	U		0.00284	0.0112	1	04/26/2018 18:38	WG1103312
Isopropylbenzene	U		0.000273	0.00112	1	04/26/2018 18:38	WG1103312
p-Isopropyltoluene	U		0.000229	0.00112	1	04/26/2018 18:38	WG1103312
2-Butanone (MEK)	U		0.00525	0.0112	1	04/26/2018 18:38	WG1103312
Methylene Chloride	U		0.00112	0.00561	1	04/26/2018 18:38	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/26/2018 18:38	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/26/2018 18:38	WG1103312
Naphthalene	U		0.00112	0.00561	1	04/26/2018 18:38	WG1103312
n-Propylbenzene	U		0.000231	0.00112	1	04/26/2018 18:38	WG1103312
Styrene	U		0.000263	0.00112	1	04/26/2018 18:38	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/26/2018 18:38	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	04/26/2018 18:38	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	04/26/2018 18:38	WG1103312
Tetrachloroethene	0.00427		0.000310	0.00112	1	04/26/2018 18:38	WG1103312
Toluene	U		0.000487	0.00561	1	04/26/2018 18:38	WG1103312
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	04/26/2018 18:38	WG1103312
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	04/26/2018 18:38	WG1103312
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/26/2018 18:38	WG1103312
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/26/2018 18:38	WG1103312
Trichloroethene	0.00104	J	0.000313	0.00112	1	04/26/2018 18:38	WG1103312
Trichlorofluoromethane	U		0.000429	0.00561	1	04/26/2018 18:38	WG1103312
1,2,3-Trichloropropane	U		0.000832	0.00281	1	04/26/2018 18:38	WG1103312
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/26/2018 18:38	WG1103312
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/26/2018 18:38	WG1103312
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	04/26/2018 18:38	WG1103312
Vinyl acetate	U		0.00268	0.0112	1	04/26/2018 18:38	WG1103312
Vinyl chloride	0.000395	J	0.000327	0.00112	1	04/26/2018 18:38	WG1103312
Xylenes, Total	U		0.000784	0.00337	1	04/26/2018 18:38	WG1103312
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 18:38*	WG1103312
(S) Dibromofluoromethane	*91.9*			*74.0-131*		*04/26/2018 18:38*	WG1103312
(S) 4-Bromofluorobenzene	*98.3*			*64.0-132*		*04/26/2018 18:38*	WG1103312

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0251	J J0	0.0108	0.0540	1	04/26/2018 18:59	WG1103312
Acrylonitrile	U		0.00193	0.0108	1	04/26/2018 18:59	WG1103312
Benzene	U		0.000292	0.00108	1	04/26/2018 18:59	WG1103312
Bromobenzene	U		0.000307	0.00108	1	04/26/2018 18:59	WG1103312
Bromodichloromethane	U		0.000274	0.00108	1	04/26/2018 18:59	WG1103312
Bromochloromethane	U		0.000421	0.00540	1	04/26/2018 18:59	WG1103312
Bromoform	U		0.000458	0.00108	1	04/26/2018 18:59	WG1103312
Bromomethane	U		0.00145	0.00540	1	04/26/2018 18:59	WG1103312
n-Butylbenzene	U		0.000279	0.00108	1	04/26/2018 18:59	WG1103312
sec-Butylbenzene	U		0.000217	0.00108	1	04/26/2018 18:59	WG1103312
tert-Butylbenzene	U		0.000223	0.00108	1	04/26/2018 18:59	WG1103312
Carbon disulfide	0.00219		0.000239	0.00108	1	04/26/2018 18:59	WG1103312
Carbon tetrachloride	U		0.000354	0.00108	1	04/26/2018 18:59	WG1103312
Chlorobenzene	U		0.000229	0.00108	1	04/26/2018 18:59	WG1103312
Chlorodibromomethane	U		0.000403	0.00108	1	04/26/2018 18:59	WG1103312
Chloroethane	U	J0	0.00102	0.00540	1	04/26/2018 18:59	WG1103312
Chloroform	U		0.000247	0.00540	1	04/26/2018 18:59	WG1103312
Chloromethane	0.00160	J	0.000405	0.00270	1	04/26/2018 18:59	WG1103312
2-Chlorotoluene	U		0.000325	0.00108	1	04/26/2018 18:59	WG1103312
4-Chlorotoluene	U		0.000259	0.00108	1	04/26/2018 18:59	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/26/2018 18:59	WG1103312
1,2-Dibromoethane	U		0.000371	0.00108	1	04/26/2018 18:59	WG1103312
Dibromomethane	U		0.000413	0.00108	1	04/26/2018 18:59	WG1103312
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/26/2018 18:59	WG1103312
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/26/2018 18:59	WG1103312
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/26/2018 18:59	WG1103312
Dichlorodifluoromethane	U	J0	0.000770	0.00540	1	04/26/2018 18:59	WG1103312
1,1-Dichloroethane	U		0.000215	0.00108	1	04/26/2018 18:59	WG1103312
1,2-Dichloroethane	U		0.000286	0.00108	1	04/26/2018 18:59	WG1103312
1,1-Dichloroethene	U		0.000327	0.00108	1	04/26/2018 18:59	WG1103312
cis-1,2-Dichloroethene	0.00979		0.000254	0.00108	1	04/26/2018 18:59	WG1103312
trans-1,2-Dichloroethene	0.000306	J	0.000285	0.00108	1	04/26/2018 18:59	WG1103312
1,2-Dichloropropane	U		0.000387	0.00108	1	04/26/2018 18:59	WG1103312
1,1-Dichloropropene	U		0.000342	0.00108	1	04/26/2018 18:59	WG1103312
1,3-Dichloropropane	U		0.000224	0.00108	1	04/26/2018 18:59	WG1103312
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/26/2018 18:59	WG1103312
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/26/2018 18:59	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/26/2018 18:59	WG1103312
2,2-Dichloropropane	U		0.000301	0.00108	1	04/26/2018 18:59	WG1103312
Di-isopropyl ether	U		0.000268	0.00108	1	04/26/2018 18:59	WG1103312
Ethylbenzene	U		0.000321	0.00108	1	04/26/2018 18:59	WG1103312
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	04/26/2018 18:59	WG1103312
2-Hexanone	0.00220	J J3	0.00148	0.0108	1	04/26/2018 18:59	WG1103312
n-Hexane	0.00272	J	0.000313	0.0108	1	04/26/2018 18:59	WG1103312
Iodomethane	U		0.00273	0.0108	1	04/26/2018 18:59	WG1103312
Isopropylbenzene	U		0.000263	0.00108	1	04/26/2018 18:59	WG1103312
p-Isopropyltoluene	U		0.000220	0.00108	1	04/26/2018 18:59	WG1103312
2-Butanone (MEK)	U		0.00506	0.0108	1	04/26/2018 18:59	WG1103312
Methylene Chloride	U		0.00108	0.00540	1	04/26/2018 18:59	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/26/2018 18:59	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/26/2018 18:59	WG1103312
Naphthalene	U		0.00108	0.00540	1	04/26/2018 18:59	WG1103312
n-Propylbenzene	U		0.000223	0.00108	1	04/26/2018 18:59	WG1103312
Styrene	U		0.000253	0.00108	1	04/26/2018 18:59	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/26/2018 18:59	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	04/26/2018 18:59	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	04/26/2018 18:59	WG1103312
Tetrachloroethene	0.00230		0.000298	0.00108	1	04/26/2018 18:59	WG1103312
Toluene	U		0.000469	0.00540	1	04/26/2018 18:59	WG1103312
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/26/2018 18:59	WG1103312
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/26/2018 18:59	WG1103312
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/26/2018 18:59	WG1103312
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/26/2018 18:59	WG1103312
Trichloroethene	0.000708	J	0.000301	0.00108	1	04/26/2018 18:59	WG1103312
Trichlorofluoromethane	U		0.000413	0.00540	1	04/26/2018 18:59	WG1103312
1,2,3-Trichloropropane	U		0.000801	0.00270	1	04/26/2018 18:59	WG1103312
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/26/2018 18:59	WG1103312
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/26/2018 18:59	WG1103312
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/26/2018 18:59	WG1103312
Vinyl acetate	U		0.00258	0.0108	1	04/26/2018 18:59	WG1103312
Vinyl chloride	0.00279		0.000314	0.00108	1	04/26/2018 18:59	WG1103312
Xylenes, Total	U		0.000754	0.00324	1	04/26/2018 18:59	WG1103312
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 18:59*	WG1103312
(S) Dibromofluoromethane	*94.8*			*74.0-131*		*04/26/2018 18:59*	WG1103312
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/26/2018 18:59*	WG1103312

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0110	0.0550	1	04/26/2018 19:20	WG1103312
Acrylonitrile	U		0.00197	0.0110	1	04/26/2018 19:20	WG1103312
Benzene	U		0.000297	0.00110	1	04/26/2018 19:20	WG1103312
Bromobenzene	U		0.000313	0.00110	1	04/26/2018 19:20	WG1103312
Bromodichloromethane	U		0.000280	0.00110	1	04/26/2018 19:20	WG1103312
Bromochloromethane	U		0.000429	0.00550	1	04/26/2018 19:20	WG1103312
Bromoform	U		0.000467	0.00110	1	04/26/2018 19:20	WG1103312
Bromomethane	U		0.00148	0.00550	1	04/26/2018 19:20	WG1103312
n-Butylbenzene	U		0.000284	0.00110	1	04/26/2018 19:20	WG1103312
sec-Butylbenzene	U		0.000221	0.00110	1	04/26/2018 19:20	WG1103312
tert-Butylbenzene	U		0.000227	0.00110	1	04/26/2018 19:20	WG1103312
Carbon disulfide	0.000811	J	0.000243	0.00110	1	04/26/2018 19:20	WG1103312
Carbon tetrachloride	U		0.000361	0.00110	1	04/26/2018 19:20	WG1103312
Chlorobenzene	U		0.000233	0.00110	1	04/26/2018 19:20	WG1103312
Chlorodibromomethane	U		0.000411	0.00110	1	04/26/2018 19:20	WG1103312
Chloroethane	U	J0	0.00104	0.00550	1	04/26/2018 19:20	WG1103312
Chloroform	U		0.000252	0.00550	1	04/26/2018 19:20	WG1103312
Chloromethane	U		0.000413	0.00275	1	04/26/2018 19:20	WG1103312
2-Chlorotoluene	U		0.000331	0.00110	1	04/26/2018 19:20	WG1103312
4-Chlorotoluene	U		0.000264	0.00110	1	04/26/2018 19:20	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00550	1	04/26/2018 19:20	WG1103312
1,2-Dibromoethane	U		0.000378	0.00110	1	04/26/2018 19:20	WG1103312
Dibromomethane	U		0.000421	0.00110	1	04/26/2018 19:20	WG1103312
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/26/2018 19:20	WG1103312
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/26/2018 19:20	WG1103312
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/26/2018 19:20	WG1103312
Dichlorodifluoromethane	U	J0	0.000785	0.00550	1	04/26/2018 19:20	WG1103312
1,1-Dichloroethane	U		0.000219	0.00110	1	04/26/2018 19:20	WG1103312
1,2-Dichloroethane	U		0.000292	0.00110	1	04/26/2018 19:20	WG1103312
1,1-Dichloroethene	0.00775		0.000334	0.00110	1	04/26/2018 19:20	WG1103312
cis-1,2-Dichloroethene	4.71		0.0259	0.110	100	04/28/2018 14:01	WG1103312
trans-1,2-Dichloroethene	0.0711		0.000291	0.00110	1	04/26/2018 19:20	WG1103312
1,2-Dichloropropane	U		0.000394	0.00110	1	04/26/2018 19:20	WG1103312
1,1-Dichloropropene	U		0.000349	0.00110	1	04/26/2018 19:20	WG1103312
1,3-Dichloropropane	U		0.000228	0.00110	1	04/26/2018 19:20	WG1103312
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	04/26/2018 19:20	WG1103312
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/26/2018 19:20	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000857	0.00275	1	04/26/2018 19:20	WG1103312
2,2-Dichloropropane	U		0.000307	0.00110	1	04/26/2018 19:20	WG1103312
Di-isopropyl ether	U		0.000273	0.00110	1	04/26/2018 19:20	WG1103312
Ethylbenzene	U		0.000327	0.00110	1	04/26/2018 19:20	WG1103312
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/26/2018 19:20	WG1103312
2-Hexanone	U	J3	0.00151	0.0110	1	04/26/2018 19:20	WG1103312
n-Hexane	U		0.000319	0.0110	1	04/26/2018 19:20	WG1103312
Iodomethane	U		0.00279	0.0110	1	04/26/2018 19:20	WG1103312
Isopropylbenzene	U		0.000268	0.00110	1	04/26/2018 19:20	WG1103312
p-Isopropyltoluene	U		0.000225	0.00110	1	04/26/2018 19:20	WG1103312
2-Butanone (MEK)	U		0.00515	0.0110	1	04/26/2018 19:20	WG1103312
Methylene Chloride	U		0.00110	0.00550	1	04/26/2018 19:20	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/26/2018 19:20	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/26/2018 19:20	WG1103312
Naphthalene	U		0.00110	0.00550	1	04/26/2018 19:20	WG1103312
n-Propylbenzene	U		0.000227	0.00110	1	04/26/2018 19:20	WG1103312
Styrene	U		0.000258	0.00110	1	04/26/2018 19:20	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/26/2018 19:20	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/26/2018 19:20	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/26/2018 19:20	WG1103312
Tetrachloroethene	U		0.000304	0.00110	1	04/26/2018 19:20	WG1103312
Toluene	U		0.000478	0.00550	1	04/26/2018 19:20	WG1103312
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/26/2018 19:20	WG1103312
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/26/2018 19:20	WG1103312
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/26/2018 19:20	WG1103312
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/26/2018 19:20	WG1103312
Trichloroethene	U		0.000307	0.00110	1	04/26/2018 19:20	WG1103312
Trichlorofluoromethane	U		0.000421	0.00550	1	04/26/2018 19:20	WG1103312
1,2,3-Trichloropropane	U		0.000816	0.00275	1	04/26/2018 19:20	WG1103312
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/26/2018 19:20	WG1103312
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/26/2018 19:20	WG1103312
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/26/2018 19:20	WG1103312
Vinyl acetate	U		0.00263	0.0110	1	04/26/2018 19:20	WG1103312
Vinyl chloride	0.779		0.0320	0.110	100	04/28/2018 14:01	WG1103312
Xylenes, Total	U		0.000768	0.00330	1	04/26/2018 19:20	WG1103312
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 19:20*	WG1103312
(S) Toluene-d8	*116*			*80.0-120*		*04/28/2018 14:01*	WG1103312
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*04/26/2018 19:20*	WG1103312
(S) Dibromofluoromethane	*84.7*			*74.0-131*		*04/28/2018 14:01*	WG1103312
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*04/26/2018 19:20*	WG1103312
(S) 4-Bromofluorobenzene	*91.5*			*64.0-132*		*04/28/2018 14:01*	WG1103312

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0113	0.0565	1	04/26/2018 19:42	WG1103312
Acrylonitrile	U		0.00202	0.0113	1	04/26/2018 19:42	WG1103312
Benzene	U		0.000305	0.00113	1	04/26/2018 19:42	WG1103312
Bromobenzene	U		0.000321	0.00113	1	04/26/2018 19:42	WG1103312
Bromodichloromethane	U		0.000287	0.00113	1	04/26/2018 19:42	WG1103312
Bromochloromethane	U		0.000441	0.00565	1	04/26/2018 19:42	WG1103312
Bromoform	U		0.000479	0.00113	1	04/26/2018 19:42	WG1103312
Bromomethane	U		0.00151	0.00565	1	04/26/2018 19:42	WG1103312
n-Butylbenzene	U		0.000291	0.00113	1	04/26/2018 19:42	WG1103312
sec-Butylbenzene	U		0.000227	0.00113	1	04/26/2018 19:42	WG1103312
tert-Butylbenzene	U		0.000233	0.00113	1	04/26/2018 19:42	WG1103312
Carbon disulfide	0.000350	J	0.000250	0.00113	1	04/26/2018 19:42	WG1103312
Carbon tetrachloride	U		0.000371	0.00113	1	04/26/2018 19:42	WG1103312
Chlorobenzene	U		0.000239	0.00113	1	04/26/2018 19:42	WG1103312
Chlorodibromomethane	U		0.000421	0.00113	1	04/26/2018 19:42	WG1103312
Chloroethane	U	J0	0.00107	0.00565	1	04/26/2018 19:42	WG1103312
Chloroform	U		0.000259	0.00565	1	04/26/2018 19:42	WG1103312
Chloromethane	U		0.000424	0.00282	1	04/26/2018 19:42	WG1103312
2-Chlorotoluene	U		0.000340	0.00113	1	04/26/2018 19:42	WG1103312
4-Chlorotoluene	U		0.000271	0.00113	1	04/26/2018 19:42	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	04/26/2018 19:42	WG1103312
1,2-Dibromoethane	U		0.000387	0.00113	1	04/26/2018 19:42	WG1103312
Dibromomethane	U		0.000432	0.00113	1	04/26/2018 19:42	WG1103312
1,2-Dichlorobenzene	U		0.000345	0.00113	1	04/26/2018 19:42	WG1103312
1,3-Dichlorobenzene	U		0.000270	0.00113	1	04/26/2018 19:42	WG1103312
1,4-Dichlorobenzene	U		0.000255	0.00113	1	04/26/2018 19:42	WG1103312
Dichlorodifluoromethane	U	J0	0.000805	0.00565	1	04/26/2018 19:42	WG1103312
1,1-Dichloroethane	U		0.000225	0.00113	1	04/26/2018 19:42	WG1103312
1,2-Dichloroethane	U		0.000299	0.00113	1	04/26/2018 19:42	WG1103312
1,1-Dichloroethene	U		0.000342	0.00113	1	04/26/2018 19:42	WG1103312
cis-1,2-Dichloroethene	0.0125		0.000265	0.00113	1	04/28/2018 13:40	WG1103312
trans-1,2-Dichloroethene	0.000318	J	0.000298	0.00113	1	04/26/2018 19:42	WG1103312
1,2-Dichloropropane	U		0.000404	0.00113	1	04/26/2018 19:42	WG1103312
1,1-Dichloropropene	U		0.000358	0.00113	1	04/26/2018 19:42	WG1103312
1,3-Dichloropropane	U		0.000234	0.00113	1	04/26/2018 19:42	WG1103312
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	04/26/2018 19:42	WG1103312
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	04/26/2018 19:42	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000879	0.00282	1	04/26/2018 19:42	WG1103312
2,2-Dichloropropane	U		0.000315	0.00113	1	04/26/2018 19:42	WG1103312
Di-isopropyl ether	U		0.000280	0.00113	1	04/26/2018 19:42	WG1103312
Ethylbenzene	U		0.000335	0.00113	1	04/26/2018 19:42	WG1103312
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	04/26/2018 19:42	WG1103312
2-Hexanone	U	J3	0.00155	0.0113	1	04/26/2018 19:42	WG1103312
n-Hexane	0.000393	J	0.000328	0.0113	1	04/26/2018 19:42	WG1103312
Iodomethane	U		0.00286	0.0113	1	04/26/2018 19:42	WG1103312
Isopropylbenzene	U		0.000274	0.00113	1	04/26/2018 19:42	WG1103312
p-Isopropyltoluene	U		0.000230	0.00113	1	04/26/2018 19:42	WG1103312
2-Butanone (MEK)	U		0.00529	0.0113	1	04/26/2018 19:42	WG1103312
Methylene Chloride	U		0.00113	0.00565	1	04/26/2018 19:42	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	04/26/2018 19:42	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/26/2018 19:42	WG1103312
Naphthalene	U		0.00113	0.00565	1	04/26/2018 19:42	WG1103312
n-Propylbenzene	U		0.000233	0.00113	1	04/26/2018 19:42	WG1103312
Styrene	U		0.000264	0.00113	1	04/26/2018 19:42	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/26/2018 19:42	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	04/26/2018 19:42	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	04/26/2018 19:42	WG1103312
Tetrachloroethene	U		0.000312	0.00113	1	04/26/2018 19:42	WG1103312
Toluene	U		0.000490	0.00565	1	04/26/2018 19:42	WG1103312
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	04/26/2018 19:42	WG1103312
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	04/26/2018 19:42	WG1103312
1,1,1-Trichloroethane	U		0.000323	0.00113	1	04/26/2018 19:42	WG1103312
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/26/2018 19:42	WG1103312
Trichloroethene	U		0.000315	0.00113	1	04/26/2018 19:42	WG1103312
Trichlorofluoromethane	U		0.000432	0.00565	1	04/26/2018 19:42	WG1103312
1,2,3-Trichloropropane	U		0.000837	0.00282	1	04/26/2018 19:42	WG1103312
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/26/2018 19:42	WG1103312
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	04/26/2018 19:42	WG1103312
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/26/2018 19:42	WG1103312
Vinyl acetate	U		0.00270	0.0113	1	04/26/2018 19:42	WG1103312
Vinyl chloride	0.0367		0.000329	0.00113	1	04/28/2018 13:40	WG1103312
Xylenes, Total	U		0.000788	0.00339	1	04/26/2018 19:42	WG1103312
(S) Toluene-d8	*103*			*80.0-120*		*04/28/2018 13:40*	WG1103312
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 19:42*	WG1103312
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*04/26/2018 19:42*	WG1103312
(S) Dibromofluoromethane	*92.4*			*74.0-131*		*04/28/2018 13:40*	WG1103312
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/28/2018 13:40*	WG1103312
(S) 4-Bromofluorobenzene	*94.7*			*64.0-132*		*04/26/2018 19:42*	WG1103312

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.8		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0108	0.0539	1	04/26/2018 20:03	WG1103312
Acrylonitrile	U		0.00193	0.0108	1	04/26/2018 20:03	WG1103312
Benzene	U		0.000291	0.00108	1	04/26/2018 20:03	WG1103312
Bromobenzene	U		0.000306	0.00108	1	04/26/2018 20:03	WG1103312
Bromodichloromethane	U		0.000274	0.00108	1	04/26/2018 20:03	WG1103312
Bromochloromethane	U		0.000420	0.00539	1	04/26/2018 20:03	WG1103312
Bromoform	U		0.000457	0.00108	1	04/26/2018 20:03	WG1103312
Bromomethane	U		0.00144	0.00539	1	04/26/2018 20:03	WG1103312
n-Butylbenzene	U		0.000278	0.00108	1	04/26/2018 20:03	WG1103312
sec-Butylbenzene	U		0.000217	0.00108	1	04/26/2018 20:03	WG1103312
tert-Butylbenzene	U		0.000222	0.00108	1	04/26/2018 20:03	WG1103312
Carbon disulfide	0.000401	J	0.000238	0.00108	1	04/26/2018 20:03	WG1103312
Carbon tetrachloride	U		0.000353	0.00108	1	04/26/2018 20:03	WG1103312
Chlorobenzene	U		0.000228	0.00108	1	04/26/2018 20:03	WG1103312
Chlorodibromomethane	U		0.000402	0.00108	1	04/26/2018 20:03	WG1103312
Chloroethane	U	J0	0.00102	0.00539	1	04/26/2018 20:03	WG1103312
Chloroform	U		0.000247	0.00539	1	04/26/2018 20:03	WG1103312
Chloromethane	U		0.000404	0.00269	1	04/26/2018 20:03	WG1103312
2-Chlorotoluene	U		0.000324	0.00108	1	04/26/2018 20:03	WG1103312
4-Chlorotoluene	U		0.000259	0.00108	1	04/26/2018 20:03	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	04/26/2018 20:03	WG1103312
1,2-Dibromoethane	U		0.000370	0.00108	1	04/26/2018 20:03	WG1103312
Dibromomethane	U		0.000412	0.00108	1	04/26/2018 20:03	WG1103312
1,2-Dichlorobenzene	U		0.000329	0.00108	1	04/26/2018 20:03	WG1103312
1,3-Dichlorobenzene	U		0.000257	0.00108	1	04/26/2018 20:03	WG1103312
1,4-Dichlorobenzene	U		0.000243	0.00108	1	04/26/2018 20:03	WG1103312
Dichlorodifluoromethane	U	J0	0.000768	0.00539	1	04/26/2018 20:03	WG1103312
1,1-Dichloroethane	U		0.000214	0.00108	1	04/26/2018 20:03	WG1103312
1,2-Dichloroethane	U		0.000285	0.00108	1	04/26/2018 20:03	WG1103312
1,1-Dichloroethene	0.000535	J	0.000326	0.00108	1	04/26/2018 20:03	WG1103312
cis-1,2-Dichloroethene	0.0754		0.000253	0.00108	1	04/26/2018 20:03	WG1103312
trans-1,2-Dichloroethene	0.000984	J	0.000284	0.00108	1	04/26/2018 20:03	WG1103312
1,2-Dichloropropane	U		0.000386	0.00108	1	04/26/2018 20:03	WG1103312
1,1-Dichloropropene	U		0.000342	0.00108	1	04/26/2018 20:03	WG1103312
1,3-Dichloropropane	U		0.000223	0.00108	1	04/26/2018 20:03	WG1103312
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	04/26/2018 20:03	WG1103312
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/26/2018 20:03	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	04/26/2018 20:03	WG1103312
2,2-Dichloropropane	U		0.000301	0.00108	1	04/26/2018 20:03	WG1103312
Di-isopropyl ether	U		0.000267	0.00108	1	04/26/2018 20:03	WG1103312
Ethylbenzene	U		0.000320	0.00108	1	04/26/2018 20:03	WG1103312
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	04/26/2018 20:03	WG1103312
2-Hexanone	U	J3	0.00148	0.0108	1	04/26/2018 20:03	WG1103312
n-Hexane	U		0.000312	0.0108	1	04/26/2018 20:03	WG1103312
Iodomethane	U		0.00273	0.0108	1	04/26/2018 20:03	WG1103312
Isopropylbenzene	U		0.000262	0.00108	1	04/26/2018 20:03	WG1103312
p-Isopropyltoluene	U		0.000220	0.00108	1	04/26/2018 20:03	WG1103312
2-Butanone (MEK)	U		0.00504	0.0108	1	04/26/2018 20:03	WG1103312
Methylene Chloride	U		0.00108	0.00539	1	04/26/2018 20:03	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/26/2018 20:03	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	04/26/2018 20:03	WG1103312
Naphthalene	U		0.00108	0.00539	1	04/26/2018 20:03	WG1103312
n-Propylbenzene	U		0.000222	0.00108	1	04/26/2018 20:03	WG1103312
Styrene	U		0.000252	0.00108	1	04/26/2018 20:03	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	04/26/2018 20:03	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	04/26/2018 20:03	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	04/26/2018 20:03	WG1103312
Tetrachloroethene	U		0.000297	0.00108	1	04/26/2018 20:03	WG1103312
Toluene	U		0.000468	0.00539	1	04/26/2018 20:03	WG1103312
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	04/26/2018 20:03	WG1103312
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	04/26/2018 20:03	WG1103312
1,1,1-Trichloroethane	U		0.000308	0.00108	1	04/26/2018 20:03	WG1103312
1,1,2-Trichloroethane	U		0.000298	0.00108	1	04/26/2018 20:03	WG1103312
Trichloroethene	U		0.000301	0.00108	1	04/26/2018 20:03	WG1103312
Trichlorofluoromethane	U		0.000412	0.00539	1	04/26/2018 20:03	WG1103312
1,2,3-Trichloropropane	U		0.000798	0.00269	1	04/26/2018 20:03	WG1103312
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	04/26/2018 20:03	WG1103312
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	04/26/2018 20:03	WG1103312
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/26/2018 20:03	WG1103312
Vinyl acetate	U		0.00257	0.0108	1	04/26/2018 20:03	WG1103312
Vinyl chloride	0.0672		0.000313	0.00108	1	04/26/2018 20:03	WG1103312
Xylenes, Total	U		0.000752	0.00323	1	04/26/2018 20:03	WG1103312
(S) Toluene-d8	*105*			*80.0-120*		*04/26/2018 20:03*	WG1103312
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*04/26/2018 20:03*	WG1103312
(S) 4-Bromofluorobenzene	*94.7*			*64.0-132*		*04/26/2018 20:03*	WG1103312

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0112	0.0558	1	04/26/2018 20:24	WG1103312
Acrylonitrile	U		0.00200	0.0112	1	04/26/2018 20:24	WG1103312
Benzene	0.000434	J	0.000301	0.00112	1	04/26/2018 20:24	WG1103312
Bromobenzene	U		0.000317	0.00112	1	04/26/2018 20:24	WG1103312
Bromodichloromethane	U		0.000283	0.00112	1	04/26/2018 20:24	WG1103312
Bromochloromethane	U		0.000435	0.00558	1	04/26/2018 20:24	WG1103312
Bromoform	U		0.000473	0.00112	1	04/26/2018 20:24	WG1103312
Bromomethane	U		0.00149	0.00558	1	04/26/2018 20:24	WG1103312
n-Butylbenzene	U		0.000288	0.00112	1	04/26/2018 20:24	WG1103312
sec-Butylbenzene	U		0.000224	0.00112	1	04/26/2018 20:24	WG1103312
tert-Butylbenzene	U		0.000230	0.00112	1	04/26/2018 20:24	WG1103312
Carbon disulfide	0.000337	J	0.000247	0.00112	1	04/26/2018 20:24	WG1103312
Carbon tetrachloride	U		0.000366	0.00112	1	04/26/2018 20:24	WG1103312
Chlorobenzene	U		0.000237	0.00112	1	04/26/2018 20:24	WG1103312
Chlorodibromomethane	U		0.000416	0.00112	1	04/26/2018 20:24	WG1103312
Chloroethane	U	J0	0.00106	0.00558	1	04/26/2018 20:24	WG1103312
Chloroform	U		0.000255	0.00558	1	04/26/2018 20:24	WG1103312
Chloromethane	U		0.000418	0.00279	1	04/26/2018 20:24	WG1103312
2-Chlorotoluene	U		0.000336	0.00112	1	04/26/2018 20:24	WG1103312
4-Chlorotoluene	U		0.000268	0.00112	1	04/26/2018 20:24	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/26/2018 20:24	WG1103312
1,2-Dibromoethane	U		0.000383	0.00112	1	04/26/2018 20:24	WG1103312
Dibromomethane	U		0.000426	0.00112	1	04/26/2018 20:24	WG1103312
1,2-Dichlorobenzene	U		0.000340	0.00112	1	04/26/2018 20:24	WG1103312
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/26/2018 20:24	WG1103312
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/26/2018 20:24	WG1103312
Dichlorodifluoromethane	U	J0	0.000795	0.00558	1	04/26/2018 20:24	WG1103312
1,1-Dichloroethane	U		0.000222	0.00112	1	04/26/2018 20:24	WG1103312
1,2-Dichloroethane	U		0.000296	0.00112	1	04/26/2018 20:24	WG1103312
1,1-Dichloroethene	U		0.000338	0.00112	1	04/26/2018 20:24	WG1103312
cis-1,2-Dichloroethene	0.00500		0.000262	0.00112	1	04/26/2018 20:24	WG1103312
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/26/2018 20:24	WG1103312
1,2-Dichloropropane	U		0.000399	0.00112	1	04/26/2018 20:24	WG1103312
1,1-Dichloropropene	U		0.000354	0.00112	1	04/26/2018 20:24	WG1103312
1,3-Dichloropropane	U		0.000231	0.00112	1	04/26/2018 20:24	WG1103312
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	04/26/2018 20:24	WG1103312
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/26/2018 20:24	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000868	0.00279	1	04/26/2018 20:24	WG1103312
2,2-Dichloropropane	U		0.000311	0.00112	1	04/26/2018 20:24	WG1103312
Di-isopropyl ether	U		0.000277	0.00112	1	04/26/2018 20:24	WG1103312
Ethylbenzene	U		0.000331	0.00112	1	04/26/2018 20:24	WG1103312
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/26/2018 20:24	WG1103312
2-Hexanone	U	J3	0.00153	0.0112	1	04/26/2018 20:24	WG1103312
n-Hexane	0.000492	J	0.000324	0.0112	1	04/26/2018 20:24	WG1103312
Iodomethane	U		0.00282	0.0112	1	04/26/2018 20:24	WG1103312
Isopropylbenzene	U		0.000271	0.00112	1	04/26/2018 20:24	WG1103312
p-Isopropyltoluene	U		0.000228	0.00112	1	04/26/2018 20:24	WG1103312
2-Butanone (MEK)	U		0.00522	0.0112	1	04/26/2018 20:24	WG1103312
Methylene Chloride	U		0.00112	0.00558	1	04/26/2018 20:24	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/26/2018 20:24	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/26/2018 20:24	WG1103312
Naphthalene	U		0.00112	0.00558	1	04/26/2018 20:24	WG1103312
n-Propylbenzene	U		0.000230	0.00112	1	04/26/2018 20:24	WG1103312
Styrene	U		0.000261	0.00112	1	04/26/2018 20:24	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/26/2018 20:24	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	04/26/2018 20:24	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	04/26/2018 20:24	WG1103312
Tetrachloroethene	0.00103	J	0.000308	0.00112	1	04/26/2018 20:24	WG1103312
Toluene	U		0.000484	0.00558	1	04/26/2018 20:24	WG1103312
1,2,3-Trichlorobenzene	U		0.000341	0.00112	1	04/26/2018 20:24	WG1103312
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/26/2018 20:24	WG1103312
1,1,1-Trichloroethane	U		0.000319	0.00112	1	04/26/2018 20:24	WG1103312
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/26/2018 20:24	WG1103312
Trichloroethene	U		0.000311	0.00112	1	04/26/2018 20:24	WG1103312
Trichlorofluoromethane	U		0.000426	0.00558	1	04/26/2018 20:24	WG1103312
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/26/2018 20:24	WG1103312
1,2,4-Trimethylbenzene	U		0.000235	0.00112	1	04/26/2018 20:24	WG1103312
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/26/2018 20:24	WG1103312
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/26/2018 20:24	WG1103312
Vinyl acetate	U		0.00267	0.0112	1	04/26/2018 20:24	WG1103312
Vinyl chloride	0.00950		0.000325	0.00112	1	04/26/2018 20:24	WG1103312
Xylenes, Total	U		0.000779	0.00335	1	04/26/2018 20:24	WG1103312
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 20:24*	WG1103312
(S) Dibromofluoromethane	*90.6*			*74.0-131*		*04/26/2018 20:24*	WG1103312
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*04/26/2018 20:24*	WG1103312

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0112	0.0560	1	04/26/2018 20:45	WG1103312
Acrylonitrile	U		0.00201	0.0112	1	04/26/2018 20:45	WG1103312
Benzene	U		0.000303	0.00112	1	04/26/2018 20:45	WG1103312
Bromobenzene	U		0.000318	0.00112	1	04/26/2018 20:45	WG1103312
Bromodichloromethane	U		0.000285	0.00112	1	04/26/2018 20:45	WG1103312
Bromochloromethane	U		0.000437	0.00560	1	04/26/2018 20:45	WG1103312
Bromoform	U		0.000475	0.00112	1	04/26/2018 20:45	WG1103312
Bromomethane	U		0.00150	0.00560	1	04/26/2018 20:45	WG1103312
n-Butylbenzene	U		0.000289	0.00112	1	04/26/2018 20:45	WG1103312
sec-Butylbenzene	U		0.000225	0.00112	1	04/26/2018 20:45	WG1103312
tert-Butylbenzene	U		0.000231	0.00112	1	04/26/2018 20:45	WG1103312
Carbon disulfide	0.000273	J	0.000248	0.00112	1	04/26/2018 20:45	WG1103312
Carbon tetrachloride	U		0.000368	0.00112	1	04/26/2018 20:45	WG1103312
Chlorobenzene	U		0.000238	0.00112	1	04/26/2018 20:45	WG1103312
Chlorodibromomethane	U		0.000418	0.00112	1	04/26/2018 20:45	WG1103312
Chloroethane	U	J0	0.00106	0.00560	1	04/26/2018 20:45	WG1103312
Chloroform	U		0.000257	0.00560	1	04/26/2018 20:45	WG1103312
Chloromethane	U		0.000420	0.00280	1	04/26/2018 20:45	WG1103312
2-Chlorotoluene	U		0.000337	0.00112	1	04/26/2018 20:45	WG1103312
4-Chlorotoluene	U		0.000269	0.00112	1	04/26/2018 20:45	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	04/26/2018 20:45	WG1103312
1,2-Dibromoethane	U		0.000384	0.00112	1	04/26/2018 20:45	WG1103312
Dibromomethane	U		0.000428	0.00112	1	04/26/2018 20:45	WG1103312
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/26/2018 20:45	WG1103312
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/26/2018 20:45	WG1103312
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/26/2018 20:45	WG1103312
Dichlorodifluoromethane	U	J0	0.000799	0.00560	1	04/26/2018 20:45	WG1103312
1,1-Dichloroethane	U		0.000223	0.00112	1	04/26/2018 20:45	WG1103312
1,2-Dichloroethane	U		0.000297	0.00112	1	04/26/2018 20:45	WG1103312
1,1-Dichloroethene	U		0.000340	0.00112	1	04/26/2018 20:45	WG1103312
cis-1,2-Dichloroethene	0.000306	J	0.000263	0.00112	1	04/26/2018 20:45	WG1103312
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/26/2018 20:45	WG1103312
1,2-Dichloropropane	U		0.000401	0.00112	1	04/26/2018 20:45	WG1103312
1,1-Dichloropropene	U		0.000355	0.00112	1	04/26/2018 20:45	WG1103312
1,3-Dichloropropane	U		0.000232	0.00112	1	04/26/2018 20:45	WG1103312
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/26/2018 20:45	WG1103312
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/26/2018 20:45	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000872	0.00280	1	04/26/2018 20:45	WG1103312
2,2-Dichloropropane	U		0.000313	0.00112	1	04/26/2018 20:45	WG1103312
Di-isopropyl ether	U		0.000278	0.00112	1	04/26/2018 20:45	WG1103312
Ethylbenzene	U		0.000333	0.00112	1	04/26/2018 20:45	WG1103312
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	04/26/2018 20:45	WG1103312
2-Hexanone	U	J3	0.00154	0.0112	1	04/26/2018 20:45	WG1103312
n-Hexane	U		0.000325	0.0112	1	04/26/2018 20:45	WG1103312
Iodomethane	U		0.00284	0.0112	1	04/26/2018 20:45	WG1103312
Isopropylbenzene	U		0.000272	0.00112	1	04/26/2018 20:45	WG1103312
p-Isopropyltoluene	U		0.000229	0.00112	1	04/26/2018 20:45	WG1103312
2-Butanone (MEK)	U		0.00524	0.0112	1	04/26/2018 20:45	WG1103312
Methylene Chloride	U		0.00112	0.00560	1	04/26/2018 20:45	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/26/2018 20:45	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/26/2018 20:45	WG1103312
Naphthalene	U		0.00112	0.00560	1	04/26/2018 20:45	WG1103312
n-Propylbenzene	U		0.000231	0.00112	1	04/26/2018 20:45	WG1103312
Styrene	U		0.000262	0.00112	1	04/26/2018 20:45	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/26/2018 20:45	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/26/2018 20:45	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/26/2018 20:45	WG1103312
Tetrachloroethene	U		0.000309	0.00112	1	04/26/2018 20:45	WG1103312
Toluene	U		0.000486	0.00560	1	04/26/2018 20:45	WG1103312
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/26/2018 20:45	WG1103312
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/26/2018 20:45	WG1103312
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/26/2018 20:45	WG1103312
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/26/2018 20:45	WG1103312
Trichloroethene	U		0.000313	0.00112	1	04/26/2018 20:45	WG1103312
Trichlorofluoromethane	U		0.000428	0.00560	1	04/26/2018 20:45	WG1103312
1,2,3-Trichloropropane	U		0.000830	0.00280	1	04/26/2018 20:45	WG1103312
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/26/2018 20:45	WG1103312
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/26/2018 20:45	WG1103312
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/26/2018 20:45	WG1103312
Vinyl acetate	U		0.00268	0.0112	1	04/26/2018 20:45	WG1103312
Vinyl chloride	U		0.000326	0.00112	1	04/26/2018 20:45	WG1103312
Xylenes, Total	U		0.000782	0.00336	1	04/26/2018 20:45	WG1103312
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 20:45*	WG1103312
(S) Dibromofluoromethane	*93.3*			*74.0-131*		*04/26/2018 20:45*	WG1103312
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*04/26/2018 20:45*	WG1103312

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0114	0.0572	1	04/26/2018 21:06	WG1103312
Acrylonitrile	U		0.00205	0.0114	1	04/26/2018 21:06	WG1103312
Benzene	U		0.000309	0.00114	1	04/26/2018 21:06	WG1103312
Bromobenzene	U		0.000325	0.00114	1	04/26/2018 21:06	WG1103312
Bromodichloromethane	U		0.000291	0.00114	1	04/26/2018 21:06	WG1103312
Bromochloromethane	U		0.000446	0.00572	1	04/26/2018 21:06	WG1103312
Bromoform	U		0.000485	0.00114	1	04/26/2018 21:06	WG1103312
Bromomethane	U		0.00153	0.00572	1	04/26/2018 21:06	WG1103312
n-Butylbenzene	U		0.000295	0.00114	1	04/26/2018 21:06	WG1103312
sec-Butylbenzene	U		0.000230	0.00114	1	04/26/2018 21:06	WG1103312
tert-Butylbenzene	U		0.000236	0.00114	1	04/26/2018 21:06	WG1103312
Carbon disulfide	0.000285	J	0.000253	0.00114	1	04/26/2018 21:06	WG1103312
Carbon tetrachloride	U		0.000375	0.00114	1	04/26/2018 21:06	WG1103312
Chlorobenzene	U		0.000242	0.00114	1	04/26/2018 21:06	WG1103312
Chlorodibromomethane	U		0.000427	0.00114	1	04/26/2018 21:06	WG1103312
Chloroethane	U	J0	0.00108	0.00572	1	04/26/2018 21:06	WG1103312
Chloroform	U		0.000262	0.00572	1	04/26/2018 21:06	WG1103312
Chloromethane	U		0.000429	0.00286	1	04/26/2018 21:06	WG1103312
2-Chlorotoluene	U		0.000344	0.00114	1	04/26/2018 21:06	WG1103312
4-Chlorotoluene	U		0.000275	0.00114	1	04/26/2018 21:06	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	04/26/2018 21:06	WG1103312
1,2-Dibromoethane	U		0.000392	0.00114	1	04/26/2018 21:06	WG1103312
Dibromomethane	U		0.000437	0.00114	1	04/26/2018 21:06	WG1103312
1,2-Dichlorobenzene	U		0.000349	0.00114	1	04/26/2018 21:06	WG1103312
1,3-Dichlorobenzene	U		0.000273	0.00114	1	04/26/2018 21:06	WG1103312
1,4-Dichlorobenzene	U		0.000258	0.00114	1	04/26/2018 21:06	WG1103312
Dichlorodifluoromethane	U	J0	0.000816	0.00572	1	04/26/2018 21:06	WG1103312
1,1-Dichloroethane	U		0.000228	0.00114	1	04/26/2018 21:06	WG1103312
1,2-Dichloroethane	U		0.000303	0.00114	1	04/26/2018 21:06	WG1103312
1,1-Dichloroethene	U		0.000347	0.00114	1	04/26/2018 21:06	WG1103312
cis-1,2-Dichloroethene	0.00237		0.000269	0.00114	1	04/26/2018 21:06	WG1103312
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	04/26/2018 21:06	WG1103312
1,2-Dichloropropane	U		0.000409	0.00114	1	04/26/2018 21:06	WG1103312
1,1-Dichloropropene	U		0.000363	0.00114	1	04/26/2018 21:06	WG1103312
1,3-Dichloropropane	U		0.000237	0.00114	1	04/26/2018 21:06	WG1103312
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	04/26/2018 21:06	WG1103312
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	04/26/2018 21:06	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	04/26/2018 21:06	WG1103312
2,2-Dichloropropane	U		0.000319	0.00114	1	04/26/2018 21:06	WG1103312
Di-isopropyl ether	U		0.000284	0.00114	1	04/26/2018 21:06	WG1103312
Ethylbenzene	U		0.000340	0.00114	1	04/26/2018 21:06	WG1103312
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	04/26/2018 21:06	WG1103312
2-Hexanone	U	J3	0.00157	0.0114	1	04/26/2018 21:06	WG1103312
n-Hexane	U		0.000332	0.0114	1	04/26/2018 21:06	WG1103312
Iodomethane	U		0.00289	0.0114	1	04/26/2018 21:06	WG1103312
Isopropylbenzene	U		0.000278	0.00114	1	04/26/2018 21:06	WG1103312
p-Isopropyltoluene	U		0.000233	0.00114	1	04/26/2018 21:06	WG1103312
2-Butanone (MEK)	U		0.00535	0.0114	1	04/26/2018 21:06	WG1103312
Methylene Chloride	U		0.00114	0.00572	1	04/26/2018 21:06	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	04/26/2018 21:06	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	04/26/2018 21:06	WG1103312
Naphthalene	U		0.00114	0.00572	1	04/26/2018 21:06	WG1103312
n-Propylbenzene	U		0.000236	0.00114	1	04/26/2018 21:06	WG1103312
Styrene	U		0.000268	0.00114	1	04/26/2018 21:06	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	04/26/2018 21:06	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	04/26/2018 21:06	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	04/26/2018 21:06	WG1103312
Tetrachloroethene	U		0.000316	0.00114	1	04/26/2018 21:06	WG1103312
Toluene	U		0.000496	0.00572	1	04/26/2018 21:06	WG1103312
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	04/26/2018 21:06	WG1103312
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	04/26/2018 21:06	WG1103312
1,1,1-Trichloroethane	U		0.000327	0.00114	1	04/26/2018 21:06	WG1103312
1,1,2-Trichloroethane	U		0.000317	0.00114	1	04/26/2018 21:06	WG1103312
Trichloroethene	U		0.000319	0.00114	1	04/26/2018 21:06	WG1103312
Trichlorofluoromethane	U		0.000437	0.00572	1	04/26/2018 21:06	WG1103312
1,2,3-Trichloropropane	U		0.000848	0.00286	1	04/26/2018 21:06	WG1103312
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	04/26/2018 21:06	WG1103312
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	04/26/2018 21:06	WG1103312
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	04/26/2018 21:06	WG1103312
Vinyl acetate	U		0.00273	0.0114	1	04/26/2018 21:06	WG1103312
Vinyl chloride	0.0123		0.000333	0.00114	1	04/26/2018 21:06	WG1103312
Xylenes, Total	U		0.000798	0.00343	1	04/26/2018 21:06	WG1103312
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 21:06*	WG1103312
(S) Dibromofluoromethane	*95.9*			*74.0-131*		*04/26/2018 21:06*	WG1103312
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*04/26/2018 21:06*	WG1103312

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	04/26/2018 10:54	WG1103334

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0112	0.0559	1	04/26/2018 21:27	WG1103312
Acrylonitrile	U		0.00200	0.0112	1	04/26/2018 21:27	WG1103312
Benzene	U		0.000302	0.00112	1	04/26/2018 21:27	WG1103312
Bromobenzene	U		0.000317	0.00112	1	04/26/2018 21:27	WG1103312
Bromodichloromethane	U		0.000284	0.00112	1	04/26/2018 21:27	WG1103312
Bromochloromethane	U		0.000436	0.00559	1	04/26/2018 21:27	WG1103312
Bromoform	U		0.000474	0.00112	1	04/26/2018 21:27	WG1103312
Bromomethane	U		0.00150	0.00559	1	04/26/2018 21:27	WG1103312
n-Butylbenzene	U		0.000288	0.00112	1	04/26/2018 21:27	WG1103312
sec-Butylbenzene	U		0.000225	0.00112	1	04/26/2018 21:27	WG1103312
tert-Butylbenzene	U		0.000230	0.00112	1	04/26/2018 21:27	WG1103312
Carbon disulfide	0.000400	J	0.000247	0.00112	1	04/26/2018 21:27	WG1103312
Carbon tetrachloride	U		0.000367	0.00112	1	04/26/2018 21:27	WG1103312
Chlorobenzene	U		0.000237	0.00112	1	04/26/2018 21:27	WG1103312
Chlorodibromomethane	U		0.000417	0.00112	1	04/26/2018 21:27	WG1103312
Chloroethane	U	J0	0.00106	0.00559	1	04/26/2018 21:27	WG1103312
Chloroform	U		0.000256	0.00559	1	04/26/2018 21:27	WG1103312
Chloromethane	0.000478	J	0.000419	0.00279	1	04/26/2018 21:27	WG1103312
2-Chlorotoluene	U		0.000336	0.00112	1	04/26/2018 21:27	WG1103312
4-Chlorotoluene	U		0.000268	0.00112	1	04/26/2018 21:27	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	04/26/2018 21:27	WG1103312
1,2-Dibromoethane	U		0.000383	0.00112	1	04/26/2018 21:27	WG1103312
Dibromomethane	U		0.000427	0.00112	1	04/26/2018 21:27	WG1103312
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/26/2018 21:27	WG1103312
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/26/2018 21:27	WG1103312
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/26/2018 21:27	WG1103312
Dichlorodifluoromethane	U	J0	0.000797	0.00559	1	04/26/2018 21:27	WG1103312
1,1-Dichloroethane	U		0.000222	0.00112	1	04/26/2018 21:27	WG1103312
1,2-Dichloroethane	U		0.000296	0.00112	1	04/26/2018 21:27	WG1103312
1,1-Dichloroethene	U		0.000339	0.00112	1	04/26/2018 21:27	WG1103312
cis-1,2-Dichloroethene	0.00249		0.000263	0.00112	1	04/26/2018 21:27	WG1103312
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/26/2018 21:27	WG1103312
1,2-Dichloropropane	U		0.000400	0.00112	1	04/26/2018 21:27	WG1103312
1,1-Dichloropropene	U		0.000354	0.00112	1	04/26/2018 21:27	WG1103312
1,3-Dichloropropane	U		0.000231	0.00112	1	04/26/2018 21:27	WG1103312
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/26/2018 21:27	WG1103312
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/26/2018 21:27	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000870	0.00279	1	04/26/2018 21:27	WG1103312
2,2-Dichloropropane	U		0.000312	0.00112	1	04/26/2018 21:27	WG1103312
Di-isopropyl ether	U		0.000277	0.00112	1	04/26/2018 21:27	WG1103312
Ethylbenzene	U		0.000332	0.00112	1	04/26/2018 21:27	WG1103312
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/26/2018 21:27	WG1103312
2-Hexanone	U	J3	0.00153	0.0112	1	04/26/2018 21:27	WG1103312
n-Hexane	0.000943	J	0.000324	0.0112	1	04/26/2018 21:27	WG1103312
Iodomethane	U		0.00283	0.0112	1	04/26/2018 21:27	WG1103312
Isopropylbenzene	U		0.000272	0.00112	1	04/26/2018 21:27	WG1103312
p-Isopropyltoluene	U		0.000228	0.00112	1	04/26/2018 21:27	WG1103312
2-Butanone (MEK)	U		0.00523	0.0112	1	04/26/2018 21:27	WG1103312
Methylene Chloride	U		0.00112	0.00559	1	04/26/2018 21:27	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/26/2018 21:27	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/26/2018 21:27	WG1103312
Naphthalene	U		0.00112	0.00559	1	04/26/2018 21:27	WG1103312
n-Propylbenzene	U		0.000230	0.00112	1	04/26/2018 21:27	WG1103312
Styrene	U		0.000262	0.00112	1	04/26/2018 21:27	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/26/2018 21:27	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/26/2018 21:27	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/26/2018 21:27	WG1103312
Tetrachloroethene	U		0.000309	0.00112	1	04/26/2018 21:27	WG1103312
Toluene	U		0.000485	0.00559	1	04/26/2018 21:27	WG1103312
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/26/2018 21:27	WG1103312
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/26/2018 21:27	WG1103312
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/26/2018 21:27	WG1103312
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/26/2018 21:27	WG1103312
Trichloroethene	U		0.000312	0.00112	1	04/26/2018 21:27	WG1103312
Trichlorofluoromethane	U		0.000427	0.00559	1	04/26/2018 21:27	WG1103312
1,2,3-Trichloropropane	U		0.000828	0.00279	1	04/26/2018 21:27	WG1103312
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/26/2018 21:27	WG1103312
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/26/2018 21:27	WG1103312
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/26/2018 21:27	WG1103312
Vinyl acetate	U		0.00267	0.0112	1	04/26/2018 21:27	WG1103312
Vinyl chloride	0.00344		0.000325	0.00112	1	04/26/2018 21:27	WG1103312
Xylenes, Total	U		0.000780	0.00335	1	04/26/2018 21:27	WG1103312
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 21:27*	WG1103312
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*04/26/2018 21:27*	WG1103312
(S) 4-Bromofluorobenzene	*95.7*			*64.0-132*		*04/26/2018 21:27*	WG1103312

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	04/26/2018 10:54	WG1103334

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J0	0.0108	0.0541	1	04/26/2018 21:48	WG1103312
Acrylonitrile	U		0.00194	0.0108	1	04/26/2018 21:48	WG1103312
Benzene	U		0.000292	0.00108	1	04/26/2018 21:48	WG1103312
Bromobenzene	U		0.000307	0.00108	1	04/26/2018 21:48	WG1103312
Bromodichloromethane	U		0.000275	0.00108	1	04/26/2018 21:48	WG1103312
Bromochloromethane	U		0.000422	0.00541	1	04/26/2018 21:48	WG1103312
Bromoform	U		0.000459	0.00108	1	04/26/2018 21:48	WG1103312
Bromomethane	U		0.00145	0.00541	1	04/26/2018 21:48	WG1103312
n-Butylbenzene	U		0.000279	0.00108	1	04/26/2018 21:48	WG1103312
sec-Butylbenzene	U		0.000218	0.00108	1	04/26/2018 21:48	WG1103312
tert-Butylbenzene	U		0.000223	0.00108	1	04/26/2018 21:48	WG1103312
Carbon disulfide	0.000540	J	0.000239	0.00108	1	04/26/2018 21:48	WG1103312
Carbon tetrachloride	U		0.000355	0.00108	1	04/26/2018 21:48	WG1103312
Chlorobenzene	U		0.000229	0.00108	1	04/26/2018 21:48	WG1103312
Chlorodibromomethane	U		0.000404	0.00108	1	04/26/2018 21:48	WG1103312
Chloroethane	U	J0	0.00102	0.00541	1	04/26/2018 21:48	WG1103312
Chloroform	U		0.000248	0.00541	1	04/26/2018 21:48	WG1103312
Chloromethane	0.00105	J	0.000406	0.00271	1	04/26/2018 21:48	WG1103312
2-Chlorotoluene	U		0.000326	0.00108	1	04/26/2018 21:48	WG1103312
4-Chlorotoluene	U		0.000260	0.00108	1	04/26/2018 21:48	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	04/26/2018 21:48	WG1103312
1,2-Dibromoethane	U		0.000371	0.00108	1	04/26/2018 21:48	WG1103312
Dibromomethane	U		0.000413	0.00108	1	04/26/2018 21:48	WG1103312
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/26/2018 21:48	WG1103312
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/26/2018 21:48	WG1103312
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/26/2018 21:48	WG1103312
Dichlorodifluoromethane	U	J0	0.000772	0.00541	1	04/26/2018 21:48	WG1103312
1,1-Dichloroethane	U		0.000215	0.00108	1	04/26/2018 21:48	WG1103312
1,2-Dichloroethane	U		0.000287	0.00108	1	04/26/2018 21:48	WG1103312
1,1-Dichloroethene	U		0.000328	0.00108	1	04/26/2018 21:48	WG1103312
cis-1,2-Dichloroethene	0.00164		0.000254	0.00108	1	04/26/2018 21:48	WG1103312
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/26/2018 21:48	WG1103312
1,2-Dichloropropane	U		0.000388	0.00108	1	04/26/2018 21:48	WG1103312
1,1-Dichloropropene	U		0.000343	0.00108	1	04/26/2018 21:48	WG1103312
1,3-Dichloropropane	U		0.000224	0.00108	1	04/26/2018 21:48	WG1103312
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/26/2018 21:48	WG1103312
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/26/2018 21:48	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000842	0.00271	1	04/26/2018 21:48	WG1103312
2,2-Dichloropropane	U		0.000302	0.00108	1	04/26/2018 21:48	WG1103312
Di-isopropyl ether	U		0.000268	0.00108	1	04/26/2018 21:48	WG1103312
Ethylbenzene	U		0.000321	0.00108	1	04/26/2018 21:48	WG1103312
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	04/26/2018 21:48	WG1103312
2-Hexanone	U	J3	0.00148	0.0108	1	04/26/2018 21:48	WG1103312
n-Hexane	0.00202	J	0.000314	0.0108	1	04/26/2018 21:48	WG1103312
Iodomethane	U		0.00274	0.0108	1	04/26/2018 21:48	WG1103312
Isopropylbenzene	U		0.000263	0.00108	1	04/26/2018 21:48	WG1103312
p-Isopropyltoluene	U		0.000221	0.00108	1	04/26/2018 21:48	WG1103312
2-Butanone (MEK)	U		0.00507	0.0108	1	04/26/2018 21:48	WG1103312
Methylene Chloride	U		0.00108	0.00541	1	04/26/2018 21:48	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/26/2018 21:48	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/26/2018 21:48	WG1103312
Naphthalene	U		0.00108	0.00541	1	04/26/2018 21:48	WG1103312
n-Propylbenzene	U		0.000223	0.00108	1	04/26/2018 21:48	WG1103312
Styrene	U		0.000253	0.00108	1	04/26/2018 21:48	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/26/2018 21:48	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/26/2018 21:48	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/26/2018 21:48	WG1103312
Tetrachloroethene	U		0.000299	0.00108	1	04/26/2018 21:48	WG1103312
Toluene	U		0.000470	0.00541	1	04/26/2018 21:48	WG1103312
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/26/2018 21:48	WG1103312
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/26/2018 21:48	WG1103312
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/26/2018 21:48	WG1103312
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/26/2018 21:48	WG1103312
Trichloroethene	U		0.000302	0.00108	1	04/26/2018 21:48	WG1103312
Trichlorofluoromethane	U		0.000413	0.00541	1	04/26/2018 21:48	WG1103312
1,2,3-Trichloropropane	U		0.000802	0.00271	1	04/26/2018 21:48	WG1103312
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/26/2018 21:48	WG1103312
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/26/2018 21:48	WG1103312
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/26/2018 21:48	WG1103312
Vinyl acetate	U		0.00259	0.0108	1	04/26/2018 21:48	WG1103312
Vinyl chloride	0.00310		0.000315	0.00108	1	04/26/2018 21:48	WG1103312
Xylenes, Total	U		0.000756	0.00325	1	04/26/2018 21:48	WG1103312
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 21:48*	WG1103312
(S) Dibromofluoromethane	*92.4*			*74.0-131*		*04/26/2018 21:48*	WG1103312
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*04/26/2018 21:48*	WG1103312

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/24/2018 15:16	WG1102311
Acrylonitrile	U		0.873	5.00	1	04/24/2018 15:16	WG1102311
Benzene	U		0.0896	0.500	1	04/24/2018 15:16	WG1102311
Bromobenzene	U		0.133	0.500	1	04/24/2018 15:16	WG1102311
Bromodichloromethane	U		0.0800	0.500	1	04/24/2018 15:16	WG1102311
Bromochloromethane	U		0.145	0.500	1	04/24/2018 15:16	WG1102311
Bromoform	U		0.186	0.500	1	04/24/2018 15:16	WG1102311
Bromomethane	U		0.157	2.50	1	04/24/2018 15:16	WG1102311
n-Butylbenzene	U		0.143	0.500	1	04/24/2018 15:16	WG1102311
sec-Butylbenzene	U		0.134	0.500	1	04/24/2018 15:16	WG1102311
tert-Butylbenzene	U		0.183	0.500	1	04/24/2018 15:16	WG1102311
Carbon disulfide	U		0.101	0.500	1	04/24/2018 15:16	WG1102311
Carbon tetrachloride	U		0.159	0.500	1	04/24/2018 15:16	WG1102311
Chlorobenzene	U		0.140	0.500	1	04/24/2018 15:16	WG1102311
Chlorodibromomethane	U		0.128	0.500	1	04/24/2018 15:16	WG1102311
Chloroethane	U		0.141	2.50	1	04/24/2018 15:16	WG1102311
Chloroform	U		0.0860	0.500	1	04/24/2018 15:16	WG1102311
Chloromethane	U		0.153	1.25	1	04/24/2018 15:16	WG1102311
2-Chlorotoluene	U		0.111	0.500	1	04/24/2018 15:16	WG1102311
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2018 15:16	WG1102311
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2018 15:16	WG1102311
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2018 15:16	WG1102311
Dibromomethane	U		0.117	0.500	1	04/24/2018 15:16	WG1102311
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2018 15:16	WG1102311
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2018 15:16	WG1102311
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2018 15:16	WG1102311
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2018 15:16	WG1102311
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2018 15:16	WG1102311
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2018 15:16	WG1102311
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2018 15:16	WG1102311
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2018 15:16	WG1102311
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2018 15:16	WG1102311
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2018 15:16	WG1102311
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2018 15:16	WG1102311
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2018 15:16	WG1102311
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2018 15:16	WG1102311
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2018 15:16	WG1102311
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	04/24/2018 15:16	WG1102311
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2018 15:16	WG1102311
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2018 15:16	WG1102311
Ethylbenzene	U		0.158	0.500	1	04/24/2018 15:16	WG1102311
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2018 15:16	WG1102311
2-Hexanone	U		0.757	5.00	1	04/24/2018 15:16	WG1102311
n-Hexane	U		0.305	5.00	1	04/24/2018 15:16	WG1102311
Iodomethane	U		0.377	10.0	1	04/24/2018 15:16	WG1102311
Isopropylbenzene	U		0.126	0.500	1	04/24/2018 15:16	WG1102311
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2018 15:16	WG1102311
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2018 15:16	WG1102311
Methylene Chloride	U		1.07	2.50	1	04/24/2018 15:16	WG1102311
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2018 15:16	WG1102311
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2018 15:16	WG1102311
Naphthalene	U		0.174	2.50	1	04/24/2018 15:16	WG1102311
n-Propylbenzene	U		0.162	0.500	1	04/24/2018 15:16	WG1102311
Styrene	U		0.117	0.500	1	04/24/2018 15:16	WG1102311
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2018 15:16	WG1102311
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2018 15:16	WG1102311

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2018 15:16	WG1102311
Tetrachloroethene	U		0.199	0.500	1	04/24/2018 15:16	WG1102311
Toluene	U		0.412	0.500	1	04/24/2018 15:16	WG1102311
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2018 15:16	WG1102311
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2018 15:16	WG1102311
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2018 15:16	WG1102311
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2018 15:16	WG1102311
Trichloroethene	U		0.153	0.500	1	04/24/2018 15:16	WG1102311
Trichlorofluoromethane	U		0.130	2.50	1	04/24/2018 15:16	WG1102311
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2018 15:16	WG1102311
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2018 15:16	WG1102311
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2018 15:16	WG1102311
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2018 15:16	WG1102311
Vinyl acetate	U		0.645	5.00	1	04/24/2018 15:16	WG1102311
Vinyl chloride	U		0.118	0.500	1	04/24/2018 15:16	WG1102311
Xylenes, Total	U		0.316	1.50	1	04/24/2018 15:16	WG1102311
(S) Toluene-d8	*96.3*			*80.0-120*		*04/24/2018 15:16*	WG1102311
(S) Dibromofluoromethane	*116*			*76.0-123*		*04/24/2018 15:16*	WG1102311
(S) 4-Bromofluorobenzene	*87.4*			*80.0-120*		*04/24/2018 15:16*	WG1102311

Method Blank (MB)

(MB) R3305183-1 04/26/18 11:29

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L987923-03 Original Sample (OS) • Duplicate (DUP)

(OS) L987923-03 04/26/18 11:29 • (DUP) R3305183-3 04/26/18 11:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.2	91.2	1	1.11		5

Laboratory Control Sample (LCS)

(LCS) R3305183-2 04/26/18 11:29

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305179-1 04/26/18 11:13

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L987923-08 Original Sample (OS) • Duplicate (DUP)

(OS) L987923-08 04/26/18 11:13 • (DUP) R3305179-3 04/26/18 11:13

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.1	89.4	1	0.351		5

Laboratory Control Sample (LCS)

(LCS) R3305179-2 04/26/18 11:13

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305177-1 04/26/18 10:54

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L987934-01 Original Sample (OS) • Duplicate (DUP)

(OS) L987934-01 04/26/18 10:54 • (DUP) R3305177-3 04/26/18 10:54

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.4	80.5	1	0.154		5

Laboratory Control Sample (LCS)

(LCS) R3305177-2 04/26/18 10:54

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305745-3 04/24/18 11:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,2-Dichloroethene	U		0.0933	0.500
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3305745-3 04/24/18 11:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Methyl tert-butyl ether	U		0.102	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
Naphthalene	U		0.174	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Toluene	U		0.412	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*96.7*			*80.0-120*
(S) Dibromofluoromethane	*114*			*76.0-123*
(S) 4-Bromofluorobenzene	*98.3*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3305745-1 04/24/18 10:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	105	83.9	10.0-160	
Acrylonitrile	125	134	107	60.0-142	
Bromobenzene	25.0	22.5	90.0	79.0-120	
Bromodichloromethane	25.0	22.7	90.8	76.0-120	
Bromochloromethane	25.0	25.7	103	76.0-122	
Bromoform	25.0	21.4	85.7	67.0-132	
Bromomethane	25.0	31.6	126	18.0-160	
n-Butylbenzene	25.0	27.6	111	72.0-126	
sec-Butylbenzene	25.0	24.8	99.2	74.0-121	
tert-Butylbenzene	25.0	23.1	92.6	75.0-122	
Carbon disulfide	25.0	25.1	100	55.0-127	
Carbon tetrachloride	25.0	25.6	102	63.0-122	
Chlorobenzene	25.0	22.3	89.3	79.0-121	
Chlorodibromomethane	25.0	22.6	90.5	75.0-125	
Chloroethane	25.0	27.7	111	47.0-152	
Chloroform	25.0	24.3	97.4	72.0-121	
Chloromethane	25.0	28.5	114	48.0-139	
2-Chlorotoluene	25.0	24.4	97.6	74.0-122	
4-Chlorotoluene	25.0	23.5	93.9	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	22.0	88.1	64.0-127	
1,2-Dibromoethane	25.0	22.7	90.7	77.0-123	
Dibromomethane	25.0	25.3	101	78.0-120	
1,2-Dichlorobenzene	25.0	25.7	103	80.0-120	
1,3-Dichlorobenzene	25.0	23.3	93.3	72.0-123	
1,4-Dichlorobenzene	25.0	25.0	100	77.0-120	
Dichlorodifluoromethane	25.0	28.7	115	49.0-155	
1,1-Dichloroethane	25.0	27.8	111	70.0-126	
1,2-Dichloroethane	25.0	26.9	107	67.0-126	
1,1-Dichloroethene	25.0	23.7	94.9	64.0-129	
1,2-Dichloropropane	25.0	25.1	100	75.0-125	
1,1-Dichloropropene	25.0	28.6	114	71.0-129	
1,3-Dichloropropane	25.0	24.2	96.9	80.0-121	
cis-1,3-Dichloropropene	25.0	23.8	95.2	79.0-123	
trans-1,3-Dichloropropene	25.0	23.9	95.6	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	11.5	46.1	55.0-134	J4
2,2-Dichloropropane	25.0	28.6	114	60.0-125	
Benzene	25.0	26.3	105	69.0-123	
Di-isopropyl ether	25.0	27.5	110	59.0-133	
Hexachloro-1,3-butadiene	25.0	21.2	85.0	64.0-131	
2-Hexanone	125	112	89.9	58.0-147	

Laboratory Control Sample (LCS)

(LCS) R3305745-1 04/24/18 10:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
n-Hexane	25.0	26.4	106	56.0-124	
Iodomethane	125	124	98.9	57.0-140	
Isopropylbenzene	25.0	24.3	97.0	75.0-120	
p-Isopropyltoluene	25.0	23.4	93.5	74.0-126	
2-Butanone (MEK)	125	130	104	37.0-158	
Methylene Chloride	25.0	24.5	98.2	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	120	95.7	59.0-143	
n-Propylbenzene	25.0	24.3	97.2	79.0-120	
Styrene	25.0	21.9	87.6	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	22.1	88.6	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	21.8	87.2	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	29.6	118	61.0-136	
Tetrachloroethene	25.0	21.9	87.6	70.0-127	
1,2,3-Trichlorobenzene	25.0	23.2	92.7	61.0-133	
1,2,4-Trichlorobenzene	25.0	23.3	93.3	69.0-129	
1,1,1-Trichloroethane	25.0	25.8	103	68.0-122	
1,1,2-Trichloroethane	25.0	21.0	84.0	78.0-120	
Trichloroethene	25.0	23.3	93.3	78.0-120	
Trichlorofluoromethane	25.0	31.4	126	56.0-137	
1,2,3-Trichloropropane	25.0	21.9	87.6	72.0-124	
1,2,4-Trimethylbenzene	25.0	23.3	93.1	75.0-120	
1,2,3-Trimethylbenzene	25.0	27.3	109	75.0-120	
1,3,5-Trimethylbenzene	25.0	23.8	95.2	75.0-120	
Vinyl acetate	125	159	127	46.0-160	
cis-1,2-Dichloroethene	25.0	23.9	95.8	73.0-120	
Vinyl chloride	25.0	29.0	116	64.0-133	
trans-1,2-Dichloroethene	25.0	25.1	101	71.0-121	
Ethylbenzene	25.0	22.6	90.2	77.0-120	
Methyl tert-butyl ether	25.0	25.7	103	64.0-123	
Naphthalene	25.0	23.8	95.2	62.0-128	
Toluene	25.0	23.1	92.2	77.0-120	
Xylenes, Total	75.0	68.8	91.7	77.0-120	
(S) Toluene-d8			*95.0*	*80.0-120*	
(S) Dibromofluoromethane			*110*	*76.0-123*	
(S) 4-Bromofluorobenzene			*95.3*	*80.0-120*	

Method Blank (MB)

(MB) R3304779-3 04/26/18 01:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3304779-3 04/26/18 01:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) Dibromofluoromethane	*84.8*			*74.0-131*
(S) 4-Bromofluorobenzene	*93.0*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304779-1 04/26/18 00:30 • (LCSD) R3304779-2 04/26/18 00:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.181	0.155	145	124	11.0-160			15.2	23
Acrylonitrile	0.125	0.129	0.113	104	90.0	61.0-143			14.0	20
Benzene	0.0250	0.0212	0.0207	84.7	82.7	71.0-124			2.39	20
Bromobenzene	0.0250	0.0221	0.0232	88.4	92.7	78.0-120			4.84	20
Bromodichloromethane	0.0250	0.0259	0.0254	103	102	75.0-120			1.66	20
Bromochloromethane	0.0250	0.0246	0.0224	98.5	89.8	80.0-121			9.29	20
Bromoform	0.0250	0.0272	0.0273	109	109	65.0-133			0.273	20
Bromomethane	0.0250	0.0184	0.0172	73.5	68.7	26.0-160			6.70	20
n-Butylbenzene	0.0250	0.0217	0.0228	86.8	91.3	73.0-126			5.01	20
sec-Butylbenzene	0.0250	0.0229	0.0238	91.7	95.3	75.0-121			3.90	20
tert-Butylbenzene	0.0250	0.0239	0.0250	95.4	99.8	74.0-122			4.47	20
Carbon disulfide	0.0250	0.0214	0.0202	85.7	80.8	53.0-130			5.84	20
Carbon tetrachloride	0.0250	0.0220	0.0210	88.1	84.0	66.0-123			4.75	20
Chlorobenzene	0.0250	0.0252	0.0258	101	103	79.0-121			2.47	20
Chlorodibromomethane	0.0250	0.0279	0.0278	111	111	74.0-128			0.122	20
Chloroethane	0.0250	0.0185	0.0172	74.1	68.8	51.0-147			7.35	20
Chloroform	0.0250	0.0227	0.0212	90.7	84.9	73.0-123			6.59	20
Chloromethane	0.0250	0.0225	0.0211	89.8	84.6	51.0-138			5.97	20
2-Chlorotoluene	0.0250	0.0225	0.0239	89.9	95.6	72.0-124			6.22	20
4-Chlorotoluene	0.0250	0.0219	0.0227	87.4	90.9	78.0-120			3.93	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0283	0.0257	113	103	65.0-126			9.81	20
1,2-Dibromoethane	0.0250	0.0274	0.0271	110	109	78.0-122			0.945	20
Dibromomethane	0.0250	0.0263	0.0258	105	103	79.0-120			1.85	20
1,2-Dichlorobenzene	0.0250	0.0245	0.0253	98.2	101	80.0-120			2.86	20
1,3-Dichlorobenzene	0.0250	0.0231	0.0245	92.5	98.0	72.0-123			5.77	20
1,4-Dichlorobenzene	0.0250	0.0223	0.0233	89.3	93.2	77.0-120			4.29	20
trans-1,4-Dichloro-2-butene	0.0250	0.0306	0.0296	122	118	68.0-126			3.15	20
Dichlorodifluoromethane	0.0250	0.0257	0.0234	103	93.8	49.0-155			9.19	20
1,1-Dichloroethane	0.0250	0.0225	0.0213	90.1	85.3	70.0-128			5.45	20
1,2-Dichloroethane	0.0250	0.0239	0.0231	95.7	92.3	69.0-128			3.67	20
1,1-Dichloroethene	0.0250	0.0221	0.0205	88.3	82.2	63.0-131			7.26	20
cis-1,2-Dichloroethene	0.0250	0.0223	0.0210	89.1	84.1	74.0-123			5.75	20
trans-1,2-Dichloroethene	0.0250	0.0220	0.0207	88.1	82.6	72.0-122			6.45	20
1,2-Dichloropropane	0.0250	0.0248	0.0249	99.4	99.8	75.0-126			0.403	20
1,1-Dichloropropene	0.0250	0.0213	0.0206	85.4	82.6	72.0-130			3.38	20
1,3-Dichloropropane	0.0250	0.0255	0.0267	102	107	80.0-121			4.33	20
cis-1,3-Dichloropropene	0.0250	0.0247	0.0263	98.9	105	80.0-125			6.26	20
trans-1,3-Dichloropropene	0.0250	0.0261	0.0267	104	107	75.0-129			2.24	20
2,2-Dichloropropane	0.0250	0.0221	0.0210	88.4	83.9	60.0-129			5.22	20
Di-isopropyl ether	0.0250	0.0233	0.0216	93.2	86.6	62.0-133			7.34	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3304779-1 04/26/18 00:30 • (LCSD) R3304779-2 04/26/18 00:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0253	0.0260	101	104	77.0-120			2.96	20
Hexachloro-1,3-butadiene	0.0250	0.0293	0.0308	117	123	68.0-128			5.03	20
2-Hexanone	0.125	0.169	0.149	135	119	61.0-143			12.2	20
n-Hexane	0.0250	0.0221	0.0219	88.3	87.7	57.0-125			0.737	20
Iodomethane	0.125	0.121	0.112	97.1	89.7	67.0-132			7.85	20
Isopropylbenzene	0.0250	0.0227	0.0244	90.9	97.5	75.0-120			6.94	20
p-Isopropyltoluene	0.0250	0.0229	0.0244	91.8	97.5	74.0-125			6.11	20
2-Butanone (MEK)	0.125	0.165	0.147	132	117	37.0-159			11.7	20
Methylene Chloride	0.0250	0.0227	0.0212	91.0	84.7	67.0-123			7.21	20
4-Methyl-2-pentanone (MIBK)	0.125	0.158	0.140	126	112	60.0-144			11.6	20
Methyl tert-butyl ether	0.0250	0.0254	0.0223	101	89.2	66.0-125			12.8	20
Naphthalene	0.0250	0.0267	0.0258	107	103	64.0-125			3.20	20
n-Propylbenzene	0.0250	0.0220	0.0230	88.2	92.1	78.0-120			4.36	20
Styrene	0.0250	0.0239	0.0256	95.5	103	78.0-124			7.09	20
1,1,1,2-Tetrachloroethane	0.0250	0.0279	0.0275	112	110	74.0-124			1.28	20
1,1,2,2-Tetrachloroethane	0.0250	0.0240	0.0236	95.9	94.3	73.0-120			1.68	20
Tetrachloroethene	0.0250	0.0260	0.0275	104	110	70.0-127			5.50	20
Toluene	0.0250	0.0237	0.0249	94.9	99.6	77.0-120			4.80	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0232	0.0218	92.7	87.1	64.0-135			6.24	20
1,2,3-Trichlorobenzene	0.0250	0.0268	0.0275	107	110	68.0-126			2.49	20
1,2,4-Trichlorobenzene	0.0250	0.0248	0.0257	99.3	103	70.0-127			3.39	20
1,1,1-Trichloroethane	0.0250	0.0230	0.0218	92.1	87.2	69.0-125			5.49	20
1,1,2-Trichloroethane	0.0250	0.0258	0.0259	103	104	78.0-120			0.480	20
Trichloroethene	0.0250	0.0255	0.0259	102	103	79.0-120			1.42	20
Trichlorofluoromethane	0.0250	0.0231	0.0220	92.3	87.8	59.0-136			4.96	20
1,2,3-Trichloropropane	0.0250	0.0250	0.0246	99.9	98.4	73.0-124			1.55	20
1,2,3-Trimethylbenzene	0.0250	0.0230	0.0241	92.1	96.2	76.0-120			4.36	20
1,2,4-Trimethylbenzene	0.0250	0.0229	0.0240	91.5	95.9	75.0-120			4.63	20
1,3,5-Trimethylbenzene	0.0250	0.0228	0.0242	91.1	96.9	75.0-120			6.19	20
Vinyl acetate	0.125	0.117	0.113	93.6	90.3	58.0-156			3.62	20
Vinyl chloride	0.0250	0.0219	0.0207	87.5	83.0	63.0-134			5.34	20
Xylenes, Total	0.0750	0.0770	0.0779	103	104	77.0-120			1.16	20
(S) Toluene-d8				*109*	*110*	*80.0-120*				
(S) Dibromofluoromethane				*90.6*	*83.5*	*74.0-131*				
(S) 4-Bromofluorobenzene				*90.5*	*91.8*	*64.0-132*				

Method Blank (MB)

(MB) R3305219-5 04/26/18 15:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3305219-5 04/26/18 15:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*115*			*80.0-120*
(S) Dibromofluoromethane	*84.8*			*74.0-131*
(S) 4-Bromofluorobenzene	*94.3*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305219-1 04/26/18 13:55 • (LCSD) R3305219-2 04/26/18 14:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.127	0.101	101	81.1	11.0-160			22.3	23
Acrylonitrile	0.125	0.147	0.124	118	98.9	61.0-143			17.4	20
Benzene	0.0250	0.0228	0.0222	91.2	89.0	71.0-124			2.43	20
Bromobenzene	0.0250	0.0228	0.0239	91.1	95.5	78.0-120			4.75	20
Bromodichloromethane	0.0250	0.0253	0.0260	101	104	75.0-120			2.72	20
Bromochloromethane	0.0250	0.0264	0.0244	106	97.7	80.0-121			7.74	20
Bromoform	0.0250	0.0277	0.0272	111	109	65.0-133			1.83	20
Bromomethane	0.0250	0.0205	0.0200	82.1	80.1	26.0-160			2.46	20
n-Butylbenzene	0.0250	0.0227	0.0246	91.0	98.4	73.0-126			7.86	20
sec-Butylbenzene	0.0250	0.0231	0.0254	92.4	102	75.0-121			9.61	20
tert-Butylbenzene	0.0250	0.0240	0.0263	96.0	105	74.0-122			8.97	20
Carbon disulfide	0.0250	0.0227	0.0224	90.8	89.4	53.0-130			1.50	20
Carbon tetrachloride	0.0250	0.0233	0.0234	93.1	93.6	66.0-123			0.529	20
Chlorobenzene	0.0250	0.0276	0.0279	110	112	79.0-121			1.30	20
Chlorodibromomethane	0.0250	0.0300	0.0288	120	115	74.0-128			3.90	20
Chloroethane	0.0250	0.0202	0.0199	81.0	79.6	51.0-147			1.80	20
Chloroform	0.0250	0.0243	0.0236	97.3	94.4	73.0-123			2.97	20
Chloromethane	0.0250	0.0209	0.0205	83.7	82.1	51.0-138			1.89	20
2-Chlorotoluene	0.0250	0.0235	0.0251	93.8	100	72.0-124			6.63	20
4-Chlorotoluene	0.0250	0.0226	0.0238	90.2	95.3	78.0-120			5.41	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0297	0.0259	119	104	65.0-126			13.6	20
1,2-Dibromoethane	0.0250	0.0291	0.0284	116	114	78.0-122			2.15	20
Dibromomethane	0.0250	0.0276	0.0261	110	104	79.0-120			5.75	20
1,2-Dichlorobenzene	0.0250	0.0253	0.0261	101	104	80.0-120			3.31	20
1,3-Dichlorobenzene	0.0250	0.0246	0.0258	98.3	103	72.0-123			4.80	20
1,4-Dichlorobenzene	0.0250	0.0236	0.0244	94.5	97.8	77.0-120			3.40	20
trans-1,4-Dichloro-2-butene	0.0250	0.0302	0.0276	121	110	68.0-126			9.27	20
Dichlorodifluoromethane	0.0250	0.0188	0.0190	75.0	76.0	49.0-155			1.29	20
1,1-Dichloroethane	0.0250	0.0241	0.0237	96.6	94.8	70.0-128			1.91	20
1,2-Dichloroethane	0.0250	0.0261	0.0248	104	99.3	69.0-128			4.84	20
1,1-Dichloroethene	0.0250	0.0232	0.0231	93.0	92.4	63.0-131			0.643	20
cis-1,2-Dichloroethene	0.0250	0.0233	0.0229	93.1	91.4	74.0-123			1.80	20
trans-1,2-Dichloroethene	0.0250	0.0235	0.0234	94.0	93.5	72.0-122			0.613	20
1,2-Dichloropropane	0.0250	0.0265	0.0264	106	106	75.0-126			0.216	20
1,1-Dichloropropene	0.0250	0.0237	0.0232	94.6	92.9	72.0-130			1.81	20
1,3-Dichloropropane	0.0250	0.0279	0.0276	112	110	80.0-121			1.03	20
cis-1,3-Dichloropropene	0.0250	0.0272	0.0267	109	107	80.0-125			1.85	20
trans-1,3-Dichloropropene	0.0250	0.0283	0.0279	113	112	75.0-129			1.50	20
2,2-Dichloropropane	0.0250	0.0233	0.0235	93.1	94.0	60.0-129			0.945	20
Di-isopropyl ether	0.0250	0.0250	0.0240	99.8	96.0	62.0-133			3.90	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305219-1 04/26/18 13:55 • (LCSD) R3305219-2 04/26/18 14:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0273	0.0279	109	112	77.0-120			2.07	20
Hexachloro-1,3-butadiene	0.0250	0.0287	0.0321	115	128	68.0-128			11.1	20
2-Hexanone	0.125	0.176	0.141	141	113	61.0-143		J3	21.8	20
n-Hexane	0.0250	0.0229	0.0231	91.4	92.4	57.0-125			1.06	20
Iodomethane	0.125	0.129	0.126	103	101	67.0-132			2.42	20
Isopropylbenzene	0.0250	0.0233	0.0252	93.2	101	75.0-120			7.81	20
p-Isopropyltoluene	0.0250	0.0245	0.0266	98.0	106	74.0-125			8.28	20
2-Butanone (MEK)	0.125	0.144	0.118	115	94.3	37.0-159			19.8	20
Methylene Chloride	0.0250	0.0236	0.0222	94.2	88.8	67.0-123			5.87	20
4-Methyl-2-pentanone (MIBK)	0.125	0.181	0.148	144	118	60.0-144			20.0	20
Methyl tert-butyl ether	0.0250	0.0270	0.0239	108	95.8	66.0-125			12.2	20
Naphthalene	0.0250	0.0272	0.0261	109	105	64.0-125			3.92	20
n-Propylbenzene	0.0250	0.0230	0.0245	92.0	98.1	78.0-120			6.48	20
Styrene	0.0250	0.0227	0.0243	90.9	97.3	78.0-124			6.74	20
1,1,1,2-Tetrachloroethane	0.0250	0.0296	0.0299	118	120	74.0-124			1.13	20
1,1,2,2-Tetrachloroethane	0.0250	0.0261	0.0241	104	96.4	73.0-120			7.73	20
Tetrachloroethene	0.0250	0.0292	0.0302	117	121	70.0-127			3.32	20
Toluene	0.0250	0.0256	0.0264	102	106	77.0-120			2.97	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0256	0.0251	102	100	64.0-135			1.89	20
1,2,3-Trichlorobenzene	0.0250	0.0273	0.0284	109	114	68.0-126			3.86	20
1,2,4-Trichlorobenzene	0.0250	0.0256	0.0263	103	105	70.0-127			2.74	20
1,1,1-Trichloroethane	0.0250	0.0242	0.0244	96.8	97.5	69.0-125			0.750	20
1,1,2-Trichloroethane	0.0250	0.0277	0.0273	111	109	78.0-120			1.31	20
Trichloroethene	0.0250	0.0277	0.0275	111	110	79.0-120			0.936	20
Trichlorofluoromethane	0.0250	0.0229	0.0227	91.7	90.8	59.0-136			0.977	20
1,2,3-Trichloropropane	0.0250	0.0270	0.0248	108	99.2	73.0-124			8.66	20
1,2,3-Trimethylbenzene	0.0250	0.0239	0.0254	95.6	102	76.0-120			6.23	20
1,2,4-Trimethylbenzene	0.0250	0.0235	0.0249	94.2	99.6	75.0-120			5.60	20
1,3,5-Trimethylbenzene	0.0250	0.0238	0.0255	95.4	102	75.0-120			6.87	20
Vinyl acetate	0.125	0.139	0.125	111	100	58.0-156			10.4	20
Vinyl chloride	0.0250	0.0216	0.0214	86.4	85.5	63.0-134			1.06	20
Xylenes, Total	0.0750	0.0846	0.0853	113	114	77.0-120			0.824	20
(S) Toluene-d8				*109*	*111*	*80.0-120*				
(S) Dibromofluoromethane				*89.8*	*86.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*87.5*	*90.3*	*64.0-132*				

L988735-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988735-01 04/26/18 16:53 • (MS) R3305219-6 04/26/18 23:34 • (MSD) R3305219-7 04/26/18 23:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.157	U	2.87	3.71	73.2	94.5	25	10.0-160			25.4	36
Acrylonitrile	0.157	U	3.47	4.21	88.5	107	25	14.0-160			19.2	33
Benzene	0.0314	U	0.636	0.714	81.0	91.1	25	13.0-146			11.7	27
Bromobenzene	0.0314	U	0.660	0.745	84.1	95.0	25	10.0-149			12.2	33
Bromodichloromethane	0.0314	U	0.723	0.805	92.2	103	25	15.0-142			10.6	28
Bromochloromethane	0.0314	U	0.671	0.798	85.5	102	25	24.0-146			17.2	27
Bromoform	0.0314	U	0.668	0.798	85.2	102	25	10.0-147			17.7	31
Bromomethane	0.0314	U	0.361	0.391	46.1	49.8	25	10.0-160			7.81	32
n-Butylbenzene	0.0314	U	0.701	0.778	89.3	99.1	25	10.0-154			10.4	37
sec-Butylbenzene	0.0314	U	0.711	0.781	90.6	99.6	25	10.0-151			9.46	36
tert-Butylbenzene	0.0314	U	0.740	0.810	94.3	103	25	10.0-152			9.06	35
Carbon disulfide	0.0314	U	0.465	0.528	59.2	67.3	25	10.0-141			12.7	30
Carbon tetrachloride	0.0314	U	0.639	0.717	81.4	91.3	25	13.0-140			11.5	30
Chlorobenzene	0.0314	U	0.771	0.831	98.3	106	25	10.0-149			7.52	31
Chlorodibromomethane	0.0314	U	0.748	0.841	95.4	107	25	12.0-147			11.7	29
Chloroethane	0.0314	U	0.174	0.171	22.2	21.8	25	10.0-159			1.97	33
Chloroform	0.0314	U	0.677	0.760	86.2	96.8	25	18.0-148			11.5	28
Chloromethane	0.0314	U	0.541	0.599	69.0	76.3	25	10.0-146			10.1	29
2-Chlorotoluene	0.0314	U	0.693	0.770	88.4	98.2	25	10.0-151			10.5	35
4-Chlorotoluene	0.0314	U	0.654	0.736	83.3	93.9	25	10.0-150			11.9	35
1,2-Dibromo-3-Chloropropane	0.0314	U	0.657	0.800	83.8	102	25	10.0-149			19.6	34
1,2-Dibromoethane	0.0314	U	0.748	0.858	95.3	109	25	14.0-145			13.7	28
Dibromomethane	0.0314	U	0.704	0.808	89.8	103	25	18.0-144			13.7	27
1,2-Dichlorobenzene	0.0314	U	0.730	0.828	93.0	106	25	10.0-153			12.6	34
1,3-Dichlorobenzene	0.0314	U	0.727	0.808	92.6	103	25	10.0-150			10.6	35
1,4-Dichlorobenzene	0.0314	U	0.686	0.764	87.4	97.4	25	10.0-148			10.8	34
trans-1,4-Dichloro-2-butene	0.0314	U	0.708	0.820	90.2	105	25	10.0-160			14.7	40
Dichlorodifluoromethane	0.0314	U	0.577	0.654	73.5	83.4	25	10.0-160			12.5	30
1,1-Dichloroethane	0.0314	U	0.696	0.771	88.6	98.3	25	19.0-148			10.3	28
1,2-Dichloroethane	0.0314	U	0.707	0.814	90.1	104	25	17.0-147			14.1	27
1,1-Dichloroethene	0.0314	U	0.619	0.684	78.9	87.1	25	10.0-150			9.98	31
cis-1,2-Dichloroethene	0.0314	U	0.646	0.738	82.3	94.0	25	16.0-145			13.2	28
trans-1,2-Dichloroethene	0.0314	U	0.622	0.706	79.3	90.0	25	11.0-142			12.7	29
1,2-Dichloropropane	0.0314	0.0490	0.756	0.830	90.1	99.5	25	17.0-148			9.33	28
1,1-Dichloropropene	0.0314	U	0.631	0.704	80.4	89.8	25	10.0-150			11.0	30
1,3-Dichloropropane	0.0314	U	0.726	0.828	92.5	105	25	16.0-148			13.1	27
cis-1,3-Dichloropropene	0.0314	U	0.739	0.825	94.2	105	25	13.0-150			11.0	28
trans-1,3-Dichloropropene	0.0314	0.0195	0.753	0.871	93.4	108	25	10.0-152			14.5	29
2,2-Dichloropropane	0.0314	U	0.639	0.702	81.5	89.4	25	16.0-143			9.31	30

L988735-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988735-01 04/26/18 16:53 • (MS) R3305219-6 04/26/18 23:34 • (MSD) R3305219-7 04/26/18 23:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.0314	U	0.733	0.831	93.4	106	25	16.0-149			12.5	28
Ethylbenzene	0.0314	U	0.747	0.813	95.3	104	25	10.0-147			8.34	31
Hexachloro-1,3-butadiene	0.0314	U	0.959	1.04	122	132	25	10.0-154			7.60	40
2-Hexanone	0.157	U	3.78	4.51	96.3	115	25	12.0-158			17.7	30
n-Hexane	0.0314	0.0196	0.543	0.620	66.7	76.5	25	10.0-140			13.1	34
Iodomethane	0.157	U	3.29	3.68	83.8	93.7	25	10.0-157			11.1	34
Isopropylbenzene	0.0314	U	0.689	0.767	87.8	97.8	25	10.0-147			10.8	33
p-Isopropyltoluene	0.0314	U	0.747	0.838	95.2	107	25	10.0-156			11.5	37
2-Butanone (MEK)	0.157	U	3.57	4.41	91.1	113	25	10.0-160			21.1	33
Methylene Chloride	0.0314	0.0318	0.652	0.739	79.0	90.2	25	16.0-139			12.6	29
4-Methyl-2-pentanone (MIBK)	0.157	U	3.81	4.58	97.0	117	25	12.0-160			18.3	32
Methyl tert-butyl ether	0.0314	U	0.707	0.821	90.1	105	25	21.0-145			15.0	29
Naphthalene	0.0314	U	0.672	0.813	85.6	104	25	10.0-153			19.0	36
n-Propylbenzene	0.0314	U	0.677	0.754	86.3	96.1	25	10.0-151			10.7	34
Styrene	0.0314	U	0.681	0.757	86.7	96.5	25	10.0-155			10.6	34
1,1,1,2-Tetrachloroethane	0.0314	U	0.822	0.912	105	116	25	10.0-147			10.4	30
1,1,2,2-Tetrachloroethane	0.0314	U	0.626	0.742	79.7	94.6	25	10.0-155			17.1	31
Tetrachloroethene	0.0314	U	0.776	0.873	98.9	111	25	10.0-144			11.7	32
Toluene	0.0314	U	0.704	0.767	89.8	97.7	25	10.0-144			8.44	28
1,1,2-Trichlorotrifluoroethane	0.0314	U	0.670	0.752	85.4	95.8	25	10.0-153			11.6	33
1,2,3-Trichlorobenzene	0.0314	U	0.802	0.928	102	118	25	10.0-153			14.6	40
1,2,4-Trichlorobenzene	0.0314	U	0.764	0.852	97.4	109	25	10.0-156			10.8	40
1,1,1-Trichloroethane	0.0314	U	0.694	0.772	88.5	98.4	25	18.0-145			10.5	29
1,1,2-Trichloroethane	0.0314	U	0.720	0.823	91.8	105	25	12.0-151			13.3	28
Trichloroethene	0.0314	U	0.764	0.859	97.4	109	25	11.0-148			11.6	29
Trichlorofluoromethane	0.0314	U	0.263	0.262	33.5	33.4	25	10.0-157			0.221	34
1,2,3-Trichloropropane	0.0314	U	0.656	0.784	83.6	99.9	25	10.0-154			17.8	32
1,2,3-Trimethylbenzene	0.0314	U	0.715	0.795	91.2	101	25	10.0-150			10.6	33
1,2,4-Trimethylbenzene	0.0314	U	0.702	0.768	89.5	97.9	25	10.0-151			8.99	34
1,3,5-Trimethylbenzene	0.0314	U	0.711	0.783	90.6	99.8	25	10.0-150			9.68	33
Vinyl acetate	0.157	U	2.83	2.82	72.1	72.0	25	10.0-160			0.105	40
Vinyl chloride	0.0314	U	0.540	0.601	68.8	76.6	25	10.0-150			10.8	29
Xylenes, Total	0.0942	U	2.26	2.50	96.2	106	25	10.0-150			9.81	31
(S) Toluene-d8					*107*	*106*		*80.0-120*				
(S) Dibromofluoromethane					*86.2*	*87.8*		*74.0-131*				
(S) 4-Bromofluorobenzene					*87.7*	*87.5*		*64.0-132*				

Sample Narrative:

OS: Lowest possible dilution due to stir bars recieved prepped improperly.

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

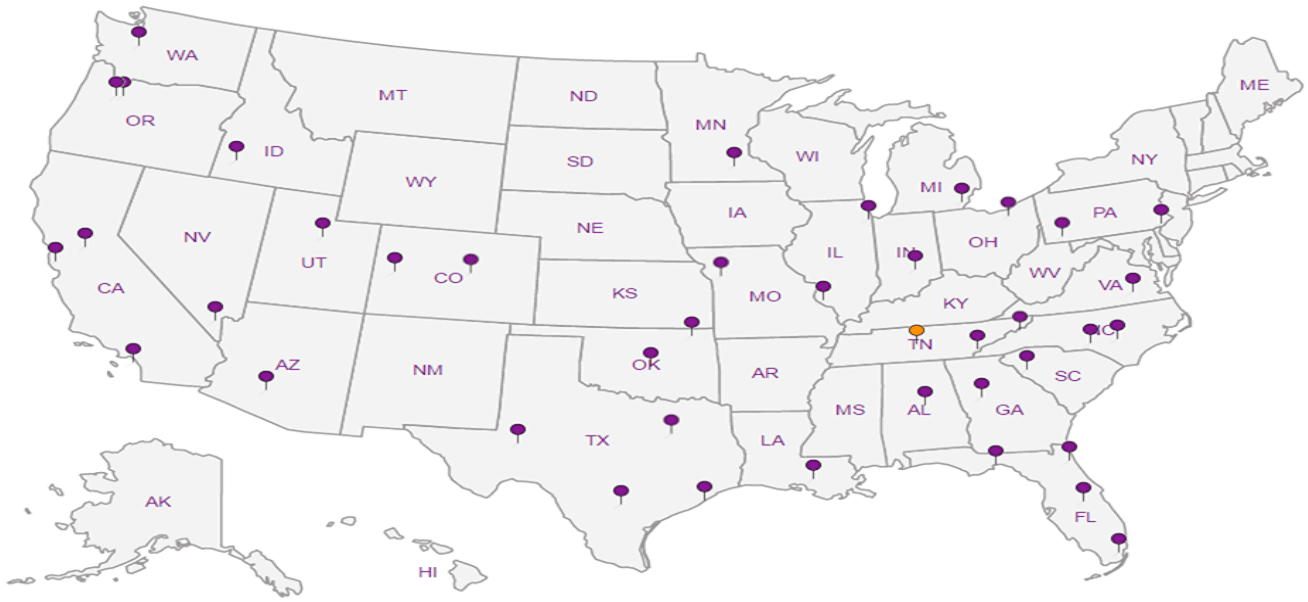
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R. T. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres								Remarks	Sample # (lab only)
B-247-5	Grab	SS	5'	4-20-18	0935	5	X	X									01
B-247-10		SS	10'		0945												-02
B-247-15		SS	15'		0955												-03
B-247-20		SS	20'		1005												-04
B-247-25		SS	25'		1015												-05
B-247-30		SS	30'		1025												-06
B-247-35		SS	35'		1030												-07
B-247-40		SS	40'		1035												-08
B-247-45		SS	45'		1100												-09
B-247-50	X	SS	50'		1110												-10

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

ESC LABORATORIES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 987923

Tab A177

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier __ _____

Tracking # 426992163140

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
R. T. McLaughlin	4/20/18	1640			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.2 °C Bottles Received: 85	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/21/18 Time: 0845	Hold: Condition: NCF / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: SEATTLE WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R. McLaughl

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

ESC LABORATORIES
a subsidiary of Pace Analytical

12065 Lebanon Rd
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Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 187923

Table #

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-247-55	Grab	SS	55	4/20/18	1120	5	X	—		-11
B-247-60		SS	60		1135					-12
B-247-65		SS	65		1145					-13
B-247-70		SS	70		1245					-14
B-247-75		SS	75		1305					-15
B-247-80		SS	80		1350					-16
B-909-20		SS	20	X	1610	X		X		-17
TRIP BLANK	X	SS	—	12-1-17	—	1	X			-18
		SS								
		SS								

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
R. McLaughl	4/20/18	1640			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.2 °C Bottles Received: 10	If preservation required by Login: Date/Time
				85	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/21/18 Time: 0845	Hold: Condition: NCF / OK

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0126	J	J J0	0.0114	0.0568	1	04/26/2018 09:05	WG1102608	
Acrylonitrile	U			0.00203	0.0114	1	04/26/2018 09:05	WG1102608	
Benzene	U			0.000306	0.00114	1	04/26/2018 09:05	WG1102608	
Bromobenzene	U			0.000322	0.00114	1	04/26/2018 09:05	WG1102608	
Bromodichloromethane	U			0.000288	0.00114	1	04/26/2018 09:05	WG1102608	
Bromochloromethane	U			0.000443	0.00568	1	04/26/2018 09:05	WG1102608	
Bromoform	U			0.000481	0.00114	1	04/26/2018 09:05	WG1102608	
Bromomethane	U	UJ	J0	0.00152	0.00568	1	04/26/2018 09:05	WG1102608	
n-Butylbenzene	U			0.000293	0.00114	1	04/26/2018 09:05	WG1102608	
sec-Butylbenzene	U			0.000228	0.00114	1	04/26/2018 09:05	WG1102608	
tert-Butylbenzene	U			0.000234	0.00114	1	04/26/2018 09:05	WG1102608	
Carbon disulfide	0.000866	J	J	0.000251	0.00114	1	04/26/2018 09:05	WG1102608	
Carbon tetrachloride	U			0.000372	0.00114	1	04/26/2018 09:05	WG1102608	
Chlorobenzene	U			0.000241	0.00114	1	04/26/2018 09:05	WG1102608	
Chlorodibromomethane	U			0.000423	0.00114	1	04/26/2018 09:05	WG1102608	
Chloroethane	U	UJ	J0	0.00107	0.00568	1	04/26/2018 09:05	WG1102608	
Chloroform	U			0.000260	0.00568	1	04/26/2018 09:05	WG1102608	
Chloromethane	U			0.000426	0.00284	1	04/26/2018 09:05	WG1102608	
2-Chlorotoluene	U			0.000342	0.00114	1	04/26/2018 09:05	WG1102608	
4-Chlorotoluene	U			0.000272	0.00114	1	04/26/2018 09:05	WG1102608	
1,2-Dibromo-3-Chloropropane	U			0.00119	0.00568	1	04/26/2018 09:05	WG1102608	
1,2-Dibromoethane	U			0.000389	0.00114	1	04/26/2018 09:05	WG1102608	
Dibromomethane	U			0.000434	0.00114	1	04/26/2018 09:05	WG1102608	
1,2-Dichlorobenzene	U			0.000346	0.00114	1	04/26/2018 09:05	WG1102608	
1,3-Dichlorobenzene	U			0.000271	0.00114	1	04/26/2018 09:05	WG1102608	
1,4-Dichlorobenzene	U			0.000257	0.00114	1	04/26/2018 09:05	WG1102608	
Dichlorodifluoromethane	U			0.000809	0.00568	1	04/26/2018 09:05	WG1102608	
1,1-Dichloroethane	U			0.000226	0.00114	1	04/26/2018 09:05	WG1102608	
1,2-Dichloroethane	U			0.000301	0.00114	1	04/26/2018 09:05	WG1102608	
1,1-Dichloroethene	U			0.000344	0.00114	1	04/26/2018 09:05	WG1102608	
cis-1,2-Dichloroethene	0.0478			0.000267	0.00114	1	04/26/2018 09:05	WG1102608	
trans-1,2-Dichloroethene	0.000491	J	J	0.000300	0.00114	1	04/26/2018 09:05	WG1102608	
1,2-Dichloropropane	U			0.000406	0.00114	1	04/26/2018 09:05	WG1102608	
1,1-Dichloropropene	U			0.000360	0.00114	1	04/26/2018 09:05	WG1102608	
1,3-Dichloropropane	U			0.000235	0.00114	1	04/26/2018 09:05	WG1102608	
cis-1,3-Dichloropropene	U			0.000297	0.00114	1	04/26/2018 09:05	WG1102608	
trans-1,3-Dichloropropene	U			0.000303	0.00114	1	04/26/2018 09:05	WG1102608	
trans-1,4-Dichloro-2-butene	U			0.000883	0.00284	1	04/26/2018 09:05	WG1102608	
2,2-Dichloropropane	U			0.000317	0.00114	1	04/26/2018 09:05	WG1102608	
Di-isopropyl ether	U			0.000282	0.00114	1	04/26/2018 09:05	WG1102608	
Ethylbenzene	U			0.000337	0.00114	1	04/26/2018 09:05	WG1102608	
Hexachloro-1,3-butadiene	U			0.000388	0.00114	1	04/26/2018 09:05	WG1102608	
2-Hexanone	U			0.00156	0.0114	1	04/26/2018 09:05	WG1102608	
n-Hexane	U			0.000329	0.0114	1	04/26/2018 09:05	WG1102608	
Iodomethane	U			0.00287	0.0114	1	04/26/2018 09:05	WG1102608	
Isopropylbenzene	U			0.000276	0.00114	1	04/26/2018 09:05	WG1102608	
p-Isopropyltoluene	U			0.000232	0.00114	1	04/26/2018 09:05	WG1102608	
2-Butanone (MEK)	U			0.00531	0.0114	1	04/26/2018 09:05	WG1102608	JC 5/13/18
Methylene Chloride	U			0.00114	0.00568	1	04/26/2018 09:05	WG1102608	
4-Methyl-2-pentanone (MIBK)	U			0.00213	0.0114	1	04/26/2018 09:05	WG1102608	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000241	0.00114	1	04/26/2018 09:05	WG1102608
Naphthalene	U		0.00114	0.00568	1	04/26/2018 09:05	WG1102608
n-Propylbenzene	U		0.000234	0.00114	1	04/26/2018 09:05	WG1102608
Styrene	U		0.000266	0.00114	1	04/26/2018 09:05	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	04/26/2018 09:05	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000414	0.00114	1	04/26/2018 09:05	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00114	1	04/26/2018 09:05	WG1102608
Tetrachloroethene	0.0594		0.000313	0.00114	1	04/26/2018 09:05	WG1102608
Toluene	U		0.000493	0.00568	1	04/26/2018 09:05	WG1102608
1,2,3-Trichlorobenzene	U		0.000347	0.00114	1	04/26/2018 09:05	WG1102608
1,2,4-Trichlorobenzene	U		0.000440	0.00114	1	04/26/2018 09:05	WG1102608
1,1,1-Trichloroethane	U		0.000325	0.00114	1	04/26/2018 09:05	WG1102608
1,1,2-Trichloroethane	U		0.000314	0.00114	1	04/26/2018 09:05	WG1102608
Trichloroethene	0.00692		0.000317	0.00114	1	04/26/2018 09:05	WG1102608
Trichlorofluoromethane	U		0.000434	0.00568	1	04/26/2018 09:05	WG1102608
1,2,3-Trichloropropane	U		0.000841	0.00284	1	04/26/2018 09:05	WG1102608
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	04/26/2018 09:05	WG1102608
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	04/26/2018 09:05	WG1102608
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	04/26/2018 09:05	WG1102608
Vinyl acetate	U		0.00271	0.0114	1	04/26/2018 09:05	WG1102608
Vinyl chloride	0.00114		0.000330	0.00114	1	04/26/2018 09:05	WG1102608
Xylenes, Total	U		0.000792	0.00341	1	04/26/2018 09:05	WG1102608
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 09:05*	WG1102608
(S) Dibromofluoromethane	*92.6*			*74.0-131*		*04/26/2018 09:05*	WG1102608
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*04/26/2018 09:05*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0115	0.0576	1	04/26/2018 09:26	WG1102608
Acrylonitrile	U		0.00206	0.0115	1	04/26/2018 09:26	WG1102608
Benzene	U		0.000311	0.00115	1	04/26/2018 09:26	WG1102608
Bromobenzene	U		0.000327	0.00115	1	04/26/2018 09:26	WG1102608
Bromodichloromethane	U		0.000292	0.00115	1	04/26/2018 09:26	WG1102608
Bromochloromethane	U		0.000449	0.00576	1	04/26/2018 09:26	WG1102608
Bromoform	U		0.000488	0.00115	1	04/26/2018 09:26	WG1102608
Bromomethane	U UJ	J0	0.00154	0.00576	1	04/26/2018 09:26	WG1102608
n-Butylbenzene	U		0.000297	0.00115	1	04/26/2018 09:26	WG1102608
sec-Butylbenzene	U		0.000231	0.00115	1	04/26/2018 09:26	WG1102608
tert-Butylbenzene	U		0.000237	0.00115	1	04/26/2018 09:26	WG1102608
Carbon disulfide	U		0.000254	0.00115	1	04/26/2018 09:26	WG1102608
Carbon tetrachloride	U		0.000378	0.00115	1	04/26/2018 09:26	WG1102608
Chlorobenzene	U		0.000244	0.00115	1	04/26/2018 09:26	WG1102608
Chlorodibromomethane	U		0.000429	0.00115	1	04/26/2018 09:26	WG1102608
Chloroethane	U UJ	J0	0.00109	0.00576	1	04/26/2018 09:26	WG1102608
Chloroform	U		0.000264	0.00576	1	04/26/2018 09:26	WG1102608
Chloromethane	U		0.000432	0.00288	1	04/26/2018 09:26	WG1102608
2-Chlorotoluene	U		0.000347	0.00115	1	04/26/2018 09:26	WG1102608
4-Chlorotoluene	U		0.000276	0.00115	1	04/26/2018 09:26	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	04/26/2018 09:26	WG1102608
1,2-Dibromoethane	U		0.000395	0.00115	1	04/26/2018 09:26	WG1102608
Dibromomethane	U		0.000440	0.00115	1	04/26/2018 09:26	WG1102608
1,2-Dichlorobenzene	U		0.000351	0.00115	1	04/26/2018 09:26	WG1102608
1,3-Dichlorobenzene	U		0.000275	0.00115	1	04/26/2018 09:26	WG1102608
1,4-Dichlorobenzene	U		0.000260	0.00115	1	04/26/2018 09:26	WG1102608
Dichlorodifluoromethane	U		0.000821	0.00576	1	04/26/2018 09:26	WG1102608
1,1-Dichloroethane	U		0.000229	0.00115	1	04/26/2018 09:26	WG1102608
1,2-Dichloroethane	U		0.000305	0.00115	1	04/26/2018 09:26	WG1102608
1,1-Dichloroethene	U		0.000349	0.00115	1	04/26/2018 09:26	WG1102608
cis-1,2-Dichloroethene	0.00459		0.000271	0.00115	1	04/26/2018 09:26	WG1102608
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	04/26/2018 09:26	WG1102608
1,2-Dichloropropane	U		0.000412	0.00115	1	04/26/2018 09:26	WG1102608
1,1-Dichloropropene	U		0.000365	0.00115	1	04/26/2018 09:26	WG1102608
1,3-Dichloropropane	U		0.000238	0.00115	1	04/26/2018 09:26	WG1102608
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	04/26/2018 09:26	WG1102608
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	04/26/2018 09:26	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000896	0.00288	1	04/26/2018 09:26	WG1102608
2,2-Dichloropropane	U		0.000321	0.00115	1	04/26/2018 09:26	WG1102608
Di-isopropyl ether	U		0.000286	0.00115	1	04/26/2018 09:26	WG1102608
Ethylbenzene	U		0.000342	0.00115	1	04/26/2018 09:26	WG1102608
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	04/26/2018 09:26	WG1102608
2-Hexanone	U		0.00158	0.0115	1	04/26/2018 09:26	WG1102608
n-Hexane	U		0.000334	0.0115	1	04/26/2018 09:26	WG1102608
Iodomethane	U		0.00291	0.0115	1	04/26/2018 09:26	WG1102608
Isopropylbenzene	U		0.000280	0.00115	1	04/26/2018 09:26	WG1102608
p-Isopropyltoluene	U		0.000235	0.00115	1	04/26/2018 09:26	WG1102608
2-Butanone (MEK)	U		0.00539	0.0115	1	04/26/2018 09:26	WG1102608
Methylene Chloride	U		0.00115	0.00576	1	04/26/2018 09:26	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	04/26/2018 09:26	WG1102608

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000244	0.00115	1	04/26/2018 09:26	WG1102608
Naphthalene	U		0.00115	0.00576	1	04/26/2018 09:26	WG1102608
n-Propylbenzene	U		0.000237	0.00115	1	04/26/2018 09:26	WG1102608
Styrene	U		0.000269	0.00115	1	04/26/2018 09:26	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	04/26/2018 09:26	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	04/26/2018 09:26	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	04/26/2018 09:26	WG1102608
Tetrachloroethene	0.00586		0.000318	0.00115	1	04/26/2018 09:26	WG1102608
Toluene	U		0.000500	0.00576	1	04/26/2018 09:26	WG1102608
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	04/26/2018 09:26	WG1102608
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	04/26/2018 09:26	WG1102608
1,1,1-Trichloroethane	U		0.000329	0.00115	1	04/26/2018 09:26	WG1102608
1,1,2-Trichloroethane	U		0.000319	0.00115	1	04/26/2018 09:26	WG1102608
Trichloroethene	0.00175		0.000321	0.00115	1	04/26/2018 09:26	WG1102608
Trichlorofluoromethane	U		0.000440	0.00576	1	04/26/2018 09:26	WG1102608
1,2,3-Trichloropropane	U		0.000853	0.00288	1	04/26/2018 09:26	WG1102608
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	04/26/2018 09:26	WG1102608
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	04/26/2018 09:26	WG1102608
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	04/26/2018 09:26	WG1102608
Vinyl acetate	U		0.00275	0.0115	1	04/26/2018 09:26	WG1102608
Vinyl chloride	0.00173		0.000335	0.00115	1	04/26/2018 09:26	WG1102608
Xylenes, Total	U		0.000804	0.00345	1	04/26/2018 09:26	WG1102608
(S) Toluene-d8	*105*			*80.0-120*		*04/26/2018 09:26*	WG1102608
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*04/26/2018 09:26*	WG1102608
(S) 4-Bromofluorobenzene	*91.6*			*64.0-132*		*04/26/2018 09:26*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0111	0.0555	1	04/26/2018 09:47	WG1102608
Acrylonitrile	U			0.00199	0.0111	1	04/26/2018 09:47	WG1102608
Benzene	U			0.000299	0.00111	1	04/26/2018 09:47	WG1102608
Bromobenzene	U			0.000315	0.00111	1	04/26/2018 09:47	WG1102608
Bromodichloromethane	U			0.000282	0.00111	1	04/26/2018 09:47	WG1102608
Bromochloromethane	U			0.000433	0.00555	1	04/26/2018 09:47	WG1102608
Bromoform	U			0.000470	0.00111	1	04/26/2018 09:47	WG1102608
Bromomethane	U	UJ	J0	0.00149	0.00555	1	04/26/2018 09:47	WG1102608
n-Butylbenzene	U			0.000286	0.00111	1	04/26/2018 09:47	WG1102608
sec-Butylbenzene	U			0.000223	0.00111	1	04/26/2018 09:47	WG1102608
tert-Butylbenzene	U			0.000228	0.00111	1	04/26/2018 09:47	WG1102608
Carbon disulfide	U			0.000245	0.00111	1	04/26/2018 09:47	WG1102608
Carbon tetrachloride	U			0.000364	0.00111	1	04/26/2018 09:47	WG1102608
Chlorobenzene	U			0.000235	0.00111	1	04/26/2018 09:47	WG1102608
Chlorodibromomethane	U			0.000414	0.00111	1	04/26/2018 09:47	WG1102608
Chloroethane	U	UJ	J0	0.00105	0.00555	1	04/26/2018 09:47	WG1102608
Chloroform	U			0.000254	0.00555	1	04/26/2018 09:47	WG1102608
Chloromethane	U			0.000416	0.00277	1	04/26/2018 09:47	WG1102608
2-Chlorotoluene	U			0.000334	0.00111	1	04/26/2018 09:47	WG1102608
4-Chlorotoluene	U			0.000266	0.00111	1	04/26/2018 09:47	WG1102608
1,2-Dibromo-3-Chloropropane	U			0.00116	0.00555	1	04/26/2018 09:47	WG1102608
1,2-Dibromoethane	U			0.000380	0.00111	1	04/26/2018 09:47	WG1102608
Dibromomethane	U			0.000424	0.00111	1	04/26/2018 09:47	WG1102608
1,2-Dichlorobenzene	U			0.000338	0.00111	1	04/26/2018 09:47	WG1102608
1,3-Dichlorobenzene	U			0.000265	0.00111	1	04/26/2018 09:47	WG1102608
1,4-Dichlorobenzene	U			0.000251	0.00111	1	04/26/2018 09:47	WG1102608
Dichlorodifluoromethane	U			0.000791	0.00555	1	04/26/2018 09:47	WG1102608
1,1-Dichloroethane	U			0.000221	0.00111	1	04/26/2018 09:47	WG1102608
1,2-Dichloroethane	U			0.000294	0.00111	1	04/26/2018 09:47	WG1102608
1,1-Dichloroethene	U			0.000336	0.00111	1	04/26/2018 09:47	WG1102608
cis-1,2-Dichloroethene	0.00577			0.000261	0.00111	1	04/26/2018 09:47	WG1102608
trans-1,2-Dichloroethene	U			0.000293	0.00111	1	04/26/2018 09:47	WG1102608
1,2-Dichloropropane	U			0.000397	0.00111	1	04/26/2018 09:47	WG1102608
1,1-Dichloropropene	U			0.000352	0.00111	1	04/26/2018 09:47	WG1102608
1,3-Dichloropropane	U			0.000230	0.00111	1	04/26/2018 09:47	WG1102608
cis-1,3-Dichloropropene	U			0.000291	0.00111	1	04/26/2018 09:47	WG1102608
trans-1,3-Dichloropropene	U			0.000296	0.00111	1	04/26/2018 09:47	WG1102608
trans-1,4-Dichloro-2-butene	U			0.000863	0.00277	1	04/26/2018 09:47	WG1102608
2,2-Dichloropropane	U			0.000309	0.00111	1	04/26/2018 09:47	WG1102608
Di-isopropyl ether	U			0.000275	0.00111	1	04/26/2018 09:47	WG1102608
Ethylbenzene	U			0.000329	0.00111	1	04/26/2018 09:47	WG1102608
Hexachloro-1,3-butadiene	U			0.000379	0.00111	1	04/26/2018 09:47	WG1102608
2-Hexanone	U			0.00152	0.0111	1	04/26/2018 09:47	WG1102608
n-Hexane	0.00147	J	J	0.000322	0.0111	1	04/26/2018 09:47	WG1102608
Iodomethane	U			0.00281	0.0111	1	04/26/2018 09:47	WG1102608
Isopropylbenzene	U			0.000270	0.00111	1	04/26/2018 09:47	WG1102608
p-Isopropyltoluene	U			0.000226	0.00111	1	04/26/2018 09:47	WG1102608
2-Butanone (MEK)	U			0.00519	0.0111	1	04/26/2018 09:47	WG1102608
Methylene Chloride	U			0.00111	0.00555	1	04/26/2018 09:47	WG1102608
4-Methyl-2-pentanone (MIBK)	U			0.00209	0.0111	1	04/26/2018 09:47	WG1102608

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000235	0.00111	1	04/26/2018 09:47	WG1102608
Naphthalene	U		0.00111	0.00555	1	04/26/2018 09:47	WG1102608
n-Propylbenzene	U		0.000228	0.00111	1	04/26/2018 09:47	WG1102608
Styrene	U		0.000260	0.00111	1	04/26/2018 09:47	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	04/26/2018 09:47	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	04/26/2018 09:47	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	04/26/2018 09:47	WG1102608
Tetrachloroethene	0.00415		0.000306	0.00111	1	04/26/2018 09:47	WG1102608
Toluene	U		0.000481	0.00555	1	04/26/2018 09:47	WG1102608
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	04/26/2018 09:47	WG1102608
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	04/26/2018 09:47	WG1102608
1,1,1-Trichloroethane	U		0.000317	0.00111	1	04/26/2018 09:47	WG1102608
1,1,2-Trichloroethane	U		0.000307	0.00111	1	04/26/2018 09:47	WG1102608
Trichloroethene	0.00482		0.000309	0.00111	1	04/26/2018 09:47	WG1102608
Trichlorofluoromethane	U		0.000424	0.00555	1	04/26/2018 09:47	WG1102608
1,2,3-Trichloropropane	U		0.000822	0.00277	1	04/26/2018 09:47	WG1102608
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	04/26/2018 09:47	WG1102608
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	04/26/2018 09:47	WG1102608
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	04/26/2018 09:47	WG1102608
Vinyl acetate	U		0.00265	0.0111	1	04/26/2018 09:47	WG1102608
Vinyl chloride	0.00221		0.000323	0.00111	1	04/26/2018 09:47	WG1102608
Xylenes, Total	U		0.000774	0.00333	1	04/26/2018 09:47	WG1102608
(S) Toluene-d8	*106*			*80.0-120*		*04/26/2018 09:47*	WG1102608
(S) Dibromofluoromethane	*93.1*			*74.0-131*		*04/26/2018 09:47*	WG1102608
(S) 4-Bromofluorobenzene	*91.9*			*64.0-132*		*04/26/2018 09:47*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0471 J	J J0	0.0112	0.0558	1	04/26/2018 10:09	WG1102608
Acrylonitrile	U		0.00200	0.0112	1	04/26/2018 10:09	WG1102608
Benzene	U		0.000301	0.00112	1	04/26/2018 10:09	WG1102608
Bromobenzene	U		0.000317	0.00112	1	04/26/2018 10:09	WG1102608
Bromodichloromethane	U		0.000284	0.00112	1	04/26/2018 10:09	WG1102608
Bromochloromethane	U		0.000435	0.00558	1	04/26/2018 10:09	WG1102608
Bromoform	U		0.000473	0.00112	1	04/26/2018 10:09	WG1102608
Bromomethane	U UJ	J0	0.00150	0.00558	1	04/26/2018 10:09	WG1102608
n-Butylbenzene	U		0.000288	0.00112	1	04/26/2018 10:09	WG1102608
sec-Butylbenzene	U		0.000224	0.00112	1	04/26/2018 10:09	WG1102608
tert-Butylbenzene	U		0.000230	0.00112	1	04/26/2018 10:09	WG1102608
Carbon disulfide	0.00126		0.000247	0.00112	1	04/26/2018 10:09	WG1102608
Carbon tetrachloride	U		0.000366	0.00112	1	04/26/2018 10:09	WG1102608
Chlorobenzene	U		0.000237	0.00112	1	04/26/2018 10:09	WG1102608
Chlorodibromomethane	U		0.000417	0.00112	1	04/26/2018 10:09	WG1102608
Chloroethane	U UJ	J0	0.00106	0.00558	1	04/26/2018 10:09	WG1102608
Chloroform	U		0.000256	0.00558	1	04/26/2018 10:09	WG1102608
Chloromethane	U		0.000419	0.00279	1	04/26/2018 10:09	WG1102608
2-Chlorotoluene	U		0.000336	0.00112	1	04/26/2018 10:09	WG1102608
4-Chlorotoluene	U		0.000268	0.00112	1	04/26/2018 10:09	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/26/2018 10:09	WG1102608
1,2-Dibromoethane	U		0.000383	0.00112	1	04/26/2018 10:09	WG1102608
Dibromomethane	U		0.000427	0.00112	1	04/26/2018 10:09	WG1102608
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/26/2018 10:09	WG1102608
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/26/2018 10:09	WG1102608
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/26/2018 10:09	WG1102608
Dichlorodifluoromethane	U		0.000796	0.00558	1	04/26/2018 10:09	WG1102608
1,1-Dichloroethane	U		0.000222	0.00112	1	04/26/2018 10:09	WG1102608
1,2-Dichloroethane	U		0.000296	0.00112	1	04/26/2018 10:09	WG1102608
1,1-Dichloroethene	U		0.000338	0.00112	1	04/26/2018 10:09	WG1102608
cis-1,2-Dichloroethene	0.00682		0.000262	0.00112	1	04/26/2018 10:09	WG1102608
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/26/2018 10:09	WG1102608
1,2-Dichloropropane	U		0.000400	0.00112	1	04/26/2018 10:09	WG1102608
1,1-Dichloropropene	U		0.000354	0.00112	1	04/26/2018 10:09	WG1102608
1,3-Dichloropropane	U		0.000231	0.00112	1	04/26/2018 10:09	WG1102608
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/26/2018 10:09	WG1102608
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/26/2018 10:09	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	04/26/2018 10:09	WG1102608
2,2-Dichloropropane	U		0.000312	0.00112	1	04/26/2018 10:09	WG1102608
Di-isopropyl ether	U		0.000277	0.00112	1	04/26/2018 10:09	WG1102608
Ethylbenzene	U		0.000332	0.00112	1	04/26/2018 10:09	WG1102608
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/26/2018 10:09	WG1102608
2-Hexanone	U		0.00153	0.0112	1	04/26/2018 10:09	WG1102608
n-Hexane	U		0.000324	0.0112	1	04/26/2018 10:09	WG1102608
Iodomethane	U		0.00283	0.0112	1	04/26/2018 10:09	WG1102608
Isopropylbenzene	U		0.000271	0.00112	1	04/26/2018 10:09	WG1102608
p-Isopropyltoluene	U		0.000228	0.00112	1	04/26/2018 10:09	WG1102608
2-Butanone (MEK)	0.0115		0.00523	0.0112	1	04/26/2018 10:09	WG1102608
Methylene Chloride	U		0.00112	0.00558	1	04/26/2018 10:09	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/26/2018 10:09	WG1102608

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/26/2018 10:09	WG1102608
Naphthalene	U		0.00112	0.00558	1	04/26/2018 10:09	WG1102608
n-Propylbenzene	U		0.000230	0.00112	1	04/26/2018 10:09	WG1102608
Styrene	U		0.000261	0.00112	1	04/26/2018 10:09	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/26/2018 10:09	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/26/2018 10:09	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/26/2018 10:09	WG1102608
Tetrachloroethene	0.00432		0.000308	0.00112	1	04/26/2018 10:09	WG1102608
Toluene	U		0.000485	0.00558	1	04/26/2018 10:09	WG1102608
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/26/2018 10:09	WG1102608
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/26/2018 10:09	WG1102608
1,1,1-Trichloroethane	U		0.000319	0.00112	1	04/26/2018 10:09	WG1102608
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/26/2018 10:09	WG1102608
Trichloroethene	0.000887	J J	0.000312	0.00112	1	04/26/2018 10:09	WG1102608
Trichlorofluoromethane	U		0.000427	0.00558	1	04/26/2018 10:09	WG1102608
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/26/2018 10:09	WG1102608
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/26/2018 10:09	WG1102608
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/26/2018 10:09	WG1102608
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/26/2018 10:09	WG1102608
Vinyl acetate	U		0.00267	0.0112	1	04/26/2018 10:09	WG1102608
Vinyl chloride	0.00718		0.000325	0.00112	1	04/26/2018 10:09	WG1102608
Xylenes, Total	U		0.000779	0.00335	1	04/26/2018 10:09	WG1102608
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 10:09*	WG1102608
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*04/26/2018 10:09*	WG1102608
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*04/26/2018 10:09*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	04/26/2018 11:29	WG1103332

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0109	0.0544	1	04/26/2018 10:30	WG1102608	
Acrylonitrile	U		0.00195	0.0109	1	04/26/2018 10:30	WG1102608	
Benzene	U		0.000294	0.00109	1	04/26/2018 10:30	WG1102608	
Bromobenzene	U		0.000309	0.00109	1	04/26/2018 10:30	WG1102608	
Bromodichloromethane	U		0.000276	0.00109	1	04/26/2018 10:30	WG1102608	
Bromochloromethane	U		0.000424	0.00544	1	04/26/2018 10:30	WG1102608	
Bromoform	U		0.000461	0.00109	1	04/26/2018 10:30	WG1102608	
Bromomethane	U UJ	J0	0.00146	0.00544	1	04/26/2018 10:30	WG1102608	
n-Butylbenzene	U		0.000281	0.00109	1	04/26/2018 10:30	WG1102608	
sec-Butylbenzene	U		0.000219	0.00109	1	04/26/2018 10:30	WG1102608	
tert-Butylbenzene	U		0.000224	0.00109	1	04/26/2018 10:30	WG1102608	
Carbon disulfide	0.000530 J	J	0.000240	0.00109	1	04/26/2018 10:30	WG1102608	
Carbon tetrachloride	U		0.000357	0.00109	1	04/26/2018 10:30	WG1102608	
Chlorobenzene	U		0.000231	0.00109	1	04/26/2018 10:30	WG1102608	
Chlorodibromomethane	U		0.000406	0.00109	1	04/26/2018 10:30	WG1102608	
Chloroethane	U UJ	J0	0.00103	0.00544	1	04/26/2018 10:30	WG1102608	
Chloroform	U		0.000249	0.00544	1	04/26/2018 10:30	WG1102608	
Chloromethane	U		0.000408	0.00272	1	04/26/2018 10:30	WG1102608	
2-Chlorotoluene	U		0.000328	0.00109	1	04/26/2018 10:30	WG1102608	
4-Chlorotoluene	U		0.000261	0.00109	1	04/26/2018 10:30	WG1102608	
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	04/26/2018 10:30	WG1102608	
1,2-Dibromoethane	U		0.000373	0.00109	1	04/26/2018 10:30	WG1102608	
Dibromomethane	U		0.000416	0.00109	1	04/26/2018 10:30	WG1102608	
1,2-Dichlorobenzene	U		0.000332	0.00109	1	04/26/2018 10:30	WG1102608	
1,3-Dichlorobenzene	U		0.000260	0.00109	1	04/26/2018 10:30	WG1102608	
1,4-Dichlorobenzene	U		0.000246	0.00109	1	04/26/2018 10:30	WG1102608	
Dichlorodifluoromethane	U		0.000776	0.00544	1	04/26/2018 10:30	WG1102608	
1,1-Dichloroethane	U		0.000217	0.00109	1	04/26/2018 10:30	WG1102608	
1,2-Dichloroethane	U		0.000288	0.00109	1	04/26/2018 10:30	WG1102608	
1,1-Dichloroethene	U		0.000330	0.00109	1	04/26/2018 10:30	WG1102608	
cis-1,2-Dichloroethene	0.000271 J	J	0.000256	0.00109	1	04/26/2018 10:30	WG1102608	
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	04/26/2018 10:30	WG1102608	
1,2-Dichloropropane	U		0.000390	0.00109	1	04/26/2018 10:30	WG1102608	
1,1-Dichloropropene	U		0.000345	0.00109	1	04/26/2018 10:30	WG1102608	
1,3-Dichloropropane	U		0.000225	0.00109	1	04/26/2018 10:30	WG1102608	
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	04/26/2018 10:30	WG1102608	
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	04/26/2018 10:30	WG1102608	
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	04/26/2018 10:30	WG1102608	
2,2-Dichloropropane	U		0.000304	0.00109	1	04/26/2018 10:30	WG1102608	JC 5/13/18
Di-isopropyl ether	U		0.000270	0.00109	1	04/26/2018 10:30	WG1102608	
Ethylbenzene	U		0.000323	0.00109	1	04/26/2018 10:30	WG1102608	
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	04/26/2018 10:30	WG1102608	
2-Hexanone	U		0.00149	0.0109	1	04/26/2018 10:30	WG1102608	
n-Hexane	0.000377 J	J	0.000316	0.0109	1	04/26/2018 10:30	WG1102608	
Iodomethane	U		0.00275	0.0109	1	04/26/2018 10:30	WG1102608	
Isopropylbenzene	U		0.000264	0.00109	1	04/26/2018 10:30	WG1102608	
p-Isopropyltoluene	U		0.000222	0.00109	1	04/26/2018 10:30	WG1102608	
2-Butanone (MEK)	U		0.00509	0.0109	1	04/26/2018 10:30	WG1102608	
Methylene Chloride	U		0.00109	0.00544	1	04/26/2018 10:30	WG1102608	
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	04/26/2018 10:30	WG1102608	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000231	0.00109	1	04/26/2018 10:30	WG1102608
Naphthalene	U		0.00109	0.00544	1	04/26/2018 10:30	WG1102608
n-Propylbenzene	U		0.000224	0.00109	1	04/26/2018 10:30	WG1102608
Styrene	U		0.000255	0.00109	1	04/26/2018 10:30	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	04/26/2018 10:30	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	04/26/2018 10:30	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	04/26/2018 10:30	WG1102608
Tetrachloroethene	0.00244		0.000300	0.00109	1	04/26/2018 10:30	WG1102608
Toluene	U		0.000472	0.00544	1	04/26/2018 10:30	WG1102608
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	04/26/2018 10:30	WG1102608
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	04/26/2018 10:30	WG1102608
1,1,1-Trichloroethane	U		0.000311	0.00109	1	04/26/2018 10:30	WG1102608
1,1,2-Trichloroethane	U		0.000301	0.00109	1	04/26/2018 10:30	WG1102608
Trichloroethene	0.000327	J J	0.000304	0.00109	1	04/26/2018 10:30	WG1102608
Trichlorofluoromethane	U		0.000416	0.00544	1	04/26/2018 10:30	WG1102608
1,2,3-Trichloropropane	U		0.000806	0.00272	1	04/26/2018 10:30	WG1102608
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	04/26/2018 10:30	WG1102608
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	04/26/2018 10:30	WG1102608
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	04/26/2018 10:30	WG1102608
Vinyl acetate	U		0.00260	0.0109	1	04/26/2018 10:30	WG1102608
Vinyl chloride	0.000411	J J	0.000317	0.00109	1	04/26/2018 10:30	WG1102608
Xylenes, Total	U		0.000759	0.00326	1	04/26/2018 10:30	WG1102608
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 10:30*	WG1102608
(S) Dibromofluoromethane	*92.6*			*74.0-131*		*04/26/2018 10:30*	WG1102608
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*04/26/2018 10:30*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	U	UJ	J0	0.0110	0.0551	1	04/26/2018 10:51	WG1102608	
Acrylonitrile	U			0.00197	0.0110	1	04/26/2018 10:51	WG1102608	
Benzene	U			0.000297	0.00110	1	04/26/2018 10:51	WG1102608	
Bromobenzene	U			0.000313	0.00110	1	04/26/2018 10:51	WG1102608	
Bromodichloromethane	U			0.000280	0.00110	1	04/26/2018 10:51	WG1102608	
Bromochloromethane	U			0.000430	0.00551	1	04/26/2018 10:51	WG1102608	
Bromoform	U			0.000467	0.00110	1	04/26/2018 10:51	WG1102608	
Bromomethane	U	UJ	J0	0.00148	0.00551	1	04/26/2018 10:51	WG1102608	
n-Butylbenzene	U			0.000284	0.00110	1	04/26/2018 10:51	WG1102608	
sec-Butylbenzene	U			0.000221	0.00110	1	04/26/2018 10:51	WG1102608	
tert-Butylbenzene	U			0.000227	0.00110	1	04/26/2018 10:51	WG1102608	
Carbon disulfide	0.000405	J	J	0.000243	0.00110	1	04/26/2018 10:51	WG1102608	
Carbon tetrachloride	U			0.000361	0.00110	1	04/26/2018 10:51	WG1102608	
Chlorobenzene	U			0.000234	0.00110	1	04/26/2018 10:51	WG1102608	
Chlorodibromomethane	U			0.000411	0.00110	1	04/26/2018 10:51	WG1102608	
Chloroethane	U	UJ	J0	0.00104	0.00551	1	04/26/2018 10:51	WG1102608	
Chloroform	U			0.000252	0.00551	1	04/26/2018 10:51	WG1102608	
Chloromethane	U			0.000413	0.00275	1	04/26/2018 10:51	WG1102608	
2-Chlorotoluene	U			0.000332	0.00110	1	04/26/2018 10:51	WG1102608	
4-Chlorotoluene	U			0.000264	0.00110	1	04/26/2018 10:51	WG1102608	
1,2-Dibromo-3-Chloropropane	U			0.00116	0.00551	1	04/26/2018 10:51	WG1102608	
1,2-Dibromoethane	U			0.000378	0.00110	1	04/26/2018 10:51	WG1102608	
Dibromomethane	U			0.000421	0.00110	1	04/26/2018 10:51	WG1102608	
1,2-Dichlorobenzene	U			0.000336	0.00110	1	04/26/2018 10:51	WG1102608	
1,3-Dichlorobenzene	U			0.000263	0.00110	1	04/26/2018 10:51	WG1102608	
1,4-Dichlorobenzene	U			0.000249	0.00110	1	04/26/2018 10:51	WG1102608	
Dichlorodifluoromethane	U			0.000785	0.00551	1	04/26/2018 10:51	WG1102608	
1,1-Dichloroethane	U			0.000219	0.00110	1	04/26/2018 10:51	WG1102608	
1,2-Dichloroethane	U			0.000292	0.00110	1	04/26/2018 10:51	WG1102608	
1,1-Dichloroethene	U			0.000334	0.00110	1	04/26/2018 10:51	WG1102608	
cis-1,2-Dichloroethene	0.000409	J	J	0.000259	0.00110	1	04/26/2018 10:51	WG1102608	
trans-1,2-Dichloroethene	U			0.000291	0.00110	1	04/26/2018 10:51	WG1102608	
1,2-Dichloropropane	U			0.000394	0.00110	1	04/26/2018 10:51	WG1102608	
1,1-Dichloropropene	U			0.000349	0.00110	1	04/26/2018 10:51	WG1102608	
1,3-Dichloropropane	U			0.000228	0.00110	1	04/26/2018 10:51	WG1102608	JC 5/13/18
cis-1,3-Dichloropropene	U			0.000289	0.00110	1	04/26/2018 10:51	WG1102608	
trans-1,3-Dichloropropene	U			0.000294	0.00110	1	04/26/2018 10:51	WG1102608	
trans-1,4-Dichloro-2-butene	U			0.000857	0.00275	1	04/26/2018 10:51	WG1102608	
2,2-Dichloropropane	U			0.000307	0.00110	1	04/26/2018 10:51	WG1102608	
Di-isopropyl ether	U			0.000273	0.00110	1	04/26/2018 10:51	WG1102608	
Ethylbenzene	U			0.000327	0.00110	1	04/26/2018 10:51	WG1102608	
Hexachloro-1,3-butadiene	U			0.000377	0.00110	1	04/26/2018 10:51	WG1102608	
2-Hexanone	U			0.00151	0.0110	1	04/26/2018 10:51	WG1102608	
n-Hexane	U			0.000319	0.0110	1	04/26/2018 10:51	WG1102608	
Iodomethane	U			0.00279	0.0110	1	04/26/2018 10:51	WG1102608	
Isopropylbenzene	U			0.000268	0.00110	1	04/26/2018 10:51	WG1102608	
p-Isopropyltoluene	U			0.000225	0.00110	1	04/26/2018 10:51	WG1102608	
2-Butanone (MEK)	U			0.00516	0.0110	1	04/26/2018 10:51	WG1102608	
Methylene Chloride	U			0.00110	0.00551	1	04/26/2018 10:51	WG1102608	
4-Methyl-2-pentanone (MIBK)	U			0.00207	0.0110	1	04/26/2018 10:51	WG1102608	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/26/2018 10:51	WG1102608
Naphthalene	U		0.00110	0.00551	1	04/26/2018 10:51	WG1102608
n-Propylbenzene	U		0.000227	0.00110	1	04/26/2018 10:51	WG1102608
Styrene	U		0.000258	0.00110	1	04/26/2018 10:51	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/26/2018 10:51	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/26/2018 10:51	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/26/2018 10:51	WG1102608
Tetrachloroethene	0.000984 J	J	0.000304	0.00110	1	04/26/2018 10:51	WG1102608
Toluene	U		0.000478	0.00551	1	04/26/2018 10:51	WG1102608
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/26/2018 10:51	WG1102608
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/26/2018 10:51	WG1102608
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/26/2018 10:51	WG1102608
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/26/2018 10:51	WG1102608
Trichloroethene	U		0.000307	0.00110	1	04/26/2018 10:51	WG1102608
Trichlorofluoromethane	U		0.000421	0.00551	1	04/26/2018 10:51	WG1102608
1,2,3-Trichloropropane	U		0.000816	0.00275	1	04/26/2018 10:51	WG1102608
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/26/2018 10:51	WG1102608
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/26/2018 10:51	WG1102608
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/26/2018 10:51	WG1102608
Vinyl acetate	U		0.00263	0.0110	1	04/26/2018 10:51	WG1102608
Vinyl chloride	0.000651 J	J	0.000321	0.00110	1	04/26/2018 10:51	WG1102608
Xylenes, Total	U		0.000769	0.00330	1	04/26/2018 10:51	WG1102608
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 10:51*	WG1102608
(S) Dibromofluoromethane	*92.0*			*74.0-131*		*04/26/2018 10:51*	WG1102608
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*04/26/2018 10:51*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0110	0.0551	1	04/26/2018 11:12	WG1102608
Acrylonitrile	U		0.00197	0.0110	1	04/26/2018 11:12	WG1102608
Benzene	U		0.000298	0.00110	1	04/26/2018 11:12	WG1102608
Bromobenzene	U		0.000313	0.00110	1	04/26/2018 11:12	WG1102608
Bromodichloromethane	U		0.000280	0.00110	1	04/26/2018 11:12	WG1102608
Bromochloromethane	U		0.000430	0.00551	1	04/26/2018 11:12	WG1102608
Bromoform	U		0.000467	0.00110	1	04/26/2018 11:12	WG1102608
Bromomethane	U UJ	J0	0.00148	0.00551	1	04/26/2018 11:12	WG1102608
n-Butylbenzene	U		0.000284	0.00110	1	04/26/2018 11:12	WG1102608
sec-Butylbenzene	U		0.000222	0.00110	1	04/26/2018 11:12	WG1102608
tert-Butylbenzene	U		0.000227	0.00110	1	04/26/2018 11:12	WG1102608
Carbon disulfide	0.000526 J	J	0.000244	0.00110	1	04/26/2018 11:12	WG1102608
Carbon tetrachloride	U		0.000361	0.00110	1	04/26/2018 11:12	WG1102608
Chlorobenzene	U		0.000234	0.00110	1	04/26/2018 11:12	WG1102608
Chlorodibromomethane	U		0.000411	0.00110	1	04/26/2018 11:12	WG1102608
Chloroethane	U UJ	J0	0.00104	0.00551	1	04/26/2018 11:12	WG1102608
Chloroform	U		0.000252	0.00551	1	04/26/2018 11:12	WG1102608
Chloromethane	U		0.000413	0.00276	1	04/26/2018 11:12	WG1102608
2-Chlorotoluene	U		0.000332	0.00110	1	04/26/2018 11:12	WG1102608
4-Chlorotoluene	U		0.000265	0.00110	1	04/26/2018 11:12	WG1102608
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	04/26/2018 11:12	WG1102608
1,2-Dibromoethane	U		0.000378	0.00110	1	04/26/2018 11:12	WG1102608
Dibromomethane	U		0.000421	0.00110	1	04/26/2018 11:12	WG1102608
1,2-Dichlorobenzene	U		0.000336	0.00110	1	04/26/2018 11:12	WG1102608
1,3-Dichlorobenzene	U		0.000263	0.00110	1	04/26/2018 11:12	WG1102608
1,4-Dichlorobenzene	U		0.000249	0.00110	1	04/26/2018 11:12	WG1102608
Dichlorodifluoromethane	U		0.000786	0.00551	1	04/26/2018 11:12	WG1102608
1,1-Dichloroethane	U		0.000219	0.00110	1	04/26/2018 11:12	WG1102608
1,2-Dichloroethane	U		0.000292	0.00110	1	04/26/2018 11:12	WG1102608
1,1-Dichloroethene	U		0.000334	0.00110	1	04/26/2018 11:12	WG1102608
cis-1,2-Dichloroethene	0.000430 J	J	0.000259	0.00110	1	04/26/2018 11:12	WG1102608
trans-1,2-Dichloroethene	0.000452 J	J	0.000291	0.00110	1	04/26/2018 11:12	WG1102608
1,2-Dichloropropane	U		0.000395	0.00110	1	04/26/2018 11:12	WG1102608
1,1-Dichloropropene	U		0.000349	0.00110	1	04/26/2018 11:12	WG1102608
1,3-Dichloropropane	U		0.000228	0.00110	1	04/26/2018 11:12	WG1102608
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	04/26/2018 11:12	WG1102608
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	04/26/2018 11:12	WG1102608
trans-1,4-Dichloro-2-butene	U		0.000857	0.00276	1	04/26/2018 11:12	WG1102608
2,2-Dichloropropane	U		0.000307	0.00110	1	04/26/2018 11:12	WG1102608
Di-isopropyl ether	U		0.000273	0.00110	1	04/26/2018 11:12	WG1102608
Ethylbenzene	U		0.000327	0.00110	1	04/26/2018 11:12	WG1102608
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	04/26/2018 11:12	WG1102608
2-Hexanone	U		0.00151	0.0110	1	04/26/2018 11:12	WG1102608
n-Hexane	U		0.000320	0.0110	1	04/26/2018 11:12	WG1102608
Iodomethane	U		0.00279	0.0110	1	04/26/2018 11:12	WG1102608
Isopropylbenzene	U		0.000268	0.00110	1	04/26/2018 11:12	WG1102608
p-Isopropyltoluene	U		0.000225	0.00110	1	04/26/2018 11:12	WG1102608
2-Butanone (MEK)	U		0.00516	0.0110	1	04/26/2018 11:12	WG1102608
Methylene Chloride	U		0.00110	0.00551	1	04/26/2018 11:12	WG1102608
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	04/26/2018 11:12	WG1102608

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000234	0.00110	1	04/26/2018 11:12	WG1102608
Naphthalene	U		0.00110	0.00551	1	04/26/2018 11:12	WG1102608
n-Propylbenzene	U		0.000227	0.00110	1	04/26/2018 11:12	WG1102608
Styrene	U		0.000258	0.00110	1	04/26/2018 11:12	WG1102608
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/26/2018 11:12	WG1102608
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/26/2018 11:12	WG1102608
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/26/2018 11:12	WG1102608
Tetrachloroethene	0.00128		0.000304	0.00110	1	04/26/2018 11:12	WG1102608
Toluene	U		0.000478	0.00551	1	04/26/2018 11:12	WG1102608
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/26/2018 11:12	WG1102608
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	04/26/2018 11:12	WG1102608
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/26/2018 11:12	WG1102608
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/26/2018 11:12	WG1102608
Trichloroethene	U		0.000307	0.00110	1	04/26/2018 11:12	WG1102608
Trichlorofluoromethane	U		0.000421	0.00551	1	04/26/2018 11:12	WG1102608
1,2,3-Trichloropropane	U		0.000817	0.00276	1	04/26/2018 11:12	WG1102608
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	04/26/2018 11:12	WG1102608
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/26/2018 11:12	WG1102608
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/26/2018 11:12	WG1102608
Vinyl acetate	U		0.00263	0.0110	1	04/26/2018 11:12	WG1102608
Vinyl chloride	U		0.000321	0.00110	1	04/26/2018 11:12	WG1102608
Xylenes, Total	U		0.000769	0.00331	1	04/26/2018 11:12	WG1102608
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 11:12*	WG1102608
(S) Dibromofluoromethane	*91.7*			*74.0-131*		*04/26/2018 11:12*	WG1102608
(S) 4-Bromofluorobenzene	*95.6*			*64.0-132*		*04/26/2018 11:12*	WG1102608

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0152 J	J J0	0.0112	0.0561	1	04/26/2018 18:38	WG1103312
Acrylonitrile	U		0.00201	0.0112	1	04/26/2018 18:38	WG1103312
Benzene	U		0.000303	0.00112	1	04/26/2018 18:38	WG1103312
Bromobenzene	U		0.000319	0.00112	1	04/26/2018 18:38	WG1103312
Bromodichloromethane	U		0.000285	0.00112	1	04/26/2018 18:38	WG1103312
Bromochloromethane	U		0.000438	0.00561	1	04/26/2018 18:38	WG1103312
Bromoform	U		0.000476	0.00112	1	04/26/2018 18:38	WG1103312
Bromomethane	U		0.00150	0.00561	1	04/26/2018 18:38	WG1103312
n-Butylbenzene	U		0.000290	0.00112	1	04/26/2018 18:38	WG1103312
sec-Butylbenzene	U		0.000226	0.00112	1	04/26/2018 18:38	WG1103312
tert-Butylbenzene	U		0.000231	0.00112	1	04/26/2018 18:38	WG1103312
Carbon disulfide	0.000876 J	J	0.000248	0.00112	1	04/26/2018 18:38	WG1103312
Carbon tetrachloride	U		0.000368	0.00112	1	04/26/2018 18:38	WG1103312
Chlorobenzene	U		0.000238	0.00112	1	04/26/2018 18:38	WG1103312
Chlorodibromomethane	U		0.000419	0.00112	1	04/26/2018 18:38	WG1103312
Chloroethane	U UJ	J0	0.00106	0.00561	1	04/26/2018 18:38	WG1103312
Chloroform	U		0.000257	0.00561	1	04/26/2018 18:38	WG1103312
Chloromethane	0.00157 J	J	0.000421	0.00281	1	04/26/2018 18:38	WG1103312
2-Chlorotoluene	U		0.000338	0.00112	1	04/26/2018 18:38	WG1103312
4-Chlorotoluene	U		0.000269	0.00112	1	04/26/2018 18:38	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	04/26/2018 18:38	WG1103312
1,2-Dibromoethane	U		0.000385	0.00112	1	04/26/2018 18:38	WG1103312
Dibromomethane	U		0.000429	0.00112	1	04/26/2018 18:38	WG1103312
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/26/2018 18:38	WG1103312
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/26/2018 18:38	WG1103312
1,4-Dichlorobenzene	U		0.000254	0.00112	1	04/26/2018 18:38	WG1103312
Dichlorodifluoromethane	U UJ	J0	0.000801	0.00561	1	04/26/2018 18:38	WG1103312
1,1-Dichloroethane	U		0.000223	0.00112	1	04/26/2018 18:38	WG1103312
1,2-Dichloroethane	U		0.000298	0.00112	1	04/26/2018 18:38	WG1103312
1,1-Dichloroethene	U		0.000340	0.00112	1	04/26/2018 18:38	WG1103312
cis-1,2-Dichloroethene	0.00144		0.000264	0.00112	1	04/26/2018 18:38	WG1103312
trans-1,2-Dichloroethene	0.000386 J	J	0.000296	0.00112	1	04/26/2018 18:38	WG1103312
1,2-Dichloropropane	U		0.000402	0.00112	1	04/26/2018 18:38	WG1103312
1,1-Dichloropropene	U		0.000356	0.00112	1	04/26/2018 18:38	WG1103312
1,3-Dichloropropane	U		0.000232	0.00112	1	04/26/2018 18:38	WG1103312
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/26/2018 18:38	WG1103312
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	04/26/2018 18:38	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000874	0.00281	1	04/26/2018 18:38	WG1103312
2,2-Dichloropropane	U		0.000313	0.00112	1	04/26/2018 18:38	WG1103312
Di-isopropyl ether	U		0.000278	0.00112	1	04/26/2018 18:38	WG1103312
Ethylbenzene	U		0.000333	0.00112	1	04/26/2018 18:38	WG1103312
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	04/26/2018 18:38	WG1103312
2-Hexanone	U	J3	0.00154	0.0112	1	04/26/2018 18:38	WG1103312
n-Hexane	0.00225 J	J	0.000326	0.0112	1	04/26/2018 18:38	WG1103312
Iodomethane	U		0.00284	0.0112	1	04/26/2018 18:38	WG1103312
Isopropylbenzene	U		0.000273	0.00112	1	04/26/2018 18:38	WG1103312
p-Isopropyltoluene	U		0.000229	0.00112	1	04/26/2018 18:38	WG1103312
2-Butanone (MEK)	U		0.00525	0.0112	1	04/26/2018 18:38	WG1103312
Methylene Chloride	U		0.00112	0.00561	1	04/26/2018 18:38	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/26/2018 18:38	WG1103312

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/26/2018 18:38	WG1103312
Naphthalene	U		0.00112	0.00561	1	04/26/2018 18:38	WG1103312
n-Propylbenzene	U		0.000231	0.00112	1	04/26/2018 18:38	WG1103312
Styrene	U		0.000263	0.00112	1	04/26/2018 18:38	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/26/2018 18:38	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	04/26/2018 18:38	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000410	0.00112	1	04/26/2018 18:38	WG1103312
Tetrachloroethene	0.00427		0.000310	0.00112	1	04/26/2018 18:38	WG1103312
Toluene	U		0.000487	0.00561	1	04/26/2018 18:38	WG1103312
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	04/26/2018 18:38	WG1103312
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	04/26/2018 18:38	WG1103312
1,1,1-Trichloroethane	U		0.000321	0.00112	1	04/26/2018 18:38	WG1103312
1,1,2-Trichloroethane	U		0.000311	0.00112	1	04/26/2018 18:38	WG1103312
Trichloroethene	0.00104 J	J	0.000313	0.00112	1	04/26/2018 18:38	WG1103312
Trichlorofluoromethane	U		0.000429	0.00561	1	04/26/2018 18:38	WG1103312
1,2,3-Trichloropropane	U		0.000832	0.00281	1	04/26/2018 18:38	WG1103312
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	04/26/2018 18:38	WG1103312
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/26/2018 18:38	WG1103312
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	04/26/2018 18:38	WG1103312
Vinyl acetate	U		0.00268	0.0112	1	04/26/2018 18:38	WG1103312
Vinyl chloride	0.000395 J	J	0.000327	0.00112	1	04/26/2018 18:38	WG1103312
Xylenes, Total	U		0.000784	0.00337	1	04/26/2018 18:38	WG1103312
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 18:38*	WG1103312
(S) Dibromofluoromethane	*91.9*			*74.0-131*		*04/26/2018 18:38*	WG1103312
(S) 4-Bromofluorobenzene	*98.3*			*64.0-132*		*04/26/2018 18:38*	WG1103312

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0251 J	J J0	0.0108	0.0540	1	04/26/2018 18:59	WG1103312
Acrylonitrile	U		0.00193	0.0108	1	04/26/2018 18:59	WG1103312
Benzene	U		0.000292	0.00108	1	04/26/2018 18:59	WG1103312
Bromobenzene	U		0.000307	0.00108	1	04/26/2018 18:59	WG1103312
Bromodichloromethane	U		0.000274	0.00108	1	04/26/2018 18:59	WG1103312
Bromochloromethane	U		0.000421	0.00540	1	04/26/2018 18:59	WG1103312
Bromoform	U		0.000458	0.00108	1	04/26/2018 18:59	WG1103312
Bromomethane	U		0.00145	0.00540	1	04/26/2018 18:59	WG1103312
n-Butylbenzene	U		0.000279	0.00108	1	04/26/2018 18:59	WG1103312
sec-Butylbenzene	U		0.000217	0.00108	1	04/26/2018 18:59	WG1103312
tert-Butylbenzene	U		0.000223	0.00108	1	04/26/2018 18:59	WG1103312
Carbon disulfide	0.00219		0.000239	0.00108	1	04/26/2018 18:59	WG1103312
Carbon tetrachloride	U		0.000354	0.00108	1	04/26/2018 18:59	WG1103312
Chlorobenzene	U		0.000229	0.00108	1	04/26/2018 18:59	WG1103312
Chlorodibromomethane	U		0.000403	0.00108	1	04/26/2018 18:59	WG1103312
Chloroethane	U UJ	J0	0.00102	0.00540	1	04/26/2018 18:59	WG1103312
Chloroform	U		0.000247	0.00540	1	04/26/2018 18:59	WG1103312
Chloromethane	0.00160 J	J	0.000405	0.00270	1	04/26/2018 18:59	WG1103312
2-Chlorotoluene	U		0.000325	0.00108	1	04/26/2018 18:59	WG1103312
4-Chlorotoluene	U		0.000259	0.00108	1	04/26/2018 18:59	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/26/2018 18:59	WG1103312
1,2-Dibromoethane	U		0.000371	0.00108	1	04/26/2018 18:59	WG1103312
Dibromomethane	U		0.000413	0.00108	1	04/26/2018 18:59	WG1103312
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/26/2018 18:59	WG1103312
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/26/2018 18:59	WG1103312
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/26/2018 18:59	WG1103312
Dichlorodifluoromethane	U UJ	J0	0.000770	0.00540	1	04/26/2018 18:59	WG1103312
1,1-Dichloroethane	U		0.000215	0.00108	1	04/26/2018 18:59	WG1103312
1,2-Dichloroethane	U		0.000286	0.00108	1	04/26/2018 18:59	WG1103312
1,1-Dichloroethene	U		0.000327	0.00108	1	04/26/2018 18:59	WG1103312
cis-1,2-Dichloroethene	0.00979		0.000254	0.00108	1	04/26/2018 18:59	WG1103312
trans-1,2-Dichloroethene	0.000306 J	J	0.000285	0.00108	1	04/26/2018 18:59	WG1103312
1,2-Dichloropropane	U		0.000387	0.00108	1	04/26/2018 18:59	WG1103312
1,1-Dichloropropene	U		0.000342	0.00108	1	04/26/2018 18:59	WG1103312
1,3-Dichloropropane	U		0.000224	0.00108	1	04/26/2018 18:59	WG1103312
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/26/2018 18:59	WG1103312
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/26/2018 18:59	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/26/2018 18:59	WG1103312
2,2-Dichloropropane	U		0.000301	0.00108	1	04/26/2018 18:59	WG1103312
Di-isopropyl ether	U		0.000268	0.00108	1	04/26/2018 18:59	WG1103312
Ethylbenzene	U		0.000321	0.00108	1	04/26/2018 18:59	WG1103312
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	04/26/2018 18:59	WG1103312
2-Hexanone	0.00220 J	J J3	0.00148	0.0108	1	04/26/2018 18:59	WG1103312
n-Hexane	0.00272 J	J	0.000313	0.0108	1	04/26/2018 18:59	WG1103312
Iodomethane	U		0.00273	0.0108	1	04/26/2018 18:59	WG1103312
Isopropylbenzene	U		0.000263	0.00108	1	04/26/2018 18:59	WG1103312
p-Isopropyltoluene	U		0.000220	0.00108	1	04/26/2018 18:59	WG1103312
2-Butanone (MEK)	U		0.00506	0.0108	1	04/26/2018 18:59	WG1103312
Methylene Chloride	U		0.00108	0.00540	1	04/26/2018 18:59	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/26/2018 18:59	WG1103312

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/26/2018 18:59	WG1103312
Naphthalene	U		0.00108	0.00540	1	04/26/2018 18:59	WG1103312
n-Propylbenzene	U		0.000223	0.00108	1	04/26/2018 18:59	WG1103312
Styrene	U		0.000253	0.00108	1	04/26/2018 18:59	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/26/2018 18:59	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	04/26/2018 18:59	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	04/26/2018 18:59	WG1103312
Tetrachloroethene	0.00230		0.000298	0.00108	1	04/26/2018 18:59	WG1103312
Toluene	U		0.000469	0.00540	1	04/26/2018 18:59	WG1103312
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/26/2018 18:59	WG1103312
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/26/2018 18:59	WG1103312
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/26/2018 18:59	WG1103312
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/26/2018 18:59	WG1103312
Trichloroethene	0.000708	J J	0.000301	0.00108	1	04/26/2018 18:59	WG1103312
Trichlorofluoromethane	U		0.000413	0.00540	1	04/26/2018 18:59	WG1103312
1,2,3-Trichloropropane	U		0.000801	0.00270	1	04/26/2018 18:59	WG1103312
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/26/2018 18:59	WG1103312
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/26/2018 18:59	WG1103312
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/26/2018 18:59	WG1103312
Vinyl acetate	U		0.00258	0.0108	1	04/26/2018 18:59	WG1103312
Vinyl chloride	0.00279		0.000314	0.00108	1	04/26/2018 18:59	WG1103312
Xylenes, Total	U		0.000754	0.00324	1	04/26/2018 18:59	WG1103312
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 18:59*	WG1103312
(S) Dibromofluoromethane	*94.8*			*74.0-131*		*04/26/2018 18:59*	WG1103312
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*04/26/2018 18:59*	WG1103312

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0110	0.0550	1	04/26/2018 19:20	WG1103312
Acrylonitrile	U			0.00197	0.0110	1	04/26/2018 19:20	WG1103312
Benzene	U			0.000297	0.00110	1	04/26/2018 19:20	WG1103312
Bromobenzene	U			0.000313	0.00110	1	04/26/2018 19:20	WG1103312
Bromodichloromethane	U			0.000280	0.00110	1	04/26/2018 19:20	WG1103312
Bromochloromethane	U			0.000429	0.00550	1	04/26/2018 19:20	WG1103312
Bromoform	U			0.000467	0.00110	1	04/26/2018 19:20	WG1103312
Bromomethane	U			0.00148	0.00550	1	04/26/2018 19:20	WG1103312
n-Butylbenzene	U			0.000284	0.00110	1	04/26/2018 19:20	WG1103312
sec-Butylbenzene	U			0.000221	0.00110	1	04/26/2018 19:20	WG1103312
tert-Butylbenzene	U			0.000227	0.00110	1	04/26/2018 19:20	WG1103312
Carbon disulfide	0.000811	J	J	0.000243	0.00110	1	04/26/2018 19:20	WG1103312
Carbon tetrachloride	U			0.000361	0.00110	1	04/26/2018 19:20	WG1103312
Chlorobenzene	U			0.000233	0.00110	1	04/26/2018 19:20	WG1103312
Chlorodibromomethane	U			0.000411	0.00110	1	04/26/2018 19:20	WG1103312
Chloroethane	U	UJ	J0	0.00104	0.00550	1	04/26/2018 19:20	WG1103312
Chloroform	U			0.000252	0.00550	1	04/26/2018 19:20	WG1103312
Chloromethane	U			0.000413	0.00275	1	04/26/2018 19:20	WG1103312
2-Chlorotoluene	U			0.000331	0.00110	1	04/26/2018 19:20	WG1103312
4-Chlorotoluene	U			0.000264	0.00110	1	04/26/2018 19:20	WG1103312
1,2-Dibromo-3-Chloropropane	U			0.00116	0.00550	1	04/26/2018 19:20	WG1103312
1,2-Dibromoethane	U			0.000378	0.00110	1	04/26/2018 19:20	WG1103312
Dibromomethane	U			0.000421	0.00110	1	04/26/2018 19:20	WG1103312
1,2-Dichlorobenzene	U			0.000336	0.00110	1	04/26/2018 19:20	WG1103312
1,3-Dichlorobenzene	U			0.000263	0.00110	1	04/26/2018 19:20	WG1103312
1,4-Dichlorobenzene	U			0.000249	0.00110	1	04/26/2018 19:20	WG1103312
Dichlorodifluoromethane	U	UJ	J0	0.000785	0.00550	1	04/26/2018 19:20	WG1103312
1,1-Dichloroethane	U			0.000219	0.00110	1	04/26/2018 19:20	WG1103312
1,2-Dichloroethane	U			0.000292	0.00110	1	04/26/2018 19:20	WG1103312
1,1-Dichloroethene	0.00775			0.000334	0.00110	1	04/26/2018 19:20	WG1103312
cis-1,2-Dichloroethene	4.71			0.0259	0.110	100	04/28/2018 14:01	WG1103312
trans-1,2-Dichloroethene	0.0711			0.000291	0.00110	1	04/26/2018 19:20	WG1103312
1,2-Dichloropropane	U			0.000394	0.00110	1	04/26/2018 19:20	WG1103312
1,1-Dichloropropene	U			0.000349	0.00110	1	04/26/2018 19:20	WG1103312
1,3-Dichloropropane	U			0.000228	0.00110	1	04/26/2018 19:20	WG1103312
cis-1,3-Dichloropropene	U			0.000288	0.00110	1	04/26/2018 19:20	WG1103312
trans-1,3-Dichloropropene	U			0.000294	0.00110	1	04/26/2018 19:20	WG1103312
trans-1,4-Dichloro-2-butene	U			0.000857	0.00275	1	04/26/2018 19:20	WG1103312
2,2-Dichloropropane	U			0.000307	0.00110	1	04/26/2018 19:20	WG1103312
Di-isopropyl ether	U			0.000273	0.00110	1	04/26/2018 19:20	WG1103312
Ethylbenzene	U			0.000327	0.00110	1	04/26/2018 19:20	WG1103312
Hexachloro-1,3-butadiene	U			0.000377	0.00110	1	04/26/2018 19:20	WG1103312
2-Hexanone	U		J3	0.00151	0.0110	1	04/26/2018 19:20	WG1103312
n-Hexane	U			0.000319	0.0110	1	04/26/2018 19:20	WG1103312
Iodomethane	U			0.00279	0.0110	1	04/26/2018 19:20	WG1103312
Isopropylbenzene	U			0.000268	0.00110	1	04/26/2018 19:20	WG1103312
p-Isopropyltoluene	U			0.000225	0.00110	1	04/26/2018 19:20	WG1103312
2-Butanone (MEK)	U			0.00515	0.0110	1	04/26/2018 19:20	WG1103312
Methylene Chloride	U			0.00110	0.00550	1	04/26/2018 19:20	WG1103312
4-Methyl-2-pentanone (MIBK)	U			0.00207	0.0110	1	04/26/2018 19:20	WG1103312

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000233	0.00110	1	04/26/2018 19:20	WG1103312
Naphthalene	U		0.00110	0.00550	1	04/26/2018 19:20	WG1103312
n-Propylbenzene	U		0.000227	0.00110	1	04/26/2018 19:20	WG1103312
Styrene	U		0.000258	0.00110	1	04/26/2018 19:20	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	04/26/2018 19:20	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	04/26/2018 19:20	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	04/26/2018 19:20	WG1103312
Tetrachloroethene	U		0.000304	0.00110	1	04/26/2018 19:20	WG1103312
Toluene	U		0.000478	0.00550	1	04/26/2018 19:20	WG1103312
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	04/26/2018 19:20	WG1103312
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	04/26/2018 19:20	WG1103312
1,1,1-Trichloroethane	U		0.000315	0.00110	1	04/26/2018 19:20	WG1103312
1,1,2-Trichloroethane	U		0.000305	0.00110	1	04/26/2018 19:20	WG1103312
Trichloroethene	U		0.000307	0.00110	1	04/26/2018 19:20	WG1103312
Trichlorofluoromethane	U		0.000421	0.00550	1	04/26/2018 19:20	WG1103312
1,2,3-Trichloropropane	U		0.000816	0.00275	1	04/26/2018 19:20	WG1103312
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	04/26/2018 19:20	WG1103312
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	04/26/2018 19:20	WG1103312
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	04/26/2018 19:20	WG1103312
Vinyl acetate	U		0.00263	0.0110	1	04/26/2018 19:20	WG1103312
Vinyl chloride	0.779		0.0320	0.110	100	04/28/2018 14:01	WG1103312
Xylenes, Total	U		0.000768	0.00330	1	04/26/2018 19:20	WG1103312
(S) Toluene-d8	*104*			*80.0-120*		*04/26/2018 19:20*	WG1103312
(S) Toluene-d8	*116*			*80.0-120*		*04/28/2018 14:01*	WG1103312
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*04/26/2018 19:20*	WG1103312
(S) Dibromofluoromethane	*84.7*			*74.0-131*		*04/28/2018 14:01*	WG1103312
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*04/26/2018 19:20*	WG1103312
(S) 4-Bromofluorobenzene	*91.5*			*64.0-132*		*04/28/2018 14:01*	WG1103312

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	U	UJ	J0	0.0113	0.0565	1	04/26/2018 19:42	WG1103312
Acrylonitrile	U			0.00202	0.0113	1	04/26/2018 19:42	WG1103312
Benzene	U			0.000305	0.00113	1	04/26/2018 19:42	WG1103312
Bromobenzene	U			0.000321	0.00113	1	04/26/2018 19:42	WG1103312
Bromodichloromethane	U			0.000287	0.00113	1	04/26/2018 19:42	WG1103312
Bromochloromethane	U			0.000441	0.00565	1	04/26/2018 19:42	WG1103312
Bromoform	U			0.000479	0.00113	1	04/26/2018 19:42	WG1103312
Bromomethane	U			0.00151	0.00565	1	04/26/2018 19:42	WG1103312
n-Butylbenzene	U			0.000291	0.00113	1	04/26/2018 19:42	WG1103312
sec-Butylbenzene	U			0.000227	0.00113	1	04/26/2018 19:42	WG1103312
tert-Butylbenzene	U			0.000233	0.00113	1	04/26/2018 19:42	WG1103312
Carbon disulfide	0.000350	J	J	0.000250	0.00113	1	04/26/2018 19:42	WG1103312
Carbon tetrachloride	U			0.000371	0.00113	1	04/26/2018 19:42	WG1103312
Chlorobenzene	U			0.000239	0.00113	1	04/26/2018 19:42	WG1103312
Chlorodibromomethane	U			0.000421	0.00113	1	04/26/2018 19:42	WG1103312
Chloroethane	U	UJ	J0	0.00107	0.00565	1	04/26/2018 19:42	WG1103312
Chloroform	U			0.000259	0.00565	1	04/26/2018 19:42	WG1103312
Chloromethane	U			0.000424	0.00282	1	04/26/2018 19:42	WG1103312
2-Chlorotoluene	U			0.000340	0.00113	1	04/26/2018 19:42	WG1103312
4-Chlorotoluene	U			0.000271	0.00113	1	04/26/2018 19:42	WG1103312
1,2-Dibromo-3-Chloropropane	U			0.00119	0.00565	1	04/26/2018 19:42	WG1103312
1,2-Dibromoethane	U			0.000387	0.00113	1	04/26/2018 19:42	WG1103312
Dibromomethane	U			0.000432	0.00113	1	04/26/2018 19:42	WG1103312
1,2-Dichlorobenzene	U			0.000345	0.00113	1	04/26/2018 19:42	WG1103312
1,3-Dichlorobenzene	U			0.000270	0.00113	1	04/26/2018 19:42	WG1103312
1,4-Dichlorobenzene	U			0.000255	0.00113	1	04/26/2018 19:42	WG1103312
Dichlorodifluoromethane	U	UJ	J0	0.000805	0.00565	1	04/26/2018 19:42	WG1103312
1,1-Dichloroethane	U			0.000225	0.00113	1	04/26/2018 19:42	WG1103312
1,2-Dichloroethane	U			0.000299	0.00113	1	04/26/2018 19:42	WG1103312
1,1-Dichloroethene	U			0.000342	0.00113	1	04/26/2018 19:42	WG1103312
cis-1,2-Dichloroethene	0.0125			0.000265	0.00113	1	04/28/2018 13:40	WG1103312
trans-1,2-Dichloroethene	0.000318	J	J	0.000298	0.00113	1	04/26/2018 19:42	WG1103312
1,2-Dichloropropane	U			0.000404	0.00113	1	04/26/2018 19:42	WG1103312
1,1-Dichloropropene	U			0.000358	0.00113	1	04/26/2018 19:42	WG1103312
1,3-Dichloropropane	U			0.000234	0.00113	1	04/26/2018 19:42	WG1103312
cis-1,3-Dichloropropene	U			0.000296	0.00113	1	04/26/2018 19:42	WG1103312
trans-1,3-Dichloropropene	U			0.000302	0.00113	1	04/26/2018 19:42	WG1103312
trans-1,4-Dichloro-2-butene	U			0.000879	0.00282	1	04/26/2018 19:42	WG1103312
2,2-Dichloropropane	U			0.000315	0.00113	1	04/26/2018 19:42	WG1103312
Di-isopropyl ether	U			0.000280	0.00113	1	04/26/2018 19:42	WG1103312
Ethylbenzene	U			0.000335	0.00113	1	04/26/2018 19:42	WG1103312
Hexachloro-1,3-butadiene	U			0.000386	0.00113	1	04/26/2018 19:42	WG1103312
2-Hexanone	U		J3	0.00155	0.0113	1	04/26/2018 19:42	WG1103312
n-Hexane	0.000393	J	J	0.000328	0.0113	1	04/26/2018 19:42	WG1103312
Iodomethane	U			0.00286	0.0113	1	04/26/2018 19:42	WG1103312
Isopropylbenzene	U			0.000274	0.00113	1	04/26/2018 19:42	WG1103312
p-Isopropyltoluene	U			0.000230	0.00113	1	04/26/2018 19:42	WG1103312
2-Butanone (MEK)	U			0.00529	0.0113	1	04/26/2018 19:42	WG1103312
Methylene Chloride	U			0.00113	0.00565	1	04/26/2018 19:42	WG1103312
4-Methyl-2-pentanone (MIBK)	U			0.00212	0.0113	1	04/26/2018 19:42	WG1103312

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000239	0.00113	1	04/26/2018 19:42	WG1103312
Naphthalene	U		0.00113	0.00565	1	04/26/2018 19:42	WG1103312
n-Propylbenzene	U		0.000233	0.00113	1	04/26/2018 19:42	WG1103312
Styrene	U		0.000264	0.00113	1	04/26/2018 19:42	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	04/26/2018 19:42	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	04/26/2018 19:42	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	04/26/2018 19:42	WG1103312
Tetrachloroethene	U		0.000312	0.00113	1	04/26/2018 19:42	WG1103312
Toluene	U		0.000490	0.00565	1	04/26/2018 19:42	WG1103312
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	04/26/2018 19:42	WG1103312
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	04/26/2018 19:42	WG1103312
1,1,1-Trichloroethane	U		0.000323	0.00113	1	04/26/2018 19:42	WG1103312
1,1,2-Trichloroethane	U		0.000313	0.00113	1	04/26/2018 19:42	WG1103312
Trichloroethene	U		0.000315	0.00113	1	04/26/2018 19:42	WG1103312
Trichlorofluoromethane	U		0.000432	0.00565	1	04/26/2018 19:42	WG1103312
1,2,3-Trichloropropane	U		0.000837	0.00282	1	04/26/2018 19:42	WG1103312
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	04/26/2018 19:42	WG1103312
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	04/26/2018 19:42	WG1103312
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	04/26/2018 19:42	WG1103312
Vinyl acetate	U		0.00270	0.0113	1	04/26/2018 19:42	WG1103312
Vinyl chloride	0.0367		0.000329	0.00113	1	04/28/2018 13:40	WG1103312
Xylenes, Total	U		0.000788	0.00339	1	04/26/2018 19:42	WG1103312
(S) Toluene-d8	*103*			*80.0-120*		*04/28/2018 13:40*	WG1103312
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 19:42*	WG1103312
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*04/26/2018 19:42*	WG1103312
(S) Dibromofluoromethane	*92.4*			*74.0-131*		*04/28/2018 13:40*	WG1103312
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*04/28/2018 13:40*	WG1103312
(S) 4-Bromofluorobenzene	*94.7*			*64.0-132*		*04/26/2018 19:42*	WG1103312

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.8		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0108	0.0539	1	04/26/2018 20:03	WG1103312
Acrylonitrile	U		0.00193	0.0108	1	04/26/2018 20:03	WG1103312
Benzene	U		0.000291	0.00108	1	04/26/2018 20:03	WG1103312
Bromobenzene	U		0.000306	0.00108	1	04/26/2018 20:03	WG1103312
Bromodichloromethane	U		0.000274	0.00108	1	04/26/2018 20:03	WG1103312
Bromochloromethane	U		0.000420	0.00539	1	04/26/2018 20:03	WG1103312
Bromoform	U		0.000457	0.00108	1	04/26/2018 20:03	WG1103312
Bromomethane	U		0.00144	0.00539	1	04/26/2018 20:03	WG1103312
n-Butylbenzene	U		0.000278	0.00108	1	04/26/2018 20:03	WG1103312
sec-Butylbenzene	U		0.000217	0.00108	1	04/26/2018 20:03	WG1103312
tert-Butylbenzene	U		0.000222	0.00108	1	04/26/2018 20:03	WG1103312
Carbon disulfide	0.000401 J	J	0.000238	0.00108	1	04/26/2018 20:03	WG1103312
Carbon tetrachloride	U		0.000353	0.00108	1	04/26/2018 20:03	WG1103312
Chlorobenzene	U		0.000228	0.00108	1	04/26/2018 20:03	WG1103312
Chlorodibromomethane	U		0.000402	0.00108	1	04/26/2018 20:03	WG1103312
Chloroethane	U UJ	J0	0.00102	0.00539	1	04/26/2018 20:03	WG1103312
Chloroform	U		0.000247	0.00539	1	04/26/2018 20:03	WG1103312
Chloromethane	U		0.000404	0.00269	1	04/26/2018 20:03	WG1103312
2-Chlorotoluene	U		0.000324	0.00108	1	04/26/2018 20:03	WG1103312
4-Chlorotoluene	U		0.000259	0.00108	1	04/26/2018 20:03	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	04/26/2018 20:03	WG1103312
1,2-Dibromoethane	U		0.000370	0.00108	1	04/26/2018 20:03	WG1103312
Dibromomethane	U		0.000412	0.00108	1	04/26/2018 20:03	WG1103312
1,2-Dichlorobenzene	U		0.000329	0.00108	1	04/26/2018 20:03	WG1103312
1,3-Dichlorobenzene	U		0.000257	0.00108	1	04/26/2018 20:03	WG1103312
1,4-Dichlorobenzene	U		0.000243	0.00108	1	04/26/2018 20:03	WG1103312
Dichlorodifluoromethane	U UJ	J0	0.000768	0.00539	1	04/26/2018 20:03	WG1103312
1,1-Dichloroethane	U		0.000214	0.00108	1	04/26/2018 20:03	WG1103312
1,2-Dichloroethane	U		0.000285	0.00108	1	04/26/2018 20:03	WG1103312
1,1-Dichloroethene	0.000535 J	J	0.000326	0.00108	1	04/26/2018 20:03	WG1103312
cis-1,2-Dichloroethene	0.0754		0.000253	0.00108	1	04/26/2018 20:03	WG1103312
trans-1,2-Dichloroethene	0.000984 J	J	0.000284	0.00108	1	04/26/2018 20:03	WG1103312
1,2-Dichloropropane	U		0.000386	0.00108	1	04/26/2018 20:03	WG1103312
1,1-Dichloropropene	U		0.000342	0.00108	1	04/26/2018 20:03	WG1103312
1,3-Dichloropropane	U		0.000223	0.00108	1	04/26/2018 20:03	WG1103312
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	04/26/2018 20:03	WG1103312
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	04/26/2018 20:03	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	04/26/2018 20:03	WG1103312
2,2-Dichloropropane	U		0.000301	0.00108	1	04/26/2018 20:03	WG1103312
Di-isopropyl ether	U		0.000267	0.00108	1	04/26/2018 20:03	WG1103312
Ethylbenzene	U		0.000320	0.00108	1	04/26/2018 20:03	WG1103312
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	04/26/2018 20:03	WG1103312
2-Hexanone	U	J3	0.00148	0.0108	1	04/26/2018 20:03	WG1103312
n-Hexane	U		0.000312	0.0108	1	04/26/2018 20:03	WG1103312
Iodomethane	U		0.00273	0.0108	1	04/26/2018 20:03	WG1103312
Isopropylbenzene	U		0.000262	0.00108	1	04/26/2018 20:03	WG1103312
p-Isopropyltoluene	U		0.000220	0.00108	1	04/26/2018 20:03	WG1103312
2-Butanone (MEK)	U		0.00504	0.0108	1	04/26/2018 20:03	WG1103312
Methylene Chloride	U		0.00108	0.00539	1	04/26/2018 20:03	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/26/2018 20:03	WG1103312

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000228	0.00108	1	04/26/2018 20:03	WG1103312
Naphthalene	U		0.00108	0.00539	1	04/26/2018 20:03	WG1103312
n-Propylbenzene	U		0.000222	0.00108	1	04/26/2018 20:03	WG1103312
Styrene	U		0.000252	0.00108	1	04/26/2018 20:03	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	04/26/2018 20:03	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	04/26/2018 20:03	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	04/26/2018 20:03	WG1103312
Tetrachloroethene	U		0.000297	0.00108	1	04/26/2018 20:03	WG1103312
Toluene	U		0.000468	0.00539	1	04/26/2018 20:03	WG1103312
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	04/26/2018 20:03	WG1103312
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	04/26/2018 20:03	WG1103312
1,1,1-Trichloroethane	U		0.000308	0.00108	1	04/26/2018 20:03	WG1103312
1,1,2-Trichloroethane	U		0.000298	0.00108	1	04/26/2018 20:03	WG1103312
Trichloroethene	U		0.000301	0.00108	1	04/26/2018 20:03	WG1103312
Trichlorofluoromethane	U		0.000412	0.00539	1	04/26/2018 20:03	WG1103312
1,2,3-Trichloropropane	U		0.000798	0.00269	1	04/26/2018 20:03	WG1103312
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	04/26/2018 20:03	WG1103312
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	04/26/2018 20:03	WG1103312
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/26/2018 20:03	WG1103312
Vinyl acetate	U		0.00257	0.0108	1	04/26/2018 20:03	WG1103312
Vinyl chloride	0.0672		0.000313	0.00108	1	04/26/2018 20:03	WG1103312
Xylenes, Total	U		0.000752	0.00323	1	04/26/2018 20:03	WG1103312
(S) Toluene-d8	*105*			*80.0-120*		*04/26/2018 20:03*	WG1103312
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*04/26/2018 20:03*	WG1103312
(S) 4-Bromofluorobenzene	*94.7*			*64.0-132*		*04/26/2018 20:03*	WG1103312

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0112	0.0558	1	04/26/2018 20:24	WG1103312
Acrylonitrile	U		0.00200	0.0112	1	04/26/2018 20:24	WG1103312
Benzene	0.000434 J	J	0.000301	0.00112	1	04/26/2018 20:24	WG1103312
Bromobenzene	U		0.000317	0.00112	1	04/26/2018 20:24	WG1103312
Bromodichloromethane	U		0.000283	0.00112	1	04/26/2018 20:24	WG1103312
Bromochloromethane	U		0.000435	0.00558	1	04/26/2018 20:24	WG1103312
Bromoform	U		0.000473	0.00112	1	04/26/2018 20:24	WG1103312
Bromomethane	U		0.00149	0.00558	1	04/26/2018 20:24	WG1103312
n-Butylbenzene	U		0.000288	0.00112	1	04/26/2018 20:24	WG1103312
sec-Butylbenzene	U		0.000224	0.00112	1	04/26/2018 20:24	WG1103312
tert-Butylbenzene	U		0.000230	0.00112	1	04/26/2018 20:24	WG1103312
Carbon disulfide	0.000337 J	J	0.000247	0.00112	1	04/26/2018 20:24	WG1103312
Carbon tetrachloride	U		0.000366	0.00112	1	04/26/2018 20:24	WG1103312
Chlorobenzene	U		0.000237	0.00112	1	04/26/2018 20:24	WG1103312
Chlorodibromomethane	U		0.000416	0.00112	1	04/26/2018 20:24	WG1103312
Chloroethane	U UJ	J0	0.00106	0.00558	1	04/26/2018 20:24	WG1103312
Chloroform	U		0.000255	0.00558	1	04/26/2018 20:24	WG1103312
Chloromethane	U		0.000418	0.00279	1	04/26/2018 20:24	WG1103312
2-Chlorotoluene	U		0.000336	0.00112	1	04/26/2018 20:24	WG1103312
4-Chlorotoluene	U		0.000268	0.00112	1	04/26/2018 20:24	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/26/2018 20:24	WG1103312
1,2-Dibromoethane	U		0.000383	0.00112	1	04/26/2018 20:24	WG1103312
Dibromomethane	U		0.000426	0.00112	1	04/26/2018 20:24	WG1103312
1,2-Dichlorobenzene	U		0.000340	0.00112	1	04/26/2018 20:24	WG1103312
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/26/2018 20:24	WG1103312
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/26/2018 20:24	WG1103312
Dichlorodifluoromethane	U UJ	J0	0.000795	0.00558	1	04/26/2018 20:24	WG1103312
1,1-Dichloroethane	U		0.000222	0.00112	1	04/26/2018 20:24	WG1103312
1,2-Dichloroethane	U		0.000296	0.00112	1	04/26/2018 20:24	WG1103312
1,1-Dichloroethene	U		0.000338	0.00112	1	04/26/2018 20:24	WG1103312
cis-1,2-Dichloroethene	0.00500		0.000262	0.00112	1	04/26/2018 20:24	WG1103312
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/26/2018 20:24	WG1103312
1,2-Dichloropropane	U		0.000399	0.00112	1	04/26/2018 20:24	WG1103312
1,1-Dichloropropene	U		0.000354	0.00112	1	04/26/2018 20:24	WG1103312
1,3-Dichloropropane	U		0.000231	0.00112	1	04/26/2018 20:24	WG1103312
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	04/26/2018 20:24	WG1103312
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/26/2018 20:24	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000868	0.00279	1	04/26/2018 20:24	WG1103312
2,2-Dichloropropane	U		0.000311	0.00112	1	04/26/2018 20:24	WG1103312
Di-isopropyl ether	U		0.000277	0.00112	1	04/26/2018 20:24	WG1103312
Ethylbenzene	U		0.000331	0.00112	1	04/26/2018 20:24	WG1103312
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/26/2018 20:24	WG1103312
2-Hexanone	U	J3	0.00153	0.0112	1	04/26/2018 20:24	WG1103312
n-Hexane	0.000492 J	J	0.000324	0.0112	1	04/26/2018 20:24	WG1103312
Iodomethane	U		0.00282	0.0112	1	04/26/2018 20:24	WG1103312
Isopropylbenzene	U		0.000271	0.00112	1	04/26/2018 20:24	WG1103312
p-Isopropyltoluene	U		0.000228	0.00112	1	04/26/2018 20:24	WG1103312
2-Butanone (MEK)	U		0.00522	0.0112	1	04/26/2018 20:24	WG1103312
Methylene Chloride	U		0.00112	0.00558	1	04/26/2018 20:24	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/26/2018 20:24	WG1103312

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/26/2018 20:24	WG1103312
Naphthalene	U		0.00112	0.00558	1	04/26/2018 20:24	WG1103312
n-Propylbenzene	U		0.000230	0.00112	1	04/26/2018 20:24	WG1103312
Styrene	U		0.000261	0.00112	1	04/26/2018 20:24	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/26/2018 20:24	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	04/26/2018 20:24	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	04/26/2018 20:24	WG1103312
Tetrachloroethene	0.00103 J	J	0.000308	0.00112	1	04/26/2018 20:24	WG1103312
Toluene	U		0.000484	0.00558	1	04/26/2018 20:24	WG1103312
1,2,3-Trichlorobenzene	U		0.000341	0.00112	1	04/26/2018 20:24	WG1103312
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/26/2018 20:24	WG1103312
1,1,1-Trichloroethane	U		0.000319	0.00112	1	04/26/2018 20:24	WG1103312
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/26/2018 20:24	WG1103312
Trichloroethene	U		0.000311	0.00112	1	04/26/2018 20:24	WG1103312
Trichlorofluoromethane	U		0.000426	0.00558	1	04/26/2018 20:24	WG1103312
1,2,3-Trichloropropane	U		0.000827	0.00279	1	04/26/2018 20:24	WG1103312
1,2,4-Trimethylbenzene	U		0.000235	0.00112	1	04/26/2018 20:24	WG1103312
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/26/2018 20:24	WG1103312
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/26/2018 20:24	WG1103312
Vinyl acetate	U		0.00267	0.0112	1	04/26/2018 20:24	WG1103312
Vinyl chloride	0.00950		0.000325	0.00112	1	04/26/2018 20:24	WG1103312
Xylenes, Total	U		0.000779	0.00335	1	04/26/2018 20:24	WG1103312
(S) Toluene-d8	*103*			*80.0-120*		*04/26/2018 20:24*	WG1103312
(S) Dibromofluoromethane	*90.6*			*74.0-131*		*04/26/2018 20:24*	WG1103312
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*04/26/2018 20:24*	WG1103312

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0112	0.0560	1	04/26/2018 20:45	WG1103312
Acrylonitrile	U		0.00201	0.0112	1	04/26/2018 20:45	WG1103312
Benzene	U		0.000303	0.00112	1	04/26/2018 20:45	WG1103312
Bromobenzene	U		0.000318	0.00112	1	04/26/2018 20:45	WG1103312
Bromodichloromethane	U		0.000285	0.00112	1	04/26/2018 20:45	WG1103312
Bromochloromethane	U		0.000437	0.00560	1	04/26/2018 20:45	WG1103312
Bromoform	U		0.000475	0.00112	1	04/26/2018 20:45	WG1103312
Bromomethane	U		0.00150	0.00560	1	04/26/2018 20:45	WG1103312
n-Butylbenzene	U		0.000289	0.00112	1	04/26/2018 20:45	WG1103312
sec-Butylbenzene	U		0.000225	0.00112	1	04/26/2018 20:45	WG1103312
tert-Butylbenzene	U		0.000231	0.00112	1	04/26/2018 20:45	WG1103312
Carbon disulfide	0.000273 J	J	0.000248	0.00112	1	04/26/2018 20:45	WG1103312
Carbon tetrachloride	U		0.000368	0.00112	1	04/26/2018 20:45	WG1103312
Chlorobenzene	U		0.000238	0.00112	1	04/26/2018 20:45	WG1103312
Chlorodibromomethane	U		0.000418	0.00112	1	04/26/2018 20:45	WG1103312
Chloroethane	U UJ	J0	0.00106	0.00560	1	04/26/2018 20:45	WG1103312
Chloroform	U		0.000257	0.00560	1	04/26/2018 20:45	WG1103312
Chloromethane	U		0.000420	0.00280	1	04/26/2018 20:45	WG1103312
2-Chlorotoluene	U		0.000337	0.00112	1	04/26/2018 20:45	WG1103312
4-Chlorotoluene	U		0.000269	0.00112	1	04/26/2018 20:45	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	04/26/2018 20:45	WG1103312
1,2-Dibromoethane	U		0.000384	0.00112	1	04/26/2018 20:45	WG1103312
Dibromomethane	U		0.000428	0.00112	1	04/26/2018 20:45	WG1103312
1,2-Dichlorobenzene	U		0.000342	0.00112	1	04/26/2018 20:45	WG1103312
1,3-Dichlorobenzene	U		0.000268	0.00112	1	04/26/2018 20:45	WG1103312
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/26/2018 20:45	WG1103312
Dichlorodifluoromethane	U UJ	J0	0.000799	0.00560	1	04/26/2018 20:45	WG1103312
1,1-Dichloroethane	U		0.000223	0.00112	1	04/26/2018 20:45	WG1103312
1,2-Dichloroethane	U		0.000297	0.00112	1	04/26/2018 20:45	WG1103312
1,1-Dichloroethene	U		0.000340	0.00112	1	04/26/2018 20:45	WG1103312
cis-1,2-Dichloroethene	0.000306 J	J	0.000263	0.00112	1	04/26/2018 20:45	WG1103312
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	04/26/2018 20:45	WG1103312
1,2-Dichloropropane	U		0.000401	0.00112	1	04/26/2018 20:45	WG1103312
1,1-Dichloropropene	U		0.000355	0.00112	1	04/26/2018 20:45	WG1103312
1,3-Dichloropropane	U		0.000232	0.00112	1	04/26/2018 20:45	WG1103312
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	04/26/2018 20:45	WG1103312
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	04/26/2018 20:45	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000872	0.00280	1	04/26/2018 20:45	WG1103312
2,2-Dichloropropane	U		0.000313	0.00112	1	04/26/2018 20:45	WG1103312
Di-isopropyl ether	U		0.000278	0.00112	1	04/26/2018 20:45	WG1103312
Ethylbenzene	U		0.000333	0.00112	1	04/26/2018 20:45	WG1103312
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	04/26/2018 20:45	WG1103312
2-Hexanone	U	J3	0.00154	0.0112	1	04/26/2018 20:45	WG1103312
n-Hexane	U		0.000325	0.0112	1	04/26/2018 20:45	WG1103312
Iodomethane	U		0.00284	0.0112	1	04/26/2018 20:45	WG1103312
Isopropylbenzene	U		0.000272	0.00112	1	04/26/2018 20:45	WG1103312
p-Isopropyltoluene	U		0.000229	0.00112	1	04/26/2018 20:45	WG1103312
2-Butanone (MEK)	U		0.00524	0.0112	1	04/26/2018 20:45	WG1103312
Methylene Chloride	U		0.00112	0.00560	1	04/26/2018 20:45	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	04/26/2018 20:45	WG1103312

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000238	0.00112	1	04/26/2018 20:45	WG1103312
Naphthalene	U		0.00112	0.00560	1	04/26/2018 20:45	WG1103312
n-Propylbenzene	U		0.000231	0.00112	1	04/26/2018 20:45	WG1103312
Styrene	U		0.000262	0.00112	1	04/26/2018 20:45	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	04/26/2018 20:45	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	04/26/2018 20:45	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	04/26/2018 20:45	WG1103312
Tetrachloroethene	U		0.000309	0.00112	1	04/26/2018 20:45	WG1103312
Toluene	U		0.000486	0.00560	1	04/26/2018 20:45	WG1103312
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	04/26/2018 20:45	WG1103312
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	04/26/2018 20:45	WG1103312
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/26/2018 20:45	WG1103312
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/26/2018 20:45	WG1103312
Trichloroethene	U		0.000313	0.00112	1	04/26/2018 20:45	WG1103312
Trichlorofluoromethane	U		0.000428	0.00560	1	04/26/2018 20:45	WG1103312
1,2,3-Trichloropropane	U		0.000830	0.00280	1	04/26/2018 20:45	WG1103312
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/26/2018 20:45	WG1103312
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	04/26/2018 20:45	WG1103312
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	04/26/2018 20:45	WG1103312
Vinyl acetate	U		0.00268	0.0112	1	04/26/2018 20:45	WG1103312
Vinyl chloride	U		0.000326	0.00112	1	04/26/2018 20:45	WG1103312
Xylenes, Total	U		0.000782	0.00336	1	04/26/2018 20:45	WG1103312
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 20:45*	WG1103312
(S) Dibromofluoromethane	*93.3*			*74.0-131*		*04/26/2018 20:45*	WG1103312
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*04/26/2018 20:45*	WG1103312

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	04/26/2018 11:13	WG1103333

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0114	0.0572	1	04/26/2018 21:06	WG1103312	
Acrylonitrile	U		0.00205	0.0114	1	04/26/2018 21:06	WG1103312	
Benzene	U		0.000309	0.00114	1	04/26/2018 21:06	WG1103312	
Bromobenzene	U		0.000325	0.00114	1	04/26/2018 21:06	WG1103312	
Bromodichloromethane	U		0.000291	0.00114	1	04/26/2018 21:06	WG1103312	
Bromochloromethane	U		0.000446	0.00572	1	04/26/2018 21:06	WG1103312	
Bromoform	U		0.000485	0.00114	1	04/26/2018 21:06	WG1103312	
Bromomethane	U		0.00153	0.00572	1	04/26/2018 21:06	WG1103312	
n-Butylbenzene	U		0.000295	0.00114	1	04/26/2018 21:06	WG1103312	
sec-Butylbenzene	U		0.000230	0.00114	1	04/26/2018 21:06	WG1103312	
tert-Butylbenzene	U		0.000236	0.00114	1	04/26/2018 21:06	WG1103312	
Carbon disulfide	0.000285 J	J	0.000253	0.00114	1	04/26/2018 21:06	WG1103312	
Carbon tetrachloride	U		0.000375	0.00114	1	04/26/2018 21:06	WG1103312	
Chlorobenzene	U		0.000242	0.00114	1	04/26/2018 21:06	WG1103312	
Chlorodibromomethane	U		0.000427	0.00114	1	04/26/2018 21:06	WG1103312	
Chloroethane	U UJ	J0	0.00108	0.00572	1	04/26/2018 21:06	WG1103312	
Chloroform	U		0.000262	0.00572	1	04/26/2018 21:06	WG1103312	
Chloromethane	U		0.000429	0.00286	1	04/26/2018 21:06	WG1103312	
2-Chlorotoluene	U		0.000344	0.00114	1	04/26/2018 21:06	WG1103312	
4-Chlorotoluene	U		0.000275	0.00114	1	04/26/2018 21:06	WG1103312	
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	04/26/2018 21:06	WG1103312	
1,2-Dibromoethane	U		0.000392	0.00114	1	04/26/2018 21:06	WG1103312	
Dibromomethane	U		0.000437	0.00114	1	04/26/2018 21:06	WG1103312	
1,2-Dichlorobenzene	U		0.000349	0.00114	1	04/26/2018 21:06	WG1103312	
1,3-Dichlorobenzene	U		0.000273	0.00114	1	04/26/2018 21:06	WG1103312	
1,4-Dichlorobenzene	U		0.000258	0.00114	1	04/26/2018 21:06	WG1103312	
Dichlorodifluoromethane	U UJ	J0	0.000816	0.00572	1	04/26/2018 21:06	WG1103312	
1,1-Dichloroethane	U		0.000228	0.00114	1	04/26/2018 21:06	WG1103312	
1,2-Dichloroethane	U		0.000303	0.00114	1	04/26/2018 21:06	WG1103312	
1,1-Dichloroethene	U		0.000347	0.00114	1	04/26/2018 21:06	WG1103312	
cis-1,2-Dichloroethene	0.00237		0.000269	0.00114	1	04/26/2018 21:06	WG1103312	
trans-1,2-Dichloroethene	U		0.000302	0.00114	1	04/26/2018 21:06	WG1103312	
1,2-Dichloropropane	U		0.000409	0.00114	1	04/26/2018 21:06	WG1103312	
1,1-Dichloropropene	U		0.000363	0.00114	1	04/26/2018 21:06	WG1103312	
1,3-Dichloropropane	U		0.000237	0.00114	1	04/26/2018 21:06	WG1103312	
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	04/26/2018 21:06	WG1103312	
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	04/26/2018 21:06	WG1103312	
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	04/26/2018 21:06	WG1103312	
2,2-Dichloropropane	U		0.000319	0.00114	1	04/26/2018 21:06	WG1103312	
Di-isopropyl ether	U		0.000284	0.00114	1	04/26/2018 21:06	WG1103312	
Ethylbenzene	U		0.000340	0.00114	1	04/26/2018 21:06	WG1103312	
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	04/26/2018 21:06	WG1103312	
2-Hexanone	U	J3	0.00157	0.0114	1	04/26/2018 21:06	WG1103312	
n-Hexane	U		0.000332	0.0114	1	04/26/2018 21:06	WG1103312	
Iodomethane	U		0.00289	0.0114	1	04/26/2018 21:06	WG1103312	
Isopropylbenzene	U		0.000278	0.00114	1	04/26/2018 21:06	WG1103312	
p-Isopropyltoluene	U		0.000233	0.00114	1	04/26/2018 21:06	WG1103312	
2-Butanone (MEK)	U		0.00535	0.0114	1	04/26/2018 21:06	WG1103312	JC 5/13/18
Methylene Chloride	U		0.00114	0.00572	1	04/26/2018 21:06	WG1103312	
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	04/26/2018 21:06	WG1103312	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	04/26/2018 21:06	WG1103312
Naphthalene	U		0.00114	0.00572	1	04/26/2018 21:06	WG1103312
n-Propylbenzene	U		0.000236	0.00114	1	04/26/2018 21:06	WG1103312
Styrene	U		0.000268	0.00114	1	04/26/2018 21:06	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	04/26/2018 21:06	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	04/26/2018 21:06	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	04/26/2018 21:06	WG1103312
Tetrachloroethene	U		0.000316	0.00114	1	04/26/2018 21:06	WG1103312
Toluene	U		0.000496	0.00572	1	04/26/2018 21:06	WG1103312
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	04/26/2018 21:06	WG1103312
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	04/26/2018 21:06	WG1103312
1,1,1-Trichloroethane	U		0.000327	0.00114	1	04/26/2018 21:06	WG1103312
1,1,2-Trichloroethane	U		0.000317	0.00114	1	04/26/2018 21:06	WG1103312
Trichloroethene	U		0.000319	0.00114	1	04/26/2018 21:06	WG1103312
Trichlorofluoromethane	U		0.000437	0.00572	1	04/26/2018 21:06	WG1103312
1,2,3-Trichloropropane	U		0.000848	0.00286	1	04/26/2018 21:06	WG1103312
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	04/26/2018 21:06	WG1103312
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	04/26/2018 21:06	WG1103312
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	04/26/2018 21:06	WG1103312
Vinyl acetate	U		0.00273	0.0114	1	04/26/2018 21:06	WG1103312
Vinyl chloride	0.0123		0.000333	0.00114	1	04/26/2018 21:06	WG1103312
Xylenes, Total	U		0.000798	0.00343	1	04/26/2018 21:06	WG1103312
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 21:06*	WG1103312
(S) Dibromofluoromethane	*95.9*			*74.0-131*		*04/26/2018 21:06*	WG1103312
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*04/26/2018 21:06*	WG1103312

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	04/26/2018 10:54	WG1103334

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U UJ	J0	0.0112	0.0559	1	04/26/2018 21:27	WG1103312	
Acrylonitrile	U		0.00200	0.0112	1	04/26/2018 21:27	WG1103312	
Benzene	U		0.000302	0.00112	1	04/26/2018 21:27	WG1103312	
Bromobenzene	U		0.000317	0.00112	1	04/26/2018 21:27	WG1103312	
Bromodichloromethane	U		0.000284	0.00112	1	04/26/2018 21:27	WG1103312	
Bromochloromethane	U		0.000436	0.00559	1	04/26/2018 21:27	WG1103312	
Bromoform	U		0.000474	0.00112	1	04/26/2018 21:27	WG1103312	
Bromomethane	U		0.00150	0.00559	1	04/26/2018 21:27	WG1103312	
n-Butylbenzene	U		0.000288	0.00112	1	04/26/2018 21:27	WG1103312	
sec-Butylbenzene	U		0.000225	0.00112	1	04/26/2018 21:27	WG1103312	
tert-Butylbenzene	U		0.000230	0.00112	1	04/26/2018 21:27	WG1103312	
Carbon disulfide	0.000400 J	J	0.000247	0.00112	1	04/26/2018 21:27	WG1103312	
Carbon tetrachloride	U		0.000367	0.00112	1	04/26/2018 21:27	WG1103312	
Chlorobenzene	U		0.000237	0.00112	1	04/26/2018 21:27	WG1103312	
Chlorodibromomethane	U		0.000417	0.00112	1	04/26/2018 21:27	WG1103312	
Chloroethane	U UJ	J0	0.00106	0.00559	1	04/26/2018 21:27	WG1103312	
Chloroform	U		0.000256	0.00559	1	04/26/2018 21:27	WG1103312	
Chloromethane	0.000478 J	J	0.000419	0.00279	1	04/26/2018 21:27	WG1103312	
2-Chlorotoluene	U		0.000336	0.00112	1	04/26/2018 21:27	WG1103312	
4-Chlorotoluene	U		0.000268	0.00112	1	04/26/2018 21:27	WG1103312	
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	04/26/2018 21:27	WG1103312	
1,2-Dibromoethane	U		0.000383	0.00112	1	04/26/2018 21:27	WG1103312	
Dibromomethane	U		0.000427	0.00112	1	04/26/2018 21:27	WG1103312	
1,2-Dichlorobenzene	U		0.000341	0.00112	1	04/26/2018 21:27	WG1103312	
1,3-Dichlorobenzene	U		0.000267	0.00112	1	04/26/2018 21:27	WG1103312	
1,4-Dichlorobenzene	U		0.000253	0.00112	1	04/26/2018 21:27	WG1103312	
Dichlorodifluoromethane	U UJ	J0	0.000797	0.00559	1	04/26/2018 21:27	WG1103312	
1,1-Dichloroethane	U		0.000222	0.00112	1	04/26/2018 21:27	WG1103312	
1,2-Dichloroethane	U		0.000296	0.00112	1	04/26/2018 21:27	WG1103312	
1,1-Dichloroethene	U		0.000339	0.00112	1	04/26/2018 21:27	WG1103312	
cis-1,2-Dichloroethene	0.00249		0.000263	0.00112	1	04/26/2018 21:27	WG1103312	
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	04/26/2018 21:27	WG1103312	
1,2-Dichloropropane	U		0.000400	0.00112	1	04/26/2018 21:27	WG1103312	
1,1-Dichloropropene	U		0.000354	0.00112	1	04/26/2018 21:27	WG1103312	
1,3-Dichloropropane	U		0.000231	0.00112	1	04/26/2018 21:27	WG1103312	
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	04/26/2018 21:27	WG1103312	
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/26/2018 21:27	WG1103312	
trans-1,4-Dichloro-2-butene	U		0.000870	0.00279	1	04/26/2018 21:27	WG1103312	
2,2-Dichloropropane	U		0.000312	0.00112	1	04/26/2018 21:27	WG1103312	JC 5/13/18
Di-isopropyl ether	U		0.000277	0.00112	1	04/26/2018 21:27	WG1103312	
Ethylbenzene	U		0.000332	0.00112	1	04/26/2018 21:27	WG1103312	
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	04/26/2018 21:27	WG1103312	
2-Hexanone	U	J3	0.00153	0.0112	1	04/26/2018 21:27	WG1103312	
n-Hexane	0.000943 J	J	0.000324	0.0112	1	04/26/2018 21:27	WG1103312	
Iodomethane	U		0.00283	0.0112	1	04/26/2018 21:27	WG1103312	
Isopropylbenzene	U		0.000272	0.00112	1	04/26/2018 21:27	WG1103312	
p-Isopropyltoluene	U		0.000228	0.00112	1	04/26/2018 21:27	WG1103312	
2-Butanone (MEK)	U		0.00523	0.0112	1	04/26/2018 21:27	WG1103312	
Methylene Chloride	U		0.00112	0.00559	1	04/26/2018 21:27	WG1103312	
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/26/2018 21:27	WG1103312	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000237	0.00112	1	04/26/2018 21:27	WG1103312
Naphthalene	U		0.00112	0.00559	1	04/26/2018 21:27	WG1103312
n-Propylbenzene	U		0.000230	0.00112	1	04/26/2018 21:27	WG1103312
Styrene	U		0.000262	0.00112	1	04/26/2018 21:27	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	04/26/2018 21:27	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	04/26/2018 21:27	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	04/26/2018 21:27	WG1103312
Tetrachloroethene	U		0.000309	0.00112	1	04/26/2018 21:27	WG1103312
Toluene	U		0.000485	0.00559	1	04/26/2018 21:27	WG1103312
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	04/26/2018 21:27	WG1103312
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	04/26/2018 21:27	WG1103312
1,1,1-Trichloroethane	U		0.000320	0.00112	1	04/26/2018 21:27	WG1103312
1,1,2-Trichloroethane	U		0.000310	0.00112	1	04/26/2018 21:27	WG1103312
Trichloroethene	U		0.000312	0.00112	1	04/26/2018 21:27	WG1103312
Trichlorofluoromethane	U		0.000427	0.00559	1	04/26/2018 21:27	WG1103312
1,2,3-Trichloropropane	U		0.000828	0.00279	1	04/26/2018 21:27	WG1103312
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	04/26/2018 21:27	WG1103312
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	04/26/2018 21:27	WG1103312
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/26/2018 21:27	WG1103312
Vinyl acetate	U		0.00267	0.0112	1	04/26/2018 21:27	WG1103312
Vinyl chloride	0.00344		0.000325	0.00112	1	04/26/2018 21:27	WG1103312
Xylenes, Total	U		0.000780	0.00335	1	04/26/2018 21:27	WG1103312
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 21:27*	WG1103312
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*04/26/2018 21:27*	WG1103312
(S) 4-Bromofluorobenzene	*95.7*			*64.0-132*		*04/26/2018 21:27*	WG1103312

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	04/26/2018 10:54	WG1103334

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U UJ	J0	0.0108	0.0541	1	04/26/2018 21:48	WG1103312
Acrylonitrile	U		0.00194	0.0108	1	04/26/2018 21:48	WG1103312
Benzene	U		0.000292	0.00108	1	04/26/2018 21:48	WG1103312
Bromobenzene	U		0.000307	0.00108	1	04/26/2018 21:48	WG1103312
Bromodichloromethane	U		0.000275	0.00108	1	04/26/2018 21:48	WG1103312
Bromochloromethane	U		0.000422	0.00541	1	04/26/2018 21:48	WG1103312
Bromoform	U		0.000459	0.00108	1	04/26/2018 21:48	WG1103312
Bromomethane	U		0.00145	0.00541	1	04/26/2018 21:48	WG1103312
n-Butylbenzene	U		0.000279	0.00108	1	04/26/2018 21:48	WG1103312
sec-Butylbenzene	U		0.000218	0.00108	1	04/26/2018 21:48	WG1103312
tert-Butylbenzene	U		0.000223	0.00108	1	04/26/2018 21:48	WG1103312
Carbon disulfide	0.000540 J	J	0.000239	0.00108	1	04/26/2018 21:48	WG1103312
Carbon tetrachloride	U		0.000355	0.00108	1	04/26/2018 21:48	WG1103312
Chlorobenzene	U		0.000229	0.00108	1	04/26/2018 21:48	WG1103312
Chlorodibromomethane	U		0.000404	0.00108	1	04/26/2018 21:48	WG1103312
Chloroethane	U UJ	J0	0.00102	0.00541	1	04/26/2018 21:48	WG1103312
Chloroform	U		0.000248	0.00541	1	04/26/2018 21:48	WG1103312
Chloromethane	0.00105 J	J	0.000406	0.00271	1	04/26/2018 21:48	WG1103312
2-Chlorotoluene	U		0.000326	0.00108	1	04/26/2018 21:48	WG1103312
4-Chlorotoluene	U		0.000260	0.00108	1	04/26/2018 21:48	WG1103312
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	04/26/2018 21:48	WG1103312
1,2-Dibromoethane	U		0.000371	0.00108	1	04/26/2018 21:48	WG1103312
Dibromomethane	U		0.000413	0.00108	1	04/26/2018 21:48	WG1103312
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/26/2018 21:48	WG1103312
1,3-Dichlorobenzene	U		0.000259	0.00108	1	04/26/2018 21:48	WG1103312
1,4-Dichlorobenzene	U		0.000245	0.00108	1	04/26/2018 21:48	WG1103312
Dichlorodifluoromethane	U UJ	J0	0.000772	0.00541	1	04/26/2018 21:48	WG1103312
1,1-Dichloroethane	U		0.000215	0.00108	1	04/26/2018 21:48	WG1103312
1,2-Dichloroethane	U		0.000287	0.00108	1	04/26/2018 21:48	WG1103312
1,1-Dichloroethene	U		0.000328	0.00108	1	04/26/2018 21:48	WG1103312
cis-1,2-Dichloroethene	0.00164		0.000254	0.00108	1	04/26/2018 21:48	WG1103312
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/26/2018 21:48	WG1103312
1,2-Dichloropropane	U		0.000388	0.00108	1	04/26/2018 21:48	WG1103312
1,1-Dichloropropene	U		0.000343	0.00108	1	04/26/2018 21:48	WG1103312
1,3-Dichloropropane	U		0.000224	0.00108	1	04/26/2018 21:48	WG1103312
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	04/26/2018 21:48	WG1103312
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/26/2018 21:48	WG1103312
trans-1,4-Dichloro-2-butene	U		0.000842	0.00271	1	04/26/2018 21:48	WG1103312
2,2-Dichloropropane	U		0.000302	0.00108	1	04/26/2018 21:48	WG1103312
Di-isopropyl ether	U		0.000268	0.00108	1	04/26/2018 21:48	WG1103312
Ethylbenzene	U		0.000321	0.00108	1	04/26/2018 21:48	WG1103312
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	04/26/2018 21:48	WG1103312
2-Hexanone	U	J3	0.00148	0.0108	1	04/26/2018 21:48	WG1103312
n-Hexane	0.00202 J	J	0.000314	0.0108	1	04/26/2018 21:48	WG1103312
Iodomethane	U		0.00274	0.0108	1	04/26/2018 21:48	WG1103312
Isopropylbenzene	U		0.000263	0.00108	1	04/26/2018 21:48	WG1103312
p-Isopropyltoluene	U		0.000221	0.00108	1	04/26/2018 21:48	WG1103312
2-Butanone (MEK)	U		0.00507	0.0108	1	04/26/2018 21:48	WG1103312
Methylene Chloride	U		0.00108	0.00541	1	04/26/2018 21:48	WG1103312
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	04/26/2018 21:48	WG1103312

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/26/2018 21:48	WG1103312
Naphthalene	U		0.00108	0.00541	1	04/26/2018 21:48	WG1103312
n-Propylbenzene	U		0.000223	0.00108	1	04/26/2018 21:48	WG1103312
Styrene	U		0.000253	0.00108	1	04/26/2018 21:48	WG1103312
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/26/2018 21:48	WG1103312
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/26/2018 21:48	WG1103312
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/26/2018 21:48	WG1103312
Tetrachloroethene	U		0.000299	0.00108	1	04/26/2018 21:48	WG1103312
Toluene	U		0.000470	0.00541	1	04/26/2018 21:48	WG1103312
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/26/2018 21:48	WG1103312
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/26/2018 21:48	WG1103312
1,1,1-Trichloroethane	U		0.000310	0.00108	1	04/26/2018 21:48	WG1103312
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/26/2018 21:48	WG1103312
Trichloroethene	U		0.000302	0.00108	1	04/26/2018 21:48	WG1103312
Trichlorofluoromethane	U		0.000413	0.00541	1	04/26/2018 21:48	WG1103312
1,2,3-Trichloropropane	U		0.000802	0.00271	1	04/26/2018 21:48	WG1103312
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/26/2018 21:48	WG1103312
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	04/26/2018 21:48	WG1103312
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/26/2018 21:48	WG1103312
Vinyl acetate	U		0.00259	0.0108	1	04/26/2018 21:48	WG1103312
Vinyl chloride	0.00310		0.000315	0.00108	1	04/26/2018 21:48	WG1103312
Xylenes, Total	U		0.000756	0.00325	1	04/26/2018 21:48	WG1103312
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 21:48*	WG1103312
(S) Dibromofluoromethane	*92.4*			*74.0-131*		*04/26/2018 21:48*	WG1103312
(S) 4-Bromofluorobenzene	*92.6*			*64.0-132*		*04/26/2018 21:48*	WG1103312

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/24/2018 15:16	WG1102311
Acrylonitrile	U		0.873	5.00	1	04/24/2018 15:16	WG1102311
Benzene	U		0.0896	0.500	1	04/24/2018 15:16	WG1102311
Bromobenzene	U		0.133	0.500	1	04/24/2018 15:16	WG1102311
Bromodichloromethane	U		0.0800	0.500	1	04/24/2018 15:16	WG1102311
Bromochloromethane	U		0.145	0.500	1	04/24/2018 15:16	WG1102311
Bromoform	U		0.186	0.500	1	04/24/2018 15:16	WG1102311
Bromomethane	U		0.157	2.50	1	04/24/2018 15:16	WG1102311
n-Butylbenzene	U		0.143	0.500	1	04/24/2018 15:16	WG1102311
sec-Butylbenzene	U		0.134	0.500	1	04/24/2018 15:16	WG1102311
tert-Butylbenzene	U		0.183	0.500	1	04/24/2018 15:16	WG1102311
Carbon disulfide	U		0.101	0.500	1	04/24/2018 15:16	WG1102311
Carbon tetrachloride	U		0.159	0.500	1	04/24/2018 15:16	WG1102311
Chlorobenzene	U		0.140	0.500	1	04/24/2018 15:16	WG1102311
Chlorodibromomethane	U		0.128	0.500	1	04/24/2018 15:16	WG1102311
Chloroethane	U		0.141	2.50	1	04/24/2018 15:16	WG1102311
Chloroform	U		0.0860	0.500	1	04/24/2018 15:16	WG1102311
Chloromethane	U		0.153	1.25	1	04/24/2018 15:16	WG1102311
2-Chlorotoluene	U		0.111	0.500	1	04/24/2018 15:16	WG1102311
4-Chlorotoluene	U		0.0972	0.500	1	04/24/2018 15:16	WG1102311
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/24/2018 15:16	WG1102311
1,2-Dibromoethane	U		0.193	0.500	1	04/24/2018 15:16	WG1102311
Dibromomethane	U		0.117	0.500	1	04/24/2018 15:16	WG1102311
1,2-Dichlorobenzene	U		0.101	0.500	1	04/24/2018 15:16	WG1102311
1,3-Dichlorobenzene	U		0.130	0.500	1	04/24/2018 15:16	WG1102311
1,4-Dichlorobenzene	U		0.121	0.500	1	04/24/2018 15:16	WG1102311
Dichlorodifluoromethane	U		0.127	2.50	1	04/24/2018 15:16	WG1102311
1,1-Dichloroethane	U		0.114	0.500	1	04/24/2018 15:16	WG1102311
1,2-Dichloroethane	U		0.108	0.500	1	04/24/2018 15:16	WG1102311
1,1-Dichloroethene	U		0.188	0.500	1	04/24/2018 15:16	WG1102311
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/24/2018 15:16	WG1102311
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/24/2018 15:16	WG1102311
1,2-Dichloropropane	U		0.190	0.500	1	04/24/2018 15:16	WG1102311
1,1-Dichloropropene	U		0.128	0.500	1	04/24/2018 15:16	WG1102311
1,3-Dichloropropane	U		0.147	1.00	1	04/24/2018 15:16	WG1102311
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/24/2018 15:16	WG1102311
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/24/2018 15:16	WG1102311
trans-1,4-Dichloro-2-butene	U	UJ	J0 J4	0.257	5.00	1	04/24/2018 15:16	WG1102311
2,2-Dichloropropane	U		0.0929	0.500	1	04/24/2018 15:16	WG1102311
Di-isopropyl ether	U		0.0924	0.500	1	04/24/2018 15:16	WG1102311
Ethylbenzene	U		0.158	0.500	1	04/24/2018 15:16	WG1102311
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/24/2018 15:16	WG1102311
2-Hexanone	U		0.757	5.00	1	04/24/2018 15:16	WG1102311
n-Hexane	U		0.305	5.00	1	04/24/2018 15:16	WG1102311
Iodomethane	U		0.377	10.0	1	04/24/2018 15:16	WG1102311
Isopropylbenzene	U		0.126	0.500	1	04/24/2018 15:16	WG1102311
p-Isopropyltoluene	U		0.138	0.500	1	04/24/2018 15:16	WG1102311
2-Butanone (MEK)	U		1.28	5.00	1	04/24/2018 15:16	WG1102311
Methylene Chloride	U		1.07	2.50	1	04/24/2018 15:16	WG1102311
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/24/2018 15:16	WG1102311
Methyl tert-butyl ether	U		0.102	0.500	1	04/24/2018 15:16	WG1102311
Naphthalene	U		0.174	2.50	1	04/24/2018 15:16	WG1102311
n-Propylbenzene	U		0.162	0.500	1	04/24/2018 15:16	WG1102311
Styrene	U		0.117	0.500	1	04/24/2018 15:16	WG1102311
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/24/2018 15:16	WG1102311
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/24/2018 15:16	WG1102311

JC 5/13/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/24/2018 15:16	WG1102311
Tetrachloroethene	U		0.199	0.500	1	04/24/2018 15:16	WG1102311
Toluene	U		0.412	0.500	1	04/24/2018 15:16	WG1102311
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/24/2018 15:16	WG1102311
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/24/2018 15:16	WG1102311
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/24/2018 15:16	WG1102311
1,1,2-Trichloroethane	U		0.186	0.500	1	04/24/2018 15:16	WG1102311
Trichloroethene	U		0.153	0.500	1	04/24/2018 15:16	WG1102311
Trichlorofluoromethane	U		0.130	2.50	1	04/24/2018 15:16	WG1102311
1,2,3-Trichloropropane	U		0.247	2.50	1	04/24/2018 15:16	WG1102311
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/24/2018 15:16	WG1102311
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/24/2018 15:16	WG1102311
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/24/2018 15:16	WG1102311
Vinyl acetate	U		0.645	5.00	1	04/24/2018 15:16	WG1102311
Vinyl chloride	U		0.118	0.500	1	04/24/2018 15:16	WG1102311
Xylenes, Total	U		0.316	1.50	1	04/24/2018 15:16	WG1102311
(S) Toluene-d8	*96.3*			*80.0-120*		*04/24/2018 15:16*	WG1102311
(S) Dibromofluoromethane	*116*			*76.0-123*		*04/24/2018 15:16*	WG1102311
(S) 4-Bromofluorobenzene	*87.4*			*80.0-120*		*04/24/2018 15:16*	WG1102311

JC 5/13/18

ANALYTICAL REPORT

April 30, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L988671
Samples Received:	04/25/2018
Project Number:	
Description:	

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

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B-910-20 L988671-01 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/23/18 15:45	04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 15:45	04/30/18 00:27	JAH

B-248-90 L988671-02 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/23/18 13:25	04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 13:25	04/30/18 00:48	JAH

B-248-85 L988671-03 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/23/18 13:12	04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 13:12	04/30/18 01:10	JAH

B-248-100 L988671-04 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/23/18 13:40	04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104038	1	04/27/18 13:45	04/27/18 13:57	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 13:40	04/30/18 06:54	JAH

B-248-105 L988671-05 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/23/18 13:45	04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104038	1	04/27/18 13:45	04/27/18 13:57	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 13:45	04/30/18 07:15	JAH

B-248-80 L988671-06 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/23/18 12:50	04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104038	1	04/27/18 13:45	04/27/18 13:57	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 12:50	04/28/18 16:40	BMB

B-248-95 L988671-07 Solid

Collected by	Collected date/time	Received date/time
Rachel McLaughlin	04/23/18 13:30	04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104038	1	04/27/18 13:45	04/27/18 13:57	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 13:30	04/30/18 07:36	JAH

B-248-55 L988671-08 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/23/18 11:08
Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104038	1	04/27/18 13:45	04/27/18 13:57	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 11:08	04/30/18 08:20	JAH

B-248-115 L988671-09 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/23/18 14:21
Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104038	1	04/27/18 13:45	04/27/18 13:57	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 14:21	04/28/18 17:39	BMB

B-248-30 L988671-10 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/23/18 10:10
Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104038	1	04/27/18 13:45	04/27/18 13:57	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 10:10	04/28/18 17:58	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0125	J	0.0123	0.0617	1	04/30/2018 00:27	WG1104137
Acrylonitrile	U		0.00221	0.0123	1	04/30/2018 00:27	WG1104137
Benzene	U		0.000333	0.00123	1	04/30/2018 00:27	WG1104137
Bromobenzene	U		0.000350	0.00123	1	04/30/2018 00:27	WG1104137
Bromodichloromethane	U		0.000313	0.00123	1	04/30/2018 00:27	WG1104137
Bromochloromethane	U		0.000481	0.00617	1	04/30/2018 00:27	WG1104137
Bromoform	U		0.000523	0.00123	1	04/30/2018 00:27	WG1104137
Bromomethane	U	J0	0.00165	0.00617	1	04/30/2018 00:27	WG1104137
n-Butylbenzene	U		0.000318	0.00123	1	04/30/2018 00:27	WG1104137
sec-Butylbenzene	U		0.000248	0.00123	1	04/30/2018 00:27	WG1104137
tert-Butylbenzene	U		0.000254	0.00123	1	04/30/2018 00:27	WG1104137
Carbon disulfide	U		0.000273	0.00123	1	04/30/2018 00:27	WG1104137
Carbon tetrachloride	U		0.000405	0.00123	1	04/30/2018 00:27	WG1104137
Chlorobenzene	U	J4	0.000262	0.00123	1	04/30/2018 00:27	WG1104137
Chlorodibromomethane	U		0.000460	0.00123	1	04/30/2018 00:27	WG1104137
Chloroethane	U		0.00117	0.00617	1	04/30/2018 00:27	WG1104137
Chloroform	U		0.000283	0.00617	1	04/30/2018 00:27	WG1104137
Chloromethane	U	J0	0.000463	0.00309	1	04/30/2018 00:27	WG1104137
2-Chlorotoluene	U		0.000371	0.00123	1	04/30/2018 00:27	WG1104137
4-Chlorotoluene	U		0.000296	0.00123	1	04/30/2018 00:27	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00617	1	04/30/2018 00:27	WG1104137
1,2-Dibromoethane	U		0.000423	0.00123	1	04/30/2018 00:27	WG1104137
Dibromomethane	U		0.000471	0.00123	1	04/30/2018 00:27	WG1104137
1,2-Dichlorobenzene	U		0.000376	0.00123	1	04/30/2018 00:27	WG1104137
1,3-Dichlorobenzene	U		0.000295	0.00123	1	04/30/2018 00:27	WG1104137
1,4-Dichlorobenzene	U		0.000279	0.00123	1	04/30/2018 00:27	WG1104137
Dichlorodifluoromethane	U		0.000880	0.00617	1	04/30/2018 00:27	WG1104137
1,1-Dichloroethane	U		0.000246	0.00123	1	04/30/2018 00:27	WG1104137
1,2-Dichloroethane	U		0.000327	0.00123	1	04/30/2018 00:27	WG1104137
1,1-Dichloroethene	U		0.000374	0.00123	1	04/30/2018 00:27	WG1104137
cis-1,2-Dichloroethene	U		0.000290	0.00123	1	04/30/2018 00:27	WG1104137
trans-1,2-Dichloroethene	U		0.000326	0.00123	1	04/30/2018 00:27	WG1104137
1,2-Dichloropropane	U		0.000442	0.00123	1	04/30/2018 00:27	WG1104137
1,1-Dichloropropene	U		0.000391	0.00123	1	04/30/2018 00:27	WG1104137
1,3-Dichloropropane	U		0.000255	0.00123	1	04/30/2018 00:27	WG1104137
cis-1,3-Dichloropropene	U		0.000323	0.00123	1	04/30/2018 00:27	WG1104137
trans-1,3-Dichloropropene	U		0.000330	0.00123	1	04/30/2018 00:27	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000960	0.00309	1	04/30/2018 00:27	WG1104137
2,2-Dichloropropane	U		0.000344	0.00123	1	04/30/2018 00:27	WG1104137
Di-isopropyl ether	U		0.000306	0.00123	1	04/30/2018 00:27	WG1104137
Ethylbenzene	U		0.000367	0.00123	1	04/30/2018 00:27	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000422	0.00123	1	04/30/2018 00:27	WG1104137
2-Hexanone	U		0.00169	0.0123	1	04/30/2018 00:27	WG1104137
n-Hexane	U		0.000358	0.0123	1	04/30/2018 00:27	WG1104137
Iodomethane	U		0.00312	0.0123	1	04/30/2018 00:27	WG1104137
Isopropylbenzene	U		0.000300	0.00123	1	04/30/2018 00:27	WG1104137
p-Isopropyltoluene	U		0.000252	0.00123	1	04/30/2018 00:27	WG1104137
2-Butanone (MEK)	U		0.00578	0.0123	1	04/30/2018 00:27	WG1104137
Methylene Chloride	U		0.00123	0.00617	1	04/30/2018 00:27	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0123	1	04/30/2018 00:27	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000262	0.00123	1	04/30/2018 00:27	WG1104137
Naphthalene	U		0.00123	0.00617	1	04/30/2018 00:27	WG1104137
n-Propylbenzene	U		0.000254	0.00123	1	04/30/2018 00:27	WG1104137
Styrene	U		0.000289	0.00123	1	04/30/2018 00:27	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000326	0.00123	1	04/30/2018 00:27	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000450	0.00123	1	04/30/2018 00:27	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000450	0.00123	1	04/30/2018 00:27	WG1104137
Tetrachloroethene	U		0.000341	0.00123	1	04/30/2018 00:27	WG1104137
Toluene	U		0.000536	0.00617	1	04/30/2018 00:27	WG1104137
1,2,3-Trichlorobenzene	U		0.000378	0.00123	1	04/30/2018 00:27	WG1104137
1,2,4-Trichlorobenzene	U		0.000479	0.00123	1	04/30/2018 00:27	WG1104137
1,1,1-Trichloroethane	U		0.000353	0.00123	1	04/30/2018 00:27	WG1104137
1,1,2-Trichloroethane	U		0.000342	0.00123	1	04/30/2018 00:27	WG1104137
Trichloroethene	U	J4	0.000344	0.00123	1	04/30/2018 00:27	WG1104137
Trichlorofluoromethane	U		0.000471	0.00617	1	04/30/2018 00:27	WG1104137
1,2,3-Trichloropropane	U		0.000914	0.00309	1	04/30/2018 00:27	WG1104137
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	04/30/2018 00:27	WG1104137
1,2,3-Trimethylbenzene	U		0.000354	0.00123	1	04/30/2018 00:27	WG1104137
1,3,5-Trimethylbenzene	U		0.000328	0.00123	1	04/30/2018 00:27	WG1104137
Vinyl acetate	U	J4	0.00295	0.0123	1	04/30/2018 00:27	WG1104137
Vinyl chloride	0.000581	J	0.000359	0.00123	1	04/30/2018 00:27	WG1104137
Xylenes, Total	U	J4	0.000861	0.00370	1	04/30/2018 00:27	WG1104137
(S) Toluene-d8	*102*			*80.0-120*		*04/30/2018 00:27*	WG1104137
(S) Dibromofluoromethane	*91.8*			*74.0-131*		*04/30/2018 00:27*	WG1104137
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*04/30/2018 00:27*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0120	0.0598	1	04/30/2018 00:48	WG1104137
Acrylonitrile	U		0.00214	0.0120	1	04/30/2018 00:48	WG1104137
Benzene	U		0.000323	0.00120	1	04/30/2018 00:48	WG1104137
Bromobenzene	U		0.000340	0.00120	1	04/30/2018 00:48	WG1104137
Bromodichloromethane	U		0.000304	0.00120	1	04/30/2018 00:48	WG1104137
Bromochloromethane	U		0.000466	0.00598	1	04/30/2018 00:48	WG1104137
Bromoform	U		0.000507	0.00120	1	04/30/2018 00:48	WG1104137
Bromomethane	U	J0	0.00160	0.00598	1	04/30/2018 00:48	WG1104137
n-Butylbenzene	U		0.000309	0.00120	1	04/30/2018 00:48	WG1104137
sec-Butylbenzene	U		0.000240	0.00120	1	04/30/2018 00:48	WG1104137
tert-Butylbenzene	U		0.000246	0.00120	1	04/30/2018 00:48	WG1104137
Carbon disulfide	0.000323	J	0.000264	0.00120	1	04/30/2018 00:48	WG1104137
Carbon tetrachloride	U		0.000392	0.00120	1	04/30/2018 00:48	WG1104137
Chlorobenzene	U	J4	0.000254	0.00120	1	04/30/2018 00:48	WG1104137
Chlorodibromomethane	U		0.000446	0.00120	1	04/30/2018 00:48	WG1104137
Chloroethane	U		0.00113	0.00598	1	04/30/2018 00:48	WG1104137
Chloroform	U		0.000274	0.00598	1	04/30/2018 00:48	WG1104137
Chloromethane	U	J0	0.000449	0.00299	1	04/30/2018 00:48	WG1104137
2-Chlorotoluene	U		0.000360	0.00120	1	04/30/2018 00:48	WG1104137
4-Chlorotoluene	U		0.000287	0.00120	1	04/30/2018 00:48	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00598	1	04/30/2018 00:48	WG1104137
1,2-Dibromoethane	U		0.000410	0.00120	1	04/30/2018 00:48	WG1104137
Dibromomethane	U		0.000457	0.00120	1	04/30/2018 00:48	WG1104137
1,2-Dichlorobenzene	U		0.000365	0.00120	1	04/30/2018 00:48	WG1104137
1,3-Dichlorobenzene	U		0.000286	0.00120	1	04/30/2018 00:48	WG1104137
1,4-Dichlorobenzene	U		0.000270	0.00120	1	04/30/2018 00:48	WG1104137
Dichlorodifluoromethane	U		0.000853	0.00598	1	04/30/2018 00:48	WG1104137
1,1-Dichloroethane	U		0.000238	0.00120	1	04/30/2018 00:48	WG1104137
1,2-Dichloroethane	U		0.000317	0.00120	1	04/30/2018 00:48	WG1104137
1,1-Dichloroethene	U		0.000362	0.00120	1	04/30/2018 00:48	WG1104137
cis-1,2-Dichloroethene	0.000415	J	0.000281	0.00120	1	04/30/2018 00:48	WG1104137
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	04/30/2018 00:48	WG1104137
1,2-Dichloropropane	U		0.000428	0.00120	1	04/30/2018 00:48	WG1104137
1,1-Dichloropropene	U		0.000379	0.00120	1	04/30/2018 00:48	WG1104137
1,3-Dichloropropane	U		0.000248	0.00120	1	04/30/2018 00:48	WG1104137
cis-1,3-Dichloropropene	U		0.000313	0.00120	1	04/30/2018 00:48	WG1104137
trans-1,3-Dichloropropene	U		0.000319	0.00120	1	04/30/2018 00:48	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000931	0.00299	1	04/30/2018 00:48	WG1104137
2,2-Dichloropropane	U		0.000334	0.00120	1	04/30/2018 00:48	WG1104137
Di-isopropyl ether	U		0.000297	0.00120	1	04/30/2018 00:48	WG1104137
Ethylbenzene	U		0.000355	0.00120	1	04/30/2018 00:48	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000409	0.00120	1	04/30/2018 00:48	WG1104137
2-Hexanone	U		0.00164	0.0120	1	04/30/2018 00:48	WG1104137
n-Hexane	U		0.000347	0.0120	1	04/30/2018 00:48	WG1104137
Iodomethane	U		0.00303	0.0120	1	04/30/2018 00:48	WG1104137
Isopropylbenzene	U		0.000291	0.00120	1	04/30/2018 00:48	WG1104137
p-Isopropyltoluene	U		0.000244	0.00120	1	04/30/2018 00:48	WG1104137
2-Butanone (MEK)	U		0.00560	0.0120	1	04/30/2018 00:48	WG1104137
Methylene Chloride	U		0.00120	0.00598	1	04/30/2018 00:48	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	04/30/2018 00:48	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000254	0.00120	1	04/30/2018 00:48	WG1104137
Naphthalene	U		0.00120	0.00598	1	04/30/2018 00:48	WG1104137
n-Propylbenzene	U		0.000246	0.00120	1	04/30/2018 00:48	WG1104137
Styrene	U		0.000280	0.00120	1	04/30/2018 00:48	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	04/30/2018 00:48	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	04/30/2018 00:48	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	04/30/2018 00:48	WG1104137
Tetrachloroethene	U		0.000330	0.00120	1	04/30/2018 00:48	WG1104137
Toluene	U		0.000519	0.00598	1	04/30/2018 00:48	WG1104137
1,2,3-Trichlorobenzene	U		0.000366	0.00120	1	04/30/2018 00:48	WG1104137
1,2,4-Trichlorobenzene	U		0.000464	0.00120	1	04/30/2018 00:48	WG1104137
1,1,1-Trichloroethane	U		0.000342	0.00120	1	04/30/2018 00:48	WG1104137
1,1,2-Trichloroethane	U		0.000331	0.00120	1	04/30/2018 00:48	WG1104137
Trichloroethene	U	J4	0.000334	0.00120	1	04/30/2018 00:48	WG1104137
Trichlorofluoromethane	U		0.000457	0.00598	1	04/30/2018 00:48	WG1104137
1,2,3-Trichloropropane	U		0.000886	0.00299	1	04/30/2018 00:48	WG1104137
1,2,4-Trimethylbenzene	U		0.000252	0.00120	1	04/30/2018 00:48	WG1104137
1,2,3-Trimethylbenzene	U		0.000343	0.00120	1	04/30/2018 00:48	WG1104137
1,3,5-Trimethylbenzene	U		0.000318	0.00120	1	04/30/2018 00:48	WG1104137
Vinyl acetate	U	J4	0.00286	0.0120	1	04/30/2018 00:48	WG1104137
Vinyl chloride	U		0.000348	0.00120	1	04/30/2018 00:48	WG1104137
Xylenes, Total	U	J4	0.000835	0.00359	1	04/30/2018 00:48	WG1104137
(S) Toluene-d8	*102*			*80.0-120*		*04/30/2018 00:48*	WG1104137
(S) Dibromofluoromethane	*96.1*			*74.0-131*		*04/30/2018 00:48*	WG1104137
(S) 4-Bromofluorobenzene	*93.8*			*64.0-132*		*04/30/2018 00:48*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0121	0.0607	1	04/30/2018 01:10	WG1104137
Acrylonitrile	U		0.00217	0.0121	1	04/30/2018 01:10	WG1104137
Benzene	U		0.000328	0.00121	1	04/30/2018 01:10	WG1104137
Bromobenzene	U		0.000345	0.00121	1	04/30/2018 01:10	WG1104137
Bromodichloromethane	U		0.000308	0.00121	1	04/30/2018 01:10	WG1104137
Bromochloromethane	U		0.000474	0.00607	1	04/30/2018 01:10	WG1104137
Bromoform	U		0.000515	0.00121	1	04/30/2018 01:10	WG1104137
Bromomethane	U	J0	0.00163	0.00607	1	04/30/2018 01:10	WG1104137
n-Butylbenzene	U		0.000313	0.00121	1	04/30/2018 01:10	WG1104137
sec-Butylbenzene	U		0.000244	0.00121	1	04/30/2018 01:10	WG1104137
tert-Butylbenzene	U		0.000250	0.00121	1	04/30/2018 01:10	WG1104137
Carbon disulfide	0.000577	J	0.000268	0.00121	1	04/30/2018 01:10	WG1104137
Carbon tetrachloride	U		0.000398	0.00121	1	04/30/2018 01:10	WG1104137
Chlorobenzene	U	J4	0.000257	0.00121	1	04/30/2018 01:10	WG1104137
Chlorodibromomethane	U		0.000453	0.00121	1	04/30/2018 01:10	WG1104137
Chloroethane	U		0.00115	0.00607	1	04/30/2018 01:10	WG1104137
Chloroform	U		0.000278	0.00607	1	04/30/2018 01:10	WG1104137
Chloromethane	U	J0	0.000455	0.00304	1	04/30/2018 01:10	WG1104137
2-Chlorotoluene	U		0.000365	0.00121	1	04/30/2018 01:10	WG1104137
4-Chlorotoluene	U		0.000291	0.00121	1	04/30/2018 01:10	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00607	1	04/30/2018 01:10	WG1104137
1,2-Dibromoethane	U		0.000416	0.00121	1	04/30/2018 01:10	WG1104137
Dibromomethane	U		0.000464	0.00121	1	04/30/2018 01:10	WG1104137
1,2-Dichlorobenzene	U		0.000370	0.00121	1	04/30/2018 01:10	WG1104137
1,3-Dichlorobenzene	U		0.000290	0.00121	1	04/30/2018 01:10	WG1104137
1,4-Dichlorobenzene	U		0.000274	0.00121	1	04/30/2018 01:10	WG1104137
Dichlorodifluoromethane	U		0.000866	0.00607	1	04/30/2018 01:10	WG1104137
1,1-Dichloroethane	U		0.000242	0.00121	1	04/30/2018 01:10	WG1104137
1,2-Dichloroethane	U		0.000322	0.00121	1	04/30/2018 01:10	WG1104137
1,1-Dichloroethene	U		0.000368	0.00121	1	04/30/2018 01:10	WG1104137
cis-1,2-Dichloroethene	0.00261		0.000285	0.00121	1	04/30/2018 01:10	WG1104137
trans-1,2-Dichloroethene	U		0.000321	0.00121	1	04/30/2018 01:10	WG1104137
1,2-Dichloropropane	U		0.000435	0.00121	1	04/30/2018 01:10	WG1104137
1,1-Dichloropropene	U		0.000385	0.00121	1	04/30/2018 01:10	WG1104137
1,3-Dichloropropane	U		0.000251	0.00121	1	04/30/2018 01:10	WG1104137
cis-1,3-Dichloropropene	U		0.000318	0.00121	1	04/30/2018 01:10	WG1104137
trans-1,3-Dichloropropene	U		0.000324	0.00121	1	04/30/2018 01:10	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000945	0.00304	1	04/30/2018 01:10	WG1104137
2,2-Dichloropropane	U		0.000339	0.00121	1	04/30/2018 01:10	WG1104137
Di-isopropyl ether	U		0.000301	0.00121	1	04/30/2018 01:10	WG1104137
Ethylbenzene	U		0.000361	0.00121	1	04/30/2018 01:10	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000415	0.00121	1	04/30/2018 01:10	WG1104137
2-Hexanone	U		0.00166	0.0121	1	04/30/2018 01:10	WG1104137
n-Hexane	0.00365	J	0.000352	0.0121	1	04/30/2018 01:10	WG1104137
Iodomethane	U		0.00307	0.0121	1	04/30/2018 01:10	WG1104137
Isopropylbenzene	U		0.000295	0.00121	1	04/30/2018 01:10	WG1104137
p-Isopropyltoluene	U		0.000248	0.00121	1	04/30/2018 01:10	WG1104137
2-Butanone (MEK)	U		0.00568	0.0121	1	04/30/2018 01:10	WG1104137
Methylene Chloride	U		0.00121	0.00607	1	04/30/2018 01:10	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	04/30/2018 01:10	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000257	0.00121	1	04/30/2018 01:10	WG1104137
Naphthalene	U		0.00121	0.00607	1	04/30/2018 01:10	WG1104137
n-Propylbenzene	U		0.000250	0.00121	1	04/30/2018 01:10	WG1104137
Styrene	U		0.000284	0.00121	1	04/30/2018 01:10	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000321	0.00121	1	04/30/2018 01:10	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000443	0.00121	1	04/30/2018 01:10	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000443	0.00121	1	04/30/2018 01:10	WG1104137
Tetrachloroethene	U		0.000335	0.00121	1	04/30/2018 01:10	WG1104137
Toluene	U		0.000527	0.00607	1	04/30/2018 01:10	WG1104137
1,2,3-Trichlorobenzene	U		0.000372	0.00121	1	04/30/2018 01:10	WG1104137
1,2,4-Trichlorobenzene	U		0.000471	0.00121	1	04/30/2018 01:10	WG1104137
1,1,1-Trichloroethane	U		0.000347	0.00121	1	04/30/2018 01:10	WG1104137
1,1,2-Trichloroethane	U		0.000336	0.00121	1	04/30/2018 01:10	WG1104137
Trichloroethene	U	J4	0.000339	0.00121	1	04/30/2018 01:10	WG1104137
Trichlorofluoromethane	U		0.000464	0.00607	1	04/30/2018 01:10	WG1104137
1,2,3-Trichloropropane	U		0.000900	0.00304	1	04/30/2018 01:10	WG1104137
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	04/30/2018 01:10	WG1104137
1,2,3-Trimethylbenzene	U		0.000348	0.00121	1	04/30/2018 01:10	WG1104137
1,3,5-Trimethylbenzene	U		0.000323	0.00121	1	04/30/2018 01:10	WG1104137
Vinyl acetate	U	J4	0.00290	0.0121	1	04/30/2018 01:10	WG1104137
Vinyl chloride	0.000378	J	0.000353	0.00121	1	04/30/2018 01:10	WG1104137
Xylenes, Total	U	J4	0.000848	0.00364	1	04/30/2018 01:10	WG1104137
(S) Toluene-d8	*104*			*80.0-120*		*04/30/2018 01:10*	WG1104137
(S) Dibromofluoromethane	*89.6*			*74.0-131*		*04/30/2018 01:10*	WG1104137
(S) 4-Bromofluorobenzene	*97.8*			*64.0-132*		*04/30/2018 01:10*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0121	0.0607	1	04/30/2018 06:54	WG1104137
Acrylonitrile	U		0.00217	0.0121	1	04/30/2018 06:54	WG1104137
Benzene	U		0.000328	0.00121	1	04/30/2018 06:54	WG1104137
Bromobenzene	U		0.000345	0.00121	1	04/30/2018 06:54	WG1104137
Bromodichloromethane	U		0.000308	0.00121	1	04/30/2018 06:54	WG1104137
Bromochloromethane	U		0.000473	0.00607	1	04/30/2018 06:54	WG1104137
Bromoform	U		0.000514	0.00121	1	04/30/2018 06:54	WG1104137
Bromomethane	U	J0	0.00163	0.00607	1	04/30/2018 06:54	WG1104137
n-Butylbenzene	U		0.000313	0.00121	1	04/30/2018 06:54	WG1104137
sec-Butylbenzene	U		0.000244	0.00121	1	04/30/2018 06:54	WG1104137
tert-Butylbenzene	U		0.000250	0.00121	1	04/30/2018 06:54	WG1104137
Carbon disulfide	0.000422	J	0.000268	0.00121	1	04/30/2018 06:54	WG1104137
Carbon tetrachloride	U		0.000398	0.00121	1	04/30/2018 06:54	WG1104137
Chlorobenzene	U	J4	0.000257	0.00121	1	04/30/2018 06:54	WG1104137
Chlorodibromomethane	U		0.000452	0.00121	1	04/30/2018 06:54	WG1104137
Chloroethane	U		0.00115	0.00607	1	04/30/2018 06:54	WG1104137
Chloroform	U		0.000278	0.00607	1	04/30/2018 06:54	WG1104137
Chloromethane	U	J0	0.000455	0.00303	1	04/30/2018 06:54	WG1104137
2-Chlorotoluene	U		0.000365	0.00121	1	04/30/2018 06:54	WG1104137
4-Chlorotoluene	U		0.000291	0.00121	1	04/30/2018 06:54	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00607	1	04/30/2018 06:54	WG1104137
1,2-Dibromoethane	U		0.000416	0.00121	1	04/30/2018 06:54	WG1104137
Dibromomethane	U		0.000463	0.00121	1	04/30/2018 06:54	WG1104137
1,2-Dichlorobenzene	U		0.000370	0.00121	1	04/30/2018 06:54	WG1104137
1,3-Dichlorobenzene	U		0.000290	0.00121	1	04/30/2018 06:54	WG1104137
1,4-Dichlorobenzene	U		0.000274	0.00121	1	04/30/2018 06:54	WG1104137
Dichlorodifluoromethane	U		0.000865	0.00607	1	04/30/2018 06:54	WG1104137
1,1-Dichloroethane	U		0.000241	0.00121	1	04/30/2018 06:54	WG1104137
1,2-Dichloroethane	U		0.000321	0.00121	1	04/30/2018 06:54	WG1104137
1,1-Dichloroethene	U		0.000368	0.00121	1	04/30/2018 06:54	WG1104137
cis-1,2-Dichloroethene	0.00541		0.000285	0.00121	1	04/30/2018 06:54	WG1104137
trans-1,2-Dichloroethene	U		0.000320	0.00121	1	04/30/2018 06:54	WG1104137
1,2-Dichloropropane	U		0.000434	0.00121	1	04/30/2018 06:54	WG1104137
1,1-Dichloropropene	U		0.000385	0.00121	1	04/30/2018 06:54	WG1104137
1,3-Dichloropropane	U		0.000251	0.00121	1	04/30/2018 06:54	WG1104137
cis-1,3-Dichloropropene	U		0.000318	0.00121	1	04/30/2018 06:54	WG1104137
trans-1,3-Dichloropropene	U		0.000324	0.00121	1	04/30/2018 06:54	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000944	0.00303	1	04/30/2018 06:54	WG1104137
2,2-Dichloropropane	U		0.000338	0.00121	1	04/30/2018 06:54	WG1104137
Di-isopropyl ether	U		0.000301	0.00121	1	04/30/2018 06:54	WG1104137
Ethylbenzene	U		0.000360	0.00121	1	04/30/2018 06:54	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000415	0.00121	1	04/30/2018 06:54	WG1104137
2-Hexanone	U		0.00166	0.0121	1	04/30/2018 06:54	WG1104137
n-Hexane	0.00263	J	0.000352	0.0121	1	04/30/2018 06:54	WG1104137
Iodomethane	U		0.00307	0.0121	1	04/30/2018 06:54	WG1104137
Isopropylbenzene	U		0.000295	0.00121	1	04/30/2018 06:54	WG1104137
p-Isopropyltoluene	U		0.000247	0.00121	1	04/30/2018 06:54	WG1104137
2-Butanone (MEK)	U		0.00568	0.0121	1	04/30/2018 06:54	WG1104137
Methylene Chloride	U		0.00121	0.00607	1	04/30/2018 06:54	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	04/30/2018 06:54	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000257	0.00121	1	04/30/2018 06:54	WG1104137
Naphthalene	U		0.00121	0.00607	1	04/30/2018 06:54	WG1104137
n-Propylbenzene	U		0.000250	0.00121	1	04/30/2018 06:54	WG1104137
Styrene	U		0.000284	0.00121	1	04/30/2018 06:54	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000320	0.00121	1	04/30/2018 06:54	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000443	0.00121	1	04/30/2018 06:54	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000443	0.00121	1	04/30/2018 06:54	WG1104137
Tetrachloroethene	U		0.000335	0.00121	1	04/30/2018 06:54	WG1104137
Toluene	U		0.000526	0.00607	1	04/30/2018 06:54	WG1104137
1,2,3-Trichlorobenzene	U		0.000371	0.00121	1	04/30/2018 06:54	WG1104137
1,2,4-Trichlorobenzene	U		0.000471	0.00121	1	04/30/2018 06:54	WG1104137
1,1,1-Trichloroethane	U		0.000347	0.00121	1	04/30/2018 06:54	WG1104137
1,1,2-Trichloroethane	U		0.000336	0.00121	1	04/30/2018 06:54	WG1104137
Trichloroethene	U	J4	0.000338	0.00121	1	04/30/2018 06:54	WG1104137
Trichlorofluoromethane	U		0.000463	0.00607	1	04/30/2018 06:54	WG1104137
1,2,3-Trichloropropane	U		0.000899	0.00303	1	04/30/2018 06:54	WG1104137
1,2,4-Trimethylbenzene	U		0.000256	0.00121	1	04/30/2018 06:54	WG1104137
1,2,3-Trimethylbenzene	U		0.000348	0.00121	1	04/30/2018 06:54	WG1104137
1,3,5-Trimethylbenzene	U		0.000323	0.00121	1	04/30/2018 06:54	WG1104137
Vinyl acetate	U	J4	0.00290	0.0121	1	04/30/2018 06:54	WG1104137
Vinyl chloride	0.000881	J	0.000353	0.00121	1	04/30/2018 06:54	WG1104137
Xylenes, Total	U	J4	0.000847	0.00364	1	04/30/2018 06:54	WG1104137
(S) Toluene-d8	*102*			*80.0-120*		*04/30/2018 06:54*	WG1104137
(S) Dibromofluoromethane	*92.8*			*74.0-131*		*04/30/2018 06:54*	WG1104137
(S) 4-Bromofluorobenzene	*94.1*			*64.0-132*		*04/30/2018 06:54*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0188	J	0.0108	0.0540	1	04/30/2018 07:15	WG1104137
Acrylonitrile	U		0.00193	0.0108	1	04/30/2018 07:15	WG1104137
Benzene	U		0.000292	0.00108	1	04/30/2018 07:15	WG1104137
Bromobenzene	U		0.000307	0.00108	1	04/30/2018 07:15	WG1104137
Bromodichloromethane	U		0.000274	0.00108	1	04/30/2018 07:15	WG1104137
Bromochloromethane	U		0.000421	0.00540	1	04/30/2018 07:15	WG1104137
Bromoform	U		0.000458	0.00108	1	04/30/2018 07:15	WG1104137
Bromomethane	U	J0	0.00145	0.00540	1	04/30/2018 07:15	WG1104137
n-Butylbenzene	U		0.000279	0.00108	1	04/30/2018 07:15	WG1104137
sec-Butylbenzene	U		0.000217	0.00108	1	04/30/2018 07:15	WG1104137
tert-Butylbenzene	U		0.000223	0.00108	1	04/30/2018 07:15	WG1104137
Carbon disulfide	U		0.000239	0.00108	1	04/30/2018 07:15	WG1104137
Carbon tetrachloride	U		0.000354	0.00108	1	04/30/2018 07:15	WG1104137
Chlorobenzene	U	J4	0.000229	0.00108	1	04/30/2018 07:15	WG1104137
Chlorodibromomethane	U		0.000403	0.00108	1	04/30/2018 07:15	WG1104137
Chloroethane	U	J0	0.00102	0.00540	1	04/30/2018 07:15	WG1104137
Chloroform	U		0.000247	0.00540	1	04/30/2018 07:15	WG1104137
Chloromethane	U		0.000405	0.00270	1	04/30/2018 07:15	WG1104137
2-Chlorotoluene	U		0.000325	0.00108	1	04/30/2018 07:15	WG1104137
4-Chlorotoluene	U		0.000259	0.00108	1	04/30/2018 07:15	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/30/2018 07:15	WG1104137
1,2-Dibromoethane	U		0.000371	0.00108	1	04/30/2018 07:15	WG1104137
Dibromomethane	U		0.000413	0.00108	1	04/30/2018 07:15	WG1104137
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/30/2018 07:15	WG1104137
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/30/2018 07:15	WG1104137
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/30/2018 07:15	WG1104137
Dichlorodifluoromethane	U		0.000770	0.00540	1	04/30/2018 07:15	WG1104137
1,1-Dichloroethane	U		0.000215	0.00108	1	04/30/2018 07:15	WG1104137
1,2-Dichloroethane	U		0.000286	0.00108	1	04/30/2018 07:15	WG1104137
1,1-Dichloroethene	0.00432		0.000327	0.00108	1	04/30/2018 07:15	WG1104137
cis-1,2-Dichloroethene	0.00880		0.000254	0.00108	1	04/30/2018 07:15	WG1104137
trans-1,2-Dichloroethene	0.00141		0.000285	0.00108	1	04/30/2018 07:15	WG1104137
1,2-Dichloropropane	U		0.000387	0.00108	1	04/30/2018 07:15	WG1104137
1,1-Dichloropropene	U		0.000343	0.00108	1	04/30/2018 07:15	WG1104137
1,3-Dichloropropane	U		0.000224	0.00108	1	04/30/2018 07:15	WG1104137
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/30/2018 07:15	WG1104137
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/30/2018 07:15	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/30/2018 07:15	WG1104137
2,2-Dichloropropane	U		0.000301	0.00108	1	04/30/2018 07:15	WG1104137
Di-isopropyl ether	U		0.000268	0.00108	1	04/30/2018 07:15	WG1104137
Ethylbenzene	U		0.000321	0.00108	1	04/30/2018 07:15	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000370	0.00108	1	04/30/2018 07:15	WG1104137
2-Hexanone	U		0.00148	0.0108	1	04/30/2018 07:15	WG1104137
n-Hexane	0.000399	J	0.000313	0.0108	1	04/30/2018 07:15	WG1104137
Iodomethane	U		0.00273	0.0108	1	04/30/2018 07:15	WG1104137
Isopropylbenzene	U		0.000263	0.00108	1	04/30/2018 07:15	WG1104137
p-Isopropyltoluene	U		0.000220	0.00108	1	04/30/2018 07:15	WG1104137
2-Butanone (MEK)	U		0.00506	0.0108	1	04/30/2018 07:15	WG1104137
Methylene Chloride	U		0.00108	0.00540	1	04/30/2018 07:15	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/30/2018 07:15	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/30/2018 07:15	WG1104137
Naphthalene	U		0.00108	0.00540	1	04/30/2018 07:15	WG1104137
n-Propylbenzene	U		0.000223	0.00108	1	04/30/2018 07:15	WG1104137
Styrene	U		0.000253	0.00108	1	04/30/2018 07:15	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/30/2018 07:15	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000394	0.00108	1	04/30/2018 07:15	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000394	0.00108	1	04/30/2018 07:15	WG1104137
Tetrachloroethene	0.0102		0.000298	0.00108	1	04/30/2018 07:15	WG1104137
Toluene	U		0.000469	0.00540	1	04/30/2018 07:15	WG1104137
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/30/2018 07:15	WG1104137
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/30/2018 07:15	WG1104137
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/30/2018 07:15	WG1104137
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/30/2018 07:15	WG1104137
Trichloroethene	0.0562	J4	0.000301	0.00108	1	04/30/2018 07:15	WG1104137
Trichlorofluoromethane	U		0.000413	0.00540	1	04/30/2018 07:15	WG1104137
1,2,3-Trichloropropane	U		0.000801	0.00270	1	04/30/2018 07:15	WG1104137
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/30/2018 07:15	WG1104137
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/30/2018 07:15	WG1104137
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	04/30/2018 07:15	WG1104137
Vinyl acetate	U	J4	0.00258	0.0108	1	04/30/2018 07:15	WG1104137
Vinyl chloride	U		0.000314	0.00108	1	04/30/2018 07:15	WG1104137
Xylenes, Total	U	J4	0.000754	0.00324	1	04/30/2018 07:15	WG1104137
(S) Toluene-d8	*100*			*80.0-120*		*04/30/2018 07:15*	WG1104137
(S) Dibromofluoromethane	*98.4*			*74.0-131*		*04/30/2018 07:15*	WG1104137
(S) 4-Bromofluorobenzene	*90.6*			*64.0-132*		*04/30/2018 07:15*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0184	J	0.0120	0.0601	1	04/28/2018 16:40	WG1104137
Acrylonitrile	U		0.00215	0.0120	1	04/28/2018 16:40	WG1104137
Benzene	U		0.000324	0.00120	1	04/28/2018 16:40	WG1104137
Bromobenzene	U		0.000341	0.00120	1	04/28/2018 16:40	WG1104137
Bromodichloromethane	U		0.000305	0.00120	1	04/28/2018 16:40	WG1104137
Bromochloromethane	U		0.000469	0.00601	1	04/28/2018 16:40	WG1104137
Bromoform	U		0.000509	0.00120	1	04/28/2018 16:40	WG1104137
Bromomethane	U		0.00161	0.00601	1	04/28/2018 16:40	WG1104137
n-Butylbenzene	U		0.000310	0.00120	1	04/28/2018 16:40	WG1104137
sec-Butylbenzene	U		0.000242	0.00120	1	04/28/2018 16:40	WG1104137
tert-Butylbenzene	U	J0	0.000248	0.00120	1	04/28/2018 16:40	WG1104137
Carbon disulfide	0.000528	J J0	0.000266	0.00120	1	04/28/2018 16:40	WG1104137
Carbon tetrachloride	U		0.000394	0.00120	1	04/28/2018 16:40	WG1104137
Chlorobenzene	U	J4	0.000255	0.00120	1	04/28/2018 16:40	WG1104137
Chlorodibromomethane	U		0.000448	0.00120	1	04/28/2018 16:40	WG1104137
Chloroethane	U		0.00114	0.00601	1	04/28/2018 16:40	WG1104137
Chloroform	U		0.000275	0.00601	1	04/28/2018 16:40	WG1104137
Chloromethane	U		0.000451	0.00300	1	04/28/2018 16:40	WG1104137
2-Chlorotoluene	U		0.000362	0.00120	1	04/28/2018 16:40	WG1104137
4-Chlorotoluene	U		0.000288	0.00120	1	04/28/2018 16:40	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	04/28/2018 16:40	WG1104137
1,2-Dibromoethane	U		0.000412	0.00120	1	04/28/2018 16:40	WG1104137
Dibromomethane	U		0.000459	0.00120	1	04/28/2018 16:40	WG1104137
1,2-Dichlorobenzene	U		0.000366	0.00120	1	04/28/2018 16:40	WG1104137
1,3-Dichlorobenzene	U		0.000287	0.00120	1	04/28/2018 16:40	WG1104137
1,4-Dichlorobenzene	U		0.000272	0.00120	1	04/28/2018 16:40	WG1104137
Dichlorodifluoromethane	U		0.000857	0.00601	1	04/28/2018 16:40	WG1104137
1,1-Dichloroethane	U		0.000239	0.00120	1	04/28/2018 16:40	WG1104137
1,2-Dichloroethane	U		0.000318	0.00120	1	04/28/2018 16:40	WG1104137
1,1-Dichloroethene	U		0.000364	0.00120	1	04/28/2018 16:40	WG1104137
cis-1,2-Dichloroethene	0.00448		0.000282	0.00120	1	04/28/2018 16:40	WG1104137
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	04/28/2018 16:40	WG1104137
1,2-Dichloropropane	U		0.000430	0.00120	1	04/28/2018 16:40	WG1104137
1,1-Dichloropropene	U		0.000381	0.00120	1	04/28/2018 16:40	WG1104137
1,3-Dichloropropane	U		0.000249	0.00120	1	04/28/2018 16:40	WG1104137
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	04/28/2018 16:40	WG1104137
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	04/28/2018 16:40	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000935	0.00300	1	04/28/2018 16:40	WG1104137
2,2-Dichloropropane	U		0.000335	0.00120	1	04/28/2018 16:40	WG1104137
Di-isopropyl ether	U		0.000298	0.00120	1	04/28/2018 16:40	WG1104137
Ethylbenzene	U		0.000357	0.00120	1	04/28/2018 16:40	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000411	0.00120	1	04/28/2018 16:40	WG1104137
2-Hexanone	U		0.00165	0.0120	1	04/28/2018 16:40	WG1104137
n-Hexane	U		0.000348	0.0120	1	04/28/2018 16:40	WG1104137
Iodomethane	U	J0	0.00304	0.0120	1	04/28/2018 16:40	WG1104137
Isopropylbenzene	U		0.000292	0.00120	1	04/28/2018 16:40	WG1104137
p-Isopropyltoluene	U		0.000245	0.00120	1	04/28/2018 16:40	WG1104137
2-Butanone (MEK)	U		0.00562	0.0120	1	04/28/2018 16:40	WG1104137
Methylene Chloride	U		0.00120	0.00601	1	04/28/2018 16:40	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	04/28/2018 16:40	WG1104137

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000255	0.00120	1	04/28/2018 16:40	WG1104137
Naphthalene	U		0.00120	0.00601	1	04/28/2018 16:40	WG1104137
n-Propylbenzene	U		0.000248	0.00120	1	04/28/2018 16:40	WG1104137
Styrene	U		0.000281	0.00120	1	04/28/2018 16:40	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	04/28/2018 16:40	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	04/28/2018 16:40	WG1104137
1,1,2-Trichlorotrifluoroethane	U	J0	0.000439	0.00120	1	04/28/2018 16:40	WG1104137
Tetrachloroethene	U	J0	0.000332	0.00120	1	04/28/2018 16:40	WG1104137
Toluene	U		0.000521	0.00601	1	04/28/2018 16:40	WG1104137
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	04/28/2018 16:40	WG1104137
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	04/28/2018 16:40	WG1104137
1,1,1-Trichloroethane	U		0.000344	0.00120	1	04/28/2018 16:40	WG1104137
1,1,2-Trichloroethane	U		0.000333	0.00120	1	04/28/2018 16:40	WG1104137
Trichloroethene	0.000439	J J0 J4	0.000335	0.00120	1	04/28/2018 16:40	WG1104137
Trichlorofluoromethane	U		0.000459	0.00601	1	04/28/2018 16:40	WG1104137
1,2,3-Trichloropropane	U		0.000890	0.00300	1	04/28/2018 16:40	WG1104137
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	04/28/2018 16:40	WG1104137
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	04/28/2018 16:40	WG1104137
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	04/28/2018 16:40	WG1104137
Vinyl acetate	U	J4	0.00287	0.0120	1	04/28/2018 16:40	WG1104137
Vinyl chloride	0.00140		0.000350	0.00120	1	04/28/2018 16:40	WG1104137
Xylenes, Total	U	J4	0.000839	0.00360	1	04/28/2018 16:40	WG1104137
(S) Toluene-d8	*103*			*80.0-120*		*04/28/2018 16:40*	WG1104137
(S) Dibromofluoromethane	*127*			*74.0-131*		*04/28/2018 16:40*	WG1104137
(S) 4-Bromofluorobenzene	*117*			*64.0-132*		*04/28/2018 16:40*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.2		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0253	J	0.0125	0.0623	1	04/30/2018 07:36	WG1104137
Acrylonitrile	U		0.00223	0.0125	1	04/30/2018 07:36	WG1104137
Benzene	U		0.000337	0.00125	1	04/30/2018 07:36	WG1104137
Bromobenzene	U		0.000354	0.00125	1	04/30/2018 07:36	WG1104137
Bromodichloromethane	U		0.000317	0.00125	1	04/30/2018 07:36	WG1104137
Bromochloromethane	U		0.000486	0.00623	1	04/30/2018 07:36	WG1104137
Bromoform	U		0.000529	0.00125	1	04/30/2018 07:36	WG1104137
Bromomethane	U	J0	0.00167	0.00623	1	04/30/2018 07:36	WG1104137
n-Butylbenzene	U		0.000322	0.00125	1	04/30/2018 07:36	WG1104137
sec-Butylbenzene	U		0.000251	0.00125	1	04/30/2018 07:36	WG1104137
tert-Butylbenzene	U		0.000257	0.00125	1	04/30/2018 07:36	WG1104137
Carbon disulfide	U		0.000276	0.00125	1	04/30/2018 07:36	WG1104137
Carbon tetrachloride	U		0.000409	0.00125	1	04/30/2018 07:36	WG1104137
Chlorobenzene	U	J4	0.000264	0.00125	1	04/30/2018 07:36	WG1104137
Chlorodibromomethane	U		0.000465	0.00125	1	04/30/2018 07:36	WG1104137
Chloroethane	U	J0	0.00118	0.00623	1	04/30/2018 07:36	WG1104137
Chloroform	U		0.000286	0.00623	1	04/30/2018 07:36	WG1104137
Chloromethane	U		0.000468	0.00312	1	04/30/2018 07:36	WG1104137
2-Chlorotoluene	U		0.000375	0.00125	1	04/30/2018 07:36	WG1104137
4-Chlorotoluene	U		0.000299	0.00125	1	04/30/2018 07:36	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00131	0.00623	1	04/30/2018 07:36	WG1104137
1,2-Dibromoethane	U		0.000428	0.00125	1	04/30/2018 07:36	WG1104137
Dibromomethane	U		0.000476	0.00125	1	04/30/2018 07:36	WG1104137
1,2-Dichlorobenzene	U		0.000380	0.00125	1	04/30/2018 07:36	WG1104137
1,3-Dichlorobenzene	U		0.000298	0.00125	1	04/30/2018 07:36	WG1104137
1,4-Dichlorobenzene	U		0.000282	0.00125	1	04/30/2018 07:36	WG1104137
Dichlorodifluoromethane	U		0.000889	0.00623	1	04/30/2018 07:36	WG1104137
1,1-Dichloroethane	U		0.000248	0.00125	1	04/30/2018 07:36	WG1104137
1,2-Dichloroethane	U		0.000330	0.00125	1	04/30/2018 07:36	WG1104137
1,1-Dichloroethene	U		0.000378	0.00125	1	04/30/2018 07:36	WG1104137
cis-1,2-Dichloroethene	U		0.000293	0.00125	1	04/30/2018 07:36	WG1104137
trans-1,2-Dichloroethene	U		0.000329	0.00125	1	04/30/2018 07:36	WG1104137
1,2-Dichloropropane	U		0.000446	0.00125	1	04/30/2018 07:36	WG1104137
1,1-Dichloropropene	U		0.000395	0.00125	1	04/30/2018 07:36	WG1104137
1,3-Dichloropropane	U		0.000258	0.00125	1	04/30/2018 07:36	WG1104137
cis-1,3-Dichloropropene	U		0.000327	0.00125	1	04/30/2018 07:36	WG1104137
trans-1,3-Dichloropropene	U		0.000333	0.00125	1	04/30/2018 07:36	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000970	0.00312	1	04/30/2018 07:36	WG1104137
2,2-Dichloropropane	U		0.000348	0.00125	1	04/30/2018 07:36	WG1104137
Di-isopropyl ether	U		0.000309	0.00125	1	04/30/2018 07:36	WG1104137
Ethylbenzene	U		0.000370	0.00125	1	04/30/2018 07:36	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000426	0.00125	1	04/30/2018 07:36	WG1104137
2-Hexanone	U		0.00171	0.0125	1	04/30/2018 07:36	WG1104137
n-Hexane	U		0.000362	0.0125	1	04/30/2018 07:36	WG1104137
Iodomethane	U		0.00315	0.0125	1	04/30/2018 07:36	WG1104137
Isopropylbenzene	U		0.000303	0.00125	1	04/30/2018 07:36	WG1104137
p-Isopropyltoluene	U		0.000254	0.00125	1	04/30/2018 07:36	WG1104137
2-Butanone (MEK)	U		0.00583	0.0125	1	04/30/2018 07:36	WG1104137
Methylene Chloride	U		0.00125	0.00623	1	04/30/2018 07:36	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00234	0.0125	1	04/30/2018 07:36	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000264	0.00125	1	04/30/2018 07:36	WG1104137
Naphthalene	U		0.00125	0.00623	1	04/30/2018 07:36	WG1104137
n-Propylbenzene	U		0.000257	0.00125	1	04/30/2018 07:36	WG1104137
Styrene	U		0.000292	0.00125	1	04/30/2018 07:36	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000329	0.00125	1	04/30/2018 07:36	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000455	0.00125	1	04/30/2018 07:36	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000455	0.00125	1	04/30/2018 07:36	WG1104137
Tetrachloroethene	U		0.000344	0.00125	1	04/30/2018 07:36	WG1104137
Toluene	U		0.000541	0.00623	1	04/30/2018 07:36	WG1104137
1,2,3-Trichlorobenzene	U		0.000382	0.00125	1	04/30/2018 07:36	WG1104137
1,2,4-Trichlorobenzene	U		0.000484	0.00125	1	04/30/2018 07:36	WG1104137
1,1,1-Trichloroethane	U		0.000357	0.00125	1	04/30/2018 07:36	WG1104137
1,1,2-Trichloroethane	U		0.000345	0.00125	1	04/30/2018 07:36	WG1104137
Trichloroethene	U	J4	0.000348	0.00125	1	04/30/2018 07:36	WG1104137
Trichlorofluoromethane	U		0.000476	0.00623	1	04/30/2018 07:36	WG1104137
1,2,3-Trichloropropane	U		0.000924	0.00312	1	04/30/2018 07:36	WG1104137
1,2,4-Trimethylbenzene	U		0.000263	0.00125	1	04/30/2018 07:36	WG1104137
1,2,3-Trimethylbenzene	U		0.000358	0.00125	1	04/30/2018 07:36	WG1104137
1,3,5-Trimethylbenzene	U		0.000332	0.00125	1	04/30/2018 07:36	WG1104137
Vinyl acetate	U	J4	0.00298	0.0125	1	04/30/2018 07:36	WG1104137
Vinyl chloride	U		0.000363	0.00125	1	04/30/2018 07:36	WG1104137
Xylenes, Total	U	J4	0.000870	0.00374	1	04/30/2018 07:36	WG1104137
(S) Toluene-d8	*103*			*80.0-120*		*04/30/2018 07:36*	WG1104137
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*04/30/2018 07:36*	WG1104137
(S) 4-Bromofluorobenzene	*90.8*			*64.0-132*		*04/30/2018 07:36*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.251		0.0118	0.0592	1	04/30/2018 08:20	WG1104137
Acrylonitrile	U		0.00212	0.0118	1	04/30/2018 08:20	WG1104137
Benzene	U		0.000320	0.00118	1	04/30/2018 08:20	WG1104137
Bromobenzene	U		0.000336	0.00118	1	04/30/2018 08:20	WG1104137
Bromodichloromethane	U		0.000301	0.00118	1	04/30/2018 08:20	WG1104137
Bromochloromethane	U		0.000462	0.00592	1	04/30/2018 08:20	WG1104137
Bromoform	U		0.000502	0.00118	1	04/30/2018 08:20	WG1104137
Bromomethane	U	J0	0.00159	0.00592	1	04/30/2018 08:20	WG1104137
n-Butylbenzene	U		0.000305	0.00118	1	04/30/2018 08:20	WG1104137
sec-Butylbenzene	U		0.000238	0.00118	1	04/30/2018 08:20	WG1104137
tert-Butylbenzene	U		0.000244	0.00118	1	04/30/2018 08:20	WG1104137
Carbon disulfide	0.000573	J	0.000262	0.00118	1	04/30/2018 08:20	WG1104137
Carbon tetrachloride	U		0.000388	0.00118	1	04/30/2018 08:20	WG1104137
Chlorobenzene	U	J4	0.000251	0.00118	1	04/30/2018 08:20	WG1104137
Chlorodibromomethane	U		0.000441	0.00118	1	04/30/2018 08:20	WG1104137
Chloroethane	U		0.00112	0.00592	1	04/30/2018 08:20	WG1104137
Chloroform	U		0.000271	0.00592	1	04/30/2018 08:20	WG1104137
Chloromethane	U	J0	0.000444	0.00296	1	04/30/2018 08:20	WG1104137
2-Chlorotoluene	U		0.000356	0.00118	1	04/30/2018 08:20	WG1104137
4-Chlorotoluene	U		0.000284	0.00118	1	04/30/2018 08:20	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00592	1	04/30/2018 08:20	WG1104137
1,2-Dibromoethane	U		0.000406	0.00118	1	04/30/2018 08:20	WG1104137
Dibromomethane	U		0.000452	0.00118	1	04/30/2018 08:20	WG1104137
1,2-Dichlorobenzene	U		0.000361	0.00118	1	04/30/2018 08:20	WG1104137
1,3-Dichlorobenzene	U		0.000283	0.00118	1	04/30/2018 08:20	WG1104137
1,4-Dichlorobenzene	U		0.000267	0.00118	1	04/30/2018 08:20	WG1104137
Dichlorodifluoromethane	U		0.000844	0.00592	1	04/30/2018 08:20	WG1104137
1,1-Dichloroethane	U		0.000236	0.00118	1	04/30/2018 08:20	WG1104137
1,2-Dichloroethane	U		0.000314	0.00118	1	04/30/2018 08:20	WG1104137
1,1-Dichloroethene	U		0.000359	0.00118	1	04/30/2018 08:20	WG1104137
cis-1,2-Dichloroethene	U		0.000278	0.00118	1	04/30/2018 08:20	WG1104137
trans-1,2-Dichloroethene	U		0.000312	0.00118	1	04/30/2018 08:20	WG1104137
1,2-Dichloropropane	U		0.000424	0.00118	1	04/30/2018 08:20	WG1104137
1,1-Dichloropropene	U		0.000375	0.00118	1	04/30/2018 08:20	WG1104137
1,3-Dichloropropane	U		0.000245	0.00118	1	04/30/2018 08:20	WG1104137
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	04/30/2018 08:20	WG1104137
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	04/30/2018 08:20	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000921	0.00296	1	04/30/2018 08:20	WG1104137
2,2-Dichloropropane	U		0.000330	0.00118	1	04/30/2018 08:20	WG1104137
Di-isopropyl ether	U		0.000294	0.00118	1	04/30/2018 08:20	WG1104137
Ethylbenzene	U		0.000352	0.00118	1	04/30/2018 08:20	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000405	0.00118	1	04/30/2018 08:20	WG1104137
2-Hexanone	U		0.00162	0.0118	1	04/30/2018 08:20	WG1104137
n-Hexane	U		0.000343	0.0118	1	04/30/2018 08:20	WG1104137
Iodomethane	U		0.00299	0.0118	1	04/30/2018 08:20	WG1104137
Isopropylbenzene	U		0.000288	0.00118	1	04/30/2018 08:20	WG1104137
p-Isopropyltoluene	U		0.000241	0.00118	1	04/30/2018 08:20	WG1104137
2-Butanone (MEK)	0.0534		0.00554	0.0118	1	04/30/2018 08:20	WG1104137
Methylene Chloride	U		0.00118	0.00592	1	04/30/2018 08:20	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0118	1	04/30/2018 08:20	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000251	0.00118	1	04/30/2018 08:20	WG1104137
Naphthalene	U		0.00118	0.00592	1	04/30/2018 08:20	WG1104137
n-Propylbenzene	U		0.000244	0.00118	1	04/30/2018 08:20	WG1104137
Styrene	U		0.000277	0.00118	1	04/30/2018 08:20	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	04/30/2018 08:20	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000432	0.00118	1	04/30/2018 08:20	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000432	0.00118	1	04/30/2018 08:20	WG1104137
Tetrachloroethene	U		0.000327	0.00118	1	04/30/2018 08:20	WG1104137
Toluene	U		0.000514	0.00592	1	04/30/2018 08:20	WG1104137
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	04/30/2018 08:20	WG1104137
1,2,4-Trichlorobenzene	U		0.000459	0.00118	1	04/30/2018 08:20	WG1104137
1,1,1-Trichloroethane	U		0.000338	0.00118	1	04/30/2018 08:20	WG1104137
1,1,2-Trichloroethane	U		0.000328	0.00118	1	04/30/2018 08:20	WG1104137
Trichloroethene	U	J4	0.000330	0.00118	1	04/30/2018 08:20	WG1104137
Trichlorofluoromethane	U		0.000452	0.00592	1	04/30/2018 08:20	WG1104137
1,2,3-Trichloropropane	U		0.000877	0.00296	1	04/30/2018 08:20	WG1104137
1,2,4-Trimethylbenzene	U		0.000250	0.00118	1	04/30/2018 08:20	WG1104137
1,2,3-Trimethylbenzene	U		0.000340	0.00118	1	04/30/2018 08:20	WG1104137
1,3,5-Trimethylbenzene	U		0.000315	0.00118	1	04/30/2018 08:20	WG1104137
Vinyl acetate	U	J4	0.00283	0.0118	1	04/30/2018 08:20	WG1104137
Vinyl chloride	U		0.000344	0.00118	1	04/30/2018 08:20	WG1104137
Xylenes, Total	U	J4	0.000826	0.00355	1	04/30/2018 08:20	WG1104137
(S) Toluene-d8	*102*			*80.0-120*		*04/30/2018 08:20*	WG1104137
(S) Dibromofluoromethane	*94.1*			*74.0-131*		*04/30/2018 08:20*	WG1104137
(S) 4-Bromofluorobenzene	*93.0*			*64.0-132*		*04/30/2018 08:20*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0124	J	0.0117	0.0585	1	04/28/2018 17:39	WG1104137
Acrylonitrile	U		0.00209	0.0117	1	04/28/2018 17:39	WG1104137
Benzene	U		0.000316	0.00117	1	04/28/2018 17:39	WG1104137
Bromobenzene	U		0.000332	0.00117	1	04/28/2018 17:39	WG1104137
Bromodichloromethane	U		0.000297	0.00117	1	04/28/2018 17:39	WG1104137
Bromochloromethane	U		0.000456	0.00585	1	04/28/2018 17:39	WG1104137
Bromoform	U		0.000496	0.00117	1	04/28/2018 17:39	WG1104137
Bromomethane	U		0.00157	0.00585	1	04/28/2018 17:39	WG1104137
n-Butylbenzene	U		0.000302	0.00117	1	04/28/2018 17:39	WG1104137
sec-Butylbenzene	U		0.000235	0.00117	1	04/28/2018 17:39	WG1104137
tert-Butylbenzene	U	J0	0.000241	0.00117	1	04/28/2018 17:39	WG1104137
Carbon disulfide	U	J0	0.000258	0.00117	1	04/28/2018 17:39	WG1104137
Carbon tetrachloride	U		0.000383	0.00117	1	04/28/2018 17:39	WG1104137
Chlorobenzene	U	J4	0.000248	0.00117	1	04/28/2018 17:39	WG1104137
Chlorodibromomethane	U		0.000436	0.00117	1	04/28/2018 17:39	WG1104137
Chloroethane	U		0.00111	0.00585	1	04/28/2018 17:39	WG1104137
Chloroform	U		0.000268	0.00585	1	04/28/2018 17:39	WG1104137
Chloromethane	U		0.000438	0.00292	1	04/28/2018 17:39	WG1104137
2-Chlorotoluene	U		0.000352	0.00117	1	04/28/2018 17:39	WG1104137
4-Chlorotoluene	U		0.000281	0.00117	1	04/28/2018 17:39	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00585	1	04/28/2018 17:39	WG1104137
1,2-Dibromoethane	U		0.000401	0.00117	1	04/28/2018 17:39	WG1104137
Dibromomethane	U		0.000447	0.00117	1	04/28/2018 17:39	WG1104137
1,2-Dichlorobenzene	U		0.000357	0.00117	1	04/28/2018 17:39	WG1104137
1,3-Dichlorobenzene	U		0.000279	0.00117	1	04/28/2018 17:39	WG1104137
1,4-Dichlorobenzene	U		0.000264	0.00117	1	04/28/2018 17:39	WG1104137
Dichlorodifluoromethane	U		0.000834	0.00585	1	04/28/2018 17:39	WG1104137
1,1-Dichloroethane	U		0.000233	0.00117	1	04/28/2018 17:39	WG1104137
1,2-Dichloroethane	U		0.000310	0.00117	1	04/28/2018 17:39	WG1104137
1,1-Dichloroethene	0.00156		0.000354	0.00117	1	04/28/2018 17:39	WG1104137
cis-1,2-Dichloroethene	0.00480		0.000275	0.00117	1	04/28/2018 17:39	WG1104137
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	04/28/2018 17:39	WG1104137
1,2-Dichloropropane	U		0.000419	0.00117	1	04/28/2018 17:39	WG1104137
1,1-Dichloropropene	U		0.000371	0.00117	1	04/28/2018 17:39	WG1104137
1,3-Dichloropropane	U		0.000242	0.00117	1	04/28/2018 17:39	WG1104137
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	04/28/2018 17:39	WG1104137
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	04/28/2018 17:39	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000910	0.00292	1	04/28/2018 17:39	WG1104137
2,2-Dichloropropane	U		0.000326	0.00117	1	04/28/2018 17:39	WG1104137
Di-isopropyl ether	U		0.000290	0.00117	1	04/28/2018 17:39	WG1104137
Ethylbenzene	U		0.000347	0.00117	1	04/28/2018 17:39	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000400	0.00117	1	04/28/2018 17:39	WG1104137
2-Hexanone	U		0.00160	0.0117	1	04/28/2018 17:39	WG1104137
n-Hexane	U		0.000339	0.0117	1	04/28/2018 17:39	WG1104137
Iodomethane	U	J0	0.00296	0.0117	1	04/28/2018 17:39	WG1104137
Isopropylbenzene	U		0.000284	0.00117	1	04/28/2018 17:39	WG1104137
p-Isopropyltoluene	U		0.000239	0.00117	1	04/28/2018 17:39	WG1104137
2-Butanone (MEK)	U		0.00547	0.0117	1	04/28/2018 17:39	WG1104137
Methylene Chloride	U		0.00117	0.00585	1	04/28/2018 17:39	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	04/28/2018 17:39	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000248	0.00117	1	04/28/2018 17:39	WG1104137
Naphthalene	U		0.00117	0.00585	1	04/28/2018 17:39	WG1104137
n-Propylbenzene	U		0.000241	0.00117	1	04/28/2018 17:39	WG1104137
Styrene	U		0.000274	0.00117	1	04/28/2018 17:39	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000309	0.00117	1	04/28/2018 17:39	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000427	0.00117	1	04/28/2018 17:39	WG1104137
1,1,2-Trichlorotrifluoroethane	U	J0	0.000427	0.00117	1	04/28/2018 17:39	WG1104137
Tetrachloroethene	0.00125	J0	0.000323	0.00117	1	04/28/2018 17:39	WG1104137
Toluene	U		0.000507	0.00585	1	04/28/2018 17:39	WG1104137
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	04/28/2018 17:39	WG1104137
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	04/28/2018 17:39	WG1104137
1,1,1-Trichloroethane	U		0.000334	0.00117	1	04/28/2018 17:39	WG1104137
1,1,2-Trichloroethane	U		0.000324	0.00117	1	04/28/2018 17:39	WG1104137
Trichloroethene	0.00615	J0 J4	0.000326	0.00117	1	04/28/2018 17:39	WG1104137
Trichlorofluoromethane	U		0.000447	0.00585	1	04/28/2018 17:39	WG1104137
1,2,3-Trichloropropane	U		0.000866	0.00292	1	04/28/2018 17:39	WG1104137
1,2,4-Trimethylbenzene	U		0.000247	0.00117	1	04/28/2018 17:39	WG1104137
1,2,3-Trimethylbenzene	U		0.000336	0.00117	1	04/28/2018 17:39	WG1104137
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	04/28/2018 17:39	WG1104137
Vinyl acetate	U	J4	0.00279	0.0117	1	04/28/2018 17:39	WG1104137
Vinyl chloride	0.000418	J	0.000340	0.00117	1	04/28/2018 17:39	WG1104137
Xylenes, Total	U	J4	0.000816	0.00351	1	04/28/2018 17:39	WG1104137
(S) Toluene-d8	*99.7*			*80.0-120*		*04/28/2018 17:39*	WG1104137
(S) Dibromofluoromethane	*126*			*74.0-131*		*04/28/2018 17:39*	WG1104137
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*04/28/2018 17:39*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0108	0.0541	1	04/28/2018 17:58	WG1104137
Acrylonitrile	U		0.00194	0.0108	1	04/28/2018 17:58	WG1104137
Benzene	U		0.000292	0.00108	1	04/28/2018 17:58	WG1104137
Bromobenzene	U		0.000307	0.00108	1	04/28/2018 17:58	WG1104137
Bromodichloromethane	U		0.000275	0.00108	1	04/28/2018 17:58	WG1104137
Bromochloromethane	U		0.000422	0.00541	1	04/28/2018 17:58	WG1104137
Bromoform	U		0.000458	0.00108	1	04/28/2018 17:58	WG1104137
Bromomethane	U		0.00145	0.00541	1	04/28/2018 17:58	WG1104137
n-Butylbenzene	U		0.000279	0.00108	1	04/28/2018 17:58	WG1104137
sec-Butylbenzene	U		0.000217	0.00108	1	04/28/2018 17:58	WG1104137
tert-Butylbenzene	U	J0	0.000223	0.00108	1	04/28/2018 17:58	WG1104137
Carbon disulfide	U	J0	0.000239	0.00108	1	04/28/2018 17:58	WG1104137
Carbon tetrachloride	U		0.000355	0.00108	1	04/28/2018 17:58	WG1104137
Chlorobenzene	U	J4	0.000229	0.00108	1	04/28/2018 17:58	WG1104137
Chlorodibromomethane	U		0.000403	0.00108	1	04/28/2018 17:58	WG1104137
Chloroethane	U		0.00102	0.00541	1	04/28/2018 17:58	WG1104137
Chloroform	U		0.000248	0.00541	1	04/28/2018 17:58	WG1104137
Chloromethane	U		0.000405	0.00270	1	04/28/2018 17:58	WG1104137
2-Chlorotoluene	U		0.000325	0.00108	1	04/28/2018 17:58	WG1104137
4-Chlorotoluene	U		0.000259	0.00108	1	04/28/2018 17:58	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	04/28/2018 17:58	WG1104137
1,2-Dibromoethane	U		0.000371	0.00108	1	04/28/2018 17:58	WG1104137
Dibromomethane	U		0.000413	0.00108	1	04/28/2018 17:58	WG1104137
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/28/2018 17:58	WG1104137
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/28/2018 17:58	WG1104137
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/28/2018 17:58	WG1104137
Dichlorodifluoromethane	U		0.000771	0.00541	1	04/28/2018 17:58	WG1104137
1,1-Dichloroethane	U		0.000215	0.00108	1	04/28/2018 17:58	WG1104137
1,2-Dichloroethane	U		0.000287	0.00108	1	04/28/2018 17:58	WG1104137
1,1-Dichloroethene	U		0.000328	0.00108	1	04/28/2018 17:58	WG1104137
cis-1,2-Dichloroethene	0.00122		0.000254	0.00108	1	04/28/2018 17:58	WG1104137
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	04/28/2018 17:58	WG1104137
1,2-Dichloropropane	U		0.000387	0.00108	1	04/28/2018 17:58	WG1104137
1,1-Dichloropropene	U		0.000343	0.00108	1	04/28/2018 17:58	WG1104137
1,3-Dichloropropane	U		0.000224	0.00108	1	04/28/2018 17:58	WG1104137
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/28/2018 17:58	WG1104137
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/28/2018 17:58	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/28/2018 17:58	WG1104137
2,2-Dichloropropane	U		0.000302	0.00108	1	04/28/2018 17:58	WG1104137
Di-isopropyl ether	U		0.000268	0.00108	1	04/28/2018 17:58	WG1104137
Ethylbenzene	U		0.000321	0.00108	1	04/28/2018 17:58	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000370	0.00108	1	04/28/2018 17:58	WG1104137
2-Hexanone	U		0.00148	0.0108	1	04/28/2018 17:58	WG1104137
n-Hexane	U		0.000314	0.0108	1	04/28/2018 17:58	WG1104137
Iodomethane	U	J0	0.00274	0.0108	1	04/28/2018 17:58	WG1104137
Isopropylbenzene	U		0.000263	0.00108	1	04/28/2018 17:58	WG1104137
p-Isopropyltoluene	U		0.000221	0.00108	1	04/28/2018 17:58	WG1104137
2-Butanone (MEK)	U		0.00506	0.0108	1	04/28/2018 17:58	WG1104137
Methylene Chloride	U		0.00108	0.00541	1	04/28/2018 17:58	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/28/2018 17:58	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/28/2018 17:58	WG1104137
Naphthalene	U		0.00108	0.00541	1	04/28/2018 17:58	WG1104137
n-Propylbenzene	U		0.000223	0.00108	1	04/28/2018 17:58	WG1104137
Styrene	U		0.000253	0.00108	1	04/28/2018 17:58	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	04/28/2018 17:58	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/28/2018 17:58	WG1104137
1,1,2-Trichlorotrifluoroethane	U	J0	0.000395	0.00108	1	04/28/2018 17:58	WG1104137
Tetrachloroethene	0.00255	J0	0.000298	0.00108	1	04/28/2018 17:58	WG1104137
Toluene	U		0.000469	0.00541	1	04/28/2018 17:58	WG1104137
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/28/2018 17:58	WG1104137
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	04/28/2018 17:58	WG1104137
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/28/2018 17:58	WG1104137
1,1,2-Trichloroethane	U		0.000299	0.00108	1	04/28/2018 17:58	WG1104137
Trichloroethene	0.00297	J0 J4	0.000302	0.00108	1	04/28/2018 17:58	WG1104137
Trichlorofluoromethane	U		0.000413	0.00541	1	04/28/2018 17:58	WG1104137
1,2,3-Trichloropropane	U		0.000801	0.00270	1	04/28/2018 17:58	WG1104137
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/28/2018 17:58	WG1104137
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/28/2018 17:58	WG1104137
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/28/2018 17:58	WG1104137
Vinyl acetate	U	J4	0.00258	0.0108	1	04/28/2018 17:58	WG1104137
Vinyl chloride	U		0.000315	0.00108	1	04/28/2018 17:58	WG1104137
Xylenes, Total	U	J4	0.000755	0.00324	1	04/28/2018 17:58	WG1104137
(S) Toluene-d8	*100*			*80.0-120*		*04/28/2018 17:58*	WG1104137
(S) Dibromofluoromethane	*125*			*74.0-131*		*04/28/2018 17:58*	WG1104137
(S) 4-Bromofluorobenzene	*118*			*64.0-132*		*04/28/2018 17:58*	WG1104137

Method Blank (MB)

(MB) R3305547-1 04/27/18 13:57

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L988671-06 Original Sample (OS) • Duplicate (DUP)

(OS) L988671-06 04/27/18 13:57 • (DUP) R3305547-3 04/27/18 13:57

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.2	84.0	1	0.927		5

Laboratory Control Sample (LCS)

(LCS) R3305547-2 04/27/18 13:57

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305545-1 04/27/18 13:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L988727-09 Original Sample (OS) • Duplicate (DUP)

(OS) L988727-09 04/27/18 13:43 • (DUP) R3305545-3 04/27/18 13:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.5	90.4	1	1.18		5

Laboratory Control Sample (LCS)

(LCS) R3305545-2 04/27/18 13:43

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305618-3 04/28/18 12:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3305618-3 04/28/18 12:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*120*			*74.0-131*
(S) 4-Bromofluorobenzene	*126*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305618-1 04/28/18 11:04 • (LCSD) R3305618-2 04/28/18 11:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.146	0.135	116	108	11.0-160			7.29	23
Acrylonitrile	0.125	0.140	0.137	112	109	61.0-143			2.34	20
Benzene	0.0250	0.0243	0.0235	97.1	94.1	71.0-124			3.19	20
Bromobenzene	0.0250	0.0222	0.0221	88.9	88.3	78.0-120			0.724	20
Bromodichloromethane	0.0250	0.0235	0.0222	94.0	89.0	75.0-120			5.53	20
Bromochloromethane	0.0250	0.0250	0.0235	100	94.1	80.0-121			6.22	20
Bromoform	0.0250	0.0248	0.0240	99.2	95.9	65.0-133			3.40	20
Bromomethane	0.0250	0.0264	0.0219	106	87.8	26.0-160			18.4	20
n-Butylbenzene	0.0250	0.0231	0.0217	92.6	86.9	73.0-126			6.35	20
sec-Butylbenzene	0.0250	0.0228	0.0218	91.4	87.0	75.0-121			4.91	20
tert-Butylbenzene	0.0250	0.0220	0.0211	88.2	84.3	74.0-122			4.53	20
Carbon disulfide	0.0250	0.0243	0.0239	97.0	95.7	53.0-130			1.34	20
Carbon tetrachloride	0.0250	0.0218	0.0209	87.2	83.8	66.0-123			4.06	20
Chlorobenzene	0.0250	0.0207	0.0193	82.7	77.4	79.0-121		J4	6.66	20
Chlorodibromomethane	0.0250	0.0228	0.0208	91.3	83.3	74.0-128			9.13	20
Chloroethane	0.0250	0.0281	0.0268	112	107	51.0-147			4.95	20
Chloroform	0.0250	0.0257	0.0242	103	96.6	73.0-123			6.07	20
Chloromethane	0.0250	0.0224	0.0227	89.5	90.7	51.0-138			1.37	20
2-Chlorotoluene	0.0250	0.0228	0.0229	91.3	91.5	72.0-124			0.227	20
4-Chlorotoluene	0.0250	0.0227	0.0223	90.8	89.0	78.0-120			1.93	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0223	0.0213	89.3	85.1	65.0-126			4.80	20
1,2-Dibromoethane	0.0250	0.0228	0.0221	91.4	88.5	78.0-122			3.25	20
Dibromomethane	0.0250	0.0243	0.0237	97.2	94.6	79.0-120			2.73	20
1,2-Dichlorobenzene	0.0250	0.0230	0.0216	92.1	86.2	80.0-120			6.64	20
1,3-Dichlorobenzene	0.0250	0.0222	0.0217	88.9	86.8	72.0-123			2.36	20
1,4-Dichlorobenzene	0.0250	0.0224	0.0214	89.7	85.8	77.0-120			4.46	20
trans-1,4-Dichloro-2-butene	0.0250	0.0270	0.0277	108	111	68.0-126			2.57	20
Dichlorodifluoromethane	0.0250	0.0235	0.0222	94.1	88.6	49.0-155			6.00	20
1,1-Dichloroethane	0.0250	0.0244	0.0238	97.6	95.2	70.0-128			2.49	20
1,2-Dichloroethane	0.0250	0.0276	0.0275	111	110	69.0-128			0.530	20
1,1-Dichloroethene	0.0250	0.0235	0.0224	93.9	89.7	63.0-131			4.55	20
cis-1,2-Dichloroethene	0.0250	0.0249	0.0237	99.7	94.6	74.0-123			5.26	20
trans-1,2-Dichloroethene	0.0250	0.0219	0.0205	87.4	82.0	72.0-122			6.39	20
1,2-Dichloropropane	0.0250	0.0220	0.0212	87.8	85.0	75.0-126			3.30	20
1,1-Dichloropropene	0.0250	0.0242	0.0232	96.7	92.8	72.0-130			4.16	20
1,3-Dichloropropane	0.0250	0.0235	0.0229	94.0	91.8	80.0-121			2.37	20
cis-1,3-Dichloropropene	0.0250	0.0247	0.0232	98.9	92.7	80.0-125			6.50	20
trans-1,3-Dichloropropene	0.0250	0.0240	0.0232	96.0	92.7	75.0-129			3.52	20
2,2-Dichloropropane	0.0250	0.0240	0.0229	96.1	91.7	60.0-129			4.60	20
Di-isopropyl ether	0.0250	0.0243	0.0234	97.3	93.4	62.0-133			4.06	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305618-1 04/28/18 11:04 • (LCSD) R3305618-2 04/28/18 11:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0214	0.0200	85.7	80.1	77.0-120			6.77	20
Hexachloro-1,3-butadiene	0.0250	0.0230	0.0184	92.0	73.6	68.0-128		J3	22.3	20
2-Hexanone	0.125	0.127	0.117	102	93.8	61.0-143			8.27	20
n-Hexane	0.0250	0.0210	0.0210	84.2	84.0	57.0-125			0.173	20
Iodomethane	0.125	0.127	0.120	101	96.1	67.0-132			5.42	20
Isopropylbenzene	0.0250	0.0216	0.0216	86.6	86.6	75.0-120			0.00878	20
p-Isopropyltoluene	0.0250	0.0226	0.0211	90.5	84.6	74.0-125			6.72	20
2-Butanone (MEK)	0.125	0.138	0.133	110	106	37.0-159			3.96	20
Methylene Chloride	0.0250	0.0197	0.0193	78.9	77.0	67.0-123			2.36	20
4-Methyl-2-pentanone (MIBK)	0.125	0.128	0.119	102	95.5	60.0-144			6.67	20
Methyl tert-butyl ether	0.0250	0.0280	0.0263	112	105	66.0-125			6.24	20
Naphthalene	0.0250	0.0245	0.0225	98.0	89.9	64.0-125			8.60	20
n-Propylbenzene	0.0250	0.0217	0.0218	86.7	87.4	78.0-120			0.743	20
Styrene	0.0250	0.0218	0.0219	87.1	87.4	78.0-124			0.319	20
1,1,1,2-Tetrachloroethane	0.0250	0.0211	0.0198	84.5	79.3	74.0-124			6.38	20
1,1,2,2-Tetrachloroethane	0.0250	0.0267	0.0263	107	105	73.0-120			1.59	20
Tetrachloroethene	0.0250	0.0189	0.0185	75.6	74.1	70.0-127			2.03	20
Toluene	0.0250	0.0215	0.0205	86.0	82.2	77.0-120			4.58	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0227	0.0222	90.7	88.8	64.0-135			2.10	20
1,2,3-Trichlorobenzene	0.0250	0.0237	0.0206	94.6	82.4	68.0-126			13.8	20
1,2,4-Trichlorobenzene	0.0250	0.0243	0.0211	97.0	84.5	70.0-127			13.8	20
1,1,1-Trichloroethane	0.0250	0.0243	0.0234	97.3	93.7	69.0-125			3.79	20
1,1,2-Trichloroethane	0.0250	0.0228	0.0222	91.2	88.6	78.0-120			2.91	20
Trichloroethene	0.0250	0.0214	0.0194	85.4	77.6	79.0-120		J4	9.59	20
Trichlorofluoromethane	0.0250	0.0258	0.0243	103	97.3	59.0-136			5.72	20
1,2,3-Trichloropropane	0.0250	0.0270	0.0276	108	110	73.0-124			2.19	20
1,2,3-Trimethylbenzene	0.0250	0.0220	0.0207	88.0	82.7	76.0-120			6.27	20
1,2,4-Trimethylbenzene	0.0250	0.0237	0.0226	94.9	90.6	75.0-120			4.66	20
1,3,5-Trimethylbenzene	0.0250	0.0220	0.0214	88.2	85.8	75.0-120			2.74	20
Vinyl acetate	0.125	0.222	0.210	178	168	58.0-156	J4	J4	5.51	20
Vinyl chloride	0.0250	0.0237	0.0231	94.9	92.6	63.0-134			2.46	20
Xylenes, Total	0.0750	0.0651	0.0590	86.8	78.7	77.0-120		J4	9.83	20
(S) Toluene-d8				*103*	*104*	*80.0-120*				
(S) Dibromofluoromethane				*109*	*110*	*74.0-131*				
(S) 4-Bromofluorobenzene				*102*	*110*	*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

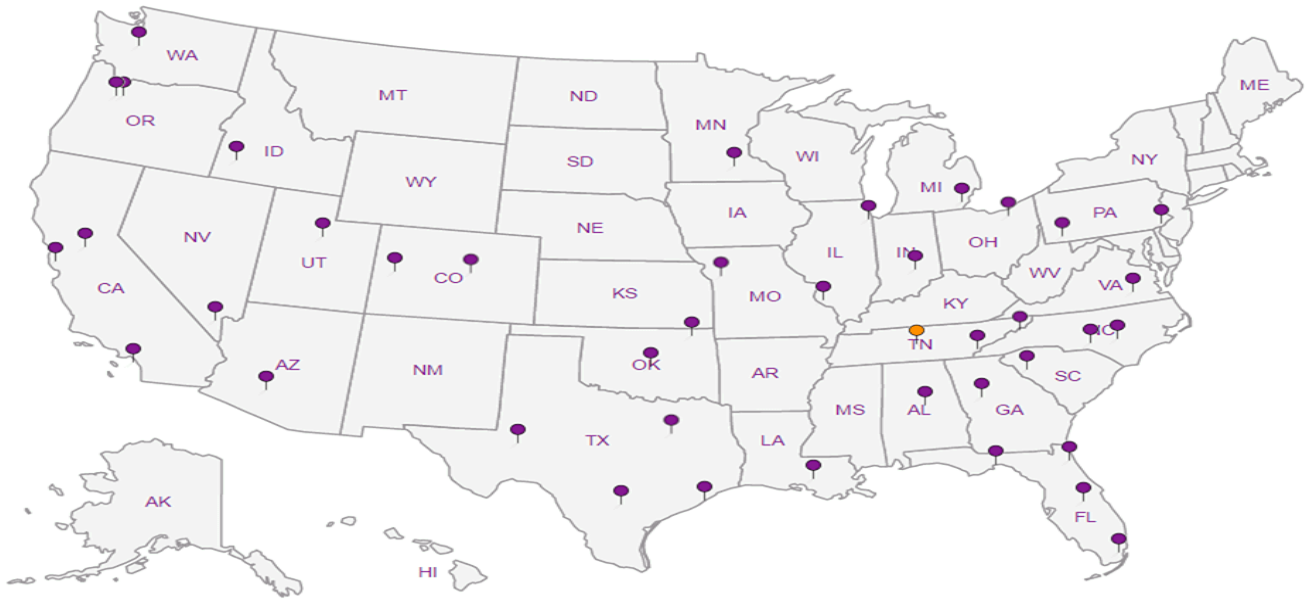
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #

Lab Project #
PESENVSWA-ALP

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R.T. Mayfield

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres										Remarks	Sample # (lab only)
B-910-20	Grab	SS	20	4-23-18	1545	5	X	X											-01
B-248-90		SS	90		1325														02
B-248-85		SS	85		1312														03
B-248-100		SS	100		1340														04
B-248-105		SS	105		1345														05
B-248-80		SS	80		1250														06
B-248-95		SS	95		1330														07
B-248-55		SS	55		1108														08
B-248-115		SS	115		1421														09
B-298-30	X	SS	30	X	1010	X	X	X											10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4269 9216 3051

Relinquished by : (Signature) R.T. Mayfield | Date: 4/24/18 | Time: 1200 | Received by: (Signature)

Relinquished by : (Signature) | Date: | Time: | Received by: (Signature)

Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) BGI

Trip Blank Received: Yes (No) HCL / MeoH TBR

Temp: 1.1 °C | Bottles Received: 50

Date: 4/25/18 | Time: 8:45

If preservation required by Login: Date/Time

Hold:

Conditions: NCF / (OK)

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Chain of Custody Page 1 of 1

ESC LABS SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L988671

D101

Acctnum: PESENVSWA
Template: T134663
Prelogin: P647545
TSR: 110 - Brian Ford
PB: 4-4-18 CM

Shipped Via: FedEX Ground

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	0.0125	J	J	0.0123	0.0617	1	04/30/2018 00:27	WG1104137	
Acrylonitrile	U			0.00221	0.0123	1	04/30/2018 00:27	WG1104137	
Benzene	U			0.000333	0.00123	1	04/30/2018 00:27	WG1104137	
Bromobenzene	U			0.000350	0.00123	1	04/30/2018 00:27	WG1104137	
Bromodichloromethane	U			0.000313	0.00123	1	04/30/2018 00:27	WG1104137	
Bromochloromethane	U			0.000481	0.00617	1	04/30/2018 00:27	WG1104137	
Bromoform	U			0.000523	0.00123	1	04/30/2018 00:27	WG1104137	
Bromomethane	U	UJ	J0	0.00165	0.00617	1	04/30/2018 00:27	WG1104137	
n-Butylbenzene	U			0.000318	0.00123	1	04/30/2018 00:27	WG1104137	
sec-Butylbenzene	U			0.000248	0.00123	1	04/30/2018 00:27	WG1104137	
tert-Butylbenzene	U			0.000254	0.00123	1	04/30/2018 00:27	WG1104137	
Carbon disulfide	U			0.000273	0.00123	1	04/30/2018 00:27	WG1104137	
Carbon tetrachloride	U			0.000405	0.00123	1	04/30/2018 00:27	WG1104137	
Chlorobenzene	U	UJ	J4	0.000262	0.00123	1	04/30/2018 00:27	WG1104137	
Chlorodibromomethane	U			0.000460	0.00123	1	04/30/2018 00:27	WG1104137	
Chloroethane	U			0.00117	0.00617	1	04/30/2018 00:27	WG1104137	
Chloroform	U			0.000283	0.00617	1	04/30/2018 00:27	WG1104137	
Chloromethane	U	UJ	J0	0.000463	0.00309	1	04/30/2018 00:27	WG1104137	
2-Chlorotoluene	U			0.000371	0.00123	1	04/30/2018 00:27	WG1104137	
4-Chlorotoluene	U			0.000296	0.00123	1	04/30/2018 00:27	WG1104137	
1,2-Dibromo-3-Chloropropane	U			0.00130	0.00617	1	04/30/2018 00:27	WG1104137	
1,2-Dibromoethane	U			0.000423	0.00123	1	04/30/2018 00:27	WG1104137	
Dibromomethane	U			0.000471	0.00123	1	04/30/2018 00:27	WG1104137	
1,2-Dichlorobenzene	U			0.000376	0.00123	1	04/30/2018 00:27	WG1104137	
1,3-Dichlorobenzene	U			0.000295	0.00123	1	04/30/2018 00:27	WG1104137	
1,4-Dichlorobenzene	U			0.000279	0.00123	1	04/30/2018 00:27	WG1104137	
Dichlorodifluoromethane	U			0.000880	0.00617	1	04/30/2018 00:27	WG1104137	
1,1-Dichloroethane	U			0.000246	0.00123	1	04/30/2018 00:27	WG1104137	
1,2-Dichloroethane	U			0.000327	0.00123	1	04/30/2018 00:27	WG1104137	
1,1-Dichloroethene	U			0.000374	0.00123	1	04/30/2018 00:27	WG1104137	
cis-1,2-Dichloroethene	U			0.000290	0.00123	1	04/30/2018 00:27	WG1104137	
trans-1,2-Dichloroethene	U			0.000326	0.00123	1	04/30/2018 00:27	WG1104137	
1,2-Dichloropropane	U			0.000442	0.00123	1	04/30/2018 00:27	WG1104137	
1,1-Dichloropropene	U			0.000391	0.00123	1	04/30/2018 00:27	WG1104137	
1,3-Dichloropropane	U			0.000255	0.00123	1	04/30/2018 00:27	WG1104137	
cis-1,3-Dichloropropene	U			0.000323	0.00123	1	04/30/2018 00:27	WG1104137	
trans-1,3-Dichloropropene	U			0.000330	0.00123	1	04/30/2018 00:27	WG1104137	
trans-1,4-Dichloro-2-butene	U			0.000960	0.00309	1	04/30/2018 00:27	WG1104137	
2,2-Dichloropropane	U			0.000344	0.00123	1	04/30/2018 00:27	WG1104137	
Di-isopropyl ether	U			0.000306	0.00123	1	04/30/2018 00:27	WG1104137	
Ethylbenzene	U			0.000367	0.00123	1	04/30/2018 00:27	WG1104137	
Hexachloro-1,3-butadiene	U		J3	0.000422	0.00123	1	04/30/2018 00:27	WG1104137	
2-Hexanone	U			0.00169	0.0123	1	04/30/2018 00:27	WG1104137	
n-Hexane	U			0.000358	0.0123	1	04/30/2018 00:27	WG1104137	
Iodomethane	U			0.00312	0.0123	1	04/30/2018 00:27	WG1104137	
Isopropylbenzene	U			0.000300	0.00123	1	04/30/2018 00:27	WG1104137	JC 5/13/18
p-Isopropyltoluene	U			0.000252	0.00123	1	04/30/2018 00:27	WG1104137	
2-Butanone (MEK)	U			0.00578	0.0123	1	04/30/2018 00:27	WG1104137	
Methylene Chloride	U			0.00123	0.00617	1	04/30/2018 00:27	WG1104137	
4-Methyl-2-pentanone (MIBK)	U			0.00232	0.0123	1	04/30/2018 00:27	WG1104137	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000262	0.00123	1	04/30/2018 00:27	WG1104137
Naphthalene	U		0.00123	0.00617	1	04/30/2018 00:27	WG1104137
n-Propylbenzene	U		0.000254	0.00123	1	04/30/2018 00:27	WG1104137
Styrene	U		0.000289	0.00123	1	04/30/2018 00:27	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000326	0.00123	1	04/30/2018 00:27	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000450	0.00123	1	04/30/2018 00:27	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000450	0.00123	1	04/30/2018 00:27	WG1104137
Tetrachloroethene	U		0.000341	0.00123	1	04/30/2018 00:27	WG1104137
Toluene	U		0.000536	0.00617	1	04/30/2018 00:27	WG1104137
1,2,3-Trichlorobenzene	U		0.000378	0.00123	1	04/30/2018 00:27	WG1104137
1,2,4-Trichlorobenzene	U		0.000479	0.00123	1	04/30/2018 00:27	WG1104137
1,1,1-Trichloroethane	U		0.000353	0.00123	1	04/30/2018 00:27	WG1104137
1,1,2-Trichloroethane	U		0.000342	0.00123	1	04/30/2018 00:27	WG1104137
Trichloroethene	U	UJ J4	0.000344	0.00123	1	04/30/2018 00:27	WG1104137
Trichlorofluoromethane	U		0.000471	0.00617	1	04/30/2018 00:27	WG1104137
1,2,3-Trichloropropane	U		0.000914	0.00309	1	04/30/2018 00:27	WG1104137
1,2,4-Trimethylbenzene	U		0.000260	0.00123	1	04/30/2018 00:27	WG1104137
1,2,3-Trimethylbenzene	U		0.000354	0.00123	1	04/30/2018 00:27	WG1104137
1,3,5-Trimethylbenzene	U		0.000328	0.00123	1	04/30/2018 00:27	WG1104137
Vinyl acetate	U	J4	0.00295	0.0123	1	04/30/2018 00:27	WG1104137
Vinyl chloride	0.000581 J	J	0.000359	0.00123	1	04/30/2018 00:27	WG1104137
Xylenes, Total	U UJ	J4	0.000861	0.00370	1	04/30/2018 00:27	WG1104137
(S) Toluene-d8	*102*			*80.0-120*		*04/30/2018 00:27*	WG1104137
(S) Dibromofluoromethane	*91.8*			*74.0-131*		*04/30/2018 00:27*	WG1104137
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*04/30/2018 00:27*	WG1104137

JC 5/13/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0120	0.0598	1	04/30/2018 00:48	WG1104137	
Acrylonitrile	U		0.00214	0.0120	1	04/30/2018 00:48	WG1104137	
Benzene	U		0.000323	0.00120	1	04/30/2018 00:48	WG1104137	
Bromobenzene	U		0.000340	0.00120	1	04/30/2018 00:48	WG1104137	
Bromodichloromethane	U		0.000304	0.00120	1	04/30/2018 00:48	WG1104137	
Bromochloromethane	U		0.000466	0.00598	1	04/30/2018 00:48	WG1104137	
Bromoform	U		0.000507	0.00120	1	04/30/2018 00:48	WG1104137	
Bromomethane	U	UJ J0	0.00160	0.00598	1	04/30/2018 00:48	WG1104137	
n-Butylbenzene	U		0.000309	0.00120	1	04/30/2018 00:48	WG1104137	
sec-Butylbenzene	U		0.000240	0.00120	1	04/30/2018 00:48	WG1104137	
tert-Butylbenzene	U		0.000246	0.00120	1	04/30/2018 00:48	WG1104137	
Carbon disulfide	0.000323 J	J	0.000264	0.00120	1	04/30/2018 00:48	WG1104137	
Carbon tetrachloride	U		0.000392	0.00120	1	04/30/2018 00:48	WG1104137	
Chlorobenzene	U UJ	J4	0.000254	0.00120	1	04/30/2018 00:48	WG1104137	
Chlorodibromomethane	U		0.000446	0.00120	1	04/30/2018 00:48	WG1104137	
Chloroethane	U		0.00113	0.00598	1	04/30/2018 00:48	WG1104137	
Chloroform	U		0.000274	0.00598	1	04/30/2018 00:48	WG1104137	
Chloromethane	U UJ	J0	0.000449	0.00299	1	04/30/2018 00:48	WG1104137	
2-Chlorotoluene	U		0.000360	0.00120	1	04/30/2018 00:48	WG1104137	
4-Chlorotoluene	U		0.000287	0.00120	1	04/30/2018 00:48	WG1104137	
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00598	1	04/30/2018 00:48	WG1104137	
1,2-Dibromoethane	U		0.000410	0.00120	1	04/30/2018 00:48	WG1104137	
Dibromomethane	U		0.000457	0.00120	1	04/30/2018 00:48	WG1104137	
1,2-Dichlorobenzene	U		0.000365	0.00120	1	04/30/2018 00:48	WG1104137	
1,3-Dichlorobenzene	U		0.000286	0.00120	1	04/30/2018 00:48	WG1104137	
1,4-Dichlorobenzene	U		0.000270	0.00120	1	04/30/2018 00:48	WG1104137	
Dichlorodifluoromethane	U		0.000853	0.00598	1	04/30/2018 00:48	WG1104137	
1,1-Dichloroethane	U		0.000238	0.00120	1	04/30/2018 00:48	WG1104137	
1,2-Dichloroethane	U		0.000317	0.00120	1	04/30/2018 00:48	WG1104137	
1,1-Dichloroethene	U		0.000362	0.00120	1	04/30/2018 00:48	WG1104137	
cis-1,2-Dichloroethene	0.000415 J	J	0.000281	0.00120	1	04/30/2018 00:48	WG1104137	
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	04/30/2018 00:48	WG1104137	
1,2-Dichloropropane	U		0.000428	0.00120	1	04/30/2018 00:48	WG1104137	
1,1-Dichloropropene	U		0.000379	0.00120	1	04/30/2018 00:48	WG1104137	
1,3-Dichloropropane	U		0.000248	0.00120	1	04/30/2018 00:48	WG1104137	
cis-1,3-Dichloropropene	U		0.000313	0.00120	1	04/30/2018 00:48	WG1104137	JC 5/13/18
trans-1,3-Dichloropropene	U		0.000319	0.00120	1	04/30/2018 00:48	WG1104137	
trans-1,4-Dichloro-2-butene	U		0.000931	0.00299	1	04/30/2018 00:48	WG1104137	
2,2-Dichloropropane	U		0.000334	0.00120	1	04/30/2018 00:48	WG1104137	
Di-isopropyl ether	U		0.000297	0.00120	1	04/30/2018 00:48	WG1104137	
Ethylbenzene	U		0.000355	0.00120	1	04/30/2018 00:48	WG1104137	
Hexachloro-1,3-butadiene	U	J3	0.000409	0.00120	1	04/30/2018 00:48	WG1104137	
2-Hexanone	U		0.00164	0.0120	1	04/30/2018 00:48	WG1104137	
n-Hexane	U		0.000347	0.0120	1	04/30/2018 00:48	WG1104137	
Iodomethane	U		0.00303	0.0120	1	04/30/2018 00:48	WG1104137	
Isopropylbenzene	U		0.000291	0.00120	1	04/30/2018 00:48	WG1104137	
p-Isopropyltoluene	U		0.000244	0.00120	1	04/30/2018 00:48	WG1104137	
2-Butanone (MEK)	U		0.00560	0.0120	1	04/30/2018 00:48	WG1104137	
Methylene Chloride	U		0.00120	0.00598	1	04/30/2018 00:48	WG1104137	
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	04/30/2018 00:48	WG1104137	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000254	0.00120	1	04/30/2018 00:48	WG1104137
Naphthalene	U			0.00120	0.00598	1	04/30/2018 00:48	WG1104137
n-Propylbenzene	U			0.000246	0.00120	1	04/30/2018 00:48	WG1104137
Styrene	U			0.000280	0.00120	1	04/30/2018 00:48	WG1104137
1,1,1,2-Tetrachloroethane	U			0.000316	0.00120	1	04/30/2018 00:48	WG1104137
1,1,2,2-Tetrachloroethane	U			0.000437	0.00120	1	04/30/2018 00:48	WG1104137
1,1,2-Trichlorotrifluoroethane	U			0.000437	0.00120	1	04/30/2018 00:48	WG1104137
Tetrachloroethene	U			0.000330	0.00120	1	04/30/2018 00:48	WG1104137
Toluene	U			0.000519	0.00598	1	04/30/2018 00:48	WG1104137
1,2,3-Trichlorobenzene	U			0.000366	0.00120	1	04/30/2018 00:48	WG1104137
1,2,4-Trichlorobenzene	U			0.000464	0.00120	1	04/30/2018 00:48	WG1104137
1,1,1-Trichloroethane	U			0.000342	0.00120	1	04/30/2018 00:48	WG1104137
1,1,2-Trichloroethane	U			0.000331	0.00120	1	04/30/2018 00:48	WG1104137
Trichloroethene	U	UJ	J4	0.000334	0.00120	1	04/30/2018 00:48	WG1104137
Trichlorofluoromethane	U			0.000457	0.00598	1	04/30/2018 00:48	WG1104137
1,2,3-Trichloropropane	U			0.000886	0.00299	1	04/30/2018 00:48	WG1104137
1,2,4-Trimethylbenzene	U			0.000252	0.00120	1	04/30/2018 00:48	WG1104137
1,2,3-Trimethylbenzene	U			0.000343	0.00120	1	04/30/2018 00:48	WG1104137
1,3,5-Trimethylbenzene	U			0.000318	0.00120	1	04/30/2018 00:48	WG1104137
Vinyl acetate	U		J4	0.00286	0.0120	1	04/30/2018 00:48	WG1104137
Vinyl chloride	U			0.000348	0.00120	1	04/30/2018 00:48	WG1104137
Xylenes, Total	U	UJ	J4	0.000835	0.00359	1	04/30/2018 00:48	WG1104137
(S) Toluene-d8	*102*				*80.0-120*		*04/30/2018 00:48*	WG1104137
(S) Dibromofluoromethane	*96.1*				*74.0-131*		*04/30/2018 00:48*	WG1104137
(S) 4-Bromofluorobenzene	*93.8*				*64.0-132*		*04/30/2018 00:48*	WG1104137

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0121	0.0607	1	04/30/2018 01:10	WG1104137	
Acrylonitrile	U		0.00217	0.0121	1	04/30/2018 01:10	WG1104137	
Benzene	U		0.000328	0.00121	1	04/30/2018 01:10	WG1104137	
Bromobenzene	U		0.000345	0.00121	1	04/30/2018 01:10	WG1104137	
Bromodichloromethane	U		0.000308	0.00121	1	04/30/2018 01:10	WG1104137	
Bromochloromethane	U		0.000474	0.00607	1	04/30/2018 01:10	WG1104137	
Bromoform	U		0.000515	0.00121	1	04/30/2018 01:10	WG1104137	
Bromomethane	U	UJ J0	0.00163	0.00607	1	04/30/2018 01:10	WG1104137	
n-Butylbenzene	U		0.000313	0.00121	1	04/30/2018 01:10	WG1104137	
sec-Butylbenzene	U		0.000244	0.00121	1	04/30/2018 01:10	WG1104137	
tert-Butylbenzene	U		0.000250	0.00121	1	04/30/2018 01:10	WG1104137	
Carbon disulfide	0.000577	J J	0.000268	0.00121	1	04/30/2018 01:10	WG1104137	
Carbon tetrachloride	U		0.000398	0.00121	1	04/30/2018 01:10	WG1104137	
Chlorobenzene	U	UJ J4	0.000257	0.00121	1	04/30/2018 01:10	WG1104137	
Chlorodibromomethane	U		0.000453	0.00121	1	04/30/2018 01:10	WG1104137	
Chloroethane	U		0.00115	0.00607	1	04/30/2018 01:10	WG1104137	
Chloroform	U		0.000278	0.00607	1	04/30/2018 01:10	WG1104137	
Chloromethane	U	UJ J0	0.000455	0.00304	1	04/30/2018 01:10	WG1104137	
2-Chlorotoluene	U		0.000365	0.00121	1	04/30/2018 01:10	WG1104137	
4-Chlorotoluene	U		0.000291	0.00121	1	04/30/2018 01:10	WG1104137	
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00607	1	04/30/2018 01:10	WG1104137	
1,2-Dibromoethane	U		0.000416	0.00121	1	04/30/2018 01:10	WG1104137	
Dibromomethane	U		0.000464	0.00121	1	04/30/2018 01:10	WG1104137	
1,2-Dichlorobenzene	U		0.000370	0.00121	1	04/30/2018 01:10	WG1104137	
1,3-Dichlorobenzene	U		0.000290	0.00121	1	04/30/2018 01:10	WG1104137	
1,4-Dichlorobenzene	U		0.000274	0.00121	1	04/30/2018 01:10	WG1104137	
Dichlorodifluoromethane	U		0.000866	0.00607	1	04/30/2018 01:10	WG1104137	
1,1-Dichloroethane	U		0.000242	0.00121	1	04/30/2018 01:10	WG1104137	
1,2-Dichloroethane	U		0.000322	0.00121	1	04/30/2018 01:10	WG1104137	
1,1-Dichloroethene	U		0.000368	0.00121	1	04/30/2018 01:10	WG1104137	
cis-1,2-Dichloroethene	0.00261		0.000285	0.00121	1	04/30/2018 01:10	WG1104137	JC 5/13/18
trans-1,2-Dichloroethene	U		0.000321	0.00121	1	04/30/2018 01:10	WG1104137	
1,2-Dichloropropane	U		0.000435	0.00121	1	04/30/2018 01:10	WG1104137	
1,1-Dichloropropene	U		0.000385	0.00121	1	04/30/2018 01:10	WG1104137	
1,3-Dichloropropane	U		0.000251	0.00121	1	04/30/2018 01:10	WG1104137	
cis-1,3-Dichloropropene	U		0.000318	0.00121	1	04/30/2018 01:10	WG1104137	
trans-1,3-Dichloropropene	U		0.000324	0.00121	1	04/30/2018 01:10	WG1104137	
trans-1,4-Dichloro-2-butene	U		0.000945	0.00304	1	04/30/2018 01:10	WG1104137	
2,2-Dichloropropane	U		0.000339	0.00121	1	04/30/2018 01:10	WG1104137	
Di-isopropyl ether	U		0.000301	0.00121	1	04/30/2018 01:10	WG1104137	
Ethylbenzene	U		0.000361	0.00121	1	04/30/2018 01:10	WG1104137	
Hexachloro-1,3-butadiene	U	J3	0.000415	0.00121	1	04/30/2018 01:10	WG1104137	
2-Hexanone	U		0.00166	0.0121	1	04/30/2018 01:10	WG1104137	
n-Hexane	0.00365	J J	0.000352	0.0121	1	04/30/2018 01:10	WG1104137	
Iodomethane	U		0.00307	0.0121	1	04/30/2018 01:10	WG1104137	
Isopropylbenzene	U		0.000295	0.00121	1	04/30/2018 01:10	WG1104137	
p-Isopropyltoluene	U		0.000248	0.00121	1	04/30/2018 01:10	WG1104137	
2-Butanone (MEK)	U		0.00568	0.0121	1	04/30/2018 01:10	WG1104137	
Methylene Chloride	U		0.00121	0.00607	1	04/30/2018 01:10	WG1104137	
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	04/30/2018 01:10	WG1104137	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000257	0.00121	1	04/30/2018 01:10	WG1104137
Naphthalene	U			0.00121	0.00607	1	04/30/2018 01:10	WG1104137
n-Propylbenzene	U			0.000250	0.00121	1	04/30/2018 01:10	WG1104137
Styrene	U			0.000284	0.00121	1	04/30/2018 01:10	WG1104137
1,1,1,2-Tetrachloroethane	U			0.000321	0.00121	1	04/30/2018 01:10	WG1104137
1,1,2,2-Tetrachloroethane	U			0.000443	0.00121	1	04/30/2018 01:10	WG1104137
1,1,2-Trichlorotrifluoroethane	U			0.000443	0.00121	1	04/30/2018 01:10	WG1104137
Tetrachloroethene	U			0.000335	0.00121	1	04/30/2018 01:10	WG1104137
Toluene	U			0.000527	0.00607	1	04/30/2018 01:10	WG1104137
1,2,3-Trichlorobenzene	U			0.000372	0.00121	1	04/30/2018 01:10	WG1104137
1,2,4-Trichlorobenzene	U			0.000471	0.00121	1	04/30/2018 01:10	WG1104137
1,1,1-Trichloroethane	U			0.000347	0.00121	1	04/30/2018 01:10	WG1104137
1,1,2-Trichloroethane	U			0.000336	0.00121	1	04/30/2018 01:10	WG1104137
Trichloroethene	U	UJ	J4	0.000339	0.00121	1	04/30/2018 01:10	WG1104137
Trichlorofluoromethane	U			0.000464	0.00607	1	04/30/2018 01:10	WG1104137
1,2,3-Trichloropropane	U			0.000900	0.00304	1	04/30/2018 01:10	WG1104137
1,2,4-Trimethylbenzene	U			0.000256	0.00121	1	04/30/2018 01:10	WG1104137
1,2,3-Trimethylbenzene	U			0.000348	0.00121	1	04/30/2018 01:10	WG1104137
1,3,5-Trimethylbenzene	U			0.000323	0.00121	1	04/30/2018 01:10	WG1104137
Vinyl acetate	U		J4	0.00290	0.0121	1	04/30/2018 01:10	WG1104137
Vinyl chloride	0.000378	J	J	0.000353	0.00121	1	04/30/2018 01:10	WG1104137
Xylenes, Total	U	UJ	J4	0.000848	0.00364	1	04/30/2018 01:10	WG1104137
(S) Toluene-d8	*104*				*80.0-120*		*04/30/2018 01:10*	WG1104137
(S) Dibromofluoromethane	*89.6*				*74.0-131*		*04/30/2018 01:10*	WG1104137
(S) 4-Bromofluorobenzene	*97.8*				*64.0-132*		*04/30/2018 01:10*	WG1104137

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0121	0.0607	1	04/30/2018 06:54	WG1104137
Acrylonitrile	U		0.00217	0.0121	1	04/30/2018 06:54	WG1104137
Benzene	U		0.000328	0.00121	1	04/30/2018 06:54	WG1104137
Bromobenzene	U		0.000345	0.00121	1	04/30/2018 06:54	WG1104137
Bromodichloromethane	U		0.000308	0.00121	1	04/30/2018 06:54	WG1104137
Bromochloromethane	U		0.000473	0.00607	1	04/30/2018 06:54	WG1104137
Bromoform	U		0.000514	0.00121	1	04/30/2018 06:54	WG1104137
Bromomethane	U	UJ J0	0.00163	0.00607	1	04/30/2018 06:54	WG1104137
n-Butylbenzene	U		0.000313	0.00121	1	04/30/2018 06:54	WG1104137
sec-Butylbenzene	U		0.000244	0.00121	1	04/30/2018 06:54	WG1104137
tert-Butylbenzene	U		0.000250	0.00121	1	04/30/2018 06:54	WG1104137
Carbon disulfide	0.000422	J J	0.000268	0.00121	1	04/30/2018 06:54	WG1104137
Carbon tetrachloride	U		0.000398	0.00121	1	04/30/2018 06:54	WG1104137
Chlorobenzene	U	UJ J4	0.000257	0.00121	1	04/30/2018 06:54	WG1104137
Chlorodibromomethane	U		0.000452	0.00121	1	04/30/2018 06:54	WG1104137
Chloroethane	U		0.00115	0.00607	1	04/30/2018 06:54	WG1104137
Chloroform	U		0.000278	0.00607	1	04/30/2018 06:54	WG1104137
Chloromethane	U	UJ J0	0.000455	0.00303	1	04/30/2018 06:54	WG1104137
2-Chlorotoluene	U		0.000365	0.00121	1	04/30/2018 06:54	WG1104137
4-Chlorotoluene	U		0.000291	0.00121	1	04/30/2018 06:54	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00607	1	04/30/2018 06:54	WG1104137
1,2-Dibromoethane	U		0.000416	0.00121	1	04/30/2018 06:54	WG1104137
Dibromomethane	U		0.000463	0.00121	1	04/30/2018 06:54	WG1104137
1,2-Dichlorobenzene	U		0.000370	0.00121	1	04/30/2018 06:54	WG1104137
1,3-Dichlorobenzene	U		0.000290	0.00121	1	04/30/2018 06:54	WG1104137
1,4-Dichlorobenzene	U		0.000274	0.00121	1	04/30/2018 06:54	WG1104137
Dichlorodifluoromethane	U		0.000865	0.00607	1	04/30/2018 06:54	WG1104137
1,1-Dichloroethane	U		0.000241	0.00121	1	04/30/2018 06:54	WG1104137
1,2-Dichloroethane	U		0.000321	0.00121	1	04/30/2018 06:54	WG1104137
1,1-Dichloroethene	U		0.000368	0.00121	1	04/30/2018 06:54	WG1104137
cis-1,2-Dichloroethene	0.00541		0.000285	0.00121	1	04/30/2018 06:54	WG1104137
trans-1,2-Dichloroethene	U		0.000320	0.00121	1	04/30/2018 06:54	WG1104137
1,2-Dichloropropane	U		0.000434	0.00121	1	04/30/2018 06:54	WG1104137
1,1-Dichloropropene	U		0.000385	0.00121	1	04/30/2018 06:54	WG1104137
1,3-Dichloropropane	U		0.000251	0.00121	1	04/30/2018 06:54	WG1104137
cis-1,3-Dichloropropene	U		0.000318	0.00121	1	04/30/2018 06:54	WG1104137
trans-1,3-Dichloropropene	U		0.000324	0.00121	1	04/30/2018 06:54	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000944	0.00303	1	04/30/2018 06:54	WG1104137
2,2-Dichloropropane	U		0.000338	0.00121	1	04/30/2018 06:54	WG1104137
Di-isopropyl ether	U		0.000301	0.00121	1	04/30/2018 06:54	WG1104137
Ethylbenzene	U		0.000360	0.00121	1	04/30/2018 06:54	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000415	0.00121	1	04/30/2018 06:54	WG1104137
2-Hexanone	U		0.00166	0.0121	1	04/30/2018 06:54	WG1104137
n-Hexane	0.00263	J J	0.000352	0.0121	1	04/30/2018 06:54	WG1104137
Iodomethane	U		0.00307	0.0121	1	04/30/2018 06:54	WG1104137
Isopropylbenzene	U		0.000295	0.00121	1	04/30/2018 06:54	WG1104137
p-Isopropyltoluene	U		0.000247	0.00121	1	04/30/2018 06:54	WG1104137
2-Butanone (MEK)	U		0.00568	0.0121	1	04/30/2018 06:54	WG1104137
Methylene Chloride	U		0.00121	0.00607	1	04/30/2018 06:54	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0121	1	04/30/2018 06:54	WG1104137

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000257	0.00121	1	04/30/2018 06:54	WG1104137
Naphthalene	U			0.00121	0.00607	1	04/30/2018 06:54	WG1104137
n-Propylbenzene	U			0.000250	0.00121	1	04/30/2018 06:54	WG1104137
Styrene	U			0.000284	0.00121	1	04/30/2018 06:54	WG1104137
1,1,1,2-Tetrachloroethane	U			0.000320	0.00121	1	04/30/2018 06:54	WG1104137
1,1,2,2-Tetrachloroethane	U			0.000443	0.00121	1	04/30/2018 06:54	WG1104137
1,1,2-Trichlorotrifluoroethane	U			0.000443	0.00121	1	04/30/2018 06:54	WG1104137
Tetrachloroethene	U			0.000335	0.00121	1	04/30/2018 06:54	WG1104137
Toluene	U			0.000526	0.00607	1	04/30/2018 06:54	WG1104137
1,2,3-Trichlorobenzene	U			0.000371	0.00121	1	04/30/2018 06:54	WG1104137
1,2,4-Trichlorobenzene	U			0.000471	0.00121	1	04/30/2018 06:54	WG1104137
1,1,1-Trichloroethane	U			0.000347	0.00121	1	04/30/2018 06:54	WG1104137
1,1,2-Trichloroethane	U			0.000336	0.00121	1	04/30/2018 06:54	WG1104137
Trichloroethene	U	UJ	J4	0.000338	0.00121	1	04/30/2018 06:54	WG1104137
Trichlorofluoromethane	U			0.000463	0.00607	1	04/30/2018 06:54	WG1104137
1,2,3-Trichloropropane	U			0.000899	0.00303	1	04/30/2018 06:54	WG1104137
1,2,4-Trimethylbenzene	U			0.000256	0.00121	1	04/30/2018 06:54	WG1104137
1,2,3-Trimethylbenzene	U			0.000348	0.00121	1	04/30/2018 06:54	WG1104137
1,3,5-Trimethylbenzene	U			0.000323	0.00121	1	04/30/2018 06:54	WG1104137
Vinyl acetate	U		J4	0.00290	0.0121	1	04/30/2018 06:54	WG1104137
Vinyl chloride	0.000881	J	J	0.000353	0.00121	1	04/30/2018 06:54	WG1104137
Xylenes, Total	U	UJ	J4	0.000847	0.00364	1	04/30/2018 06:54	WG1104137
(S) Toluene-d8	*102*				*80.0-120*		*04/30/2018 06:54*	WG1104137
(S) Dibromofluoromethane	*92.8*				*74.0-131*		*04/30/2018 06:54*	WG1104137
(S) 4-Bromofluorobenzene	*94.1*				*64.0-132*		*04/30/2018 06:54*	WG1104137

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0188 J	J	0.0108	0.0540	1	04/30/2018 07:15	WG1104137	
Acrylonitrile	U		0.00193	0.0108	1	04/30/2018 07:15	WG1104137	
Benzene	U		0.000292	0.00108	1	04/30/2018 07:15	WG1104137	
Bromobenzene	U		0.000307	0.00108	1	04/30/2018 07:15	WG1104137	
Bromodichloromethane	U		0.000274	0.00108	1	04/30/2018 07:15	WG1104137	
Bromochloromethane	U		0.000421	0.00540	1	04/30/2018 07:15	WG1104137	
Bromoform	U		0.000458	0.00108	1	04/30/2018 07:15	WG1104137	
Bromomethane	U UJ	J0	0.00145	0.00540	1	04/30/2018 07:15	WG1104137	
n-Butylbenzene	U		0.000279	0.00108	1	04/30/2018 07:15	WG1104137	
sec-Butylbenzene	U		0.000217	0.00108	1	04/30/2018 07:15	WG1104137	
tert-Butylbenzene	U		0.000223	0.00108	1	04/30/2018 07:15	WG1104137	
Carbon disulfide	U		0.000239	0.00108	1	04/30/2018 07:15	WG1104137	
Carbon tetrachloride	U		0.000354	0.00108	1	04/30/2018 07:15	WG1104137	
Chlorobenzene	U UJ	J4	0.000229	0.00108	1	04/30/2018 07:15	WG1104137	
Chlorodibromomethane	U		0.000403	0.00108	1	04/30/2018 07:15	WG1104137	
Chloroethane	U UJ	J0	0.00102	0.00540	1	04/30/2018 07:15	WG1104137	
Chloroform	U		0.000247	0.00540	1	04/30/2018 07:15	WG1104137	
Chloromethane	U		0.000405	0.00270	1	04/30/2018 07:15	WG1104137	
2-Chlorotoluene	U		0.000325	0.00108	1	04/30/2018 07:15	WG1104137	
4-Chlorotoluene	U		0.000259	0.00108	1	04/30/2018 07:15	WG1104137	
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	04/30/2018 07:15	WG1104137	
1,2-Dibromoethane	U		0.000371	0.00108	1	04/30/2018 07:15	WG1104137	
Dibromomethane	U		0.000413	0.00108	1	04/30/2018 07:15	WG1104137	
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/30/2018 07:15	WG1104137	
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/30/2018 07:15	WG1104137	JC 5/13/18
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/30/2018 07:15	WG1104137	
Dichlorodifluoromethane	U		0.000770	0.00540	1	04/30/2018 07:15	WG1104137	
1,1-Dichloroethane	U		0.000215	0.00108	1	04/30/2018 07:15	WG1104137	
1,2-Dichloroethane	U		0.000286	0.00108	1	04/30/2018 07:15	WG1104137	
1,1-Dichloroethene	0.00432		0.000327	0.00108	1	04/30/2018 07:15	WG1104137	
cis-1,2-Dichloroethene	0.00880		0.000254	0.00108	1	04/30/2018 07:15	WG1104137	
trans-1,2-Dichloroethene	0.00141		0.000285	0.00108	1	04/30/2018 07:15	WG1104137	
1,2-Dichloropropane	U		0.000387	0.00108	1	04/30/2018 07:15	WG1104137	
1,1-Dichloropropene	U		0.000343	0.00108	1	04/30/2018 07:15	WG1104137	
1,3-Dichloropropane	U		0.000224	0.00108	1	04/30/2018 07:15	WG1104137	
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/30/2018 07:15	WG1104137	
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/30/2018 07:15	WG1104137	
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/30/2018 07:15	WG1104137	
2,2-Dichloropropane	U		0.000301	0.00108	1	04/30/2018 07:15	WG1104137	
Di-isopropyl ether	U		0.000268	0.00108	1	04/30/2018 07:15	WG1104137	
Ethylbenzene	U		0.000321	0.00108	1	04/30/2018 07:15	WG1104137	
Hexachloro-1,3-butadiene	U	J3	0.000370	0.00108	1	04/30/2018 07:15	WG1104137	
2-Hexanone	U		0.00148	0.0108	1	04/30/2018 07:15	WG1104137	
n-Hexane	0.000399 J	J	0.000313	0.0108	1	04/30/2018 07:15	WG1104137	
Iodomethane	U		0.00273	0.0108	1	04/30/2018 07:15	WG1104137	
Isopropylbenzene	U		0.000263	0.00108	1	04/30/2018 07:15	WG1104137	
p-Isopropyltoluene	U		0.000220	0.00108	1	04/30/2018 07:15	WG1104137	
2-Butanone (MEK)	U		0.00506	0.0108	1	04/30/2018 07:15	WG1104137	
Methylene Chloride	U		0.00108	0.00540	1	04/30/2018 07:15	WG1104137	
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/30/2018 07:15	WG1104137	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000229	0.00108	1	04/30/2018 07:15	WG1104137
Naphthalene	U			0.00108	0.00540	1	04/30/2018 07:15	WG1104137
n-Propylbenzene	U			0.000223	0.00108	1	04/30/2018 07:15	WG1104137
Styrene	U			0.000253	0.00108	1	04/30/2018 07:15	WG1104137
1,1,1,2-Tetrachloroethane	U			0.000285	0.00108	1	04/30/2018 07:15	WG1104137
1,1,2,2-Tetrachloroethane	U			0.000394	0.00108	1	04/30/2018 07:15	WG1104137
1,1,2-Trichlorotrifluoroethane	U			0.000394	0.00108	1	04/30/2018 07:15	WG1104137
Tetrachloroethene	0.0102			0.000298	0.00108	1	04/30/2018 07:15	WG1104137
Toluene	U			0.000469	0.00540	1	04/30/2018 07:15	WG1104137
1,2,3-Trichlorobenzene	U			0.000331	0.00108	1	04/30/2018 07:15	WG1104137
1,2,4-Trichlorobenzene	U			0.000419	0.00108	1	04/30/2018 07:15	WG1104137
1,1,1-Trichloroethane	U			0.000309	0.00108	1	04/30/2018 07:15	WG1104137
1,1,2-Trichloroethane	U			0.000299	0.00108	1	04/30/2018 07:15	WG1104137
Trichloroethene	0.0562	J	J4	0.000301	0.00108	1	04/30/2018 07:15	WG1104137
Trichlorofluoromethane	U			0.000413	0.00540	1	04/30/2018 07:15	WG1104137
1,2,3-Trichloropropane	U			0.000801	0.00270	1	04/30/2018 07:15	WG1104137
1,2,4-Trimethylbenzene	U			0.000228	0.00108	1	04/30/2018 07:15	WG1104137
1,2,3-Trimethylbenzene	U			0.000310	0.00108	1	04/30/2018 07:15	WG1104137
1,3,5-Trimethylbenzene	U			0.000287	0.00108	1	04/30/2018 07:15	WG1104137
Vinyl acetate	U		J4	0.00258	0.0108	1	04/30/2018 07:15	WG1104137
Vinyl chloride	U			0.000314	0.00108	1	04/30/2018 07:15	WG1104137
Xylenes, Total	U	UJ	J4	0.000754	0.00324	1	04/30/2018 07:15	WG1104137
(S) Toluene-d8	*100*				*80.0-120*		*04/30/2018 07:15*	WG1104137
(S) Dibromofluoromethane	*98.4*				*74.0-131*		*04/30/2018 07:15*	WG1104137
(S) 4-Bromofluorobenzene	*90.6*				*64.0-132*		*04/30/2018 07:15*	WG1104137

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0184 J	J	0.0120	0.0601	1	04/28/2018 16:40	WG1104137
Acrylonitrile	U		0.00215	0.0120	1	04/28/2018 16:40	WG1104137
Benzene	U		0.000324	0.00120	1	04/28/2018 16:40	WG1104137
Bromobenzene	U		0.000341	0.00120	1	04/28/2018 16:40	WG1104137
Bromodichloromethane	U		0.000305	0.00120	1	04/28/2018 16:40	WG1104137
Bromochloromethane	U		0.000469	0.00601	1	04/28/2018 16:40	WG1104137
Bromoform	U		0.000509	0.00120	1	04/28/2018 16:40	WG1104137
Bromomethane	U		0.00161	0.00601	1	04/28/2018 16:40	WG1104137
n-Butylbenzene	U		0.000310	0.00120	1	04/28/2018 16:40	WG1104137
sec-Butylbenzene	U		0.000242	0.00120	1	04/28/2018 16:40	WG1104137
tert-Butylbenzene	U UJ	J0	0.000248	0.00120	1	04/28/2018 16:40	WG1104137
Carbon disulfide	0.000528 J	J J0	0.000266	0.00120	1	04/28/2018 16:40	WG1104137
Carbon tetrachloride	U		0.000394	0.00120	1	04/28/2018 16:40	WG1104137
Chlorobenzene	U UJ	J4	0.000255	0.00120	1	04/28/2018 16:40	WG1104137
Chlorodibromomethane	U		0.000448	0.00120	1	04/28/2018 16:40	WG1104137
Chloroethane	U		0.00114	0.00601	1	04/28/2018 16:40	WG1104137
Chloroform	U		0.000275	0.00601	1	04/28/2018 16:40	WG1104137
Chloromethane	U		0.000451	0.00300	1	04/28/2018 16:40	WG1104137
2-Chlorotoluene	U		0.000362	0.00120	1	04/28/2018 16:40	WG1104137
4-Chlorotoluene	U		0.000288	0.00120	1	04/28/2018 16:40	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	04/28/2018 16:40	WG1104137
1,2-Dibromoethane	U		0.000412	0.00120	1	04/28/2018 16:40	WG1104137
Dibromomethane	U		0.000459	0.00120	1	04/28/2018 16:40	WG1104137
1,2-Dichlorobenzene	U		0.000366	0.00120	1	04/28/2018 16:40	WG1104137
1,3-Dichlorobenzene	U		0.000287	0.00120	1	04/28/2018 16:40	WG1104137
1,4-Dichlorobenzene	U		0.000272	0.00120	1	04/28/2018 16:40	WG1104137
Dichlorodifluoromethane	U		0.000857	0.00601	1	04/28/2018 16:40	WG1104137
1,1-Dichloroethane	U		0.000239	0.00120	1	04/28/2018 16:40	WG1104137
1,2-Dichloroethane	U		0.000318	0.00120	1	04/28/2018 16:40	WG1104137
1,1-Dichloroethene	U		0.000364	0.00120	1	04/28/2018 16:40	WG1104137
cis-1,2-Dichloroethene	0.00448		0.000282	0.00120	1	04/28/2018 16:40	WG1104137
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	04/28/2018 16:40	WG1104137
1,2-Dichloropropane	U		0.000430	0.00120	1	04/28/2018 16:40	WG1104137
1,1-Dichloropropene	U		0.000381	0.00120	1	04/28/2018 16:40	WG1104137
1,3-Dichloropropane	U		0.000249	0.00120	1	04/28/2018 16:40	WG1104137
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	04/28/2018 16:40	WG1104137
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	04/28/2018 16:40	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000935	0.00300	1	04/28/2018 16:40	WG1104137
2,2-Dichloropropane	U		0.000335	0.00120	1	04/28/2018 16:40	WG1104137
Di-isopropyl ether	U		0.000298	0.00120	1	04/28/2018 16:40	WG1104137
Ethylbenzene	U		0.000357	0.00120	1	04/28/2018 16:40	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000411	0.00120	1	04/28/2018 16:40	WG1104137
2-Hexanone	U		0.00165	0.0120	1	04/28/2018 16:40	WG1104137
n-Hexane	U		0.000348	0.0120	1	04/28/2018 16:40	WG1104137
Iodomethane	U UJ	J0	0.00304	0.0120	1	04/28/2018 16:40	WG1104137
Isopropylbenzene	U		0.000292	0.00120	1	04/28/2018 16:40	WG1104137
p-Isopropyltoluene	U		0.000245	0.00120	1	04/28/2018 16:40	WG1104137
2-Butanone (MEK)	U		0.00562	0.0120	1	04/28/2018 16:40	WG1104137
Methylene Chloride	U		0.00120	0.00601	1	04/28/2018 16:40	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	04/28/2018 16:40	WG1104137

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Methyl tert-butyl ether	U			0.000255	0.00120	1	04/28/2018 16:40	WG1104137	
Naphthalene	U			0.00120	0.00601	1	04/28/2018 16:40	WG1104137	
n-Propylbenzene	U			0.000248	0.00120	1	04/28/2018 16:40	WG1104137	
Styrene	U			0.000281	0.00120	1	04/28/2018 16:40	WG1104137	
1,1,1,2-Tetrachloroethane	U			0.000317	0.00120	1	04/28/2018 16:40	WG1104137	
1,1,2,2-Tetrachloroethane	U			0.000439	0.00120	1	04/28/2018 16:40	WG1104137	
1,1,2-Trichlorotrifluoroethane	U	UJ	J0	0.000439	0.00120	1	04/28/2018 16:40	WG1104137	
Tetrachloroethene	U	UJ	J0	0.000332	0.00120	1	04/28/2018 16:40	WG1104137	
Toluene	U			0.000521	0.00601	1	04/28/2018 16:40	WG1104137	
1,2,3-Trichlorobenzene	U			0.000368	0.00120	1	04/28/2018 16:40	WG1104137	
1,2,4-Trichlorobenzene	U			0.000466	0.00120	1	04/28/2018 16:40	WG1104137	
1,1,1-Trichloroethane	U			0.000344	0.00120	1	04/28/2018 16:40	WG1104137	
1,1,2-Trichloroethane	U			0.000333	0.00120	1	04/28/2018 16:40	WG1104137	
Trichloroethene	0.000439	J	J J0 J4	0.000335	0.00120	1	04/28/2018 16:40	WG1104137	
Trichlorofluoromethane	U			0.000459	0.00601	1	04/28/2018 16:40	WG1104137	
1,2,3-Trichloropropane	U			0.000890	0.00300	1	04/28/2018 16:40	WG1104137	
1,2,4-Trimethylbenzene	U			0.000254	0.00120	1	04/28/2018 16:40	WG1104137	
1,2,3-Trimethylbenzene	U			0.000345	0.00120	1	04/28/2018 16:40	WG1104137	
1,3,5-Trimethylbenzene	U			0.000320	0.00120	1	04/28/2018 16:40	WG1104137	
Vinyl acetate	U		J4	0.00287	0.0120	1	04/28/2018 16:40	WG1104137	
Vinyl chloride	0.00140			0.000350	0.00120	1	04/28/2018 16:40	WG1104137	
Xylenes, Total	U	UJ	J4	0.000839	0.00360	1	04/28/2018 16:40	WG1104137	
(S) Toluene-d8	*103*				*80.0-120*		*04/28/2018 16:40*	WG1104137	JC 5/13/18
(S) Dibromofluoromethane	*127*				*74.0-131*		*04/28/2018 16:40*	WG1104137	
(S) 4-Bromofluorobenzene	*117*				*64.0-132*		*04/28/2018 16:40*	WG1104137	

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.2		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg			mg/kg	mg/kg		date / time		
Acetone	0.0253	J	J	0.0125	0.0623	1	04/30/2018 07:36	WG1104137	
Acrylonitrile	U			0.00223	0.0125	1	04/30/2018 07:36	WG1104137	
Benzene	U			0.000337	0.00125	1	04/30/2018 07:36	WG1104137	
Bromobenzene	U			0.000354	0.00125	1	04/30/2018 07:36	WG1104137	
Bromodichloromethane	U			0.000317	0.00125	1	04/30/2018 07:36	WG1104137	
Bromochloromethane	U			0.000486	0.00623	1	04/30/2018 07:36	WG1104137	
Bromoform	U			0.000529	0.00125	1	04/30/2018 07:36	WG1104137	
Bromomethane	U	UJ	J0	0.00167	0.00623	1	04/30/2018 07:36	WG1104137	
n-Butylbenzene	U			0.000322	0.00125	1	04/30/2018 07:36	WG1104137	
sec-Butylbenzene	U			0.000251	0.00125	1	04/30/2018 07:36	WG1104137	
tert-Butylbenzene	U			0.000257	0.00125	1	04/30/2018 07:36	WG1104137	
Carbon disulfide	U			0.000276	0.00125	1	04/30/2018 07:36	WG1104137	
Carbon tetrachloride	U			0.000409	0.00125	1	04/30/2018 07:36	WG1104137	
Chlorobenzene	U	UJ	J4	0.000264	0.00125	1	04/30/2018 07:36	WG1104137	JC 5/13/18
Chlorodibromomethane	U			0.000465	0.00125	1	04/30/2018 07:36	WG1104137	
Chloroethane	U	UJ	J0	0.00118	0.00623	1	04/30/2018 07:36	WG1104137	
Chloroform	U			0.000286	0.00623	1	04/30/2018 07:36	WG1104137	
Chloromethane	U			0.000468	0.00312	1	04/30/2018 07:36	WG1104137	
2-Chlorotoluene	U			0.000375	0.00125	1	04/30/2018 07:36	WG1104137	
4-Chlorotoluene	U			0.000299	0.00125	1	04/30/2018 07:36	WG1104137	
1,2-Dibromo-3-Chloropropane	U			0.00131	0.00623	1	04/30/2018 07:36	WG1104137	
1,2-Dibromoethane	U			0.000428	0.00125	1	04/30/2018 07:36	WG1104137	
Dibromomethane	U			0.000476	0.00125	1	04/30/2018 07:36	WG1104137	
1,2-Dichlorobenzene	U			0.000380	0.00125	1	04/30/2018 07:36	WG1104137	
1,3-Dichlorobenzene	U			0.000298	0.00125	1	04/30/2018 07:36	WG1104137	
1,4-Dichlorobenzene	U			0.000282	0.00125	1	04/30/2018 07:36	WG1104137	
Dichlorodifluoromethane	U			0.000889	0.00623	1	04/30/2018 07:36	WG1104137	
1,1-Dichloroethane	U			0.000248	0.00125	1	04/30/2018 07:36	WG1104137	
1,2-Dichloroethane	U			0.000330	0.00125	1	04/30/2018 07:36	WG1104137	
1,1-Dichloroethene	U			0.000378	0.00125	1	04/30/2018 07:36	WG1104137	
cis-1,2-Dichloroethene	U			0.000293	0.00125	1	04/30/2018 07:36	WG1104137	
trans-1,2-Dichloroethene	U			0.000329	0.00125	1	04/30/2018 07:36	WG1104137	
1,2-Dichloropropane	U			0.000446	0.00125	1	04/30/2018 07:36	WG1104137	
1,1-Dichloropropene	U			0.000395	0.00125	1	04/30/2018 07:36	WG1104137	
1,3-Dichloropropane	U			0.000258	0.00125	1	04/30/2018 07:36	WG1104137	
cis-1,3-Dichloropropene	U			0.000327	0.00125	1	04/30/2018 07:36	WG1104137	
trans-1,3-Dichloropropene	U			0.000333	0.00125	1	04/30/2018 07:36	WG1104137	
trans-1,4-Dichloro-2-butene	U			0.000970	0.00312	1	04/30/2018 07:36	WG1104137	
2,2-Dichloropropane	U			0.000348	0.00125	1	04/30/2018 07:36	WG1104137	
Di-isopropyl ether	U			0.000309	0.00125	1	04/30/2018 07:36	WG1104137	
Ethylbenzene	U			0.000370	0.00125	1	04/30/2018 07:36	WG1104137	
Hexachloro-1,3-butadiene	U		J3	0.000426	0.00125	1	04/30/2018 07:36	WG1104137	
2-Hexanone	U			0.00171	0.0125	1	04/30/2018 07:36	WG1104137	
n-Hexane	U			0.000362	0.0125	1	04/30/2018 07:36	WG1104137	
Iodomethane	U			0.00315	0.0125	1	04/30/2018 07:36	WG1104137	
Isopropylbenzene	U			0.000303	0.00125	1	04/30/2018 07:36	WG1104137	
p-Isopropyltoluene	U			0.000254	0.00125	1	04/30/2018 07:36	WG1104137	
2-Butanone (MEK)	U			0.00583	0.0125	1	04/30/2018 07:36	WG1104137	
Methylene Chloride	U			0.00125	0.00623	1	04/30/2018 07:36	WG1104137	
4-Methyl-2-pentanone (MIBK)	U			0.00234	0.0125	1	04/30/2018 07:36	WG1104137	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Methyl tert-butyl ether	U			0.000264	0.00125	1	04/30/2018 07:36	WG1104137	
Naphthalene	U			0.00125	0.00623	1	04/30/2018 07:36	WG1104137	
n-Propylbenzene	U			0.000257	0.00125	1	04/30/2018 07:36	WG1104137	
Styrene	U			0.000292	0.00125	1	04/30/2018 07:36	WG1104137	
1,1,1,2-Tetrachloroethane	U			0.000329	0.00125	1	04/30/2018 07:36	WG1104137	
1,1,2,2-Tetrachloroethane	U			0.000455	0.00125	1	04/30/2018 07:36	WG1104137	
1,1,2-Trichlorotrifluoroethane	U			0.000455	0.00125	1	04/30/2018 07:36	WG1104137	
Tetrachloroethene	U			0.000344	0.00125	1	04/30/2018 07:36	WG1104137	
Toluene	U			0.000541	0.00623	1	04/30/2018 07:36	WG1104137	
1,2,3-Trichlorobenzene	U			0.000382	0.00125	1	04/30/2018 07:36	WG1104137	
1,2,4-Trichlorobenzene	U			0.000484	0.00125	1	04/30/2018 07:36	WG1104137	
1,1,1-Trichloroethane	U			0.000357	0.00125	1	04/30/2018 07:36	WG1104137	
1,1,2-Trichloroethane	U			0.000345	0.00125	1	04/30/2018 07:36	WG1104137	
Trichloroethene	U	UJ	J4	0.000348	0.00125	1	04/30/2018 07:36	WG1104137	
Trichlorofluoromethane	U			0.000476	0.00623	1	04/30/2018 07:36	WG1104137	
1,2,3-Trichloropropane	U			0.000924	0.00312	1	04/30/2018 07:36	WG1104137	
1,2,4-Trimethylbenzene	U			0.000263	0.00125	1	04/30/2018 07:36	WG1104137	
1,2,3-Trimethylbenzene	U			0.000358	0.00125	1	04/30/2018 07:36	WG1104137	
1,3,5-Trimethylbenzene	U			0.000332	0.00125	1	04/30/2018 07:36	WG1104137	
Vinyl acetate	U		J4	0.00298	0.0125	1	04/30/2018 07:36	WG1104137	
Vinyl chloride	U			0.000363	0.00125	1	04/30/2018 07:36	WG1104137	
Xylenes, Total	U	UJ	J4	0.000870	0.00374	1	04/30/2018 07:36	WG1104137	JC 5/13/18
(S) Toluene-d8	*103*				*80.0-120*		*04/30/2018 07:36*	WG1104137	
(S) Dibromofluoromethane	*96.8*				*74.0-131*		*04/30/2018 07:36*	WG1104137	
(S) 4-Bromofluorobenzene	*90.8*				*64.0-132*		*04/30/2018 07:36*	WG1104137	

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.251		0.0118	0.0592	1	04/30/2018 08:20	WG1104137	
Acrylonitrile	U		0.00212	0.0118	1	04/30/2018 08:20	WG1104137	
Benzene	U		0.000320	0.00118	1	04/30/2018 08:20	WG1104137	
Bromobenzene	U		0.000336	0.00118	1	04/30/2018 08:20	WG1104137	
Bromodichloromethane	U		0.000301	0.00118	1	04/30/2018 08:20	WG1104137	
Bromochloromethane	U		0.000462	0.00592	1	04/30/2018 08:20	WG1104137	
Bromoform	U		0.000502	0.00118	1	04/30/2018 08:20	WG1104137	
Bromomethane	U	UJ J0	0.00159	0.00592	1	04/30/2018 08:20	WG1104137	
n-Butylbenzene	U		0.000305	0.00118	1	04/30/2018 08:20	WG1104137	
sec-Butylbenzene	U		0.000238	0.00118	1	04/30/2018 08:20	WG1104137	
tert-Butylbenzene	U		0.000244	0.00118	1	04/30/2018 08:20	WG1104137	
Carbon disulfide	0.000573	J J	0.000262	0.00118	1	04/30/2018 08:20	WG1104137	
Carbon tetrachloride	U		0.000388	0.00118	1	04/30/2018 08:20	WG1104137	
Chlorobenzene	U	UJ J4	0.000251	0.00118	1	04/30/2018 08:20	WG1104137	
Chlorodibromomethane	U		0.000441	0.00118	1	04/30/2018 08:20	WG1104137	JC 5/13/18
Chloroethane	U		0.00112	0.00592	1	04/30/2018 08:20	WG1104137	
Chloroform	U		0.000271	0.00592	1	04/30/2018 08:20	WG1104137	
Chloromethane	U	UJ J0	0.000444	0.00296	1	04/30/2018 08:20	WG1104137	
2-Chlorotoluene	U		0.000356	0.00118	1	04/30/2018 08:20	WG1104137	
4-Chlorotoluene	U		0.000284	0.00118	1	04/30/2018 08:20	WG1104137	
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00592	1	04/30/2018 08:20	WG1104137	
1,2-Dibromoethane	U		0.000406	0.00118	1	04/30/2018 08:20	WG1104137	
Dibromomethane	U		0.000452	0.00118	1	04/30/2018 08:20	WG1104137	
1,2-Dichlorobenzene	U		0.000361	0.00118	1	04/30/2018 08:20	WG1104137	
1,3-Dichlorobenzene	U		0.000283	0.00118	1	04/30/2018 08:20	WG1104137	
1,4-Dichlorobenzene	U		0.000267	0.00118	1	04/30/2018 08:20	WG1104137	
Dichlorodifluoromethane	U		0.000844	0.00592	1	04/30/2018 08:20	WG1104137	
1,1-Dichloroethane	U		0.000236	0.00118	1	04/30/2018 08:20	WG1104137	
1,2-Dichloroethane	U		0.000314	0.00118	1	04/30/2018 08:20	WG1104137	
1,1-Dichloroethene	U		0.000359	0.00118	1	04/30/2018 08:20	WG1104137	
cis-1,2-Dichloroethene	U		0.000278	0.00118	1	04/30/2018 08:20	WG1104137	
trans-1,2-Dichloroethene	U		0.000312	0.00118	1	04/30/2018 08:20	WG1104137	
1,2-Dichloropropane	U		0.000424	0.00118	1	04/30/2018 08:20	WG1104137	
1,1-Dichloropropene	U		0.000375	0.00118	1	04/30/2018 08:20	WG1104137	
1,3-Dichloropropane	U		0.000245	0.00118	1	04/30/2018 08:20	WG1104137	
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	04/30/2018 08:20	WG1104137	
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	04/30/2018 08:20	WG1104137	
trans-1,4-Dichloro-2-butene	U		0.000921	0.00296	1	04/30/2018 08:20	WG1104137	
2,2-Dichloropropane	U		0.000330	0.00118	1	04/30/2018 08:20	WG1104137	
Di-isopropyl ether	U		0.000294	0.00118	1	04/30/2018 08:20	WG1104137	
Ethylbenzene	U		0.000352	0.00118	1	04/30/2018 08:20	WG1104137	
Hexachloro-1,3-butadiene	U	J3	0.000405	0.00118	1	04/30/2018 08:20	WG1104137	
2-Hexanone	U		0.00162	0.0118	1	04/30/2018 08:20	WG1104137	
n-Hexane	U		0.000343	0.0118	1	04/30/2018 08:20	WG1104137	
Iodomethane	U		0.00299	0.0118	1	04/30/2018 08:20	WG1104137	
Isopropylbenzene	U		0.000288	0.00118	1	04/30/2018 08:20	WG1104137	
p-Isopropyltoluene	U		0.000241	0.00118	1	04/30/2018 08:20	WG1104137	
2-Butanone (MEK)	0.0534		0.00554	0.0118	1	04/30/2018 08:20	WG1104137	
Methylene Chloride	U		0.00118	0.00592	1	04/30/2018 08:20	WG1104137	
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0118	1	04/30/2018 08:20	WG1104137	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
Methyl tert-butyl ether	U			0.000251	0.00118	1	04/30/2018 08:20	WG1104137	
Naphthalene	U			0.00118	0.00592	1	04/30/2018 08:20	WG1104137	
n-Propylbenzene	U			0.000244	0.00118	1	04/30/2018 08:20	WG1104137	
Styrene	U			0.000277	0.00118	1	04/30/2018 08:20	WG1104137	
1,1,1,2-Tetrachloroethane	U			0.000312	0.00118	1	04/30/2018 08:20	WG1104137	
1,1,2,2-Tetrachloroethane	U			0.000432	0.00118	1	04/30/2018 08:20	WG1104137	
1,1,2-Trichlorotrifluoroethane	U			0.000432	0.00118	1	04/30/2018 08:20	WG1104137	
Tetrachloroethene	U			0.000327	0.00118	1	04/30/2018 08:20	WG1104137	
Toluene	U			0.000514	0.00592	1	04/30/2018 08:20	WG1104137	
1,2,3-Trichlorobenzene	U			0.000362	0.00118	1	04/30/2018 08:20	WG1104137	
1,2,4-Trichlorobenzene	U			0.000459	0.00118	1	04/30/2018 08:20	WG1104137	
1,1,1-Trichloroethane	U			0.000338	0.00118	1	04/30/2018 08:20	WG1104137	
1,1,2-Trichloroethane	U			0.000328	0.00118	1	04/30/2018 08:20	WG1104137	
Trichloroethene	U	UJ	J4	0.000330	0.00118	1	04/30/2018 08:20	WG1104137	
Trichlorofluoromethane	U			0.000452	0.00592	1	04/30/2018 08:20	WG1104137	JC 5/13/18
1,2,3-Trichloropropane	U			0.000877	0.00296	1	04/30/2018 08:20	WG1104137	
1,2,4-Trimethylbenzene	U			0.000250	0.00118	1	04/30/2018 08:20	WG1104137	
1,2,3-Trimethylbenzene	U			0.000340	0.00118	1	04/30/2018 08:20	WG1104137	
1,3,5-Trimethylbenzene	U			0.000315	0.00118	1	04/30/2018 08:20	WG1104137	
Vinyl acetate	U		J4	0.00283	0.0118	1	04/30/2018 08:20	WG1104137	
Vinyl chloride	U			0.000344	0.00118	1	04/30/2018 08:20	WG1104137	
Xylenes, Total	U	UJ	J4	0.000826	0.00355	1	04/30/2018 08:20	WG1104137	
(S) Toluene-d8	*102*				*80.0-120*		*04/30/2018 08:20*	WG1104137	
(S) Dibromofluoromethane	*94.1*				*74.0-131*		*04/30/2018 08:20*	WG1104137	
(S) 4-Bromofluorobenzene	*93.0*				*64.0-132*		*04/30/2018 08:20*	WG1104137	

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0124 J	J	0.0117	0.0585	1	04/28/2018 17:39	WG1104137	
Acrylonitrile	U		0.00209	0.0117	1	04/28/2018 17:39	WG1104137	
Benzene	U		0.000316	0.00117	1	04/28/2018 17:39	WG1104137	
Bromobenzene	U		0.000332	0.00117	1	04/28/2018 17:39	WG1104137	
Bromodichloromethane	U		0.000297	0.00117	1	04/28/2018 17:39	WG1104137	
Bromochloromethane	U		0.000456	0.00585	1	04/28/2018 17:39	WG1104137	
Bromoform	U		0.000496	0.00117	1	04/28/2018 17:39	WG1104137	
Bromomethane	U		0.00157	0.00585	1	04/28/2018 17:39	WG1104137	
n-Butylbenzene	U		0.000302	0.00117	1	04/28/2018 17:39	WG1104137	JC 5/13/18
sec-Butylbenzene	U		0.000235	0.00117	1	04/28/2018 17:39	WG1104137	
tert-Butylbenzene	U UJ	J0	0.000241	0.00117	1	04/28/2018 17:39	WG1104137	
Carbon disulfide	U UJ	J0	0.000258	0.00117	1	04/28/2018 17:39	WG1104137	
Carbon tetrachloride	U		0.000383	0.00117	1	04/28/2018 17:39	WG1104137	
Chlorobenzene	U UJ	J4	0.000248	0.00117	1	04/28/2018 17:39	WG1104137	
Chlorodibromomethane	U		0.000436	0.00117	1	04/28/2018 17:39	WG1104137	
Chloroethane	U		0.00111	0.00585	1	04/28/2018 17:39	WG1104137	
Chloroform	U		0.000268	0.00585	1	04/28/2018 17:39	WG1104137	
Chloromethane	U		0.000438	0.00292	1	04/28/2018 17:39	WG1104137	
2-Chlorotoluene	U		0.000352	0.00117	1	04/28/2018 17:39	WG1104137	
4-Chlorotoluene	U		0.000281	0.00117	1	04/28/2018 17:39	WG1104137	
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00585	1	04/28/2018 17:39	WG1104137	
1,2-Dibromoethane	U		0.000401	0.00117	1	04/28/2018 17:39	WG1104137	
Dibromomethane	U		0.000447	0.00117	1	04/28/2018 17:39	WG1104137	
1,2-Dichlorobenzene	U		0.000357	0.00117	1	04/28/2018 17:39	WG1104137	
1,3-Dichlorobenzene	U		0.000279	0.00117	1	04/28/2018 17:39	WG1104137	
1,4-Dichlorobenzene	U		0.000264	0.00117	1	04/28/2018 17:39	WG1104137	
Dichlorodifluoromethane	U		0.000834	0.00585	1	04/28/2018 17:39	WG1104137	
1,1-Dichloroethane	U		0.000233	0.00117	1	04/28/2018 17:39	WG1104137	
1,2-Dichloroethane	U		0.000310	0.00117	1	04/28/2018 17:39	WG1104137	
1,1-Dichloroethene	0.00156		0.000354	0.00117	1	04/28/2018 17:39	WG1104137	
cis-1,2-Dichloroethene	0.00480		0.000275	0.00117	1	04/28/2018 17:39	WG1104137	
trans-1,2-Dichloroethene	U		0.000309	0.00117	1	04/28/2018 17:39	WG1104137	
1,2-Dichloropropane	U		0.000419	0.00117	1	04/28/2018 17:39	WG1104137	
1,1-Dichloropropene	U		0.000371	0.00117	1	04/28/2018 17:39	WG1104137	
1,3-Dichloropropane	U		0.000242	0.00117	1	04/28/2018 17:39	WG1104137	
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	04/28/2018 17:39	WG1104137	
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	04/28/2018 17:39	WG1104137	
trans-1,4-Dichloro-2-butene	U		0.000910	0.00292	1	04/28/2018 17:39	WG1104137	
2,2-Dichloropropane	U		0.000326	0.00117	1	04/28/2018 17:39	WG1104137	
Di-isopropyl ether	U		0.000290	0.00117	1	04/28/2018 17:39	WG1104137	
Ethylbenzene	U		0.000347	0.00117	1	04/28/2018 17:39	WG1104137	
Hexachloro-1,3-butadiene	U	J3	0.000400	0.00117	1	04/28/2018 17:39	WG1104137	
2-Hexanone	U		0.00160	0.0117	1	04/28/2018 17:39	WG1104137	
n-Hexane	U		0.000339	0.0117	1	04/28/2018 17:39	WG1104137	
Iodomethane	U UJ	J0	0.00296	0.0117	1	04/28/2018 17:39	WG1104137	
Isopropylbenzene	U		0.000284	0.00117	1	04/28/2018 17:39	WG1104137	
p-Isopropyltoluene	U		0.000239	0.00117	1	04/28/2018 17:39	WG1104137	
2-Butanone (MEK)	U		0.00547	0.0117	1	04/28/2018 17:39	WG1104137	
Methylene Chloride	U		0.00117	0.00585	1	04/28/2018 17:39	WG1104137	
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	04/28/2018 17:39	WG1104137	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000248	0.00117	1	04/28/2018 17:39	WG1104137
Naphthalene	U			0.00117	0.00585	1	04/28/2018 17:39	WG1104137
n-Propylbenzene	U			0.000241	0.00117	1	04/28/2018 17:39	WG1104137
Styrene	U			0.000274	0.00117	1	04/28/2018 17:39	WG1104137
1,1,1,2-Tetrachloroethane	U			0.000309	0.00117	1	04/28/2018 17:39	WG1104137
1,1,2,2-Tetrachloroethane	U			0.000427	0.00117	1	04/28/2018 17:39	WG1104137
1,1,2-Trichlorotrifluoroethane	U	UJ	J0	0.000427	0.00117	1	04/28/2018 17:39	WG1104137
Tetrachloroethene	0.00125	UJ	J0	0.000323	0.00117	1	04/28/2018 17:39	WG1104137
Toluene	U			0.000507	0.00585	1	04/28/2018 17:39	WG1104137
1,2,3-Trichlorobenzene	U			0.000358	0.00117	1	04/28/2018 17:39	WG1104137
1,2,4-Trichlorobenzene	U			0.000454	0.00117	1	04/28/2018 17:39	WG1104137
1,1,1-Trichloroethane	U			0.000334	0.00117	1	04/28/2018 17:39	WG1104137
1,1,2-Trichloroethane	U			0.000324	0.00117	1	04/28/2018 17:39	WG1104137
Trichloroethene	0.00615	J	J0 J4	0.000326	0.00117	1	04/28/2018 17:39	WG1104137
Trichlorofluoromethane	U			0.000447	0.00585	1	04/28/2018 17:39	WG1104137
1,2,3-Trichloropropane	U			0.000866	0.00292	1	04/28/2018 17:39	WG1104137
1,2,4-Trimethylbenzene	U			0.000247	0.00117	1	04/28/2018 17:39	WG1104137
1,2,3-Trimethylbenzene	U			0.000336	0.00117	1	04/28/2018 17:39	WG1104137
1,3,5-Trimethylbenzene	U			0.000311	0.00117	1	04/28/2018 17:39	WG1104137
Vinyl acetate	U		J4	0.00279	0.0117	1	04/28/2018 17:39	WG1104137
Vinyl chloride	0.000418	J	J	0.000340	0.00117	1	04/28/2018 17:39	WG1104137
Xylenes, Total	U	UJ	J4	0.000816	0.00351	1	04/28/2018 17:39	WG1104137
(S) Toluene-d8	*99.7*				*80.0-120*		*04/28/2018 17:39*	WG1104137
(S) Dibromofluoromethane	*126*				*74.0-131*		*04/28/2018 17:39*	WG1104137
(S) 4-Bromofluorobenzene	*114*				*64.0-132*		*04/28/2018 17:39*	WG1104137

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	04/27/2018 13:57	WG1104038

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0108	0.0541	1	04/28/2018 17:58	WG1104137	
Acrylonitrile	U		0.00194	0.0108	1	04/28/2018 17:58	WG1104137	
Benzene	U		0.000292	0.00108	1	04/28/2018 17:58	WG1104137	
Bromobenzene	U		0.000307	0.00108	1	04/28/2018 17:58	WG1104137	
Bromodichloromethane	U		0.000275	0.00108	1	04/28/2018 17:58	WG1104137	
Bromochloromethane	U		0.000422	0.00541	1	04/28/2018 17:58	WG1104137	
Bromoform	U		0.000458	0.00108	1	04/28/2018 17:58	WG1104137	
Bromomethane	U		0.00145	0.00541	1	04/28/2018 17:58	WG1104137	
n-Butylbenzene	U		0.000279	0.00108	1	04/28/2018 17:58	WG1104137	
sec-Butylbenzene	U		0.000217	0.00108	1	04/28/2018 17:58	WG1104137	
tert-Butylbenzene	U	UJ J0	0.000223	0.00108	1	04/28/2018 17:58	WG1104137	
Carbon disulfide	U	UJ J0	0.000239	0.00108	1	04/28/2018 17:58	WG1104137	
Carbon tetrachloride	U		0.000355	0.00108	1	04/28/2018 17:58	WG1104137	
Chlorobenzene	U	UJ J4	0.000229	0.00108	1	04/28/2018 17:58	WG1104137	
Chlorodibromomethane	U		0.000403	0.00108	1	04/28/2018 17:58	WG1104137	
Chloroethane	U		0.00102	0.00541	1	04/28/2018 17:58	WG1104137	
Chloroform	U		0.000248	0.00541	1	04/28/2018 17:58	WG1104137	
Chloromethane	U		0.000405	0.00270	1	04/28/2018 17:58	WG1104137	
2-Chlorotoluene	U		0.000325	0.00108	1	04/28/2018 17:58	WG1104137	
4-Chlorotoluene	U		0.000259	0.00108	1	04/28/2018 17:58	WG1104137	
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	04/28/2018 17:58	WG1104137	
1,2-Dibromoethane	U		0.000371	0.00108	1	04/28/2018 17:58	WG1104137	
Dibromomethane	U		0.000413	0.00108	1	04/28/2018 17:58	WG1104137	
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/28/2018 17:58	WG1104137	
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/28/2018 17:58	WG1104137	
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/28/2018 17:58	WG1104137	
Dichlorodifluoromethane	U		0.000771	0.00541	1	04/28/2018 17:58	WG1104137	
1,1-Dichloroethane	U		0.000215	0.00108	1	04/28/2018 17:58	WG1104137	
1,2-Dichloroethane	U		0.000287	0.00108	1	04/28/2018 17:58	WG1104137	
1,1-Dichloroethene	U		0.000328	0.00108	1	04/28/2018 17:58	WG1104137	
cis-1,2-Dichloroethene	0.00122		0.000254	0.00108	1	04/28/2018 17:58	WG1104137	
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	04/28/2018 17:58	WG1104137	
1,2-Dichloropropane	U		0.000387	0.00108	1	04/28/2018 17:58	WG1104137	
1,1-Dichloropropene	U		0.000343	0.00108	1	04/28/2018 17:58	WG1104137	
1,3-Dichloropropane	U		0.000224	0.00108	1	04/28/2018 17:58	WG1104137	
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/28/2018 17:58	WG1104137	
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/28/2018 17:58	WG1104137	
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/28/2018 17:58	WG1104137	
2,2-Dichloropropane	U		0.000302	0.00108	1	04/28/2018 17:58	WG1104137	
Di-isopropyl ether	U		0.000268	0.00108	1	04/28/2018 17:58	WG1104137	
Ethylbenzene	U		0.000321	0.00108	1	04/28/2018 17:58	WG1104137	
Hexachloro-1,3-butadiene	U	J3	0.000370	0.00108	1	04/28/2018 17:58	WG1104137	
2-Hexanone	U		0.00148	0.0108	1	04/28/2018 17:58	WG1104137	
n-Hexane	U		0.000314	0.0108	1	04/28/2018 17:58	WG1104137	
Iodomethane	U	UJ J0	0.00274	0.0108	1	04/28/2018 17:58	WG1104137	
Isopropylbenzene	U		0.000263	0.00108	1	04/28/2018 17:58	WG1104137	JC 5/13/18
p-Isopropyltoluene	U		0.000221	0.00108	1	04/28/2018 17:58	WG1104137	
2-Butanone (MEK)	U		0.00506	0.0108	1	04/28/2018 17:58	WG1104137	
Methylene Chloride	U		0.00108	0.00541	1	04/28/2018 17:58	WG1104137	
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/28/2018 17:58	WG1104137	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000229	0.00108	1	04/28/2018 17:58	WG1104137
Naphthalene	U			0.00108	0.00541	1	04/28/2018 17:58	WG1104137
n-Propylbenzene	U			0.000223	0.00108	1	04/28/2018 17:58	WG1104137
Styrene	U			0.000253	0.00108	1	04/28/2018 17:58	WG1104137
1,1,1,2-Tetrachloroethane	U			0.000285	0.00108	1	04/28/2018 17:58	WG1104137
1,1,2,2-Tetrachloroethane	U			0.000395	0.00108	1	04/28/2018 17:58	WG1104137
1,1,2-Trichlorotrifluoroethane	U	UJ	J0	0.000395	0.00108	1	04/28/2018 17:58	WG1104137
Tetrachloroethene	0.00255	J	J0	0.000298	0.00108	1	04/28/2018 17:58	WG1104137
Toluene	U			0.000469	0.00541	1	04/28/2018 17:58	WG1104137
1,2,3-Trichlorobenzene	U			0.000331	0.00108	1	04/28/2018 17:58	WG1104137
1,2,4-Trichlorobenzene	U			0.000419	0.00108	1	04/28/2018 17:58	WG1104137
1,1,1-Trichloroethane	U			0.000309	0.00108	1	04/28/2018 17:58	WG1104137
1,1,2-Trichloroethane	U			0.000299	0.00108	1	04/28/2018 17:58	WG1104137
Trichloroethene	0.00297	J	J0 J4	0.000302	0.00108	1	04/28/2018 17:58	WG1104137
Trichlorofluoromethane	U			0.000413	0.00541	1	04/28/2018 17:58	WG1104137
1,2,3-Trichloropropane	U			0.000801	0.00270	1	04/28/2018 17:58	WG1104137
1,2,4-Trimethylbenzene	U			0.000228	0.00108	1	04/28/2018 17:58	WG1104137
1,2,3-Trimethylbenzene	U			0.000310	0.00108	1	04/28/2018 17:58	WG1104137
1,3,5-Trimethylbenzene	U			0.000288	0.00108	1	04/28/2018 17:58	WG1104137
Vinyl acetate	U		J4	0.00258	0.0108	1	04/28/2018 17:58	WG1104137
Vinyl chloride	U			0.000315	0.00108	1	04/28/2018 17:58	WG1104137
Xylenes, Total	U	UJ	J4	0.000755	0.00324	1	04/28/2018 17:58	WG1104137
(S) Toluene-d8	*100*				*80.0-120*		*04/28/2018 17:58*	WG1104137
(S) Dibromofluoromethane	*125*				*74.0-131*		*04/28/2018 17:58*	WG1104137
(S) 4-Bromofluorobenzene	*118*				*64.0-132*		*04/28/2018 17:58*	WG1104137

JC 5/13/18

ANALYTICAL REPORT

May 03, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L988727
Samples Received:	04/25/2018
Project Number:	
Description:	

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

B-248-5 L988727-01 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 09:25 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104049	1	04/28/18 09:05	04/28/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 09:25	04/30/18 09:05	JAH

B-248-10 L988727-02 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 09:35 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104049	1	04/28/18 09:05	04/28/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 09:35	04/30/18 09:26	JAH

B-248-15 L988727-03 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 09:45 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104049	1	04/28/18 09:05	04/28/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 09:45	05/01/18 13:02	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 09:45	05/02/18 14:11	CAH

B-248-20 L988727-04 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 09:50 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104049	1	04/28/18 09:05	04/28/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104137	1	04/23/18 09:50	04/30/18 09:47	JAH

B-248-25 L988727-05 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 10:00 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104049	1	04/28/18 09:05	04/28/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 10:00	05/01/18 13:21	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 10:00	05/02/18 14:32	CAH

B-248-35 L988727-06 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 10:25 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104049	1	04/28/18 09:05	04/28/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 10:25	05/01/18 13:40	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 10:25	05/02/18 14:53	CAH

B-248-40 L988727-07 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 10:40 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104049	1	04/28/18 09:05	04/28/18 09:15	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 10:40	05/01/18 13:59	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 10:40	05/02/18 15:14	CAH

B-248-45 L988727-08 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 10:50 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 10:50	05/01/18 14:18	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 10:50	05/02/18 15:34	CAH

B-248-50 L988727-09 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 11:00 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 11:00	05/01/18 14:37	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 11:00	05/02/18 16:58	DWR

B-248-60 L988727-10 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 11:25 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 11:25	05/01/18 14:56	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	10	04/23/18 11:25	05/02/18 15:55	CAH

B-248-65 L988727-11 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 11:40 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 11:40	05/01/18 15:15	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 11:40	05/02/18 15:25	ACG

B-248-70 L988727-12 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 12:20 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 12:20	05/01/18 15:34	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 12:20	05/02/18 15:50	ACG

B-248-75 L988727-13 Solid

Collected by: Rachel McLaughlin | Collected date/time: 04/23/18 12:30 | Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 12:30	05/01/18 15:53	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 12:30	05/02/18 17:18	DWR

B-248-110 L988727-14 Solid

Collected by: Rachel McLaughlin
Collected date/time: 04/23/18 13:50
Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1104046	1	04/27/18 13:34	04/27/18 13:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 13:50	05/01/18 16:12	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1105867	1	04/23/18 13:50	05/02/18 16:40	ACG

TRIP BLANK L988727-15 GW

Collected by: Rachel McLaughlin
Collected date/time: 04/23/18 00:00
Received date/time: 04/25/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103367	1	04/26/18 11:16	04/26/18 11:16	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0226	J	0.0114	0.0571	1	04/30/2018 09:05	WG1104137
Acrylonitrile	U		0.00204	0.0114	1	04/30/2018 09:05	WG1104137
Benzene	U		0.000308	0.00114	1	04/30/2018 09:05	WG1104137
Bromobenzene	U		0.000324	0.00114	1	04/30/2018 09:05	WG1104137
Bromodichloromethane	U		0.000290	0.00114	1	04/30/2018 09:05	WG1104137
Bromochloromethane	U		0.000445	0.00571	1	04/30/2018 09:05	WG1104137
Bromoform	U		0.000484	0.00114	1	04/30/2018 09:05	WG1104137
Bromomethane	U	J0	0.00153	0.00571	1	04/30/2018 09:05	WG1104137
n-Butylbenzene	U		0.000294	0.00114	1	04/30/2018 09:05	WG1104137
sec-Butylbenzene	U		0.000229	0.00114	1	04/30/2018 09:05	WG1104137
tert-Butylbenzene	U		0.000235	0.00114	1	04/30/2018 09:05	WG1104137
Carbon disulfide	U		0.000252	0.00114	1	04/30/2018 09:05	WG1104137
Carbon tetrachloride	U		0.000374	0.00114	1	04/30/2018 09:05	WG1104137
Chlorobenzene	U	J4	0.000242	0.00114	1	04/30/2018 09:05	WG1104137
Chlorodibromomethane	U		0.000426	0.00114	1	04/30/2018 09:05	WG1104137
Chloroethane	U		0.00108	0.00571	1	04/30/2018 09:05	WG1104137
Chloroform	U		0.000261	0.00571	1	04/30/2018 09:05	WG1104137
Chloromethane	U	J0	0.000428	0.00285	1	04/30/2018 09:05	WG1104137
2-Chlorotoluene	U		0.000344	0.00114	1	04/30/2018 09:05	WG1104137
4-Chlorotoluene	U		0.000274	0.00114	1	04/30/2018 09:05	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	04/30/2018 09:05	WG1104137
1,2-Dibromoethane	U		0.000392	0.00114	1	04/30/2018 09:05	WG1104137
Dibromomethane	U		0.000436	0.00114	1	04/30/2018 09:05	WG1104137
1,2-Dichlorobenzene	U		0.000348	0.00114	1	04/30/2018 09:05	WG1104137
1,3-Dichlorobenzene	U		0.000273	0.00114	1	04/30/2018 09:05	WG1104137
1,4-Dichlorobenzene	U		0.000258	0.00114	1	04/30/2018 09:05	WG1104137
Dichlorodifluoromethane	U		0.000814	0.00571	1	04/30/2018 09:05	WG1104137
1,1-Dichloroethane	U		0.000227	0.00114	1	04/30/2018 09:05	WG1104137
1,2-Dichloroethane	U		0.000302	0.00114	1	04/30/2018 09:05	WG1104137
1,1-Dichloroethene	U		0.000346	0.00114	1	04/30/2018 09:05	WG1104137
cis-1,2-Dichloroethene	U		0.000268	0.00114	1	04/30/2018 09:05	WG1104137
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	04/30/2018 09:05	WG1104137
1,2-Dichloropropane	U		0.000409	0.00114	1	04/30/2018 09:05	WG1104137
1,1-Dichloropropene	U		0.000362	0.00114	1	04/30/2018 09:05	WG1104137
1,3-Dichloropropane	U		0.000236	0.00114	1	04/30/2018 09:05	WG1104137
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	04/30/2018 09:05	WG1104137
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	04/30/2018 09:05	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	04/30/2018 09:05	WG1104137
2,2-Dichloropropane	U		0.000318	0.00114	1	04/30/2018 09:05	WG1104137
Di-isopropyl ether	U		0.000283	0.00114	1	04/30/2018 09:05	WG1104137
Ethylbenzene	U		0.000339	0.00114	1	04/30/2018 09:05	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000390	0.00114	1	04/30/2018 09:05	WG1104137
2-Hexanone	U		0.00156	0.0114	1	04/30/2018 09:05	WG1104137
n-Hexane	0.000354	J	0.000331	0.0114	1	04/30/2018 09:05	WG1104137
Iodomethane	U		0.00289	0.0114	1	04/30/2018 09:05	WG1104137
Isopropylbenzene	U		0.000277	0.00114	1	04/30/2018 09:05	WG1104137
p-Isopropyltoluene	U		0.000233	0.00114	1	04/30/2018 09:05	WG1104137
2-Butanone (MEK)	U		0.00534	0.0114	1	04/30/2018 09:05	WG1104137
Methylene Chloride	U		0.00114	0.00571	1	04/30/2018 09:05	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	04/30/2018 09:05	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000242	0.00114	1	04/30/2018 09:05	WG1104137
Naphthalene	U		0.00114	0.00571	1	04/30/2018 09:05	WG1104137
n-Propylbenzene	U		0.000235	0.00114	1	04/30/2018 09:05	WG1104137
Styrene	U		0.000267	0.00114	1	04/30/2018 09:05	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	04/30/2018 09:05	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	04/30/2018 09:05	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	04/30/2018 09:05	WG1104137
Tetrachloroethene	0.00318		0.000315	0.00114	1	04/30/2018 09:05	WG1104137
Toluene	U		0.000495	0.00571	1	04/30/2018 09:05	WG1104137
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	04/30/2018 09:05	WG1104137
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	04/30/2018 09:05	WG1104137
1,1,1-Trichloroethane	U		0.000326	0.00114	1	04/30/2018 09:05	WG1104137
1,1,2-Trichloroethane	U		0.000316	0.00114	1	04/30/2018 09:05	WG1104137
Trichloroethene	U	J4	0.000318	0.00114	1	04/30/2018 09:05	WG1104137
Trichlorofluoromethane	U		0.000436	0.00571	1	04/30/2018 09:05	WG1104137
1,2,3-Trichloropropane	U		0.000846	0.00285	1	04/30/2018 09:05	WG1104137
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	04/30/2018 09:05	WG1104137
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	04/30/2018 09:05	WG1104137
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	04/30/2018 09:05	WG1104137
Vinyl acetate	U	J4	0.00273	0.0114	1	04/30/2018 09:05	WG1104137
Vinyl chloride	U		0.000332	0.00114	1	04/30/2018 09:05	WG1104137
Xylenes, Total	U	J4	0.000797	0.00342	1	04/30/2018 09:05	WG1104137
(S) Toluene-d8	*103*			*80.0-120*		*04/30/2018 09:05*	WG1104137
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*04/30/2018 09:05*	WG1104137
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*		*04/30/2018 09:05*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0112	0.0558	1	04/30/2018 09:26	WG1104137
Acrylonitrile	U		0.00200	0.0112	1	04/30/2018 09:26	WG1104137
Benzene	U		0.000301	0.00112	1	04/30/2018 09:26	WG1104137
Bromobenzene	U		0.000317	0.00112	1	04/30/2018 09:26	WG1104137
Bromodichloromethane	U		0.000283	0.00112	1	04/30/2018 09:26	WG1104137
Bromochloromethane	U		0.000435	0.00558	1	04/30/2018 09:26	WG1104137
Bromoform	U		0.000473	0.00112	1	04/30/2018 09:26	WG1104137
Bromomethane	U	J0	0.00149	0.00558	1	04/30/2018 09:26	WG1104137
n-Butylbenzene	U		0.000288	0.00112	1	04/30/2018 09:26	WG1104137
sec-Butylbenzene	U		0.000224	0.00112	1	04/30/2018 09:26	WG1104137
tert-Butylbenzene	U		0.000230	0.00112	1	04/30/2018 09:26	WG1104137
Carbon disulfide	U		0.000246	0.00112	1	04/30/2018 09:26	WG1104137
Carbon tetrachloride	U		0.000366	0.00112	1	04/30/2018 09:26	WG1104137
Chlorobenzene	U	J4	0.000236	0.00112	1	04/30/2018 09:26	WG1104137
Chlorodibromomethane	U		0.000416	0.00112	1	04/30/2018 09:26	WG1104137
Chloroethane	U		0.00105	0.00558	1	04/30/2018 09:26	WG1104137
Chloroform	U		0.000255	0.00558	1	04/30/2018 09:26	WG1104137
Chloromethane	U	J0	0.000418	0.00279	1	04/30/2018 09:26	WG1104137
2-Chlorotoluene	U		0.000336	0.00112	1	04/30/2018 09:26	WG1104137
4-Chlorotoluene	U		0.000268	0.00112	1	04/30/2018 09:26	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/30/2018 09:26	WG1104137
1,2-Dibromoethane	U		0.000382	0.00112	1	04/30/2018 09:26	WG1104137
Dibromomethane	U		0.000426	0.00112	1	04/30/2018 09:26	WG1104137
1,2-Dichlorobenzene	U		0.000340	0.00112	1	04/30/2018 09:26	WG1104137
1,3-Dichlorobenzene	U		0.000266	0.00112	1	04/30/2018 09:26	WG1104137
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/30/2018 09:26	WG1104137
Dichlorodifluoromethane	U		0.000795	0.00558	1	04/30/2018 09:26	WG1104137
1,1-Dichloroethane	U		0.000222	0.00112	1	04/30/2018 09:26	WG1104137
1,2-Dichloroethane	U		0.000295	0.00112	1	04/30/2018 09:26	WG1104137
1,1-Dichloroethene	U		0.000338	0.00112	1	04/30/2018 09:26	WG1104137
cis-1,2-Dichloroethene	0.000511	J	0.000262	0.00112	1	04/30/2018 09:26	WG1104137
trans-1,2-Dichloroethene	U		0.000294	0.00112	1	04/30/2018 09:26	WG1104137
1,2-Dichloropropane	U		0.000399	0.00112	1	04/30/2018 09:26	WG1104137
1,1-Dichloropropene	U		0.000353	0.00112	1	04/30/2018 09:26	WG1104137
1,3-Dichloropropane	U		0.000231	0.00112	1	04/30/2018 09:26	WG1104137
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	04/30/2018 09:26	WG1104137
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/30/2018 09:26	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000868	0.00279	1	04/30/2018 09:26	WG1104137
2,2-Dichloropropane	U		0.000311	0.00112	1	04/30/2018 09:26	WG1104137
Di-isopropyl ether	U		0.000277	0.00112	1	04/30/2018 09:26	WG1104137
Ethylbenzene	U		0.000331	0.00112	1	04/30/2018 09:26	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000381	0.00112	1	04/30/2018 09:26	WG1104137
2-Hexanone	U		0.00153	0.0112	1	04/30/2018 09:26	WG1104137
n-Hexane	U		0.000323	0.0112	1	04/30/2018 09:26	WG1104137
Iodomethane	U		0.00282	0.0112	1	04/30/2018 09:26	WG1104137
Isopropylbenzene	U		0.000271	0.00112	1	04/30/2018 09:26	WG1104137
p-Isopropyltoluene	U		0.000227	0.00112	1	04/30/2018 09:26	WG1104137
2-Butanone (MEK)	U		0.00522	0.0112	1	04/30/2018 09:26	WG1104137
Methylene Chloride	U		0.00112	0.00558	1	04/30/2018 09:26	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/30/2018 09:26	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000236	0.00112	1	04/30/2018 09:26	WG1104137
Naphthalene	U		0.00112	0.00558	1	04/30/2018 09:26	WG1104137
n-Propylbenzene	U		0.000230	0.00112	1	04/30/2018 09:26	WG1104137
Styrene	U		0.000261	0.00112	1	04/30/2018 09:26	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000294	0.00112	1	04/30/2018 09:26	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	04/30/2018 09:26	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	04/30/2018 09:26	WG1104137
Tetrachloroethene	0.0178		0.000308	0.00112	1	04/30/2018 09:26	WG1104137
Toluene	U		0.000484	0.00558	1	04/30/2018 09:26	WG1104137
1,2,3-Trichlorobenzene	U		0.000341	0.00112	1	04/30/2018 09:26	WG1104137
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	04/30/2018 09:26	WG1104137
1,1,1-Trichloroethane	U		0.000319	0.00112	1	04/30/2018 09:26	WG1104137
1,1,2-Trichloroethane	U		0.000309	0.00112	1	04/30/2018 09:26	WG1104137
Trichloroethene	0.00126	J4	0.000311	0.00112	1	04/30/2018 09:26	WG1104137
Trichlorofluoromethane	U		0.000426	0.00558	1	04/30/2018 09:26	WG1104137
1,2,3-Trichloropropane	U		0.000826	0.00279	1	04/30/2018 09:26	WG1104137
1,2,4-Trimethylbenzene	U		0.000235	0.00112	1	04/30/2018 09:26	WG1104137
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	04/30/2018 09:26	WG1104137
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	04/30/2018 09:26	WG1104137
Vinyl acetate	U	J4	0.00266	0.0112	1	04/30/2018 09:26	WG1104137
Vinyl chloride	U		0.000324	0.00112	1	04/30/2018 09:26	WG1104137
Xylenes, Total	U	J4	0.000778	0.00335	1	04/30/2018 09:26	WG1104137
(S) Toluene-d8	*103*			*80.0-120*		*04/30/2018 09:26*	WG1104137
(S) Dibromofluoromethane	*91.3*			*74.0-131*		*04/30/2018 09:26*	WG1104137
(S) 4-Bromofluorobenzene	*91.4*			*64.0-132*		*04/30/2018 09:26*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0151	0.0275	1	05/02/2018 14:11	WG1105867
Acrylonitrile	U		0.00209	0.0137	1	05/01/2018 13:02	WG1105867
Benzene	U		0.000440	0.00110	1	05/01/2018 13:02	WG1105867
Bromobenzene	U		0.00115	0.0137	1	05/01/2018 13:02	WG1105867
Bromodichloromethane	U		0.000867	0.00275	1	05/01/2018 13:02	WG1105867
Bromochloromethane	U		0.00124	0.00550	1	05/01/2018 13:02	WG1105867
Bromoform	U		0.00658	0.0275	1	05/01/2018 13:02	WG1105867
Bromomethane	U		0.00407	0.0137	1	05/01/2018 13:02	WG1105867
n-Butylbenzene	U		0.00422	0.0137	1	05/01/2018 13:02	WG1105867
sec-Butylbenzene	U		0.00278	0.0137	1	05/01/2018 13:02	WG1105867
tert-Butylbenzene	U		0.00170	0.00550	1	05/01/2018 13:02	WG1105867
Carbon disulfide	U		0.00447	0.0137	1	05/01/2018 13:02	WG1105867
Carbon tetrachloride	U		0.00119	0.00550	1	05/01/2018 13:02	WG1105867
Chlorobenzene	U		0.000630	0.00275	1	05/01/2018 13:02	WG1105867
Chlorodibromomethane	U		0.000495	0.00275	1	05/01/2018 13:02	WG1105867
Chloroethane	U		0.00119	0.00550	1	05/01/2018 13:02	WG1105867
Chloroform	U		0.000456	0.00275	1	05/01/2018 13:02	WG1105867
Chloromethane	U		0.00153	0.0137	1	05/01/2018 13:02	WG1105867
2-Chlorotoluene	U		0.00101	0.00275	1	05/01/2018 13:02	WG1105867
4-Chlorotoluene	U		0.00124	0.00550	1	05/01/2018 13:02	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00561	0.0275	1	05/01/2018 13:02	WG1105867
1,2-Dibromoethane	U		0.000577	0.00275	1	05/01/2018 13:02	WG1105867
Dibromomethane	U		0.00110	0.00550	1	05/01/2018 13:02	WG1105867
1,2-Dichlorobenzene	U		0.00159	0.00550	1	05/01/2018 13:02	WG1105867
1,3-Dichlorobenzene	U		0.00187	0.00550	1	05/01/2018 13:02	WG1105867
1,4-Dichlorobenzene	U		0.00217	0.00550	1	05/01/2018 13:02	WG1105867
Dichlorodifluoromethane	U		0.000900	0.00275	1	05/01/2018 13:02	WG1105867
1,1-Dichloroethane	U		0.000632	0.00275	1	05/01/2018 13:02	WG1105867
1,2-Dichloroethane	U		0.000522	0.00275	1	05/01/2018 13:02	WG1105867
1,1-Dichloroethene	U		0.000550	0.00275	1	05/01/2018 13:02	WG1105867
cis-1,2-Dichloroethene	0.00113	J	0.000759	0.00275	1	05/01/2018 13:02	WG1105867
trans-1,2-Dichloroethene	U		0.00157	0.00550	1	05/01/2018 13:02	WG1105867
1,2-Dichloropropane	U		0.00140	0.00550	1	05/01/2018 13:02	WG1105867
1,1-Dichloropropene	U		0.000770	0.00275	1	05/01/2018 13:02	WG1105867
1,3-Dichloropropane	U		0.00192	0.00550	1	05/01/2018 13:02	WG1105867
cis-1,3-Dichloropropene	U		0.000746	0.00275	1	05/01/2018 13:02	WG1105867
trans-1,3-Dichloropropene	U		0.00168	0.00550	1	05/01/2018 13:02	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00154	0.00550	1	05/01/2018 13:02	WG1105867
2,2-Dichloropropane	U		0.000872	0.00275	1	05/01/2018 13:02	WG1105867
Di-isopropyl ether	U		0.000385	0.00110	1	05/01/2018 13:02	WG1105867
Ethylbenzene	U		0.000583	0.00275	1	05/01/2018 13:02	WG1105867
Hexachloro-1,3-butadiene	U		0.0140	0.0275	1	05/01/2018 13:02	WG1105867
2-Hexanone	U		0.0110	0.0275	1	05/01/2018 13:02	WG1105867
n-Hexane	U		0.00117	0.00550	1	05/01/2018 13:02	WG1105867
Iodomethane	U	J4	0.00665	0.0137	1	05/01/2018 13:02	WG1105867
Isopropylbenzene	U		0.000949	0.00275	1	05/01/2018 13:02	WG1105867
p-Isopropyltoluene	U		0.00256	0.00550	1	05/01/2018 13:02	WG1105867
2-Butanone (MEK)	U		0.0137	0.0275	1	05/01/2018 13:02	WG1105867
Methylene Chloride	U		0.00730	0.0275	1	05/01/2018 13:02	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	05/01/2018 13:02	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000324	0.00110	1	05/01/2018 13:02	WG1105867
Naphthalene	U		0.00343	0.0137	1	05/01/2018 13:02	WG1105867
n-Propylbenzene	U		0.00130	0.00550	1	05/01/2018 13:02	WG1105867
Styrene	U		0.00300	0.0137	1	05/01/2018 13:02	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000550	0.00275	1	05/01/2018 13:02	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000429	0.00275	1	05/01/2018 13:02	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000742	0.00275	1	05/01/2018 13:02	WG1105867
Tetrachloroethene	0.118		0.000770	0.00275	1	05/01/2018 13:02	WG1105867
Toluene	U		0.00137	0.00550	1	05/01/2018 13:02	WG1105867
1,2,3-Trichlorobenzene	U		0.000687	0.00275	1	05/01/2018 13:02	WG1105867
1,2,4-Trichlorobenzene	U		0.00530	0.0137	1	05/01/2018 13:02	WG1105867
1,1,1-Trichloroethane	U		0.000302	0.00275	1	05/01/2018 13:02	WG1105867
1,1,2-Trichloroethane	U		0.000971	0.00275	1	05/01/2018 13:02	WG1105867
Trichloroethene	0.00378		0.000440	0.00110	1	05/01/2018 13:02	WG1105867
Trichlorofluoromethane	U		0.000550	0.00275	1	05/01/2018 13:02	WG1105867
1,2,3-Trichloropropane	U		0.00561	0.0137	1	05/01/2018 13:02	WG1105867
1,2,4-Trimethylbenzene	U		0.00128	0.00550	1	05/01/2018 13:02	WG1105867
1,2,3-Trimethylbenzene	U		0.00126	0.00550	1	05/01/2018 13:02	WG1105867
1,3,5-Trimethylbenzene	U		0.00119	0.00550	1	05/01/2018 13:02	WG1105867
Vinyl acetate	U		0.00387	0.0137	1	05/01/2018 13:02	WG1105867
Vinyl chloride	U		0.000751	0.00275	1	05/01/2018 13:02	WG1105867
Xylenes, Total	U		0.00526	0.00715	1	05/01/2018 13:02	WG1105867
(S) Toluene-d8	*114*			*80.0-120*		*05/02/2018 14:11*	WG1105867
(S) Toluene-d8	*104*			*80.0-120*		*05/01/2018 13:02*	WG1105867
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*05/01/2018 13:02*	WG1105867
(S) Dibromofluoromethane	*94.8*			*74.0-131*		*05/02/2018 14:11*	WG1105867
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*05/02/2018 14:11*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 13:02*	WG1105867

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0108	0.0541	1	04/30/2018 09:47	WG1104137
Acrylonitrile	U		0.00194	0.0108	1	04/30/2018 09:47	WG1104137
Benzene	U		0.000292	0.00108	1	04/30/2018 09:47	WG1104137
Bromobenzene	U		0.000307	0.00108	1	04/30/2018 09:47	WG1104137
Bromodichloromethane	U		0.000275	0.00108	1	04/30/2018 09:47	WG1104137
Bromochloromethane	U		0.000422	0.00541	1	04/30/2018 09:47	WG1104137
Bromoform	U		0.000459	0.00108	1	04/30/2018 09:47	WG1104137
Bromomethane	U	J0	0.00145	0.00541	1	04/30/2018 09:47	WG1104137
n-Butylbenzene	U		0.000279	0.00108	1	04/30/2018 09:47	WG1104137
sec-Butylbenzene	U		0.000217	0.00108	1	04/30/2018 09:47	WG1104137
tert-Butylbenzene	U		0.000223	0.00108	1	04/30/2018 09:47	WG1104137
Carbon disulfide	0.000274	J	0.000239	0.00108	1	04/30/2018 09:47	WG1104137
Carbon tetrachloride	U		0.000355	0.00108	1	04/30/2018 09:47	WG1104137
Chlorobenzene	U	J4	0.000229	0.00108	1	04/30/2018 09:47	WG1104137
Chlorodibromomethane	U		0.000403	0.00108	1	04/30/2018 09:47	WG1104137
Chloroethane	U		0.00102	0.00541	1	04/30/2018 09:47	WG1104137
Chloroform	U		0.000248	0.00541	1	04/30/2018 09:47	WG1104137
Chloromethane	U	J0	0.000406	0.00270	1	04/30/2018 09:47	WG1104137
2-Chlorotoluene	U		0.000326	0.00108	1	04/30/2018 09:47	WG1104137
4-Chlorotoluene	U		0.000260	0.00108	1	04/30/2018 09:47	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	04/30/2018 09:47	WG1104137
1,2-Dibromoethane	U		0.000371	0.00108	1	04/30/2018 09:47	WG1104137
Dibromomethane	U		0.000413	0.00108	1	04/30/2018 09:47	WG1104137
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/30/2018 09:47	WG1104137
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/30/2018 09:47	WG1104137
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/30/2018 09:47	WG1104137
Dichlorodifluoromethane	U		0.000771	0.00541	1	04/30/2018 09:47	WG1104137
1,1-Dichloroethane	U		0.000215	0.00108	1	04/30/2018 09:47	WG1104137
1,2-Dichloroethane	U		0.000287	0.00108	1	04/30/2018 09:47	WG1104137
1,1-Dichloroethene	U		0.000328	0.00108	1	04/30/2018 09:47	WG1104137
cis-1,2-Dichloroethene	0.00426		0.000254	0.00108	1	04/30/2018 09:47	WG1104137
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/30/2018 09:47	WG1104137
1,2-Dichloropropane	U		0.000387	0.00108	1	04/30/2018 09:47	WG1104137
1,1-Dichloropropene	U		0.000343	0.00108	1	04/30/2018 09:47	WG1104137
1,3-Dichloropropane	U		0.000224	0.00108	1	04/30/2018 09:47	WG1104137
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/30/2018 09:47	WG1104137
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/30/2018 09:47	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/30/2018 09:47	WG1104137
2,2-Dichloropropane	U		0.000302	0.00108	1	04/30/2018 09:47	WG1104137
Di-isopropyl ether	U		0.000268	0.00108	1	04/30/2018 09:47	WG1104137
Ethylbenzene	U		0.000321	0.00108	1	04/30/2018 09:47	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000370	0.00108	1	04/30/2018 09:47	WG1104137
2-Hexanone	U		0.00148	0.0108	1	04/30/2018 09:47	WG1104137
n-Hexane	0.00132	J	0.000314	0.0108	1	04/30/2018 09:47	WG1104137
Iodomethane	U		0.00274	0.0108	1	04/30/2018 09:47	WG1104137
Isopropylbenzene	U		0.000263	0.00108	1	04/30/2018 09:47	WG1104137
p-Isopropyltoluene	U		0.000221	0.00108	1	04/30/2018 09:47	WG1104137
2-Butanone (MEK)	U		0.00506	0.0108	1	04/30/2018 09:47	WG1104137
Methylene Chloride	U		0.00108	0.00541	1	04/30/2018 09:47	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/30/2018 09:47	WG1104137

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/30/2018 09:47	WG1104137
Naphthalene	U		0.00108	0.00541	1	04/30/2018 09:47	WG1104137
n-Propylbenzene	U		0.000223	0.00108	1	04/30/2018 09:47	WG1104137
Styrene	U		0.000253	0.00108	1	04/30/2018 09:47	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/30/2018 09:47	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/30/2018 09:47	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/30/2018 09:47	WG1104137
Tetrachloroethene	0.0238		0.000298	0.00108	1	04/30/2018 09:47	WG1104137
Toluene	U		0.000469	0.00541	1	04/30/2018 09:47	WG1104137
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/30/2018 09:47	WG1104137
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/30/2018 09:47	WG1104137
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/30/2018 09:47	WG1104137
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/30/2018 09:47	WG1104137
Trichloroethene	0.00233	J4	0.000302	0.00108	1	04/30/2018 09:47	WG1104137
Trichlorofluoromethane	U		0.000413	0.00541	1	04/30/2018 09:47	WG1104137
1,2,3-Trichloropropane	U		0.000801	0.00270	1	04/30/2018 09:47	WG1104137
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/30/2018 09:47	WG1104137
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/30/2018 09:47	WG1104137
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/30/2018 09:47	WG1104137
Vinyl acetate	U	J4	0.00258	0.0108	1	04/30/2018 09:47	WG1104137
Vinyl chloride	U		0.000315	0.00108	1	04/30/2018 09:47	WG1104137
Xylenes, Total	U	J4	0.000755	0.00324	1	04/30/2018 09:47	WG1104137
(S) Toluene-d8	*103*			*80.0-120*		*04/30/2018 09:47*	WG1104137
(S) Dibromofluoromethane	*92.2*			*74.0-131*		*04/30/2018 09:47*	WG1104137
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*04/30/2018 09:47*	WG1104137

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0161	0.0293	1	05/02/2018 14:32	WG1105867
Acrylonitrile	U		0.00223	0.0147	1	05/01/2018 13:21	WG1105867
Benzene	U		0.000469	0.00117	1	05/01/2018 13:21	WG1105867
Bromobenzene	U		0.00123	0.0147	1	05/01/2018 13:21	WG1105867
Bromodichloromethane	U		0.000925	0.00293	1	05/01/2018 13:21	WG1105867
Bromochloromethane	U		0.00133	0.00587	1	05/01/2018 13:21	WG1105867
Bromoform	U		0.00702	0.0293	1	05/01/2018 13:21	WG1105867
Bromomethane	U		0.00434	0.0147	1	05/01/2018 13:21	WG1105867
n-Butylbenzene	U		0.00451	0.0147	1	05/01/2018 13:21	WG1105867
sec-Butylbenzene	U		0.00297	0.0147	1	05/01/2018 13:21	WG1105867
tert-Butylbenzene	U		0.00182	0.00587	1	05/01/2018 13:21	WG1105867
Carbon disulfide	U		0.00476	0.0147	1	05/01/2018 13:21	WG1105867
Carbon tetrachloride	U		0.00127	0.00587	1	05/01/2018 13:21	WG1105867
Chlorobenzene	U		0.000672	0.00293	1	05/01/2018 13:21	WG1105867
Chlorodibromomethane	U		0.000528	0.00293	1	05/01/2018 13:21	WG1105867
Chloroethane	U		0.00127	0.00587	1	05/01/2018 13:21	WG1105867
Chloroform	U		0.000487	0.00293	1	05/01/2018 13:21	WG1105867
Chloromethane	U		0.00163	0.0147	1	05/01/2018 13:21	WG1105867
2-Chlorotoluene	U		0.00108	0.00293	1	05/01/2018 13:21	WG1105867
4-Chlorotoluene	U		0.00133	0.00587	1	05/01/2018 13:21	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00598	0.0293	1	05/01/2018 13:21	WG1105867
1,2-Dibromoethane	U		0.000616	0.00293	1	05/01/2018 13:21	WG1105867
Dibromomethane	U		0.00117	0.00587	1	05/01/2018 13:21	WG1105867
1,2-Dichlorobenzene	U		0.00170	0.00587	1	05/01/2018 13:21	WG1105867
1,3-Dichlorobenzene	U		0.00199	0.00587	1	05/01/2018 13:21	WG1105867
1,4-Dichlorobenzene	U		0.00231	0.00587	1	05/01/2018 13:21	WG1105867
Dichlorodifluoromethane	U		0.000960	0.00293	1	05/01/2018 13:21	WG1105867
1,1-Dichloroethane	U		0.000675	0.00293	1	05/01/2018 13:21	WG1105867
1,2-Dichloroethane	U		0.000557	0.00293	1	05/01/2018 13:21	WG1105867
1,1-Dichloroethene	U		0.000587	0.00293	1	05/01/2018 13:21	WG1105867
cis-1,2-Dichloroethene	0.0426		0.000810	0.00293	1	05/01/2018 13:21	WG1105867
trans-1,2-Dichloroethene	U		0.00168	0.00587	1	05/01/2018 13:21	WG1105867
1,2-Dichloropropane	U		0.00149	0.00587	1	05/01/2018 13:21	WG1105867
1,1-Dichloropropene	U		0.000821	0.00293	1	05/01/2018 13:21	WG1105867
1,3-Dichloropropane	U		0.00205	0.00587	1	05/01/2018 13:21	WG1105867
cis-1,3-Dichloropropene	U		0.000795	0.00293	1	05/01/2018 13:21	WG1105867
trans-1,3-Dichloropropene	U		0.00180	0.00587	1	05/01/2018 13:21	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00164	0.00587	1	05/01/2018 13:21	WG1105867
2,2-Dichloropropane	U		0.000930	0.00293	1	05/01/2018 13:21	WG1105867
Di-isopropyl ether	U		0.000411	0.00117	1	05/01/2018 13:21	WG1105867
Ethylbenzene	U		0.000622	0.00293	1	05/01/2018 13:21	WG1105867
Hexachloro-1,3-butadiene	U		0.0149	0.0293	1	05/01/2018 13:21	WG1105867
2-Hexanone	U		0.0117	0.0293	1	05/01/2018 13:21	WG1105867
n-Hexane	U		0.00124	0.00587	1	05/01/2018 13:21	WG1105867
Iodomethane	U	J4	0.00710	0.0147	1	05/01/2018 13:21	WG1105867
Isopropylbenzene	U		0.00101	0.00293	1	05/01/2018 13:21	WG1105867
p-Isopropyltoluene	U		0.00273	0.00587	1	05/01/2018 13:21	WG1105867
2-Butanone (MEK)	U		0.0147	0.0293	1	05/01/2018 13:21	WG1105867
Methylene Chloride	U		0.00779	0.0293	1	05/01/2018 13:21	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0293	1	05/01/2018 13:21	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000346	0.00117	1	05/01/2018 13:21	WG1105867
Naphthalene	U		0.00366	0.0147	1	05/01/2018 13:21	WG1105867
n-Propylbenzene	U		0.00138	0.00587	1	05/01/2018 13:21	WG1105867
Styrene	U		0.00320	0.0147	1	05/01/2018 13:21	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000587	0.00293	1	05/01/2018 13:21	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000458	0.00293	1	05/01/2018 13:21	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000792	0.00293	1	05/01/2018 13:21	WG1105867
Tetrachloroethene	0.621		0.000821	0.00293	1	05/01/2018 13:21	WG1105867
Toluene	U		0.00147	0.00587	1	05/01/2018 13:21	WG1105867
1,2,3-Trichlorobenzene	U		0.000733	0.00293	1	05/01/2018 13:21	WG1105867
1,2,4-Trichlorobenzene	U		0.00566	0.0147	1	05/01/2018 13:21	WG1105867
1,1,1-Trichloroethane	U		0.000323	0.00293	1	05/01/2018 13:21	WG1105867
1,1,2-Trichloroethane	U		0.00104	0.00293	1	05/01/2018 13:21	WG1105867
Trichloroethene	0.0667		0.000469	0.00117	1	05/01/2018 13:21	WG1105867
Trichlorofluoromethane	U		0.000587	0.00293	1	05/01/2018 13:21	WG1105867
1,2,3-Trichloropropane	U		0.00598	0.0147	1	05/01/2018 13:21	WG1105867
1,2,4-Trimethylbenzene	U		0.00136	0.00587	1	05/01/2018 13:21	WG1105867
1,2,3-Trimethylbenzene	U		0.00135	0.00587	1	05/01/2018 13:21	WG1105867
1,3,5-Trimethylbenzene	U		0.00127	0.00587	1	05/01/2018 13:21	WG1105867
Vinyl acetate	U		0.00413	0.0147	1	05/01/2018 13:21	WG1105867
Vinyl chloride	U		0.000801	0.00293	1	05/01/2018 13:21	WG1105867
Xylenes, Total	U		0.00561	0.00763	1	05/01/2018 13:21	WG1105867
(S) Toluene-d8	*106*			*80.0-120*		*05/01/2018 13:21*	WG1105867
(S) Toluene-d8	*110*			*80.0-120*		*05/02/2018 14:32*	WG1105867
(S) Dibromofluoromethane	*91.5*			*74.0-131*		*05/01/2018 13:21*	WG1105867
(S) Dibromofluoromethane	*87.8*			*74.0-131*		*05/02/2018 14:32*	WG1105867
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*05/02/2018 14:32*	WG1105867
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*05/01/2018 13:21*	WG1105867

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0148	0.0271	1	05/02/2018 14:53	WG1105867
Acrylonitrile	U		0.00206	0.0135	1	05/01/2018 13:40	WG1105867
Benzene	0.000442	J	0.000433	0.00108	1	05/01/2018 13:40	WG1105867
Bromobenzene	U		0.00114	0.0135	1	05/01/2018 13:40	WG1105867
Bromodichloromethane	U		0.000854	0.00271	1	05/01/2018 13:40	WG1105867
Bromochloromethane	U		0.00122	0.00542	1	05/01/2018 13:40	WG1105867
Bromoform	U		0.00648	0.0271	1	05/01/2018 13:40	WG1105867
Bromomethane	U		0.00401	0.0135	1	05/01/2018 13:40	WG1105867
n-Butylbenzene	U		0.00416	0.0135	1	05/01/2018 13:40	WG1105867
sec-Butylbenzene	U		0.00274	0.0135	1	05/01/2018 13:40	WG1105867
tert-Butylbenzene	U		0.00168	0.00542	1	05/01/2018 13:40	WG1105867
Carbon disulfide	U		0.00440	0.0135	1	05/01/2018 13:40	WG1105867
Carbon tetrachloride	U		0.00117	0.00542	1	05/01/2018 13:40	WG1105867
Chlorobenzene	U		0.000621	0.00271	1	05/01/2018 13:40	WG1105867
Chlorodibromomethane	U		0.000487	0.00271	1	05/01/2018 13:40	WG1105867
Chloroethane	U		0.00117	0.00542	1	05/01/2018 13:40	WG1105867
Chloroform	U		0.000450	0.00271	1	05/01/2018 13:40	WG1105867
Chloromethane	U		0.00151	0.0135	1	05/01/2018 13:40	WG1105867
2-Chlorotoluene	U		0.000997	0.00271	1	05/01/2018 13:40	WG1105867
4-Chlorotoluene	U		0.00122	0.00542	1	05/01/2018 13:40	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00552	0.0271	1	05/01/2018 13:40	WG1105867
1,2-Dibromoethane	U		0.000569	0.00271	1	05/01/2018 13:40	WG1105867
Dibromomethane	U		0.00108	0.00542	1	05/01/2018 13:40	WG1105867
1,2-Dichlorobenzene	U		0.00157	0.00542	1	05/01/2018 13:40	WG1105867
1,3-Dichlorobenzene	U		0.00184	0.00542	1	05/01/2018 13:40	WG1105867
1,4-Dichlorobenzene	U		0.00213	0.00542	1	05/01/2018 13:40	WG1105867
Dichlorodifluoromethane	U		0.000886	0.00271	1	05/01/2018 13:40	WG1105867
1,1-Dichloroethane	U		0.000623	0.00271	1	05/01/2018 13:40	WG1105867
1,2-Dichloroethane	U		0.000515	0.00271	1	05/01/2018 13:40	WG1105867
1,1-Dichloroethene	0.000611	J	0.000542	0.00271	1	05/01/2018 13:40	WG1105867
cis-1,2-Dichloroethene	0.142		0.000747	0.00271	1	05/01/2018 13:40	WG1105867
trans-1,2-Dichloroethene	U		0.00155	0.00542	1	05/01/2018 13:40	WG1105867
1,2-Dichloropropane	U		0.00138	0.00542	1	05/01/2018 13:40	WG1105867
1,1-Dichloropropene	U		0.000758	0.00271	1	05/01/2018 13:40	WG1105867
1,3-Dichloropropane	U		0.00190	0.00542	1	05/01/2018 13:40	WG1105867
cis-1,3-Dichloropropene	U		0.000734	0.00271	1	05/01/2018 13:40	WG1105867
trans-1,3-Dichloropropene	U		0.00166	0.00542	1	05/01/2018 13:40	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00152	0.00542	1	05/01/2018 13:40	WG1105867
2,2-Dichloropropane	U		0.000859	0.00271	1	05/01/2018 13:40	WG1105867
Di-isopropyl ether	U		0.000379	0.00108	1	05/01/2018 13:40	WG1105867
Ethylbenzene	U		0.000574	0.00271	1	05/01/2018 13:40	WG1105867
Hexachloro-1,3-butadiene	U		0.0138	0.0271	1	05/01/2018 13:40	WG1105867
2-Hexanone	U		0.0108	0.0271	1	05/01/2018 13:40	WG1105867
n-Hexane	0.00135	J	0.00115	0.00542	1	05/01/2018 13:40	WG1105867
Iodomethane	U	J4	0.00655	0.0135	1	05/01/2018 13:40	WG1105867
Isopropylbenzene	U		0.000935	0.00271	1	05/01/2018 13:40	WG1105867
p-Isopropyltoluene	U		0.00252	0.00542	1	05/01/2018 13:40	WG1105867
2-Butanone (MEK)	U		0.0135	0.0271	1	05/01/2018 13:40	WG1105867
Methylene Chloride	U		0.00719	0.0271	1	05/01/2018 13:40	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0271	1	05/01/2018 13:40	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.000698	J	0.000320	0.00108	1	05/01/2018 13:40	WG1105867
Naphthalene	U		0.00338	0.0135	1	05/01/2018 13:40	WG1105867
n-Propylbenzene	U		0.00128	0.00542	1	05/01/2018 13:40	WG1105867
Styrene	U		0.00296	0.0135	1	05/01/2018 13:40	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000542	0.00271	1	05/01/2018 13:40	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000422	0.00271	1	05/01/2018 13:40	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000731	0.00271	1	05/01/2018 13:40	WG1105867
Tetrachloroethene	0.122		0.000758	0.00271	1	05/01/2018 13:40	WG1105867
Toluene	0.00178	J	0.00135	0.00542	1	05/01/2018 13:40	WG1105867
1,2,3-Trichlorobenzene	U		0.000677	0.00271	1	05/01/2018 13:40	WG1105867
1,2,4-Trichlorobenzene	U		0.00522	0.0135	1	05/01/2018 13:40	WG1105867
1,1,1-Trichloroethane	U		0.000298	0.00271	1	05/01/2018 13:40	WG1105867
1,1,2-Trichloroethane	U		0.000957	0.00271	1	05/01/2018 13:40	WG1105867
Trichloroethene	0.0456		0.000433	0.00108	1	05/01/2018 13:40	WG1105867
Trichlorofluoromethane	U		0.000542	0.00271	1	05/01/2018 13:40	WG1105867
1,2,3-Trichloropropane	U		0.00552	0.0135	1	05/01/2018 13:40	WG1105867
1,2,4-Trimethylbenzene	U		0.00126	0.00542	1	05/01/2018 13:40	WG1105867
1,2,3-Trimethylbenzene	U		0.00125	0.00542	1	05/01/2018 13:40	WG1105867
1,3,5-Trimethylbenzene	U		0.00117	0.00542	1	05/01/2018 13:40	WG1105867
Vinyl acetate	U		0.00381	0.0135	1	05/01/2018 13:40	WG1105867
Vinyl chloride	U		0.000740	0.00271	1	05/01/2018 13:40	WG1105867
Xylenes, Total	U		0.00518	0.00704	1	05/01/2018 13:40	WG1105867
(S) Toluene-d8	*115*			*80.0-120*		*05/02/2018 14:53*	WG1105867
(S) Toluene-d8	*101*			*80.0-120*		*05/01/2018 13:40*	WG1105867
(S) Dibromofluoromethane	*84.0*			*74.0-131*		*05/01/2018 13:40*	WG1105867
(S) Dibromofluoromethane	*82.2*			*74.0-131*		*05/02/2018 14:53*	WG1105867
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*05/02/2018 14:53*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 13:40*	WG1105867

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0153	0.0279	1	05/02/2018 15:14	WG1105867
Acrylonitrile	U		0.00212	0.0139	1	05/01/2018 13:59	WG1105867
Benzene	0.000463	J	0.000446	0.00111	1	05/01/2018 13:59	WG1105867
Bromobenzene	U		0.00117	0.0139	1	05/01/2018 13:59	WG1105867
Bromodichloromethane	U		0.000879	0.00279	1	05/01/2018 13:59	WG1105867
Bromochloromethane	U		0.00126	0.00557	1	05/01/2018 13:59	WG1105867
Bromoform	U		0.00667	0.0279	1	05/01/2018 13:59	WG1105867
Bromomethane	U		0.00413	0.0139	1	05/01/2018 13:59	WG1105867
n-Butylbenzene	U		0.00428	0.0139	1	05/01/2018 13:59	WG1105867
sec-Butylbenzene	U		0.00282	0.0139	1	05/01/2018 13:59	WG1105867
tert-Butylbenzene	U		0.00173	0.00557	1	05/01/2018 13:59	WG1105867
Carbon disulfide	U		0.00453	0.0139	1	05/01/2018 13:59	WG1105867
Carbon tetrachloride	U		0.00120	0.00557	1	05/01/2018 13:59	WG1105867
Chlorobenzene	U		0.000639	0.00279	1	05/01/2018 13:59	WG1105867
Chlorodibromomethane	U		0.000502	0.00279	1	05/01/2018 13:59	WG1105867
Chloroethane	U		0.00120	0.00557	1	05/01/2018 13:59	WG1105867
Chloroform	U		0.000463	0.00279	1	05/01/2018 13:59	WG1105867
Chloromethane	U		0.00155	0.0139	1	05/01/2018 13:59	WG1105867
2-Chlorotoluene	U		0.00103	0.00279	1	05/01/2018 13:59	WG1105867
4-Chlorotoluene	U		0.00126	0.00557	1	05/01/2018 13:59	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00569	0.0279	1	05/01/2018 13:59	WG1105867
1,2-Dibromoethane	U		0.000585	0.00279	1	05/01/2018 13:59	WG1105867
Dibromomethane	U		0.00111	0.00557	1	05/01/2018 13:59	WG1105867
1,2-Dichlorobenzene	U		0.00162	0.00557	1	05/01/2018 13:59	WG1105867
1,3-Dichlorobenzene	U		0.00190	0.00557	1	05/01/2018 13:59	WG1105867
1,4-Dichlorobenzene	U		0.00220	0.00557	1	05/01/2018 13:59	WG1105867
Dichlorodifluoromethane	U		0.000912	0.00279	1	05/01/2018 13:59	WG1105867
1,1-Dichloroethane	U		0.000641	0.00279	1	05/01/2018 13:59	WG1105867
1,2-Dichloroethane	U		0.000530	0.00279	1	05/01/2018 13:59	WG1105867
1,1-Dichloroethene	U		0.000557	0.00279	1	05/01/2018 13:59	WG1105867
cis-1,2-Dichloroethene	0.0429		0.000769	0.00279	1	05/01/2018 13:59	WG1105867
trans-1,2-Dichloroethene	U		0.00159	0.00557	1	05/01/2018 13:59	WG1105867
1,2-Dichloropropane	U		0.00142	0.00557	1	05/01/2018 13:59	WG1105867
1,1-Dichloropropene	U		0.000780	0.00279	1	05/01/2018 13:59	WG1105867
1,3-Dichloropropane	U		0.00195	0.00557	1	05/01/2018 13:59	WG1105867
cis-1,3-Dichloropropene	U		0.000756	0.00279	1	05/01/2018 13:59	WG1105867
trans-1,3-Dichloropropene	U		0.00171	0.00557	1	05/01/2018 13:59	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00156	0.00557	1	05/01/2018 13:59	WG1105867
2,2-Dichloropropane	U		0.000884	0.00279	1	05/01/2018 13:59	WG1105867
Di-isopropyl ether	U		0.000390	0.00111	1	05/01/2018 13:59	WG1105867
Ethylbenzene	U		0.000591	0.00279	1	05/01/2018 13:59	WG1105867
Hexachloro-1,3-butadiene	U		0.0142	0.0279	1	05/01/2018 13:59	WG1105867
2-Hexanone	U		0.0111	0.0279	1	05/01/2018 13:59	WG1105867
n-Hexane	U		0.00118	0.00557	1	05/01/2018 13:59	WG1105867
Iodomethane	U	J4	0.00675	0.0139	1	05/01/2018 13:59	WG1105867
Isopropylbenzene	U		0.000962	0.00279	1	05/01/2018 13:59	WG1105867
p-Isopropyltoluene	U		0.00260	0.00557	1	05/01/2018 13:59	WG1105867
2-Butanone (MEK)	U		0.0139	0.0279	1	05/01/2018 13:59	WG1105867
Methylene Chloride	U		0.00740	0.0279	1	05/01/2018 13:59	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0279	1	05/01/2018 13:59	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000329	0.00111	1	05/01/2018 13:59	WG1105867
Naphthalene	U		0.00348	0.0139	1	05/01/2018 13:59	WG1105867
n-Propylbenzene	U		0.00132	0.00557	1	05/01/2018 13:59	WG1105867
Styrene	U		0.00304	0.0139	1	05/01/2018 13:59	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000557	0.00279	1	05/01/2018 13:59	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000435	0.00279	1	05/01/2018 13:59	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000753	0.00279	1	05/01/2018 13:59	WG1105867
Tetrachloroethene	0.200		0.000780	0.00279	1	05/01/2018 13:59	WG1105867
Toluene	U		0.00139	0.00557	1	05/01/2018 13:59	WG1105867
1,2,3-Trichlorobenzene	U		0.000697	0.00279	1	05/01/2018 13:59	WG1105867
1,2,4-Trichlorobenzene	U		0.00537	0.0139	1	05/01/2018 13:59	WG1105867
1,1,1-Trichloroethane	U		0.000307	0.00279	1	05/01/2018 13:59	WG1105867
1,1,2-Trichloroethane	U		0.000985	0.00279	1	05/01/2018 13:59	WG1105867
Trichloroethene	0.0599		0.000446	0.00111	1	05/01/2018 13:59	WG1105867
Trichlorofluoromethane	U		0.000557	0.00279	1	05/01/2018 13:59	WG1105867
1,2,3-Trichloropropane	U		0.00569	0.0139	1	05/01/2018 13:59	WG1105867
1,2,4-Trimethylbenzene	U		0.00129	0.00557	1	05/01/2018 13:59	WG1105867
1,2,3-Trimethylbenzene	U		0.00128	0.00557	1	05/01/2018 13:59	WG1105867
1,3,5-Trimethylbenzene	U		0.00120	0.00557	1	05/01/2018 13:59	WG1105867
Vinyl acetate	U		0.00392	0.0139	1	05/01/2018 13:59	WG1105867
Vinyl chloride	0.00574		0.000762	0.00279	1	05/01/2018 13:59	WG1105867
Xylenes, Total	U		0.00533	0.00725	1	05/01/2018 13:59	WG1105867
(S) Toluene-d8	*96.9*			*80.0-120*		*05/01/2018 13:59*	WG1105867
(S) Toluene-d8	*114*			*80.0-120*		*05/02/2018 15:14*	WG1105867
(S) Dibromofluoromethane	*83.7*			*74.0-131*		*05/01/2018 13:59*	WG1105867
(S) Dibromofluoromethane	*86.1*			*74.0-131*		*05/02/2018 15:14*	WG1105867
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/01/2018 13:59*	WG1105867
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*05/02/2018 15:14*	WG1105867

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0156	0.0286	1	05/02/2018 15:34	WG1105867
Acrylonitrile	U		0.00217	0.0143	1	05/01/2018 14:18	WG1105867
Benzene	0.000865	J	0.000457	0.00114	1	05/01/2018 14:18	WG1105867
Bromobenzene	U		0.00120	0.0143	1	05/01/2018 14:18	WG1105867
Bromodichloromethane	U		0.000900	0.00286	1	05/01/2018 14:18	WG1105867
Bromochloromethane	U		0.00129	0.00571	1	05/01/2018 14:18	WG1105867
Bromoform	U		0.00683	0.0286	1	05/01/2018 14:18	WG1105867
Bromomethane	U		0.00423	0.0143	1	05/01/2018 14:18	WG1105867
n-Butylbenzene	U		0.00439	0.0143	1	05/01/2018 14:18	WG1105867
sec-Butylbenzene	U		0.00289	0.0143	1	05/01/2018 14:18	WG1105867
tert-Butylbenzene	U		0.00177	0.00571	1	05/01/2018 14:18	WG1105867
Carbon disulfide	U		0.00464	0.0143	1	05/01/2018 14:18	WG1105867
Carbon tetrachloride	U		0.00123	0.00571	1	05/01/2018 14:18	WG1105867
Chlorobenzene	U		0.000654	0.00286	1	05/01/2018 14:18	WG1105867
Chlorodibromomethane	U		0.000514	0.00286	1	05/01/2018 14:18	WG1105867
Chloroethane	U		0.00123	0.00571	1	05/01/2018 14:18	WG1105867
Chloroform	U		0.000474	0.00286	1	05/01/2018 14:18	WG1105867
Chloromethane	U		0.00159	0.0143	1	05/01/2018 14:18	WG1105867
2-Chlorotoluene	U		0.00105	0.00286	1	05/01/2018 14:18	WG1105867
4-Chlorotoluene	U		0.00129	0.00571	1	05/01/2018 14:18	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00582	0.0286	1	05/01/2018 14:18	WG1105867
1,2-Dibromoethane	U		0.000600	0.00286	1	05/01/2018 14:18	WG1105867
Dibromomethane	U		0.00114	0.00571	1	05/01/2018 14:18	WG1105867
1,2-Dichlorobenzene	U		0.00166	0.00571	1	05/01/2018 14:18	WG1105867
1,3-Dichlorobenzene	U		0.00194	0.00571	1	05/01/2018 14:18	WG1105867
1,4-Dichlorobenzene	U		0.00225	0.00571	1	05/01/2018 14:18	WG1105867
Dichlorodifluoromethane	U		0.000934	0.00286	1	05/01/2018 14:18	WG1105867
1,1-Dichloroethane	U		0.000657	0.00286	1	05/01/2018 14:18	WG1105867
1,2-Dichloroethane	U		0.000542	0.00286	1	05/01/2018 14:18	WG1105867
1,1-Dichloroethene	U		0.000571	0.00286	1	05/01/2018 14:18	WG1105867
cis-1,2-Dichloroethene	0.00492		0.000788	0.00286	1	05/01/2018 14:18	WG1105867
trans-1,2-Dichloroethene	U		0.00163	0.00571	1	05/01/2018 14:18	WG1105867
1,2-Dichloropropane	U		0.00145	0.00571	1	05/01/2018 14:18	WG1105867
1,1-Dichloropropene	U		0.000799	0.00286	1	05/01/2018 14:18	WG1105867
1,3-Dichloropropane	U		0.00200	0.00571	1	05/01/2018 14:18	WG1105867
cis-1,3-Dichloropropene	U		0.000774	0.00286	1	05/01/2018 14:18	WG1105867
trans-1,3-Dichloropropene	U		0.00175	0.00571	1	05/01/2018 14:18	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00160	0.00571	1	05/01/2018 14:18	WG1105867
2,2-Dichloropropane	U		0.000906	0.00286	1	05/01/2018 14:18	WG1105867
Di-isopropyl ether	U		0.000400	0.00114	1	05/01/2018 14:18	WG1105867
Ethylbenzene	U		0.000605	0.00286	1	05/01/2018 14:18	WG1105867
Hexachloro-1,3-butadiene	U		0.0145	0.0286	1	05/01/2018 14:18	WG1105867
2-Hexanone	U		0.0114	0.0286	1	05/01/2018 14:18	WG1105867
n-Hexane	U		0.00121	0.00571	1	05/01/2018 14:18	WG1105867
Iodomethane	U	J4	0.00691	0.0143	1	05/01/2018 14:18	WG1105867
Isopropylbenzene	U		0.000986	0.00286	1	05/01/2018 14:18	WG1105867
p-Isopropyltoluene	U		0.00266	0.00571	1	05/01/2018 14:18	WG1105867
2-Butanone (MEK)	0.0279	J	0.0143	0.0286	1	05/01/2018 14:18	WG1105867
Methylene Chloride	U		0.00758	0.0286	1	05/01/2018 14:18	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0286	1	05/01/2018 14:18	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000337	0.00114	1	05/01/2018 14:18	WG1105867
Naphthalene	U		0.00356	0.0143	1	05/01/2018 14:18	WG1105867
n-Propylbenzene	U		0.00135	0.00571	1	05/01/2018 14:18	WG1105867
Styrene	U		0.00312	0.0143	1	05/01/2018 14:18	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000571	0.00286	1	05/01/2018 14:18	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000445	0.00286	1	05/01/2018 14:18	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000771	0.00286	1	05/01/2018 14:18	WG1105867
Tetrachloroethene	0.0248		0.000799	0.00286	1	05/01/2018 14:18	WG1105867
Toluene	0.00143	J	0.00143	0.00571	1	05/01/2018 14:18	WG1105867
1,2,3-Trichlorobenzene	U		0.000714	0.00286	1	05/01/2018 14:18	WG1105867
1,2,4-Trichlorobenzene	U		0.00550	0.0143	1	05/01/2018 14:18	WG1105867
1,1,1-Trichloroethane	U		0.000314	0.00286	1	05/01/2018 14:18	WG1105867
1,1,2-Trichloroethane	U		0.00101	0.00286	1	05/01/2018 14:18	WG1105867
Trichloroethene	0.00566		0.000457	0.00114	1	05/01/2018 14:18	WG1105867
Trichlorofluoromethane	U		0.000571	0.00286	1	05/01/2018 14:18	WG1105867
1,2,3-Trichloropropane	U		0.00582	0.0143	1	05/01/2018 14:18	WG1105867
1,2,4-Trimethylbenzene	U		0.00132	0.00571	1	05/01/2018 14:18	WG1105867
1,2,3-Trimethylbenzene	U		0.00131	0.00571	1	05/01/2018 14:18	WG1105867
1,3,5-Trimethylbenzene	U		0.00123	0.00571	1	05/01/2018 14:18	WG1105867
Vinyl acetate	U		0.00402	0.0143	1	05/01/2018 14:18	WG1105867
Vinyl chloride	U		0.000780	0.00286	1	05/01/2018 14:18	WG1105867
Xylenes, Total	U		0.00546	0.00742	1	05/01/2018 14:18	WG1105867
(S) Toluene-d8	*81.1*			*80.0-120*		*05/01/2018 14:18*	WG1105867
(S) Toluene-d8	*113*			*80.0-120*		*05/02/2018 15:34*	WG1105867
(S) Dibromofluoromethane	*91.7*			*74.0-131*		*05/02/2018 15:34*	WG1105867
(S) Dibromofluoromethane	*85.4*			*74.0-131*		*05/01/2018 14:18*	WG1105867
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*05/02/2018 15:34*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 14:18*	WG1105867

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	11.3	E	0.0150	0.0273	1	05/02/2018 16:58	WG1105867
Acrylonitrile	U		0.00208	0.0137	1	05/01/2018 14:37	WG1105867
Benzene	0.000945	J	0.000437	0.00109	1	05/01/2018 14:37	WG1105867
Bromobenzene	U		0.00115	0.0137	1	05/01/2018 14:37	WG1105867
Bromodichloromethane	U		0.000862	0.00273	1	05/01/2018 14:37	WG1105867
Bromochloromethane	U		0.00124	0.00547	1	05/01/2018 14:37	WG1105867
Bromoform	U		0.00654	0.0273	1	05/01/2018 14:37	WG1105867
Bromomethane	U		0.00405	0.0137	1	05/01/2018 14:37	WG1105867
n-Butylbenzene	U		0.00420	0.0137	1	05/01/2018 14:37	WG1105867
sec-Butylbenzene	U		0.00277	0.0137	1	05/01/2018 14:37	WG1105867
tert-Butylbenzene	U		0.00169	0.00547	1	05/01/2018 14:37	WG1105867
Carbon disulfide	U		0.00444	0.0137	1	05/01/2018 14:37	WG1105867
Carbon tetrachloride	U		0.00118	0.00547	1	05/01/2018 14:37	WG1105867
Chlorobenzene	U		0.000626	0.00273	1	05/01/2018 14:37	WG1105867
Chlorodibromomethane	U		0.000492	0.00273	1	05/01/2018 14:37	WG1105867
Chloroethane	U		0.00118	0.00547	1	05/01/2018 14:37	WG1105867
Chloroform	U		0.000454	0.00273	1	05/01/2018 14:37	WG1105867
Chloromethane	U		0.00152	0.0137	1	05/01/2018 14:37	WG1105867
2-Chlorotoluene	U		0.00101	0.00273	1	05/01/2018 14:37	WG1105867
4-Chlorotoluene	U		0.00124	0.00547	1	05/01/2018 14:37	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00558	0.0273	1	05/01/2018 14:37	WG1105867
1,2-Dibromoethane	U		0.000574	0.00273	1	05/01/2018 14:37	WG1105867
Dibromomethane	U		0.00109	0.00547	1	05/01/2018 14:37	WG1105867
1,2-Dichlorobenzene	U		0.00159	0.00547	1	05/01/2018 14:37	WG1105867
1,3-Dichlorobenzene	U		0.00186	0.00547	1	05/01/2018 14:37	WG1105867
1,4-Dichlorobenzene	U		0.00215	0.00547	1	05/01/2018 14:37	WG1105867
Dichlorodifluoromethane	U		0.000894	0.00273	1	05/01/2018 14:37	WG1105867
1,1-Dichloroethane	U		0.000629	0.00273	1	05/01/2018 14:37	WG1105867
1,2-Dichloroethane	U		0.000519	0.00273	1	05/01/2018 14:37	WG1105867
1,1-Dichloroethene	U		0.000547	0.00273	1	05/01/2018 14:37	WG1105867
cis-1,2-Dichloroethene	0.00350		0.000754	0.00273	1	05/01/2018 14:37	WG1105867
trans-1,2-Dichloroethene	U		0.00156	0.00547	1	05/01/2018 14:37	WG1105867
1,2-Dichloropropane	U		0.00139	0.00547	1	05/01/2018 14:37	WG1105867
1,1-Dichloropropene	U		0.000765	0.00273	1	05/01/2018 14:37	WG1105867
1,3-Dichloropropane	U		0.00191	0.00547	1	05/01/2018 14:37	WG1105867
cis-1,3-Dichloropropene	U		0.000741	0.00273	1	05/01/2018 14:37	WG1105867
trans-1,3-Dichloropropene	U		0.00167	0.00547	1	05/01/2018 14:37	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00153	0.00547	1	05/01/2018 14:37	WG1105867
2,2-Dichloropropane	U		0.000867	0.00273	1	05/01/2018 14:37	WG1105867
Di-isopropyl ether	U		0.000383	0.00109	1	05/01/2018 14:37	WG1105867
Ethylbenzene	U		0.000579	0.00273	1	05/01/2018 14:37	WG1105867
Hexachloro-1,3-butadiene	U		0.0139	0.0273	1	05/01/2018 14:37	WG1105867
2-Hexanone	0.0928		0.0109	0.0273	1	05/01/2018 14:37	WG1105867
n-Hexane	0.00407	J	0.00116	0.00547	1	05/01/2018 14:37	WG1105867
Iodomethane	U	J4	0.00661	0.0137	1	05/01/2018 14:37	WG1105867
Isopropylbenzene	U		0.000944	0.00273	1	05/01/2018 14:37	WG1105867
p-Isopropyltoluene	U		0.00255	0.00547	1	05/01/2018 14:37	WG1105867
2-Butanone (MEK)	U		0.0137	0.0273	1	05/01/2018 14:37	WG1105867
Methylene Chloride	U		0.00726	0.0273	1	05/01/2018 14:37	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0273	1	05/01/2018 14:37	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000323	0.00109	1	05/01/2018 14:37	WG1105867
Naphthalene	U		0.00341	0.0137	1	05/01/2018 14:37	WG1105867
n-Propylbenzene	U		0.00129	0.00547	1	05/01/2018 14:37	WG1105867
Styrene	U		0.00298	0.0137	1	05/01/2018 14:37	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000547	0.00273	1	05/01/2018 14:37	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000426	0.00273	1	05/01/2018 14:37	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000738	0.00273	1	05/01/2018 14:37	WG1105867
Tetrachloroethene	0.0109		0.000765	0.00273	1	05/01/2018 14:37	WG1105867
Toluene	0.00163	J	0.00137	0.00547	1	05/01/2018 14:37	WG1105867
1,2,3-Trichlorobenzene	U		0.000683	0.00273	1	05/01/2018 14:37	WG1105867
1,2,4-Trichlorobenzene	U		0.00527	0.0137	1	05/01/2018 14:37	WG1105867
1,1,1-Trichloroethane	U		0.000301	0.00273	1	05/01/2018 14:37	WG1105867
1,1,2-Trichloroethane	U		0.000965	0.00273	1	05/01/2018 14:37	WG1105867
Trichloroethene	0.00177		0.000437	0.00109	1	05/01/2018 14:37	WG1105867
Trichlorofluoromethane	U		0.000547	0.00273	1	05/01/2018 14:37	WG1105867
1,2,3-Trichloropropane	U		0.00558	0.0137	1	05/01/2018 14:37	WG1105867
1,2,4-Trimethylbenzene	U		0.00127	0.00547	1	05/01/2018 14:37	WG1105867
1,2,3-Trimethylbenzene	U		0.00126	0.00547	1	05/01/2018 14:37	WG1105867
1,3,5-Trimethylbenzene	U		0.00118	0.00547	1	05/01/2018 14:37	WG1105867
Vinyl acetate	U		0.00385	0.0137	1	05/01/2018 14:37	WG1105867
Vinyl chloride	0.00167	J	0.000747	0.00273	1	05/01/2018 14:37	WG1105867
Xylenes, Total	U		0.00523	0.00711	1	05/01/2018 14:37	WG1105867
(S) Toluene-d8	*113*			*80.0-120*		*05/02/2018 16:58*	WG1105867
(S) Toluene-d8	*109*			*80.0-120*		*05/01/2018 14:37*	WG1105867
(S) Dibromofluoromethane	*76.4*			*74.0-131*		*05/02/2018 16:58*	WG1105867
(S) Dibromofluoromethane	*62.8*	J2		*74.0-131*		*05/01/2018 14:37*	WG1105867
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*05/01/2018 14:37*	WG1105867
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*05/02/2018 16:58*	WG1105867

Sample Narrative:

L988727-09 WG1105867: Insufficient methanol volume to run at a higher dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.3		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.147	0.268	10	05/02/2018 15:55	WG1105867
Acrylonitrile	U		0.00204	0.0134	1	05/01/2018 14:56	WG1105867
Benzene	0.000549	J	0.000429	0.00107	1	05/01/2018 14:56	WG1105867
Bromobenzene	U		0.00113	0.0134	1	05/01/2018 14:56	WG1105867
Bromodichloromethane	U		0.000845	0.00268	1	05/01/2018 14:56	WG1105867
Bromochloromethane	U		0.00121	0.00536	1	05/01/2018 14:56	WG1105867
Bromoform	U		0.00641	0.0268	1	05/01/2018 14:56	WG1105867
Bromomethane	U		0.00397	0.0134	1	05/01/2018 14:56	WG1105867
n-Butylbenzene	U		0.00412	0.0134	1	05/01/2018 14:56	WG1105867
sec-Butylbenzene	U		0.00271	0.0134	1	05/01/2018 14:56	WG1105867
tert-Butylbenzene	U		0.00166	0.00536	1	05/01/2018 14:56	WG1105867
Carbon disulfide	U		0.00435	0.0134	1	05/01/2018 14:56	WG1105867
Carbon tetrachloride	U		0.00116	0.00536	1	05/01/2018 14:56	WG1105867
Chlorobenzene	U		0.000614	0.00268	1	05/01/2018 14:56	WG1105867
Chlorodibromomethane	U		0.000482	0.00268	1	05/01/2018 14:56	WG1105867
Chloroethane	U		0.00116	0.00536	1	05/01/2018 14:56	WG1105867
Chloroform	U		0.000445	0.00268	1	05/01/2018 14:56	WG1105867
Chloromethane	U		0.00149	0.0134	1	05/01/2018 14:56	WG1105867
2-Chlorotoluene	U		0.000986	0.00268	1	05/01/2018 14:56	WG1105867
4-Chlorotoluene	U		0.00121	0.00536	1	05/01/2018 14:56	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00547	0.0268	1	05/01/2018 14:56	WG1105867
1,2-Dibromoethane	U		0.000563	0.00268	1	05/01/2018 14:56	WG1105867
Dibromomethane	U		0.00107	0.00536	1	05/01/2018 14:56	WG1105867
1,2-Dichlorobenzene	U		0.00155	0.00536	1	05/01/2018 14:56	WG1105867
1,3-Dichlorobenzene	U		0.00182	0.00536	1	05/01/2018 14:56	WG1105867
1,4-Dichlorobenzene	U		0.00211	0.00536	1	05/01/2018 14:56	WG1105867
Dichlorodifluoromethane	U		0.000877	0.00268	1	05/01/2018 14:56	WG1105867
1,1-Dichloroethane	U		0.000616	0.00268	1	05/01/2018 14:56	WG1105867
1,2-Dichloroethane	U		0.000509	0.00268	1	05/01/2018 14:56	WG1105867
1,1-Dichloroethene	0.0149		0.000536	0.00268	1	05/01/2018 14:56	WG1105867
cis-1,2-Dichloroethene	0.553		0.00739	0.0268	10	05/02/2018 15:55	WG1105867
trans-1,2-Dichloroethene	0.0144		0.00153	0.00536	1	05/01/2018 14:56	WG1105867
1,2-Dichloropropane	U		0.00136	0.00536	1	05/01/2018 14:56	WG1105867
1,1-Dichloropropene	U		0.000750	0.00268	1	05/01/2018 14:56	WG1105867
1,3-Dichloropropane	U		0.00188	0.00536	1	05/01/2018 14:56	WG1105867
cis-1,3-Dichloropropene	U		0.000727	0.00268	1	05/01/2018 14:56	WG1105867
trans-1,3-Dichloropropene	U		0.00164	0.00536	1	05/01/2018 14:56	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00150	0.00536	1	05/01/2018 14:56	WG1105867
2,2-Dichloropropane	U		0.000850	0.00268	1	05/01/2018 14:56	WG1105867
Di-isopropyl ether	U		0.000375	0.00107	1	05/01/2018 14:56	WG1105867
Ethylbenzene	U		0.000568	0.00268	1	05/01/2018 14:56	WG1105867
Hexachloro-1,3-butadiene	U		0.0136	0.0268	1	05/01/2018 14:56	WG1105867
2-Hexanone	U		0.0107	0.0268	1	05/01/2018 14:56	WG1105867
n-Hexane	U		0.00114	0.00536	1	05/01/2018 14:56	WG1105867
Iodomethane	U	J4	0.00648	0.0134	1	05/01/2018 14:56	WG1105867
Isopropylbenzene	U		0.000925	0.00268	1	05/01/2018 14:56	WG1105867
p-Isopropyltoluene	U		0.00250	0.00536	1	05/01/2018 14:56	WG1105867
2-Butanone (MEK)	U		0.0134	0.0268	1	05/01/2018 14:56	WG1105867
Methylene Chloride	U		0.00712	0.0268	1	05/01/2018 14:56	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0107	0.0268	1	05/01/2018 14:56	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.000403	J	0.000316	0.00107	1	05/01/2018 14:56	WG1105867
Naphthalene	U		0.00334	0.0134	1	05/01/2018 14:56	WG1105867
n-Propylbenzene	U		0.00126	0.00536	1	05/01/2018 14:56	WG1105867
Styrene	U		0.00293	0.0134	1	05/01/2018 14:56	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000536	0.00268	1	05/01/2018 14:56	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000418	0.00268	1	05/01/2018 14:56	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000723	0.00268	1	05/01/2018 14:56	WG1105867
Tetrachloroethene	0.167		0.000750	0.00268	1	05/01/2018 14:56	WG1105867
Toluene	U		0.00134	0.00536	1	05/01/2018 14:56	WG1105867
1,2,3-Trichlorobenzene	U		0.000670	0.00268	1	05/01/2018 14:56	WG1105867
1,2,4-Trichlorobenzene	U		0.00517	0.0134	1	05/01/2018 14:56	WG1105867
1,1,1-Trichloroethane	U		0.000295	0.00268	1	05/01/2018 14:56	WG1105867
1,1,2-Trichloroethane	U		0.000946	0.00268	1	05/01/2018 14:56	WG1105867
Trichloroethene	0.0244		0.000429	0.00107	1	05/01/2018 14:56	WG1105867
Trichlorofluoromethane	U		0.000536	0.00268	1	05/01/2018 14:56	WG1105867
1,2,3-Trichloropropane	U		0.00547	0.0134	1	05/01/2018 14:56	WG1105867
1,2,4-Trimethylbenzene	U		0.00124	0.00536	1	05/01/2018 14:56	WG1105867
1,2,3-Trimethylbenzene	U		0.00123	0.00536	1	05/01/2018 14:56	WG1105867
1,3,5-Trimethylbenzene	U		0.00116	0.00536	1	05/01/2018 14:56	WG1105867
Vinyl acetate	U		0.00377	0.0134	1	05/01/2018 14:56	WG1105867
Vinyl chloride	0.0121		0.000732	0.00268	1	05/01/2018 14:56	WG1105867
Xylenes, Total	U		0.00512	0.00697	1	05/01/2018 14:56	WG1105867
(S) Toluene-d8	*93.7*			*80.0-120*		*05/01/2018 14:56*	WG1105867
(S) Toluene-d8	*108*			*80.0-120*		*05/02/2018 15:55*	WG1105867
(S) Dibromofluoromethane	*89.3*			*74.0-131*		*05/02/2018 15:55*	WG1105867
(S) Dibromofluoromethane	*76.4*			*74.0-131*		*05/01/2018 14:56*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 14:56*	WG1105867
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*05/02/2018 15:55*	WG1105867

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.3		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0169	0.0308	1	05/02/2018 15:25	WG1105867
Acrylonitrile	U		0.00234	0.0154	1	05/01/2018 15:15	WG1105867
Benzene	U		0.000492	0.00123	1	05/01/2018 15:15	WG1105867
Bromobenzene	U		0.00129	0.0154	1	05/01/2018 15:15	WG1105867
Bromodichloromethane	U		0.000969	0.00308	1	05/01/2018 15:15	WG1105867
Bromochloromethane	U		0.00139	0.00615	1	05/01/2018 15:15	WG1105867
Bromoform	U		0.00736	0.0308	1	05/01/2018 15:15	WG1105867
Bromomethane	U		0.00455	0.0154	1	05/01/2018 15:15	WG1105867
n-Butylbenzene	U		0.00472	0.0154	1	05/01/2018 15:15	WG1105867
sec-Butylbenzene	U		0.00311	0.0154	1	05/01/2018 15:15	WG1105867
tert-Butylbenzene	U		0.00191	0.00615	1	05/01/2018 15:15	WG1105867
Carbon disulfide	U		0.00499	0.0154	1	05/01/2018 15:15	WG1105867
Carbon tetrachloride	U		0.00133	0.00615	1	05/01/2018 15:15	WG1105867
Chlorobenzene	U		0.000705	0.00308	1	05/01/2018 15:15	WG1105867
Chlorodibromomethane	U		0.000554	0.00308	1	05/01/2018 15:15	WG1105867
Chloroethane	U		0.00133	0.00615	1	05/01/2018 15:15	WG1105867
Chloroform	U		0.000510	0.00308	1	05/01/2018 15:15	WG1105867
Chloromethane	U		0.00171	0.0154	1	05/01/2018 15:15	WG1105867
2-Chlorotoluene	U		0.00113	0.00308	1	05/01/2018 15:15	WG1105867
4-Chlorotoluene	U		0.00139	0.00615	1	05/01/2018 15:15	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00627	0.0308	1	05/01/2018 15:15	WG1105867
1,2-Dibromoethane	U		0.000646	0.00308	1	05/01/2018 15:15	WG1105867
Dibromomethane	U		0.00123	0.00615	1	05/01/2018 15:15	WG1105867
1,2-Dichlorobenzene	U		0.00178	0.00615	1	05/01/2018 15:15	WG1105867
1,3-Dichlorobenzene	U		0.00209	0.00615	1	05/01/2018 15:15	WG1105867
1,4-Dichlorobenzene	U		0.00242	0.00615	1	05/01/2018 15:15	WG1105867
Dichlorodifluoromethane	U		0.00101	0.00308	1	05/01/2018 15:15	WG1105867
1,1-Dichloroethane	U		0.000707	0.00308	1	05/01/2018 15:15	WG1105867
1,2-Dichloroethane	U		0.000584	0.00308	1	05/01/2018 15:15	WG1105867
1,1-Dichloroethene	U		0.000615	0.00308	1	05/01/2018 15:15	WG1105867
cis-1,2-Dichloroethene	0.0215		0.000849	0.00308	1	05/02/2018 15:25	WG1105867
trans-1,2-Dichloroethene	U		0.00176	0.00615	1	05/01/2018 15:15	WG1105867
1,2-Dichloropropane	U		0.00156	0.00615	1	05/01/2018 15:15	WG1105867
1,1-Dichloropropene	U		0.000861	0.00308	1	05/01/2018 15:15	WG1105867
1,3-Dichloropropane	U		0.00215	0.00615	1	05/01/2018 15:15	WG1105867
cis-1,3-Dichloropropene	U		0.000834	0.00308	1	05/01/2018 15:15	WG1105867
trans-1,3-Dichloropropene	U		0.00188	0.00615	1	05/01/2018 15:15	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00172	0.00615	1	05/01/2018 15:15	WG1105867
2,2-Dichloropropane	U		0.000975	0.00308	1	05/01/2018 15:15	WG1105867
Di-isopropyl ether	U		0.000431	0.00123	1	05/01/2018 15:15	WG1105867
Ethylbenzene	U		0.000652	0.00308	1	05/01/2018 15:15	WG1105867
Hexachloro-1,3-butadiene	U		0.0156	0.0308	1	05/01/2018 15:15	WG1105867
2-Hexanone	U		0.0123	0.0308	1	05/01/2018 15:15	WG1105867
n-Hexane	U		0.00130	0.00615	1	05/01/2018 15:15	WG1105867
Iodomethane	U	J4	0.00744	0.0154	1	05/01/2018 15:15	WG1105867
Isopropylbenzene	U		0.00106	0.00308	1	05/01/2018 15:15	WG1105867
p-Isopropyltoluene	U		0.00287	0.00615	1	05/01/2018 15:15	WG1105867
2-Butanone (MEK)	U		0.0154	0.0308	1	05/01/2018 15:15	WG1105867
Methylene Chloride	U		0.00817	0.0308	1	05/01/2018 15:15	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0123	0.0308	1	05/01/2018 15:15	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000363	0.00123	1	05/01/2018 15:15	WG1105867
Naphthalene	U		0.00384	0.0154	1	05/01/2018 15:15	WG1105867
n-Propylbenzene	U		0.00145	0.00615	1	05/01/2018 15:15	WG1105867
Styrene	U		0.00336	0.0154	1	05/01/2018 15:15	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000615	0.00308	1	05/01/2018 15:15	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000480	0.00308	1	05/01/2018 15:15	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000830	0.00308	1	05/01/2018 15:15	WG1105867
Tetrachloroethene	U		0.000861	0.00308	1	05/01/2018 15:15	WG1105867
Toluene	U		0.00154	0.00615	1	05/01/2018 15:15	WG1105867
1,2,3-Trichlorobenzene	U		0.000769	0.00308	1	05/01/2018 15:15	WG1105867
1,2,4-Trichlorobenzene	U		0.00593	0.0154	1	05/01/2018 15:15	WG1105867
1,1,1-Trichloroethane	U		0.000338	0.00308	1	05/01/2018 15:15	WG1105867
1,1,2-Trichloroethane	U		0.00109	0.00308	1	05/01/2018 15:15	WG1105867
Trichloroethene	U		0.000492	0.00123	1	05/01/2018 15:15	WG1105867
Trichlorofluoromethane	U		0.000615	0.00308	1	05/01/2018 15:15	WG1105867
1,2,3-Trichloropropane	U		0.00627	0.0154	1	05/01/2018 15:15	WG1105867
1,2,4-Trimethylbenzene	U		0.00143	0.00615	1	05/01/2018 15:15	WG1105867
1,2,3-Trimethylbenzene	U		0.00141	0.00615	1	05/01/2018 15:15	WG1105867
1,3,5-Trimethylbenzene	U		0.00133	0.00615	1	05/01/2018 15:15	WG1105867
Vinyl acetate	U		0.00433	0.0154	1	05/01/2018 15:15	WG1105867
Vinyl chloride	0.00629		0.000840	0.00308	1	05/01/2018 15:15	WG1105867
Xylenes, Total	U		0.00588	0.00800	1	05/01/2018 15:15	WG1105867
(S) Toluene-d8	*80.2*			*80.0-120*		*05/01/2018 15:15*	WG1105867
(S) Toluene-d8	*109*			*80.0-120*		*05/02/2018 15:25*	WG1105867
(S) Dibromofluoromethane	*113*			*74.0-131*		*05/02/2018 15:25*	WG1105867
(S) Dibromofluoromethane	*89.3*			*74.0-131*		*05/01/2018 15:15*	WG1105867
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/02/2018 15:25*	WG1105867
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*05/01/2018 15:15*	WG1105867

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0157	0.0287	1	05/02/2018 15:50	WG1105867
Acrylonitrile	U		0.00218	0.0144	1	05/01/2018 15:34	WG1105867
Benzene	U		0.000460	0.00115	1	05/01/2018 15:34	WG1105867
Bromobenzene	U		0.00121	0.0144	1	05/01/2018 15:34	WG1105867
Bromodichloromethane	U		0.000906	0.00287	1	05/01/2018 15:34	WG1105867
Bromochloromethane	U		0.00130	0.00575	1	05/01/2018 15:34	WG1105867
Bromoform	U		0.00687	0.0287	1	05/01/2018 15:34	WG1105867
Bromomethane	U		0.00425	0.0144	1	05/01/2018 15:34	WG1105867
n-Butylbenzene	U		0.00441	0.0144	1	05/01/2018 15:34	WG1105867
sec-Butylbenzene	U		0.00291	0.0144	1	05/01/2018 15:34	WG1105867
tert-Butylbenzene	U		0.00178	0.00575	1	05/01/2018 15:34	WG1105867
Carbon disulfide	U		0.00467	0.0144	1	05/01/2018 15:34	WG1105867
Carbon tetrachloride	U		0.00124	0.00575	1	05/01/2018 15:34	WG1105867
Chlorobenzene	U		0.000658	0.00287	1	05/01/2018 15:34	WG1105867
Chlorodibromomethane	U		0.000517	0.00287	1	05/01/2018 15:34	WG1105867
Chloroethane	U		0.00124	0.00575	1	05/01/2018 15:34	WG1105867
Chloroform	U		0.000477	0.00287	1	05/01/2018 15:34	WG1105867
Chloromethane	U		0.00160	0.0144	1	05/01/2018 15:34	WG1105867
2-Chlorotoluene	U		0.00106	0.00287	1	05/01/2018 15:34	WG1105867
4-Chlorotoluene	U		0.00130	0.00575	1	05/01/2018 15:34	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00586	0.0287	1	05/01/2018 15:34	WG1105867
1,2-Dibromoethane	U		0.000603	0.00287	1	05/01/2018 15:34	WG1105867
Dibromomethane	U		0.00115	0.00575	1	05/01/2018 15:34	WG1105867
1,2-Dichlorobenzene	U		0.00167	0.00575	1	05/01/2018 15:34	WG1105867
1,3-Dichlorobenzene	U		0.00195	0.00575	1	05/01/2018 15:34	WG1105867
1,4-Dichlorobenzene	U		0.00226	0.00575	1	05/01/2018 15:34	WG1105867
Dichlorodifluoromethane	U		0.000940	0.00287	1	05/01/2018 15:34	WG1105867
1,1-Dichloroethane	U		0.000661	0.00287	1	05/01/2018 15:34	WG1105867
1,2-Dichloroethane	U		0.000546	0.00287	1	05/01/2018 15:34	WG1105867
1,1-Dichloroethene	U		0.000575	0.00287	1	05/01/2018 15:34	WG1105867
cis-1,2-Dichloroethene	0.00436		0.000793	0.00287	1	05/02/2018 15:50	WG1105867
trans-1,2-Dichloroethene	U		0.00164	0.00575	1	05/01/2018 15:34	WG1105867
1,2-Dichloropropane	U		0.00146	0.00575	1	05/01/2018 15:34	WG1105867
1,1-Dichloropropene	U		0.000804	0.00287	1	05/01/2018 15:34	WG1105867
1,3-Dichloropropane	U		0.00201	0.00575	1	05/01/2018 15:34	WG1105867
cis-1,3-Dichloropropene	U		0.000779	0.00287	1	05/01/2018 15:34	WG1105867
trans-1,3-Dichloropropene	U		0.00176	0.00575	1	05/01/2018 15:34	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00161	0.00575	1	05/01/2018 15:34	WG1105867
2,2-Dichloropropane	U		0.000911	0.00287	1	05/01/2018 15:34	WG1105867
Di-isopropyl ether	U		0.000402	0.00115	1	05/01/2018 15:34	WG1105867
Ethylbenzene	U		0.000609	0.00287	1	05/01/2018 15:34	WG1105867
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1	05/01/2018 15:34	WG1105867
2-Hexanone	U		0.0115	0.0287	1	05/01/2018 15:34	WG1105867
n-Hexane	U		0.00122	0.00575	1	05/01/2018 15:34	WG1105867
Iodomethane	U	J4	0.00695	0.0144	1	05/01/2018 15:34	WG1105867
Isopropylbenzene	U		0.000992	0.00287	1	05/01/2018 15:34	WG1105867
p-Isopropyltoluene	U		0.00268	0.00575	1	05/01/2018 15:34	WG1105867
2-Butanone (MEK)	U		0.0144	0.0287	1	05/01/2018 15:34	WG1105867
Methylene Chloride	U		0.00763	0.0287	1	05/01/2018 15:34	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1	05/01/2018 15:34	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000339	0.00115	1	05/01/2018 15:34	WG1105867
Naphthalene	U		0.00359	0.0144	1	05/01/2018 15:34	WG1105867
n-Propylbenzene	U		0.00136	0.00575	1	05/01/2018 15:34	WG1105867
Styrene	U		0.00314	0.0144	1	05/01/2018 15:34	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000575	0.00287	1	05/01/2018 15:34	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000448	0.00287	1	05/01/2018 15:34	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000776	0.00287	1	05/01/2018 15:34	WG1105867
Tetrachloroethene	U		0.000804	0.00287	1	05/01/2018 15:34	WG1105867
Toluene	U		0.00144	0.00575	1	05/01/2018 15:34	WG1105867
1,2,3-Trichlorobenzene	U		0.000718	0.00287	1	05/01/2018 15:34	WG1105867
1,2,4-Trichlorobenzene	U		0.00554	0.0144	1	05/01/2018 15:34	WG1105867
1,1,1-Trichloroethane	U		0.000316	0.00287	1	05/01/2018 15:34	WG1105867
1,1,2-Trichloroethane	U		0.00101	0.00287	1	05/01/2018 15:34	WG1105867
Trichloroethene	U		0.000460	0.00115	1	05/01/2018 15:34	WG1105867
Trichlorofluoromethane	U		0.000575	0.00287	1	05/01/2018 15:34	WG1105867
1,2,3-Trichloropropane	U		0.00586	0.0144	1	05/01/2018 15:34	WG1105867
1,2,4-Trimethylbenzene	U		0.00133	0.00575	1	05/01/2018 15:34	WG1105867
1,2,3-Trimethylbenzene	U		0.00132	0.00575	1	05/01/2018 15:34	WG1105867
1,3,5-Trimethylbenzene	U		0.00124	0.00575	1	05/01/2018 15:34	WG1105867
Vinyl acetate	U		0.00404	0.0144	1	05/01/2018 15:34	WG1105867
Vinyl chloride	0.00315		0.000785	0.00287	1	05/01/2018 15:34	WG1105867
Xylenes, Total	U		0.00549	0.00747	1	05/01/2018 15:34	WG1105867
(S) Toluene-d8	*110*			*80.0-120*		*05/02/2018 15:50*	WG1105867
(S) Toluene-d8	*91.1*			*80.0-120*		*05/01/2018 15:34*	WG1105867
(S) Dibromofluoromethane	*113*			*74.0-131*		*05/02/2018 15:50*	WG1105867
(S) Dibromofluoromethane	*80.1*			*74.0-131*		*05/01/2018 15:34*	WG1105867
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*05/02/2018 15:50*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 15:34*	WG1105867

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0154	0.0281	1	05/02/2018 17:18	WG1105867
Acrylonitrile	U		0.00213	0.0140	1	05/01/2018 15:53	WG1105867
Benzene	U		0.000449	0.00112	1	05/01/2018 15:53	WG1105867
Bromobenzene	U		0.00118	0.0140	1	05/01/2018 15:53	WG1105867
Bromodichloromethane	U		0.000885	0.00281	1	05/01/2018 15:53	WG1105867
Bromochloromethane	U		0.00127	0.00562	1	05/01/2018 15:53	WG1105867
Bromoform	U		0.00672	0.0281	1	05/01/2018 15:53	WG1105867
Bromomethane	U		0.00416	0.0140	1	05/01/2018 15:53	WG1105867
n-Butylbenzene	U		0.00431	0.0140	1	05/01/2018 15:53	WG1105867
sec-Butylbenzene	U		0.00284	0.0140	1	05/01/2018 15:53	WG1105867
tert-Butylbenzene	U		0.00174	0.00562	1	05/01/2018 15:53	WG1105867
Carbon disulfide	U		0.00456	0.0140	1	05/01/2018 15:53	WG1105867
Carbon tetrachloride	U		0.00121	0.00562	1	05/01/2018 15:53	WG1105867
Chlorobenzene	U		0.000644	0.00281	1	05/01/2018 15:53	WG1105867
Chlorodibromomethane	U		0.000505	0.00281	1	05/01/2018 15:53	WG1105867
Chloroethane	U		0.00121	0.00562	1	05/01/2018 15:53	WG1105867
Chloroform	U		0.000466	0.00281	1	05/01/2018 15:53	WG1105867
Chloromethane	U		0.00156	0.0140	1	05/01/2018 15:53	WG1105867
2-Chlorotoluene	U		0.00103	0.00281	1	05/01/2018 15:53	WG1105867
4-Chlorotoluene	U		0.00127	0.00562	1	05/01/2018 15:53	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00573	0.0281	1	05/01/2018 15:53	WG1105867
1,2-Dibromoethane	U		0.000590	0.00281	1	05/01/2018 15:53	WG1105867
Dibromomethane	U		0.00112	0.00562	1	05/01/2018 15:53	WG1105867
1,2-Dichlorobenzene	U		0.00163	0.00562	1	05/01/2018 15:53	WG1105867
1,3-Dichlorobenzene	U		0.00191	0.00562	1	05/01/2018 15:53	WG1105867
1,4-Dichlorobenzene	U		0.00221	0.00562	1	05/01/2018 15:53	WG1105867
Dichlorodifluoromethane	U		0.000919	0.00281	1	05/01/2018 15:53	WG1105867
1,1-Dichloroethane	U		0.000646	0.00281	1	05/01/2018 15:53	WG1105867
1,2-Dichloroethane	U		0.000534	0.00281	1	05/01/2018 15:53	WG1105867
1,1-Dichloroethene	0.00185	J	0.000562	0.00281	1	05/01/2018 15:53	WG1105867
cis-1,2-Dichloroethene	0.136		0.000775	0.00281	1	05/01/2018 15:53	WG1105867
trans-1,2-Dichloroethene	U		0.00161	0.00562	1	05/01/2018 15:53	WG1105867
1,2-Dichloropropane	U		0.00143	0.00562	1	05/01/2018 15:53	WG1105867
1,1-Dichloropropene	U		0.000786	0.00281	1	05/01/2018 15:53	WG1105867
1,3-Dichloropropane	U		0.00197	0.00562	1	05/01/2018 15:53	WG1105867
cis-1,3-Dichloropropene	U		0.000762	0.00281	1	05/01/2018 15:53	WG1105867
trans-1,3-Dichloropropene	U		0.00172	0.00562	1	05/01/2018 15:53	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00157	0.00562	1	05/01/2018 15:53	WG1105867
2,2-Dichloropropane	U		0.000891	0.00281	1	05/01/2018 15:53	WG1105867
Di-isopropyl ether	U		0.000393	0.00112	1	05/01/2018 15:53	WG1105867
Ethylbenzene	U		0.000595	0.00281	1	05/01/2018 15:53	WG1105867
Hexachloro-1,3-butadiene	U		0.0143	0.0281	1	05/01/2018 15:53	WG1105867
2-Hexanone	U		0.0112	0.0281	1	05/01/2018 15:53	WG1105867
n-Hexane	U		0.00119	0.00562	1	05/01/2018 15:53	WG1105867
Iodomethane	U	J4	0.00680	0.0140	1	05/01/2018 15:53	WG1105867
Isopropylbenzene	U		0.000969	0.00281	1	05/01/2018 15:53	WG1105867
p-Isopropyltoluene	U		0.00262	0.00562	1	05/01/2018 15:53	WG1105867
2-Butanone (MEK)	U		0.0140	0.0281	1	05/01/2018 15:53	WG1105867
Methylene Chloride	U		0.00746	0.0281	1	05/01/2018 15:53	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0112	0.0281	1	05/01/2018 15:53	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000331	0.00112	1	05/01/2018 15:53	WG1105867
Naphthalene	U		0.00350	0.0140	1	05/01/2018 15:53	WG1105867
n-Propylbenzene	U		0.00133	0.00562	1	05/01/2018 15:53	WG1105867
Styrene	U		0.00307	0.0140	1	05/01/2018 15:53	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000562	0.00281	1	05/01/2018 15:53	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000438	0.00281	1	05/01/2018 15:53	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000758	0.00281	1	05/01/2018 15:53	WG1105867
Tetrachloroethene	U		0.000786	0.00281	1	05/01/2018 15:53	WG1105867
Toluene	U		0.00140	0.00562	1	05/01/2018 15:53	WG1105867
1,2,3-Trichlorobenzene	U		0.000702	0.00281	1	05/01/2018 15:53	WG1105867
1,2,4-Trichlorobenzene	U		0.00541	0.0140	1	05/01/2018 15:53	WG1105867
1,1,1-Trichloroethane	U		0.000309	0.00281	1	05/01/2018 15:53	WG1105867
1,1,2-Trichloroethane	U		0.000992	0.00281	1	05/01/2018 15:53	WG1105867
Trichloroethene	U		0.000449	0.00112	1	05/01/2018 15:53	WG1105867
Trichlorofluoromethane	U		0.000562	0.00281	1	05/01/2018 15:53	WG1105867
1,2,3-Trichloropropane	U		0.00573	0.0140	1	05/01/2018 15:53	WG1105867
1,2,4-Trimethylbenzene	U		0.00130	0.00562	1	05/01/2018 15:53	WG1105867
1,2,3-Trimethylbenzene	U		0.00129	0.00562	1	05/01/2018 15:53	WG1105867
1,3,5-Trimethylbenzene	U		0.00121	0.00562	1	05/01/2018 15:53	WG1105867
Vinyl acetate	U		0.00395	0.0140	1	05/01/2018 15:53	WG1105867
Vinyl chloride	0.0124		0.000767	0.00281	1	05/01/2018 15:53	WG1105867
Xylenes, Total	U		0.00537	0.00730	1	05/01/2018 15:53	WG1105867
(S) Toluene-d8	*109*			*80.0-120*		*05/02/2018 17:18*	WG1105867
(S) Toluene-d8	*77.9*	J2		*80.0-120*		*05/01/2018 15:53*	WG1105867
(S) Dibromofluoromethane	*82.2*			*74.0-131*		*05/01/2018 15:53*	WG1105867
(S) Dibromofluoromethane	*80.0*			*74.0-131*		*05/02/2018 17:18*	WG1105867
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/01/2018 15:53*	WG1105867
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*05/02/2018 17:18*	WG1105867

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0157	0.0287	1	05/02/2018 16:40	WG1105867
Acrylonitrile	U		0.00218	0.0143	1	05/01/2018 16:12	WG1105867
Benzene	U		0.000459	0.00115	1	05/01/2018 16:12	WG1105867
Bromobenzene	U		0.00120	0.0143	1	05/01/2018 16:12	WG1105867
Bromodichloromethane	U		0.000904	0.00287	1	05/01/2018 16:12	WG1105867
Bromochloromethane	U		0.00130	0.00574	1	05/01/2018 16:12	WG1105867
Bromoform	U		0.00686	0.0287	1	05/01/2018 16:12	WG1105867
Bromomethane	U		0.00425	0.0143	1	05/01/2018 16:12	WG1105867
n-Butylbenzene	U		0.00441	0.0143	1	05/01/2018 16:12	WG1105867
sec-Butylbenzene	U		0.00290	0.0143	1	05/01/2018 16:12	WG1105867
tert-Butylbenzene	U		0.00178	0.00574	1	05/01/2018 16:12	WG1105867
Carbon disulfide	U		0.00466	0.0143	1	05/01/2018 16:12	WG1105867
Carbon tetrachloride	U		0.00124	0.00574	1	05/01/2018 16:12	WG1105867
Chlorobenzene	U		0.000658	0.00287	1	05/01/2018 16:12	WG1105867
Chlorodibromomethane	U		0.000516	0.00287	1	05/01/2018 16:12	WG1105867
Chloroethane	U		0.00124	0.00574	1	05/01/2018 16:12	WG1105867
Chloroform	U		0.000476	0.00287	1	05/01/2018 16:12	WG1105867
Chloromethane	U		0.00160	0.0143	1	05/01/2018 16:12	WG1105867
2-Chlorotoluene	U		0.00106	0.00287	1	05/01/2018 16:12	WG1105867
4-Chlorotoluene	U		0.00130	0.00574	1	05/01/2018 16:12	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00585	0.0287	1	05/01/2018 16:12	WG1105867
1,2-Dibromoethane	U		0.000602	0.00287	1	05/01/2018 16:12	WG1105867
Dibromomethane	U		0.00115	0.00574	1	05/01/2018 16:12	WG1105867
1,2-Dichlorobenzene	U		0.00166	0.00574	1	05/01/2018 16:12	WG1105867
1,3-Dichlorobenzene	U		0.00195	0.00574	1	05/01/2018 16:12	WG1105867
1,4-Dichlorobenzene	U		0.00226	0.00574	1	05/01/2018 16:12	WG1105867
Dichlorodifluoromethane	U		0.000939	0.00287	1	05/01/2018 16:12	WG1105867
1,1-Dichloroethane	U		0.000660	0.00287	1	05/01/2018 16:12	WG1105867
1,2-Dichloroethane	U		0.000545	0.00287	1	05/01/2018 16:12	WG1105867
1,1-Dichloroethene	0.00357		0.000574	0.00287	1	05/01/2018 16:12	WG1105867
cis-1,2-Dichloroethene	0.00624		0.000792	0.00287	1	05/01/2018 16:12	WG1105867
trans-1,2-Dichloroethene	0.00379	J	0.00164	0.00574	1	05/01/2018 16:12	WG1105867
1,2-Dichloropropane	U		0.00146	0.00574	1	05/01/2018 16:12	WG1105867
1,1-Dichloropropene	U		0.000803	0.00287	1	05/01/2018 16:12	WG1105867
1,3-Dichloropropane	U		0.00201	0.00574	1	05/01/2018 16:12	WG1105867
cis-1,3-Dichloropropene	U		0.000778	0.00287	1	05/01/2018 16:12	WG1105867
trans-1,3-Dichloropropene	U		0.00176	0.00574	1	05/01/2018 16:12	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00161	0.00574	1	05/01/2018 16:12	WG1105867
2,2-Dichloropropane	U		0.000910	0.00287	1	05/01/2018 16:12	WG1105867
Di-isopropyl ether	U		0.000402	0.00115	1	05/01/2018 16:12	WG1105867
Ethylbenzene	U		0.000608	0.00287	1	05/01/2018 16:12	WG1105867
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1	05/01/2018 16:12	WG1105867
2-Hexanone	U		0.0115	0.0287	1	05/01/2018 16:12	WG1105867
n-Hexane	U		0.00122	0.00574	1	05/01/2018 16:12	WG1105867
Iodomethane	U	J4	0.00694	0.0143	1	05/01/2018 16:12	WG1105867
Isopropylbenzene	U		0.000990	0.00287	1	05/01/2018 16:12	WG1105867
p-Isopropyltoluene	U		0.00267	0.00574	1	05/01/2018 16:12	WG1105867
2-Butanone (MEK)	U		0.0143	0.0287	1	05/01/2018 16:12	WG1105867
Methylene Chloride	U		0.00762	0.0287	1	05/01/2018 16:12	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1	05/01/2018 16:12	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000339	0.00115	1	05/01/2018 16:12	WG1105867
Naphthalene	U		0.00358	0.0143	1	05/01/2018 16:12	WG1105867
n-Propylbenzene	U		0.00135	0.00574	1	05/01/2018 16:12	WG1105867
Styrene	U		0.00313	0.0143	1	05/01/2018 16:12	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000574	0.00287	1	05/01/2018 16:12	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000448	0.00287	1	05/01/2018 16:12	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000775	0.00287	1	05/01/2018 16:12	WG1105867
Tetrachloroethene	0.00185	J	0.000803	0.00287	1	05/01/2018 16:12	WG1105867
Toluene	U		0.00143	0.00574	1	05/01/2018 16:12	WG1105867
1,2,3-Trichlorobenzene	U		0.000717	0.00287	1	05/01/2018 16:12	WG1105867
1,2,4-Trichlorobenzene	U		0.00553	0.0143	1	05/01/2018 16:12	WG1105867
1,1,1-Trichloroethane	U		0.000316	0.00287	1	05/01/2018 16:12	WG1105867
1,1,2-Trichloroethane	U		0.00101	0.00287	1	05/01/2018 16:12	WG1105867
Trichloroethene	0.0113		0.000459	0.00115	1	05/01/2018 16:12	WG1105867
Trichlorofluoromethane	U		0.000574	0.00287	1	05/01/2018 16:12	WG1105867
1,2,3-Trichloropropane	U		0.00585	0.0143	1	05/01/2018 16:12	WG1105867
1,2,4-Trimethylbenzene	U		0.00133	0.00574	1	05/01/2018 16:12	WG1105867
1,2,3-Trimethylbenzene	U		0.00132	0.00574	1	05/01/2018 16:12	WG1105867
1,3,5-Trimethylbenzene	U		0.00124	0.00574	1	05/01/2018 16:12	WG1105867
Vinyl acetate	U		0.00404	0.0143	1	05/01/2018 16:12	WG1105867
Vinyl chloride	U		0.000784	0.00287	1	05/01/2018 16:12	WG1105867
Xylenes, Total	U		0.00549	0.00746	1	05/01/2018 16:12	WG1105867
(S) Toluene-d8	*110*			*80.0-120*		*05/01/2018 16:12*	WG1105867
(S) Toluene-d8	*110*			*80.0-120*		*05/02/2018 16:40*	WG1105867
(S) Dibromofluoromethane	*80.0*			*74.0-131*		*05/01/2018 16:12*	WG1105867
(S) Dibromofluoromethane	*112*			*74.0-131*		*05/02/2018 16:40*	WG1105867
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/02/2018 16:40*	WG1105867
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*05/01/2018 16:12*	WG1105867

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.39	J J0	1.05	25.0	1	04/26/2018 11:16	WG1103367
Acrylonitrile	U		0.873	5.00	1	04/26/2018 11:16	WG1103367
Benzene	U		0.0896	0.500	1	04/26/2018 11:16	WG1103367
Bromobenzene	U		0.133	0.500	1	04/26/2018 11:16	WG1103367
Bromodichloromethane	U		0.0800	0.500	1	04/26/2018 11:16	WG1103367
Bromochloromethane	U		0.145	0.500	1	04/26/2018 11:16	WG1103367
Bromoform	U		0.186	0.500	1	04/26/2018 11:16	WG1103367
Bromomethane	U		0.157	2.50	1	04/26/2018 11:16	WG1103367
n-Butylbenzene	U		0.143	0.500	1	04/26/2018 11:16	WG1103367
sec-Butylbenzene	U		0.134	0.500	1	04/26/2018 11:16	WG1103367
tert-Butylbenzene	U		0.183	0.500	1	04/26/2018 11:16	WG1103367
Carbon disulfide	U		0.101	0.500	1	04/26/2018 11:16	WG1103367
Carbon tetrachloride	U		0.159	0.500	1	04/26/2018 11:16	WG1103367
Chlorobenzene	U		0.140	0.500	1	04/26/2018 11:16	WG1103367
Chlorodibromomethane	U		0.128	0.500	1	04/26/2018 11:16	WG1103367
Chloroethane	U		0.141	2.50	1	04/26/2018 11:16	WG1103367
Chloroform	U		0.0860	0.500	1	04/26/2018 11:16	WG1103367
Chloromethane	U		0.153	1.25	1	04/26/2018 11:16	WG1103367
2-Chlorotoluene	U		0.111	0.500	1	04/26/2018 11:16	WG1103367
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2018 11:16	WG1103367
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2018 11:16	WG1103367
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2018 11:16	WG1103367
Dibromomethane	U		0.117	0.500	1	04/26/2018 11:16	WG1103367
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2018 11:16	WG1103367
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2018 11:16	WG1103367
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2018 11:16	WG1103367
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2018 11:16	WG1103367
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2018 11:16	WG1103367
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2018 11:16	WG1103367
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2018 11:16	WG1103367
cis-1,2-Dichloroethene	1.08	B	0.0933	0.500	1	04/26/2018 11:16	WG1103367
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/26/2018 11:16	WG1103367
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2018 11:16	WG1103367
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2018 11:16	WG1103367
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2018 11:16	WG1103367
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2018 11:16	WG1103367
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2018 11:16	WG1103367
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2018 11:16	WG1103367
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2018 11:16	WG1103367
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2018 11:16	WG1103367
Ethylbenzene	U		0.158	0.500	1	04/26/2018 11:16	WG1103367
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2018 11:16	WG1103367
2-Hexanone	U		0.757	5.00	1	04/26/2018 11:16	WG1103367
n-Hexane	U		0.305	5.00	1	04/26/2018 11:16	WG1103367
Iodomethane	U		0.377	10.0	1	04/26/2018 11:16	WG1103367
Isopropylbenzene	U		0.126	0.500	1	04/26/2018 11:16	WG1103367
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2018 11:16	WG1103367
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2018 11:16	WG1103367
Methylene Chloride	U		1.07	2.50	1	04/26/2018 11:16	WG1103367
4-Methyl-2-pentanone (MIBK)	0.969	B J	0.823	5.00	1	04/26/2018 11:16	WG1103367
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2018 11:16	WG1103367
Naphthalene	U		0.174	2.50	1	04/26/2018 11:16	WG1103367
n-Propylbenzene	U		0.162	0.500	1	04/26/2018 11:16	WG1103367
Styrene	U		0.117	0.500	1	04/26/2018 11:16	WG1103367
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2018 11:16	WG1103367
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2018 11:16	WG1103367

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2018 11:16	WG1103367
Tetrachloroethene	0.225	J	0.199	0.500	1	04/26/2018 11:16	WG1103367
Toluene	U		0.412	0.500	1	04/26/2018 11:16	WG1103367
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2018 11:16	WG1103367
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2018 11:16	WG1103367
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2018 11:16	WG1103367
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2018 11:16	WG1103367
Trichloroethene	0.383	J	0.153	0.500	1	04/26/2018 11:16	WG1103367
Trichlorofluoromethane	U		0.130	2.50	1	04/26/2018 11:16	WG1103367
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2018 11:16	WG1103367
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2018 11:16	WG1103367
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2018 11:16	WG1103367
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2018 11:16	WG1103367
Vinyl acetate	U		0.645	5.00	1	04/26/2018 11:16	WG1103367
Vinyl chloride	0.283	J	0.118	0.500	1	04/26/2018 11:16	WG1103367
Xylenes, Total	U		0.316	1.50	1	04/26/2018 11:16	WG1103367
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 11:16*	WG1103367
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/26/2018 11:16*	WG1103367
(S) 4-Bromofluorobenzene	*91.5*			*80.0-120*		*04/26/2018 11:16*	WG1103367

Method Blank (MB)

(MB) R3305545-1 04/27/18 13:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L988727-09 Original Sample (OS) • Duplicate (DUP)

(OS) L988727-09 04/27/18 13:43 • (DUP) R3305545-3 04/27/18 13:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.5	90.4	1	1.18		5

Laboratory Control Sample (LCS)

(LCS) R3305545-2 04/27/18 13:43

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3305823-1 04/28/18 09:15

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L988727-01 Original Sample (OS) • Duplicate (DUP)

(OS) L988727-01 04/28/18 09:15 • (DUP) R3305823-3 04/28/18 09:15

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.6	87.1	1	0.590		5

Laboratory Control Sample (LCS)

(LCS) R3305823-2 04/28/18 09:15

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3304941-2 04/26/18 09:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
2-Chlorotoluene	U		0.111	0.500
Chloroform	U		0.0860	0.500
4-Chlorotoluene	U		0.0972	0.500
Chloromethane	U		0.153	1.25
Dibromomethane	U		0.117	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,1-Dichloropropene	U		0.128	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,2-Dichloroethene	0.314	J	0.0933	0.500
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
1,2-Dichloropropane	U		0.190	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3304941-2 04/26/18 09:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Ethylbenzene	U		0.158	0.500
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
4-Methyl-2-pentanone (MIBK)	0.858	J	0.823	5.00
Hexachloro-1,3-butadiene	U		0.157	1.00
Methyl tert-butyl ether	U		0.102	0.500
n-Propylbenzene	U		0.162	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
Methylene Chloride	U		1.07	2.50
1,2,3-Trichloropropane	U		0.247	2.50
Naphthalene	U		0.174	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
Xylenes, Total	U		0.316	1.50
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*96.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*96.5*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3304941-1 04/26/18 09:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	133	107	10.0-160	
Acrylonitrile	125	127	102	60.0-142	
Bromobenzene	25.0	21.9	87.8	79.0-120	
Bromochloromethane	25.0	23.7	94.7	76.0-122	
n-Butylbenzene	25.0	24.5	97.9	72.0-126	
sec-Butylbenzene	25.0	23.9	95.5	74.0-121	
tert-Butylbenzene	25.0	23.6	94.5	75.0-122	
Carbon disulfide	25.0	24.2	96.7	55.0-127	
2-Chlorotoluene	25.0	22.7	90.7	74.0-122	
4-Chlorotoluene	25.0	22.7	90.8	79.0-120	
Dibromomethane	25.0	24.4	97.7	78.0-120	
1,1-Dichloropropene	25.0	24.5	98.0	71.0-129	
1,3-Dichloropropane	25.0	24.7	98.7	80.0-121	
cis-1,3-Dichloropropene	25.0	24.8	99.1	79.0-123	
trans-1,3-Dichloropropene	25.0	24.7	98.7	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	24.3	97.1	55.0-134	
2,2-Dichloropropane	25.0	23.9	95.6	60.0-125	
Benzene	25.0	23.7	94.8	69.0-123	
Di-isopropyl ether	25.0	25.0	99.8	59.0-133	
Bromodichloromethane	25.0	23.9	95.7	76.0-120	
2-Hexanone	125	131	105	58.0-147	
Bromoform	25.0	22.7	90.9	67.0-132	
Bromomethane	25.0	26.6	106	18.0-160	
n-Hexane	25.0	24.5	97.8	56.0-124	
Iodomethane	125	121	96.8	57.0-140	
Isopropylbenzene	25.0	22.6	90.5	75.0-120	
p-Isopropyltoluene	25.0	24.0	95.9	74.0-126	
2-Butanone (MEK)	125	124	99.6	37.0-158	
4-Methyl-2-pentanone (MIBK)	125	131	105	59.0-143	
Carbon tetrachloride	25.0	22.4	89.8	63.0-122	
Chlorobenzene	25.0	24.1	96.3	79.0-121	
Methyl tert-butyl ether	25.0	23.8	95.1	64.0-123	
Chlorodibromomethane	25.0	24.2	96.7	75.0-125	
Chloroethane	25.0	26.4	106	47.0-152	
n-Propylbenzene	25.0	22.5	89.8	79.0-120	
Chloroform	25.0	23.5	94.2	72.0-121	
Chloromethane	25.0	27.0	108	48.0-139	
1,1,2-Trichlorotrifluoroethane	25.0	25.0	100	61.0-136	
1,2-Dibromo-3-Chloropropane	25.0	25.4	102	64.0-127	
1,2,3-Trichlorobenzene	25.0	25.6	102	61.0-133	

Laboratory Control Sample (LCS)

(LCS) R3304941-1 04/26/18 09:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromoethane	25.0	24.7	98.6	77.0-123	
1,2-Dichlorobenzene	25.0	24.0	95.9	80.0-120	
1,3-Dichlorobenzene	25.0	23.4	93.6	72.0-123	
1,4-Dichlorobenzene	25.0	23.7	94.7	77.0-120	
1,2,3-Trichloropropane	25.0	23.3	93.3	72.0-124	
Dichlorodifluoromethane	25.0	27.6	110	49.0-155	
1,2,4-Trimethylbenzene	25.0	23.4	93.4	75.0-120	
1,1-Dichloroethane	25.0	24.3	97.2	70.0-126	
1,2,3-Trimethylbenzene	25.0	24.2	97.0	75.0-120	
1,2-Dichloroethane	25.0	24.5	98.0	67.0-126	
1,3,5-Trimethylbenzene	25.0	22.7	90.8	75.0-120	
1,1-Dichloroethene	25.0	23.7	94.6	64.0-129	
Vinyl acetate	125	127	102	46.0-160	
cis-1,2-Dichloroethene	25.0	23.3	93.3	73.0-120	
trans-1,2-Dichloroethene	25.0	23.3	93.0	71.0-121	
Xylenes, Total	75.0	72.4	96.5	77.0-120	
1,2-Dichloropropane	25.0	24.0	95.8	75.0-125	
Ethylbenzene	25.0	24.3	97.2	77.0-120	
Hexachloro-1,3-butadiene	25.0	25.0	99.9	64.0-131	
Methylene Chloride	25.0	22.9	91.5	66.0-121	
Naphthalene	25.0	25.7	103	62.0-128	
Styrene	25.0	22.4	89.8	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	24.4	97.5	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	22.6	90.5	71.0-122	
Tetrachloroethene	25.0	23.1	92.6	70.0-127	
Toluene	25.0	23.3	93.1	77.0-120	
1,2,4-Trichlorobenzene	25.0	25.6	102	69.0-129	
1,1,1-Trichloroethane	25.0	23.8	95.2	68.0-122	
1,1,2-Trichloroethane	25.0	23.6	94.5	78.0-120	
Trichloroethene	25.0	23.9	95.5	78.0-120	
Trichlorofluoromethane	25.0	26.5	106	56.0-137	
Vinyl chloride	25.0	28.5	114	64.0-133	
(S) Toluene-d8			*103*	*80.0-120*	
(S) Dibromofluoromethane			*97.6*	*76.0-123*	
(S) 4-Bromofluorobenzene			*94.5*	*80.0-120*	

L988622-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988622-19 04/26/18 16:51 • (MS) R3304941-3 04/26/18 17:28 • (MSD) R3304941-4 04/26/18 17:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	4.23	93.0	117	71.0	90.2	1	10.0-139			22.8	25
Acrylonitrile	125	U	81.4	102	65.2	81.6	1	46.0-159			22.4	23
Bromobenzene	25.0	U	16.3	21.7	65.3	86.8	1	51.0-137		J3	28.3	20
Bromochloromethane	25.0	U	16.3	21.8	65.1	87.1	1	53.0-138		J3	28.9	20
n-Butylbenzene	25.0	U	18.6	25.3	74.5	101	1	50.0-144		J3	30.4	20
sec-Butylbenzene	25.0	U	18.2	25.2	72.9	101	1	48.0-143		J3	32.0	20
tert-Butylbenzene	25.0	U	17.9	24.2	71.5	96.9	1	50.0-142		J3	30.2	20
Carbon disulfide	25.0	U	15.0	20.0	60.1	79.8	1	10.0-147		J3	28.2	20
2-Chlorotoluene	25.0	U	16.9	22.9	67.6	91.8	1	48.0-142		J3	30.3	20
4-Chlorotoluene	25.0	U	16.8	22.7	67.4	91.0	1	52.0-139		J3	29.8	20
Dibromomethane	25.0	U	16.9	22.3	67.7	89.1	1	53.0-138		J3	27.3	20
1,1-Dichloropropene	25.0	U	17.8	24.0	71.4	96.1	1	42.0-146		J3	29.5	20
1,3-Dichloropropane	25.0	0.502	18.3	24.5	71.2	96.0	1	58.0-139		J3	28.9	20
cis-1,3-Dichloropropene	25.0	U	17.6	23.6	70.5	94.3	1	53.0-139		J3	28.9	20
trans-1,3-Dichloropropene	25.0	U	17.6	23.7	70.4	94.8	1	51.0-143		J3	29.5	20
trans-1,4-Dichloro-2-butene	25.0	0.273	16.8	22.9	66.1	90.4	1	40.0-150		J3	30.6	21
2,2-Dichloropropane	25.0	0.149	17.2	24.2	68.1	96.1	1	43.0-139		J3	33.9	20
Di-isopropyl ether	25.0	U	17.7	24.0	70.6	95.9	1	44.0-144		J3	30.3	20
2-Hexanone	125	U	91.8	124	73.4	99.0	1	36.0-145		J3	29.7	23
n-Hexane	25.0	1.45	17.2	21.4	63.2	79.8	1	13.0-145		J3	21.6	20
Iodomethane	125	U	85.5	113	68.4	90.5	1	30.0-151		J3	27.7	20
Isopropylbenzene	25.0	U	17.3	23.5	69.2	94.0	1	48.0-141		J3	30.4	20
p-Isopropyltoluene	25.0	U	18.2	24.9	73.0	99.6	1	49.0-146		J3	30.9	20
2-Butanone (MEK)	125	U	85.3	114	68.3	91.5	1	12.0-149		J3	29.1	24
4-Methyl-2-pentanone (MIBK)	125	U	88.4	119	70.7	95.5	1	44.0-160		J3	29.8	22
Benzene	25.0	0.500	17.6	23.2	68.3	90.8	1	34.0-147		J3	27.7	20
Methyl tert-butyl ether	25.0	U	16.2	22.1	64.9	88.5	1	42.0-142		J3	30.7	20
Bromodichloromethane	25.0	U	17.5	22.9	69.8	91.8	1	52.0-135		J3	27.2	20
n-Propylbenzene	25.0	U	17.1	23.2	68.4	92.8	1	47.0-144		J3	30.3	20
Bromoform	25.0	U	16.0	21.8	63.8	87.3	1	50.0-146		J3	31.0	20
Bromomethane	25.0	U	18.4	23.9	73.6	95.5	1	10.0-160		J3	26.0	23
1,1,2-Trichlorotrifluoroethane	25.0	U	19.0	25.8	76.0	103	1	40.0-151		J3	30.4	21
1,2,3-Trichlorobenzene	25.0	U	18.5	25.6	74.0	103	1	45.0-145		J3	32.4	22
Carbon tetrachloride	25.0	U	16.8	22.6	67.4	90.5	1	41.0-138		J3	29.3	20
Chlorobenzene	25.0	0.552	18.3	24.4	70.9	95.6	1	52.0-141		J3	28.8	20
Chlorodibromomethane	25.0	U	17.1	23.3	68.6	93.1	1	54.0-142		J3	30.3	20
Chloroethane	25.0	U	19.5	25.1	78.1	101	1	23.0-160		J3	25.2	20
1,2,3-Trichloropropane	25.0	U	16.1	22.0	64.3	87.9	1	54.0-143		J3	30.9	21
Chloroform	25.0	U	17.4	23.0	69.7	91.8	1	50.0-139		J3	27.4	20
1,2,4-Trimethylbenzene	25.0	U	17.3	23.5	69.1	93.9	1	41.0-146		J3	30.4	20

L988622-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988622-19 04/26/18 16:51 • (MS) R3304941-3 04/26/18 17:28 • (MSD) R3304941-4 04/26/18 17:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloromethane	25.0	U	18.9	24.1	75.7	96.5	1	14.0-151		J3	24.2	20
1,2,3-Trimethylbenzene	25.0	U	17.7	24.1	70.7	96.4	1	48.0-138		J3	30.8	20
1,3,5-Trimethylbenzene	25.0	U	16.8	23.0	67.1	92.0	1	44.0-143		J3	31.3	20
1,2-Dibromo-3-Chloropropane	25.0	U	16.9	22.6	67.7	90.2	1	49.0-144		J3	28.5	24
Vinyl acetate	125	U	93.5	122	74.8	97.2	1	30.0-160		J3	26.1	20
1,2-Dibromoethane	25.0	U	17.1	23.0	68.3	92.1	1	54.0-140		J3	29.7	20
Xylenes, Total	75.0	U	52.8	72.0	70.4	96.0	1	41.0-148		J3	30.8	20
1,2-Dichlorobenzene	25.0	U	17.1	23.4	68.5	93.6	1	56.0-139		J3	31.0	20
1,3-Dichlorobenzene	25.0	U	17.3	23.6	69.3	94.4	1	50.0-141		J3	30.7	20
1,4-Dichlorobenzene	25.0	U	17.3	23.4	69.0	93.7	1	53.0-136		J3	30.3	20
Dichlorodifluoromethane	25.0	U	18.0	24.1	72.0	96.3	1	20.0-160		J3	28.8	21
1,1-Dichloroethane	25.0	0.625	18.4	24.4	71.1	95.0	1	47.0-143		J3	28.0	20
1,2-Dichloroethane	25.0	0.767	17.4	23.1	66.4	89.1	1	47.0-141		J3	28.2	20
1,1-Dichloroethene	25.0	U	17.7	23.6	70.8	94.3	1	31.0-148		J3	28.4	20
cis-1,2-Dichloroethene	25.0	U	16.9	22.6	67.7	90.3	1	43.0-142		J3	28.6	20
trans-1,2-Dichloroethene	25.0	U	16.4	21.9	65.6	87.6	1	36.0-141		J3	28.7	20
1,2-Dichloropropane	25.0	U	17.5	23.7	69.9	94.9	1	51.0-141		J3	30.3	20
Ethylbenzene	25.0	U	18.1	24.3	72.2	97.2	1	42.0-147		J3	29.5	20
Hexachloro-1,3-butadiene	25.0	U	19.2	27.2	76.8	109	1	44.0-146		J3	34.6	21
Methylene Chloride	25.0	U	16.7	21.8	67.0	87.3	1	42.0-135		J3	26.4	20
Naphthalene	25.0	U	17.4	24.1	69.7	96.4	1	42.0-146		J3	32.1	24
Styrene	25.0	U	16.5	22.4	66.1	89.7	1	47.0-147		J3	30.4	20
1,1,1,2-Tetrachloroethane	25.0	U	17.8	24.3	71.0	97.2	1	52.0-140		J3	31.1	20
1,1,2,2-Tetrachloroethane	25.0	U	15.9	21.9	63.5	87.6	1	46.0-149		J3	31.9	20
Tetrachloroethene	25.0	U	17.0	22.9	67.9	91.7	1	38.0-147		J3	29.8	20
Toluene	25.0	0.524	17.6	23.6	68.4	92.3	1	42.0-141		J3	29.0	20
1,2,4-Trichlorobenzene	25.0	U	18.6	26.0	74.6	104	1	49.0-147		J3	32.8	21
1,1,1-Trichloroethane	25.0	U	18.2	24.4	73.0	97.5	1	46.0-140		J3	28.8	20
1,1,2-Trichloroethane	25.0	U	17.1	22.8	68.5	91.3	1	54.0-139		J3	28.6	20
Trichloroethene	25.0	U	17.4	22.9	69.5	91.6	1	32.0-156		J3	27.4	20
Trichlorofluoromethane	25.0	U	19.5	26.0	78.1	104	1	32.0-152		J3	28.4	20
Vinyl chloride	25.0	U	20.0	25.9	80.0	104	1	24.0-153		J3	25.9	20
(S) Toluene-d8					*103*	*103*		*80.0-120*				
(S) Dibromofluoromethane					*94.4*	*95.6*		*76.0-123*				
(S) 4-Bromofluorobenzene					*93.9*	*93.8*		*80.0-120*				

L988622-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988622-22 04/26/18 17:10 • (MS) R3304941-5 04/26/18 18:06 • (MSD) R3304941-6 04/26/18 18:24

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	3.16	122	126	94.8	98.3	1	10.0-139			3.52	25
Acrylonitrile	125	U	117	117	93.4	93.6	1	46.0-159			0.270	23
Bromobenzene	25.0	0.544	22.9	22.5	89.3	87.8	1	51.0-137			1.60	20
Bromochloromethane	25.0	U	22.8	24.3	91.1	97.4	1	53.0-138			6.71	20
n-Butylbenzene	25.0	U	25.4	25.0	102	99.8	1	50.0-144			1.82	20
sec-Butylbenzene	25.0	U	25.4	25.1	102	100	1	48.0-143			1.22	20
tert-Butylbenzene	25.0	U	24.7	24.3	98.8	97.1	1	50.0-142			1.75	20
Carbon disulfide	25.0	U	20.1	20.8	80.5	83.3	1	10.0-147			3.38	20
2-Chlorotoluene	25.0	U	23.2	23.1	92.8	92.5	1	48.0-142			0.267	20
4-Chlorotoluene	25.0	0.235	23.5	23.3	93.1	92.2	1	52.0-139			0.901	20
Dibromomethane	25.0	U	22.9	23.7	91.7	94.9	1	53.0-138			3.43	20
1,1-Dichloropropene	25.0	U	24.5	23.7	97.9	95.0	1	42.0-146			3.05	20
1,3-Dichloropropane	25.0	0.298	24.6	24.1	97.4	95.2	1	58.0-139			2.26	20
cis-1,3-Dichloropropene	25.0	U	23.9	23.7	95.5	94.9	1	53.0-139			0.667	20
trans-1,3-Dichloropropene	25.0	U	23.7	23.3	94.9	93.4	1	51.0-143			1.62	20
trans-1,4-Dichloro-2-butene	25.0	0.268	24.3	22.9	96.1	90.7	1	40.0-150			5.70	21
2,2-Dichloropropane	25.0	0.222	23.5	24.8	93.2	98.2	1	43.0-139			5.17	20
Di-isopropyl ether	25.0	U	24.4	26.0	97.6	104	1	44.0-144			6.34	20
2-Hexanone	125	U	126	121	101	96.7	1	36.0-145			4.26	23
n-Hexane	25.0	0.915	21.6	20.5	82.8	78.5	1	13.0-145			5.08	20
Iodomethane	125	U	115	122	92.1	97.7	1	30.0-151			5.93	20
Isopropylbenzene	25.0	U	24.0	23.8	96.1	95.0	1	48.0-141			1.18	20
p-Isopropyltoluene	25.0	U	24.8	24.5	99.1	98.1	1	49.0-146			1.02	20
2-Butanone (MEK)	125	1.39	119	126	94.3	99.6	1	12.0-149			5.44	24
4-Methyl-2-pentanone (MIBK)	125	U	123	119	98.1	95.1	1	44.0-160			3.12	22
Benzene	25.0	U	23.6	24.5	94.4	98.0	1	34.0-147			3.78	20
Methyl tert-butyl ether	25.0	U	23.1	24.2	92.5	96.6	1	42.0-142			4.40	20
Bromodichloromethane	25.0	U	23.7	24.1	94.7	96.5	1	52.0-135			1.90	20
n-Propylbenzene	25.0	U	23.7	23.3	94.9	93.0	1	47.0-144			2.03	20
Bromoform	25.0	U	23.0	22.4	92.0	89.6	1	50.0-146			2.58	20
Bromomethane	25.0	U	23.3	25.6	93.3	103	1	10.0-160			9.38	23
1,1,2-Trichlorotrifluoroethane	25.0	U	26.2	27.0	105	108	1	40.0-151			3.05	21
1,2,3-Trichlorobenzene	25.0	U	25.3	25.5	101	102	1	45.0-145			0.637	22
Carbon tetrachloride	25.0	U	23.5	22.3	93.9	89.0	1	41.0-138			5.30	20
Chlorobenzene	25.0	U	24.0	23.8	95.8	95.3	1	52.0-141			0.557	20
Chlorodibromomethane	25.0	U	23.5	23.3	94.2	93.1	1	54.0-142			1.20	20
Chloroethane	25.0	U	25.3	26.3	101	105	1	23.0-160			3.92	20
1,2,3-Trichloropropane	25.0	U	22.7	21.9	90.7	87.8	1	54.0-143			3.32	21
Chloroform	25.0	U	23.9	25.0	95.5	100	1	50.0-139			4.68	20
1,2,4-Trimethylbenzene	25.0	U	23.9	23.5	95.5	94.1	1	41.0-146			1.47	20

L988622-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988622-22 04/26/18 17:10 • (MS) R3304941-5 04/26/18 18:06 • (MSD) R3304941-6 04/26/18 18:24

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloromethane	25.0	U	23.9	25.4	95.4	102	1	14.0-151			6.22	20
1,2,3-Trimethylbenzene	25.0	U	24.2	24.3	96.7	97.3	1	48.0-138			0.615	20
1,3,5-Trimethylbenzene	25.0	U	23.2	23.2	92.9	92.6	1	44.0-143			0.283	20
1,2-Dibromo-3-Chloropropane	25.0	U	24.3	22.9	97.4	91.5	1	49.0-144			6.20	24
Vinyl acetate	125	U	130	135	104	108	1	30.0-160			3.86	20
1,2-Dibromoethane	25.0	U	23.3	23.1	93.2	92.4	1	54.0-140			0.829	20
Xylenes, Total	75.0	U	71.7	71.0	95.6	94.7	1	41.0-148			0.981	20
1,2-Dichlorobenzene	25.0	U	23.6	23.5	94.5	94.1	1	56.0-139			0.457	20
1,3-Dichlorobenzene	25.0	U	23.9	23.6	95.6	94.2	1	50.0-141			1.42	20
1,4-Dichlorobenzene	25.0	U	23.4	23.4	93.7	93.7	1	53.0-136			0.00998	20
Dichlorodifluoromethane	25.0	U	23.8	24.9	95.2	99.6	1	20.0-160			4.59	21
1,1-Dichloroethane	25.0	6.71	31.0	32.4	97.0	103	1	47.0-143			4.42	20
1,2-Dichloroethane	25.0	1.63	25.0	26.4	93.3	99.1	1	47.0-141			5.65	20
1,1-Dichloroethene	25.0	0.735	24.5	24.8	95.0	96.4	1	31.0-148			1.49	20
cis-1,2-Dichloroethene	25.0	1.84	24.6	26.6	90.9	99.2	1	43.0-142			8.11	20
trans-1,2-Dichloroethene	25.0	1.16	23.8	24.0	90.6	91.6	1	36.0-141			1.03	20
1,2-Dichloropropane	25.0	U	24.2	23.9	97.0	95.5	1	51.0-141			1.54	20
Ethylbenzene	25.0	U	24.2	24.1	97.0	96.4	1	42.0-147			0.578	20
Hexachloro-1,3-butadiene	25.0	U	27.3	26.6	109	106	1	44.0-146			2.57	21
Methylene Chloride	25.0	U	22.5	23.9	90.0	95.5	1	42.0-135			6.03	20
Naphthalene	25.0	U	24.0	24.5	96.0	98.0	1	42.0-146			2.07	24
Styrene	25.0	U	23.0	22.9	92.1	91.4	1	47.0-147			0.666	20
1,1,1,2-Tetrachloroethane	25.0	U	24.0	23.8	95.9	95.4	1	52.0-140			0.534	20
1,1,2,2-Tetrachloroethane	25.0	U	22.8	22.0	91.0	88.0	1	46.0-149			3.37	20
Tetrachloroethene	25.0	U	23.2	23.1	92.6	92.6	1	38.0-147			0.0654	20
Toluene	25.0	U	23.3	23.1	93.1	92.3	1	42.0-141			0.899	20
1,2,4-Trichlorobenzene	25.0	U	25.4	25.3	102	101	1	49.0-147			0.260	21
1,1,1-Trichloroethane	25.0	U	24.8	24.9	99.3	99.8	1	46.0-140			0.447	20
1,1,2-Trichloroethane	25.0	U	23.2	22.7	92.9	90.8	1	54.0-139			2.37	20
Trichloroethene	25.0	U	23.8	22.7	95.1	90.9	1	32.0-156			4.49	20
Trichlorofluoromethane	25.0	U	26.3	26.8	105	107	1	32.0-152			2.00	20
Vinyl chloride	25.0	U	26.5	28.7	106	115	1	24.0-153			7.87	20
(S) Toluene-d8					*102*	*102*		*80.0-120*				
(S) Dibromofluoromethane					*97.3*	*106*		*76.0-123*				
(S) 4-Bromofluorobenzene					*96.3*	*95.9*		*80.0-120*				

Method Blank (MB)

(MB) R3305618-3 04/28/18 12:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromochloromethane	U		0.000390	0.00500
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
trans-1,4-Dichloro-2-butene	U		0.000778	0.00250
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3305618-3 04/28/18 12:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*120*			*74.0-131*
(S) 4-Bromofluorobenzene	*126*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305618-1 04/28/18 11:04 • (LCSD) R3305618-2 04/28/18 11:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.146	0.135	116	108	11.0-160			7.29	23
Acrylonitrile	0.125	0.140	0.137	112	109	61.0-143			2.34	20
Benzene	0.0250	0.0243	0.0235	97.1	94.1	71.0-124			3.19	20
Bromobenzene	0.0250	0.0222	0.0221	88.9	88.3	78.0-120			0.724	20
Bromodichloromethane	0.0250	0.0235	0.0222	94.0	89.0	75.0-120			5.53	20
Bromochloromethane	0.0250	0.0250	0.0235	100	94.1	80.0-121			6.22	20
Bromoform	0.0250	0.0248	0.0240	99.2	95.9	65.0-133			3.40	20
Bromomethane	0.0250	0.0264	0.0219	106	87.8	26.0-160			18.4	20
n-Butylbenzene	0.0250	0.0231	0.0217	92.6	86.9	73.0-126			6.35	20
sec-Butylbenzene	0.0250	0.0228	0.0218	91.4	87.0	75.0-121			4.91	20
tert-Butylbenzene	0.0250	0.0220	0.0211	88.2	84.3	74.0-122			4.53	20
Carbon disulfide	0.0250	0.0243	0.0239	97.0	95.7	53.0-130			1.34	20
Carbon tetrachloride	0.0250	0.0218	0.0209	87.2	83.8	66.0-123			4.06	20
Chlorobenzene	0.0250	0.0207	0.0193	82.7	77.4	79.0-121		J4	6.66	20
Chlorodibromomethane	0.0250	0.0228	0.0208	91.3	83.3	74.0-128			9.13	20
Chloroethane	0.0250	0.0281	0.0268	112	107	51.0-147			4.95	20
Chloroform	0.0250	0.0257	0.0242	103	96.6	73.0-123			6.07	20
Chloromethane	0.0250	0.0224	0.0227	89.5	90.7	51.0-138			1.37	20
2-Chlorotoluene	0.0250	0.0228	0.0229	91.3	91.5	72.0-124			0.227	20
4-Chlorotoluene	0.0250	0.0227	0.0223	90.8	89.0	78.0-120			1.93	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0223	0.0213	89.3	85.1	65.0-126			4.80	20
1,2-Dibromoethane	0.0250	0.0228	0.0221	91.4	88.5	78.0-122			3.25	20
Dibromomethane	0.0250	0.0243	0.0237	97.2	94.6	79.0-120			2.73	20
1,2-Dichlorobenzene	0.0250	0.0230	0.0216	92.1	86.2	80.0-120			6.64	20
1,3-Dichlorobenzene	0.0250	0.0222	0.0217	88.9	86.8	72.0-123			2.36	20
1,4-Dichlorobenzene	0.0250	0.0224	0.0214	89.7	85.8	77.0-120			4.46	20
trans-1,4-Dichloro-2-butene	0.0250	0.0270	0.0277	108	111	68.0-126			2.57	20
Dichlorodifluoromethane	0.0250	0.0235	0.0222	94.1	88.6	49.0-155			6.00	20
1,1-Dichloroethane	0.0250	0.0244	0.0238	97.6	95.2	70.0-128			2.49	20
1,2-Dichloroethane	0.0250	0.0276	0.0275	111	110	69.0-128			0.530	20
1,1-Dichloroethene	0.0250	0.0235	0.0224	93.9	89.7	63.0-131			4.55	20
cis-1,2-Dichloroethene	0.0250	0.0249	0.0237	99.7	94.6	74.0-123			5.26	20
trans-1,2-Dichloroethene	0.0250	0.0219	0.0205	87.4	82.0	72.0-122			6.39	20
1,2-Dichloropropane	0.0250	0.0220	0.0212	87.8	85.0	75.0-126			3.30	20
1,1-Dichloropropene	0.0250	0.0242	0.0232	96.7	92.8	72.0-130			4.16	20
1,3-Dichloropropane	0.0250	0.0235	0.0229	94.0	91.8	80.0-121			2.37	20
cis-1,3-Dichloropropene	0.0250	0.0247	0.0232	98.9	92.7	80.0-125			6.50	20
trans-1,3-Dichloropropene	0.0250	0.0240	0.0232	96.0	92.7	75.0-129			3.52	20
2,2-Dichloropropane	0.0250	0.0240	0.0229	96.1	91.7	60.0-129			4.60	20
Di-isopropyl ether	0.0250	0.0243	0.0234	97.3	93.4	62.0-133			4.06	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305618-1 04/28/18 11:04 • (LCSD) R3305618-2 04/28/18 11:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0214	0.0200	85.7	80.1	77.0-120			6.77	20
Hexachloro-1,3-butadiene	0.0250	0.0230	0.0184	92.0	73.6	68.0-128		J3	22.3	20
2-Hexanone	0.125	0.127	0.117	102	93.8	61.0-143			8.27	20
n-Hexane	0.0250	0.0210	0.0210	84.2	84.0	57.0-125			0.173	20
Iodomethane	0.125	0.127	0.120	101	96.1	67.0-132			5.42	20
Isopropylbenzene	0.0250	0.0216	0.0216	86.6	86.6	75.0-120			0.00878	20
p-Isopropyltoluene	0.0250	0.0226	0.0211	90.5	84.6	74.0-125			6.72	20
2-Butanone (MEK)	0.125	0.138	0.133	110	106	37.0-159			3.96	20
Methylene Chloride	0.0250	0.0197	0.0193	78.9	77.0	67.0-123			2.36	20
4-Methyl-2-pentanone (MIBK)	0.125	0.128	0.119	102	95.5	60.0-144			6.67	20
Methyl tert-butyl ether	0.0250	0.0280	0.0263	112	105	66.0-125			6.24	20
Naphthalene	0.0250	0.0245	0.0225	98.0	89.9	64.0-125			8.60	20
n-Propylbenzene	0.0250	0.0217	0.0218	86.7	87.4	78.0-120			0.743	20
Styrene	0.0250	0.0218	0.0219	87.1	87.4	78.0-124			0.319	20
1,1,1,2-Tetrachloroethane	0.0250	0.0211	0.0198	84.5	79.3	74.0-124			6.38	20
1,1,2,2-Tetrachloroethane	0.0250	0.0267	0.0263	107	105	73.0-120			1.59	20
Tetrachloroethene	0.0250	0.0189	0.0185	75.6	74.1	70.0-127			2.03	20
Toluene	0.0250	0.0215	0.0205	86.0	82.2	77.0-120			4.58	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0227	0.0222	90.7	88.8	64.0-135			2.10	20
1,2,3-Trichlorobenzene	0.0250	0.0237	0.0206	94.6	82.4	68.0-126			13.8	20
1,2,4-Trichlorobenzene	0.0250	0.0243	0.0211	97.0	84.5	70.0-127			13.8	20
1,1,1-Trichloroethane	0.0250	0.0243	0.0234	97.3	93.7	69.0-125			3.79	20
1,1,2-Trichloroethane	0.0250	0.0228	0.0222	91.2	88.6	78.0-120			2.91	20
Trichloroethene	0.0250	0.0214	0.0194	85.4	77.6	79.0-120		J4	9.59	20
Trichlorofluoromethane	0.0250	0.0258	0.0243	103	97.3	59.0-136			5.72	20
1,2,3-Trichloropropane	0.0250	0.0270	0.0276	108	110	73.0-124			2.19	20
1,2,3-Trimethylbenzene	0.0250	0.0220	0.0207	88.0	82.7	76.0-120			6.27	20
1,2,4-Trimethylbenzene	0.0250	0.0237	0.0226	94.9	90.6	75.0-120			4.66	20
1,3,5-Trimethylbenzene	0.0250	0.0220	0.0214	88.2	85.8	75.0-120			2.74	20
Vinyl acetate	0.125	0.222	0.210	178	168	58.0-156	J4	J4	5.51	20
Vinyl chloride	0.0250	0.0237	0.0231	94.9	92.6	63.0-134			2.46	20
Xylenes, Total	0.0750	0.0651	0.0590	86.8	78.7	77.0-120		J4	9.83	20
(S) Toluene-d8				*103*	*104*	*80.0-120*				
(S) Dibromofluoromethane				*109*	*110*	*74.0-131*				
(S) 4-Bromofluorobenzene				*102*	*110*	*64.0-132*				

Method Blank (MB)

(MB) R3306414-3 05/01/18 10:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acrylonitrile	U		0.00190	0.0125
Benzene	U		0.000400	0.00100
Bromobenzene	U		0.00105	0.0125
Bromodichloromethane	U		0.000788	0.00250
Bromochloromethane	U		0.00113	0.00500
Bromoform	U		0.00598	0.0250
Bromomethane	U		0.00370	0.0125
n-Butylbenzene	U		0.00384	0.0125
sec-Butylbenzene	U		0.00253	0.0125
tert-Butylbenzene	U		0.00155	0.00500
Carbon disulfide	U		0.00406	0.0125
Carbon tetrachloride	U		0.00108	0.00500
Chlorobenzene	U		0.000573	0.00250
Chlorodibromomethane	U		0.000450	0.00250
Chloroethane	U		0.00108	0.00500
Chloroform	U		0.000415	0.00250
Chloromethane	U		0.00139	0.0125
2-Chlorotoluene	U		0.000920	0.00250
4-Chlorotoluene	U		0.00113	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00510	0.0250
1,2-Dibromoethane	U		0.000525	0.00250
Dibromomethane	U		0.00100	0.00500
1,2-Dichlorobenzene	U		0.00145	0.00500
1,3-Dichlorobenzene	U		0.00170	0.00500
1,4-Dichlorobenzene	U		0.00197	0.00500
trans-1,4-Dichloro-2-butene	U		0.00140	0.00500
Dichlorodifluoromethane	U		0.000818	0.00250
1,1-Dichloroethane	U		0.000575	0.00250
1,2-Dichloroethane	U		0.000475	0.00250
1,1-Dichloroethene	U		0.000500	0.00250
cis-1,2-Dichloroethene	U		0.000690	0.00250
trans-1,2-Dichloroethene	U		0.00143	0.00500
1,2-Dichloropropane	U		0.00127	0.00500
1,1-Dichloropropene	U		0.000700	0.00250
1,3-Dichloropropane	U		0.00175	0.00500
cis-1,3-Dichloropropene	U		0.000678	0.00250
trans-1,3-Dichloropropene	U		0.00153	0.00500
2,2-Dichloropropane	U		0.000793	0.00250
Di-isopropyl ether	U		0.000350	0.00100
Ethylbenzene	U		0.000530	0.00250

Method Blank (MB)

(MB) R3306414-3 05/01/18 10:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.0127	0.0250
n-Hexane	U		0.00106	0.00500
2-Hexanone	U		0.0100	0.0250
Iodomethane	U		0.00605	0.0125
Isopropylbenzene	U		0.000863	0.00250
p-Isopropyltoluene	U		0.00233	0.00500
2-Butanone (MEK)	U		0.0125	0.0250
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.0100	0.0250
Methyl tert-butyl ether	U		0.000295	0.00100
Naphthalene	U		0.00312	0.0125
n-Propylbenzene	U		0.00118	0.00500
Styrene	U		0.00273	0.0125
1,1,1,2-Tetrachloroethane	U		0.000500	0.00250
1,1,2,2-Tetrachloroethane	U		0.000390	0.00250
Tetrachloroethene	U		0.000700	0.00250
Toluene	U		0.00125	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000675	0.00250
1,2,3-Trichlorobenzene	U		0.000625	0.00250
1,2,4-Trichlorobenzene	U		0.00482	0.0125
1,1,1-Trichloroethane	U		0.000275	0.00250
1,1,2-Trichloroethane	U		0.000883	0.00250
Trichloroethene	U		0.000400	0.00100
Trichlorofluoromethane	U		0.000500	0.00250
1,2,3-Trichloropropane	U		0.00510	0.0125
1,2,3-Trimethylbenzene	U		0.00115	0.00500
1,2,4-Trimethylbenzene	U		0.00116	0.00500
1,3,5-Trimethylbenzene	U		0.00108	0.00500
Vinyl acetate	U		0.00352	0.0125
Vinyl chloride	U		0.000683	0.00250
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	*105*			*80.0-120*
(S) Dibromofluoromethane	*84.3*			*74.0-131*
(S) 4-Bromofluorobenzene	*104*			*64.0-132*

Method Blank (MB)

(MB) R3306505-3 05/02/18 10:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0137	0.0250
(S) Toluene-d8	*113*			*80.0-120*
(S) Dibromofluoromethane	*88.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*105*			*64.0-132*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306414-1 05/01/18 08:46 • (LCSD) R3306414-2 05/01/18 09:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acrylonitrile	0.625	0.771	0.668	123	107	57.8-143			14.3	20
Benzene	0.125	0.130	0.129	104	103	72.6-120			0.427	20
Bromobenzene	0.125	0.124	0.124	99.1	99.6	80.3-115			0.482	20
Bromodichloromethane	0.125	0.124	0.123	99.6	98.3	75.3-119			1.27	20
Bromochloromethane	0.125	0.132	0.121	105	97.1	79.7-123			8.15	20
Bromoform	0.125	0.119	0.115	95.1	91.9	69.1-135			3.47	20
Bromomethane	0.125	0.115	0.110	92.2	88.4	23.0-191			4.29	20
n-Butylbenzene	0.125	0.123	0.126	98.4	100	74.2-134			2.03	20
sec-Butylbenzene	0.125	0.118	0.120	94.5	96.2	77.8-129			1.83	20
tert-Butylbenzene	0.125	0.115	0.117	92.3	93.2	77.2-129			0.998	20
Carbon disulfide	0.125	0.122	0.121	97.3	96.7	49.9-136			0.639	20
Carbon tetrachloride	0.125	0.134	0.134	107	107	69.4-129			0.0255	20
Chlorobenzene	0.125	0.119	0.123	95.1	98.2	78.9-122			3.27	20
Chlorodibromomethane	0.125	0.115	0.112	91.8	90.0	76.4-126			2.03	20
Chloroethane	0.125	0.118	0.120	94.1	95.8	47.2-147			1.78	20
Chloroform	0.125	0.131	0.126	105	101	73.3-122			3.69	20
Chloromethane	0.125	0.121	0.120	97.0	95.9	53.1-135			1.09	20
2-Chlorotoluene	0.125	0.119	0.117	95.3	93.9	74.6-127			1.56	20
4-Chlorotoluene	0.125	0.122	0.120	97.9	95.6	79.5-123			2.35	20
1,2-Dibromo-3-Chloropropane	0.125	0.118	0.113	94.2	90.0	64.9-131			4.52	20
1,2-Dibromoethane	0.125	0.122	0.122	97.5	97.7	78.7-123			0.212	20
Dibromomethane	0.125	0.133	0.129	107	103	78.5-117			3.60	20
1,2-Dichlorobenzene	0.125	0.119	0.118	94.9	94.8	83.6-119			0.185	20
1,3-Dichlorobenzene	0.125	0.120	0.116	95.8	93.2	75.9-129			2.81	20
1,4-Dichlorobenzene	0.125	0.113	0.112	90.7	89.8	81.0-115			0.975	20
trans-1,4-Dichloro-2-butene	0.125	0.144	0.141	115	113	58.4-125			2.09	20
Dichlorodifluoromethane	0.125	0.109	0.102	87.0	81.6	50.9-139			6.45	20
1,1-Dichloroethane	0.125	0.124	0.119	99.6	95.4	71.7-125			4.25	20
1,2-Dichloroethane	0.125	0.128	0.123	103	98.7	67.2-121			3.94	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306414-1 05/01/18 08:46 • (LCSD) R3306414-2 05/01/18 09:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethene	0.125	0.127	0.125	101	99.6	60.6-133			1.80	20
cis-1,2-Dichloroethene	0.125	0.129	0.127	103	101	76.1-121			2.01	20
trans-1,2-Dichloroethene	0.125	0.121	0.127	96.6	102	70.7-124			5.08	20
1,2-Dichloropropane	0.125	0.137	0.126	110	101	76.9-123			8.41	20
1,1-Dichloropropene	0.125	0.128	0.127	103	102	71.2-126			0.860	20
1,3-Dichloropropane	0.125	0.129	0.129	104	103	80.3-114			0.573	20
cis-1,3-Dichloropropene	0.125	0.116	0.118	93.2	94.3	77.3-123			1.18	20
trans-1,3-Dichloropropene	0.125	0.118	0.117	94.2	94.0	73.0-127			0.270	20
2,2-Dichloropropane	0.125	0.136	0.141	109	113	61.9-132			3.51	20
Di-isopropyl ether	0.125	0.130	0.127	104	102	67.2-131			2.05	20
Ethylbenzene	0.125	0.118	0.125	94.8	99.9	78.6-124			5.24	20
Hexachloro-1,3-butadiene	0.125	0.113	0.116	90.6	93.0	69.2-136			2.67	20
2-Hexanone	0.625	0.653	0.659	104	105	62.7-150			1.02	20
n-Hexane	0.125	0.139	0.140	112	112	59.9-125			0.0946	20
Iodomethane	0.625	1.95	1.91	312	306	63.3-136	J4	J4	1.93	20
Isopropylbenzene	0.125	0.120	0.118	96.0	94.8	79.4-126			1.32	20
p-Isopropyltoluene	0.125	0.118	0.119	94.6	94.9	75.4-132			0.305	20
2-Butanone (MEK)	0.625	0.727	0.715	116	114	44.5-154			1.64	21.3
Methylene Chloride	0.125	0.134	0.124	107	99.0	68.2-119			7.93	20
4-Methyl-2-pentanone (MIBK)	0.625	0.704	0.694	113	111	61.1-138			1.48	20
Methyl tert-butyl ether	0.125	0.137	0.133	109	106	70.2-122			3.14	20
Naphthalene	0.125	0.117	0.118	93.7	94.6	69.9-132			0.873	20
n-Propylbenzene	0.125	0.125	0.123	99.7	98.5	80.2-124			1.18	20
Styrene	0.125	0.122	0.119	97.2	95.3	79.4-124			1.98	20
1,1,1,2-Tetrachloroethane	0.125	0.128	0.127	102	102	76.7-127			0.758	20
1,1,2,2-Tetrachloroethane	0.125	0.127	0.122	101	97.4	78.8-124			4.02	20
Tetrachloroethene	0.125	0.123	0.126	98.5	100	71.1-133			1.97	20
Toluene	0.125	0.121	0.125	96.7	99.8	76.7-116			3.16	20
1,1,2-Trichlorotrifluoroethane	0.125	0.123	0.122	98.0	97.3	62.6-138			0.714	20
1,2,3-Trichlorobenzene	0.125	0.112	0.116	89.7	93.1	72.5-137			3.68	20
1,2,4-Trichlorobenzene	0.125	0.116	0.117	92.6	93.9	74.0-137			1.39	20
1,1,1-Trichloroethane	0.125	0.121	0.118	96.7	94.0	69.9-127			2.78	20
1,1,2-Trichloroethane	0.125	0.128	0.127	102	102	81.9-119			0.600	20
Trichloroethene	0.125	0.117	0.114	94.0	91.4	77.2-122			2.84	20
Trichlorofluoromethane	0.125	0.124	0.126	99.1	101	51.5-151			1.40	20
1,2,3-Trichloropropane	0.125	0.128	0.122	103	97.7	74.0-124			5.04	20
1,2,3-Trimethylbenzene	0.125	0.118	0.118	94.2	94.2	79.4-118			0.0178	20
1,2,4-Trimethylbenzene	0.125	0.120	0.122	96.3	97.6	77.1-124			1.34	20
1,3,5-Trimethylbenzene	0.125	0.121	0.121	96.8	97.0	79.0-125			0.231	20
Vinyl acetate	0.625	0.811	0.748	130	120	39.8-156			8.08	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306414-1 05/01/18 08:46 • (LCSD) R3306414-2 05/01/18 09:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	0.125	0.114	0.115	90.9	91.6	58.4-134			0.847	20
Xylenes, Total	0.375	0.338	0.353	90.1	94.1	78.1-123			4.34	20
(S) Toluene-d8				*101*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*105*	*100*	*74.0-131*				
(S) 4-Bromofluorobenzene				*103*	*101*	*64.0-132*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306505-1 05/02/18 09:00 • (LCSD) R3306505-2 05/02/18 09:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.607	0.647	97.1	103	25.3-178			6.32	22.9
(S) Toluene-d8				*108*	*110*	*80.0-120*				
(S) Dibromofluoromethane				*88.0*	*86.8*	*74.0-131*				
(S) 4-Bromofluorobenzene				*104*	*107*	*64.0-132*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

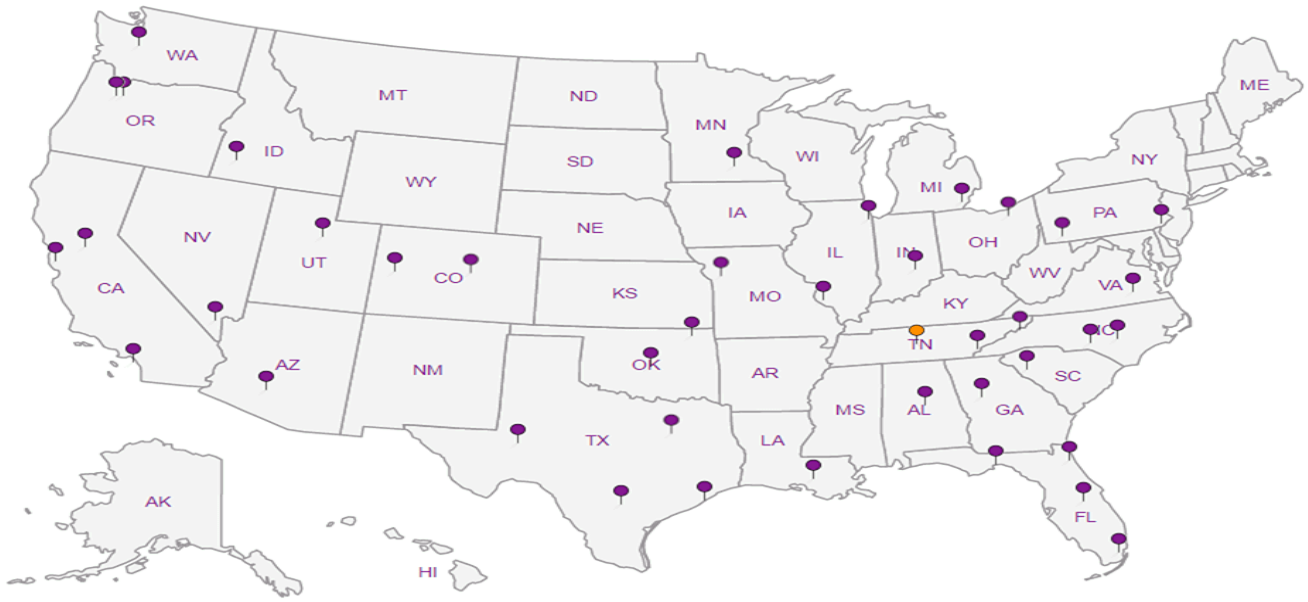
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: SEATTLE WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #

Lab Project # PESENVSWA-ALP

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R.T. Mayfield

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

ESC LABORATORIES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 988727

Tab G205

Acctnum: PESENVSWA
Template: T134663
Prelogin: P647545
TSR: 110 - Brian Ford
PB: 4-4-18 CM

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-248-5	Grab	SS	5	4/23/18	0925	5	X	X		-01
B-248-10	"	SS	10	"	0935	"	"	"		-02
B-248-15	"	SS	15	"	0945	"	"	"		-03
B-248-20	"	SS	20	"	0950	"	"	"		-04
B-248-25	"	SS	25	"	1000	"	"	"		-05
B-248-35	"	SS	35	"	1025	"	"	"		-06
B-248-40	"	SS	40	"	1040	"	"	"		-07
B-248-45	"	SS	45	"	1050	"	"	"		-08
B-248-50	"	SS	50	"	1100	"	"	"		-09
B-248-60	"	SS	60	"	1125	"	"	"		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier __ ___

Tracking # 4269 9216 3092

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCL / MeoH) TBR	
Rachel M	4/24/18	1200		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C	Bottles Received: 10
				0.5	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/25/18	Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 2 of 2

ESC LABS — a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to:
Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description:

City/State Collected: Seattle WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project #

Lab Project #
PESENVSWA-ALP

Collected by (print): Rachel M

Site/Facility ID #

P.O. #

Collected by (signature): R.T. McLaughlin

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

L# 988727

Table #

Acctnum: PESENVSWA

Template: T134663

Prelogin: P647545

TSR: 110 - Brian Ford

PB: 4-4-18 cm

Shipped Via: FedEX Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260C VOCs 40ml/NaHS04/Syr/MeOH	dry wt,voc screen 2ozClr-NoPres	Remarks	Sample # (lab only)
B-248-65	Grab	SS	65	4/23/18	1140	5	X	X		-11
B-248-70		SS	70		1220					-12
B-248-75		SS	75		1230					-13
B-248-110		SS	110	X	1350	X		X		-14
TRIP BLANK		SS	—	12-18-18	—	1	X			15
		SS								
		SS								

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4269 9216 3092

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
R.T. McLaughlin	4/24/18	1200	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: (Yes) No
HCL / MeoH
TBR

Temp: 0.5 °C Bottles Received: 10

Date: 4/25/18 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0226 U	J	0.0114	0.0571	1	04/30/2018 09:05	WG1104137	
Acrylonitrile	U		0.00204	0.0114	1	04/30/2018 09:05	WG1104137	
Benzene	U		0.000308	0.00114	1	04/30/2018 09:05	WG1104137	
Bromobenzene	U		0.000324	0.00114	1	04/30/2018 09:05	WG1104137	
Bromodichloromethane	U		0.000290	0.00114	1	04/30/2018 09:05	WG1104137	
Bromochloromethane	U		0.000445	0.00571	1	04/30/2018 09:05	WG1104137	
Bromoform	U		0.000484	0.00114	1	04/30/2018 09:05	WG1104137	
Bromomethane	U UJ	J0	0.00153	0.00571	1	04/30/2018 09:05	WG1104137	
n-Butylbenzene	U		0.000294	0.00114	1	04/30/2018 09:05	WG1104137	
sec-Butylbenzene	U		0.000229	0.00114	1	04/30/2018 09:05	WG1104137	
tert-Butylbenzene	U		0.000235	0.00114	1	04/30/2018 09:05	WG1104137	
Carbon disulfide	U		0.000252	0.00114	1	04/30/2018 09:05	WG1104137	
Carbon tetrachloride	U		0.000374	0.00114	1	04/30/2018 09:05	WG1104137	
Chlorobenzene	U UJ	J4	0.000242	0.00114	1	04/30/2018 09:05	WG1104137	
Chlorodibromomethane	U		0.000426	0.00114	1	04/30/2018 09:05	WG1104137	
Chloroethane	U		0.00108	0.00571	1	04/30/2018 09:05	WG1104137	
Chloroform	U		0.000261	0.00571	1	04/30/2018 09:05	WG1104137	
Chloromethane	U UJ	J0	0.000428	0.00285	1	04/30/2018 09:05	WG1104137	
2-Chlorotoluene	U		0.000344	0.00114	1	04/30/2018 09:05	WG1104137	
4-Chlorotoluene	U		0.000274	0.00114	1	04/30/2018 09:05	WG1104137	
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	04/30/2018 09:05	WG1104137	
1,2-Dibromoethane	U		0.000392	0.00114	1	04/30/2018 09:05	WG1104137	
Dibromomethane	U		0.000436	0.00114	1	04/30/2018 09:05	WG1104137	
1,2-Dichlorobenzene	U		0.000348	0.00114	1	04/30/2018 09:05	WG1104137	
1,3-Dichlorobenzene	U		0.000273	0.00114	1	04/30/2018 09:05	WG1104137	
1,4-Dichlorobenzene	U		0.000258	0.00114	1	04/30/2018 09:05	WG1104137	
Dichlorodifluoromethane	U		0.000814	0.00571	1	04/30/2018 09:05	WG1104137	
1,1-Dichloroethane	U		0.000227	0.00114	1	04/30/2018 09:05	WG1104137	
1,2-Dichloroethane	U		0.000302	0.00114	1	04/30/2018 09:05	WG1104137	
1,1-Dichloroethene	U		0.000346	0.00114	1	04/30/2018 09:05	WG1104137	
cis-1,2-Dichloroethene	U		0.000268	0.00114	1	04/30/2018 09:05	WG1104137	
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	04/30/2018 09:05	WG1104137	
1,2-Dichloropropane	U		0.000409	0.00114	1	04/30/2018 09:05	WG1104137	
1,1-Dichloropropene	U		0.000362	0.00114	1	04/30/2018 09:05	WG1104137	
1,3-Dichloropropane	U		0.000236	0.00114	1	04/30/2018 09:05	WG1104137	
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	04/30/2018 09:05	WG1104137	
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	04/30/2018 09:05	WG1104137	
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	04/30/2018 09:05	WG1104137	
2,2-Dichloropropane	U		0.000318	0.00114	1	04/30/2018 09:05	WG1104137	
Di-isopropyl ether	U		0.000283	0.00114	1	04/30/2018 09:05	WG1104137	
Ethylbenzene	U		0.000339	0.00114	1	04/30/2018 09:05	WG1104137	
Hexachloro-1,3-butadiene	U	J3	0.000390	0.00114	1	04/30/2018 09:05	WG1104137	
2-Hexanone	U		0.00156	0.0114	1	04/30/2018 09:05	WG1104137	
n-Hexane	0.000354 J	J	0.000331	0.0114	1	04/30/2018 09:05	WG1104137	
Iodomethane	U		0.00289	0.0114	1	04/30/2018 09:05	WG1104137	
Isopropylbenzene	U		0.000277	0.00114	1	04/30/2018 09:05	WG1104137	
p-Isopropyltoluene	U		0.000233	0.00114	1	04/30/2018 09:05	WG1104137	JC 5/15/18
2-Butanone (MEK)	U		0.00534	0.0114	1	04/30/2018 09:05	WG1104137	
Methylene Chloride	U		0.00114	0.00571	1	04/30/2018 09:05	WG1104137	
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	04/30/2018 09:05	WG1104137	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000242	0.00114	1	04/30/2018 09:05	WG1104137
Naphthalene	U			0.00114	0.00571	1	04/30/2018 09:05	WG1104137
n-Propylbenzene	U			0.000235	0.00114	1	04/30/2018 09:05	WG1104137
Styrene	U			0.000267	0.00114	1	04/30/2018 09:05	WG1104137
1,1,1,2-Tetrachloroethane	U			0.000301	0.00114	1	04/30/2018 09:05	WG1104137
1,1,2,2-Tetrachloroethane	U			0.000417	0.00114	1	04/30/2018 09:05	WG1104137
1,1,2-Trichlorotrifluoroethane	U			0.000417	0.00114	1	04/30/2018 09:05	WG1104137
Tetrachloroethene	0.00318			0.000315	0.00114	1	04/30/2018 09:05	WG1104137
Toluene	U			0.000495	0.00571	1	04/30/2018 09:05	WG1104137
1,2,3-Trichlorobenzene	U			0.000349	0.00114	1	04/30/2018 09:05	WG1104137
1,2,4-Trichlorobenzene	U			0.000443	0.00114	1	04/30/2018 09:05	WG1104137
1,1,1-Trichloroethane	U			0.000326	0.00114	1	04/30/2018 09:05	WG1104137
1,1,2-Trichloroethane	U			0.000316	0.00114	1	04/30/2018 09:05	WG1104137
Trichloroethene	U	UJ	J4	0.000318	0.00114	1	04/30/2018 09:05	WG1104137
Trichlorofluoromethane	U			0.000436	0.00571	1	04/30/2018 09:05	WG1104137
1,2,3-Trichloropropane	U			0.000846	0.00285	1	04/30/2018 09:05	WG1104137
1,2,4-Trimethylbenzene	U			0.000241	0.00114	1	04/30/2018 09:05	WG1104137
1,2,3-Trimethylbenzene	U			0.000328	0.00114	1	04/30/2018 09:05	WG1104137
1,3,5-Trimethylbenzene	U			0.000304	0.00114	1	04/30/2018 09:05	WG1104137
Vinyl acetate	U		J4	0.00273	0.0114	1	04/30/2018 09:05	WG1104137
Vinyl chloride	U			0.000332	0.00114	1	04/30/2018 09:05	WG1104137
Xylenes, Total	U	UJ	J4	0.000797	0.00342	1	04/30/2018 09:05	WG1104137
(S) Toluene-d8	*103*				*80.0-120*		*04/30/2018 09:05*	WG1104137
(S) Dibromofluoromethane	*96.7*				*74.0-131*		*04/30/2018 09:05*	WG1104137
(S) 4-Bromofluorobenzene	*90.2*				*64.0-132*		*04/30/2018 09:05*	WG1104137

JC 5/15/18

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0112	0.0558	1	04/30/2018 09:26	WG1104137	
Acrylonitrile	U		0.00200	0.0112	1	04/30/2018 09:26	WG1104137	
Benzene	U		0.000301	0.00112	1	04/30/2018 09:26	WG1104137	
Bromobenzene	U		0.000317	0.00112	1	04/30/2018 09:26	WG1104137	
Bromodichloromethane	U		0.000283	0.00112	1	04/30/2018 09:26	WG1104137	
Bromochloromethane	U		0.000435	0.00558	1	04/30/2018 09:26	WG1104137	
Bromoform	U		0.000473	0.00112	1	04/30/2018 09:26	WG1104137	
Bromomethane	U UJ	J0	0.00149	0.00558	1	04/30/2018 09:26	WG1104137	
n-Butylbenzene	U		0.000288	0.00112	1	04/30/2018 09:26	WG1104137	
sec-Butylbenzene	U		0.000224	0.00112	1	04/30/2018 09:26	WG1104137	
tert-Butylbenzene	U		0.000230	0.00112	1	04/30/2018 09:26	WG1104137	
Carbon disulfide	U		0.000246	0.00112	1	04/30/2018 09:26	WG1104137	
Carbon tetrachloride	U		0.000366	0.00112	1	04/30/2018 09:26	WG1104137	
Chlorobenzene	U UJ	J4	0.000236	0.00112	1	04/30/2018 09:26	WG1104137	
Chlorodibromomethane	U		0.000416	0.00112	1	04/30/2018 09:26	WG1104137	
Chloroethane	U		0.00105	0.00558	1	04/30/2018 09:26	WG1104137	
Chloroform	U		0.000255	0.00558	1	04/30/2018 09:26	WG1104137	
Chloromethane	U UJ	J0	0.000418	0.00279	1	04/30/2018 09:26	WG1104137	
2-Chlorotoluene	U		0.000336	0.00112	1	04/30/2018 09:26	WG1104137	
4-Chlorotoluene	U		0.000268	0.00112	1	04/30/2018 09:26	WG1104137	
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	04/30/2018 09:26	WG1104137	
1,2-Dibromoethane	U		0.000382	0.00112	1	04/30/2018 09:26	WG1104137	
Dibromomethane	U		0.000426	0.00112	1	04/30/2018 09:26	WG1104137	
1,2-Dichlorobenzene	U		0.000340	0.00112	1	04/30/2018 09:26	WG1104137	
1,3-Dichlorobenzene	U		0.000266	0.00112	1	04/30/2018 09:26	WG1104137	
1,4-Dichlorobenzene	U		0.000252	0.00112	1	04/30/2018 09:26	WG1104137	
Dichlorodifluoromethane	U		0.000795	0.00558	1	04/30/2018 09:26	WG1104137	
1,1-Dichloroethane	U		0.000222	0.00112	1	04/30/2018 09:26	WG1104137	
1,2-Dichloroethane	U		0.000295	0.00112	1	04/30/2018 09:26	WG1104137	
1,1-Dichloroethene	U		0.000338	0.00112	1	04/30/2018 09:26	WG1104137	
cis-1,2-Dichloroethene	0.000511 U	J	0.000262	0.00112	1	04/30/2018 09:26	WG1104137	
trans-1,2-Dichloroethene	U		0.000294	0.00112	1	04/30/2018 09:26	WG1104137	
1,2-Dichloropropane	U		0.000399	0.00112	1	04/30/2018 09:26	WG1104137	
1,1-Dichloropropene	U		0.000353	0.00112	1	04/30/2018 09:26	WG1104137	
1,3-Dichloropropane	U		0.000231	0.00112	1	04/30/2018 09:26	WG1104137	
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	04/30/2018 09:26	WG1104137	
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	04/30/2018 09:26	WG1104137	
trans-1,4-Dichloro-2-butene	U		0.000868	0.00279	1	04/30/2018 09:26	WG1104137	
2,2-Dichloropropane	U		0.000311	0.00112	1	04/30/2018 09:26	WG1104137	
Di-isopropyl ether	U		0.000277	0.00112	1	04/30/2018 09:26	WG1104137	
Ethylbenzene	U		0.000331	0.00112	1	04/30/2018 09:26	WG1104137	
Hexachloro-1,3-butadiene	U	J3	0.000381	0.00112	1	04/30/2018 09:26	WG1104137	
2-Hexanone	U		0.00153	0.0112	1	04/30/2018 09:26	WG1104137	
n-Hexane	U		0.000323	0.0112	1	04/30/2018 09:26	WG1104137	
Iodomethane	U		0.00282	0.0112	1	04/30/2018 09:26	WG1104137	
Isopropylbenzene	U		0.000271	0.00112	1	04/30/2018 09:26	WG1104137	
p-Isopropyltoluene	U		0.000227	0.00112	1	04/30/2018 09:26	WG1104137	
2-Butanone (MEK)	U		0.00522	0.0112	1	04/30/2018 09:26	WG1104137	
Methylene Chloride	U		0.00112	0.00558	1	04/30/2018 09:26	WG1104137	
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	04/30/2018 09:26	WG1104137	JC 5/15/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg		Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U			0.000236	0.00112	1	04/30/2018 09:26	WG1104137
Naphthalene	U			0.00112	0.00558	1	04/30/2018 09:26	WG1104137
n-Propylbenzene	U			0.000230	0.00112	1	04/30/2018 09:26	WG1104137
Styrene	U			0.000261	0.00112	1	04/30/2018 09:26	WG1104137
1,1,1,2-Tetrachloroethane	U			0.000294	0.00112	1	04/30/2018 09:26	WG1104137
1,1,2,2-Tetrachloroethane	U			0.000407	0.00112	1	04/30/2018 09:26	WG1104137
1,1,2-Trichlorotrifluoroethane	U			0.000407	0.00112	1	04/30/2018 09:26	WG1104137
Tetrachloroethene	0.0178			0.000308	0.00112	1	04/30/2018 09:26	WG1104137
Toluene	U			0.000484	0.00558	1	04/30/2018 09:26	WG1104137
1,2,3-Trichlorobenzene	U			0.000341	0.00112	1	04/30/2018 09:26	WG1104137
1,2,4-Trichlorobenzene	U			0.000433	0.00112	1	04/30/2018 09:26	WG1104137
1,1,1-Trichloroethane	U			0.000319	0.00112	1	04/30/2018 09:26	WG1104137
1,1,2-Trichloroethane	U			0.000309	0.00112	1	04/30/2018 09:26	WG1104137
Trichloroethene	0.00126	J	J4	0.000311	0.00112	1	04/30/2018 09:26	WG1104137
Trichlorofluoromethane	U			0.000426	0.00558	1	04/30/2018 09:26	WG1104137
1,2,3-Trichloropropane	U			0.000826	0.00279	1	04/30/2018 09:26	WG1104137
1,2,4-Trimethylbenzene	U			0.000235	0.00112	1	04/30/2018 09:26	WG1104137
1,2,3-Trimethylbenzene	U			0.000320	0.00112	1	04/30/2018 09:26	WG1104137
1,3,5-Trimethylbenzene	U			0.000297	0.00112	1	04/30/2018 09:26	WG1104137
Vinyl acetate	U		J4	0.00266	0.0112	1	04/30/2018 09:26	WG1104137
Vinyl chloride	U			0.000324	0.00112	1	04/30/2018 09:26	WG1104137
Xylenes, Total	U	UJ	J4	0.000778	0.00335	1	04/30/2018 09:26	WG1104137
(S) Toluene-d8	*103*				*80.0-120*		*04/30/2018 09:26*	WG1104137
(S) Dibromofluoromethane	*91.3*				*74.0-131*		*04/30/2018 09:26*	WG1104137
(S) 4-Bromofluorobenzene	*91.4*				*64.0-132*		*04/30/2018 09:26*	WG1104137

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0151	0.0275	1	05/02/2018 14:11	WG1105867
Acrylonitrile	U		0.00209	0.0137	1	05/01/2018 13:02	WG1105867
Benzene	U		0.000440	0.00110	1	05/01/2018 13:02	WG1105867
Bromobenzene	U		0.00115	0.0137	1	05/01/2018 13:02	WG1105867
Bromodichloromethane	U		0.000867	0.00275	1	05/01/2018 13:02	WG1105867
Bromochloromethane	U		0.00124	0.00550	1	05/01/2018 13:02	WG1105867
Bromoform	U		0.00658	0.0275	1	05/01/2018 13:02	WG1105867
Bromomethane	U		0.00407	0.0137	1	05/01/2018 13:02	WG1105867
n-Butylbenzene	U		0.00422	0.0137	1	05/01/2018 13:02	WG1105867
sec-Butylbenzene	U		0.00278	0.0137	1	05/01/2018 13:02	WG1105867
tert-Butylbenzene	U		0.00170	0.00550	1	05/01/2018 13:02	WG1105867
Carbon disulfide	U		0.00447	0.0137	1	05/01/2018 13:02	WG1105867
Carbon tetrachloride	U		0.00119	0.00550	1	05/01/2018 13:02	WG1105867
Chlorobenzene	U		0.000630	0.00275	1	05/01/2018 13:02	WG1105867
Chlorodibromomethane	U		0.000495	0.00275	1	05/01/2018 13:02	WG1105867
Chloroethane	U		0.00119	0.00550	1	05/01/2018 13:02	WG1105867
Chloroform	U		0.000456	0.00275	1	05/01/2018 13:02	WG1105867
Chloromethane	U		0.00153	0.0137	1	05/01/2018 13:02	WG1105867
2-Chlorotoluene	U		0.00101	0.00275	1	05/01/2018 13:02	WG1105867
4-Chlorotoluene	U		0.00124	0.00550	1	05/01/2018 13:02	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00561	0.0275	1	05/01/2018 13:02	WG1105867
1,2-Dibromoethane	U		0.000577	0.00275	1	05/01/2018 13:02	WG1105867
Dibromomethane	U		0.00110	0.00550	1	05/01/2018 13:02	WG1105867
1,2-Dichlorobenzene	U		0.00159	0.00550	1	05/01/2018 13:02	WG1105867
1,3-Dichlorobenzene	U		0.00187	0.00550	1	05/01/2018 13:02	WG1105867
1,4-Dichlorobenzene	U		0.00217	0.00550	1	05/01/2018 13:02	WG1105867
Dichlorodifluoromethane	U		0.000900	0.00275	1	05/01/2018 13:02	WG1105867
1,1-Dichloroethane	U		0.000632	0.00275	1	05/01/2018 13:02	WG1105867
1,2-Dichloroethane	U		0.000522	0.00275	1	05/01/2018 13:02	WG1105867
1,1-Dichloroethene	U		0.000550	0.00275	1	05/01/2018 13:02	WG1105867
cis-1,2-Dichloroethene	0.00113	U J	0.000759	0.00275	1	05/01/2018 13:02	WG1105867
trans-1,2-Dichloroethene	U		0.00157	0.00550	1	05/01/2018 13:02	WG1105867
1,2-Dichloropropane	U		0.00140	0.00550	1	05/01/2018 13:02	WG1105867
1,1-Dichloropropene	U		0.000770	0.00275	1	05/01/2018 13:02	WG1105867
1,3-Dichloropropane	U		0.00192	0.00550	1	05/01/2018 13:02	WG1105867
cis-1,3-Dichloropropene	U		0.000746	0.00275	1	05/01/2018 13:02	WG1105867
trans-1,3-Dichloropropene	U		0.00168	0.00550	1	05/01/2018 13:02	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00154	0.00550	1	05/01/2018 13:02	WG1105867
2,2-Dichloropropane	U		0.000872	0.00275	1	05/01/2018 13:02	WG1105867
Di-isopropyl ether	U		0.000385	0.00110	1	05/01/2018 13:02	WG1105867
Ethylbenzene	U		0.000583	0.00275	1	05/01/2018 13:02	WG1105867
Hexachloro-1,3-butadiene	U		0.0140	0.0275	1	05/01/2018 13:02	WG1105867
2-Hexanone	U		0.0110	0.0275	1	05/01/2018 13:02	WG1105867
n-Hexane	U		0.00117	0.00550	1	05/01/2018 13:02	WG1105867
Iodomethane	U	J4	0.00665	0.0137	1	05/01/2018 13:02	WG1105867
Isopropylbenzene	U		0.000949	0.00275	1	05/01/2018 13:02	WG1105867
p-Isopropyltoluene	U		0.00256	0.00550	1	05/01/2018 13:02	WG1105867
2-Butanone (MEK)	U		0.0137	0.0275	1	05/01/2018 13:02	WG1105867
Methylene Chloride	U		0.00730	0.0275	1	05/01/2018 13:02	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0110	0.0275	1	05/01/2018 13:02	WG1105867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000324	0.00110	1	05/01/2018 13:02	WG1105867
Naphthalene	U		0.00343	0.0137	1	05/01/2018 13:02	WG1105867
n-Propylbenzene	U		0.00130	0.00550	1	05/01/2018 13:02	WG1105867
Styrene	U		0.00300	0.0137	1	05/01/2018 13:02	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000550	0.00275	1	05/01/2018 13:02	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000429	0.00275	1	05/01/2018 13:02	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000742	0.00275	1	05/01/2018 13:02	WG1105867
Tetrachloroethene	0.118		0.000770	0.00275	1	05/01/2018 13:02	WG1105867
Toluene	U		0.00137	0.00550	1	05/01/2018 13:02	WG1105867
1,2,3-Trichlorobenzene	U		0.000687	0.00275	1	05/01/2018 13:02	WG1105867
1,2,4-Trichlorobenzene	U		0.00530	0.0137	1	05/01/2018 13:02	WG1105867
1,1,1-Trichloroethane	U		0.000302	0.00275	1	05/01/2018 13:02	WG1105867
1,1,2-Trichloroethane	U		0.000971	0.00275	1	05/01/2018 13:02	WG1105867
Trichloroethene	0.00378		0.000440	0.00110	1	05/01/2018 13:02	WG1105867
Trichlorofluoromethane	U		0.000550	0.00275	1	05/01/2018 13:02	WG1105867
1,2,3-Trichloropropane	U		0.00561	0.0137	1	05/01/2018 13:02	WG1105867
1,2,4-Trimethylbenzene	U		0.00128	0.00550	1	05/01/2018 13:02	WG1105867
1,2,3-Trimethylbenzene	U		0.00126	0.00550	1	05/01/2018 13:02	WG1105867
1,3,5-Trimethylbenzene	U		0.00119	0.00550	1	05/01/2018 13:02	WG1105867
Vinyl acetate	U		0.00387	0.0137	1	05/01/2018 13:02	WG1105867
Vinyl chloride	U		0.000751	0.00275	1	05/01/2018 13:02	WG1105867
Xylenes, Total	U		0.00526	0.00715	1	05/01/2018 13:02	WG1105867
(S) Toluene-d8	*114*			*80.0-120*		*05/02/2018 14:11*	WG1105867
(S) Toluene-d8	*104*			*80.0-120*		*05/01/2018 13:02*	WG1105867
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*05/01/2018 13:02*	WG1105867
(S) Dibromofluoromethane	*94.8*			*74.0-131*		*05/02/2018 14:11*	WG1105867
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*05/02/2018 14:11*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 13:02*	WG1105867

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0108	0.0541	1	04/30/2018 09:47	WG1104137
Acrylonitrile	U		0.00194	0.0108	1	04/30/2018 09:47	WG1104137
Benzene	U		0.000292	0.00108	1	04/30/2018 09:47	WG1104137
Bromobenzene	U		0.000307	0.00108	1	04/30/2018 09:47	WG1104137
Bromodichloromethane	U		0.000275	0.00108	1	04/30/2018 09:47	WG1104137
Bromochloromethane	U		0.000422	0.00541	1	04/30/2018 09:47	WG1104137
Bromoform	U		0.000459	0.00108	1	04/30/2018 09:47	WG1104137
Bromomethane	U UJ	J0	0.00145	0.00541	1	04/30/2018 09:47	WG1104137
n-Butylbenzene	U		0.000279	0.00108	1	04/30/2018 09:47	WG1104137
sec-Butylbenzene	U		0.000217	0.00108	1	04/30/2018 09:47	WG1104137
tert-Butylbenzene	U		0.000223	0.00108	1	04/30/2018 09:47	WG1104137
Carbon disulfide	0.000274 J	J	0.000239	0.00108	1	04/30/2018 09:47	WG1104137
Carbon tetrachloride	U		0.000355	0.00108	1	04/30/2018 09:47	WG1104137
Chlorobenzene	U UJ	J4	0.000229	0.00108	1	04/30/2018 09:47	WG1104137
Chlorodibromomethane	U		0.000403	0.00108	1	04/30/2018 09:47	WG1104137
Chloroethane	U		0.00102	0.00541	1	04/30/2018 09:47	WG1104137
Chloroform	U		0.000248	0.00541	1	04/30/2018 09:47	WG1104137
Chloromethane	U UJ	J0	0.000406	0.00270	1	04/30/2018 09:47	WG1104137
2-Chlorotoluene	U		0.000326	0.00108	1	04/30/2018 09:47	WG1104137
4-Chlorotoluene	U		0.000260	0.00108	1	04/30/2018 09:47	WG1104137
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	04/30/2018 09:47	WG1104137
1,2-Dibromoethane	U		0.000371	0.00108	1	04/30/2018 09:47	WG1104137
Dibromomethane	U		0.000413	0.00108	1	04/30/2018 09:47	WG1104137
1,2-Dichlorobenzene	U		0.000330	0.00108	1	04/30/2018 09:47	WG1104137
1,3-Dichlorobenzene	U		0.000258	0.00108	1	04/30/2018 09:47	WG1104137
1,4-Dichlorobenzene	U		0.000244	0.00108	1	04/30/2018 09:47	WG1104137
Dichlorodifluoromethane	U		0.000771	0.00541	1	04/30/2018 09:47	WG1104137
1,1-Dichloroethane	U		0.000215	0.00108	1	04/30/2018 09:47	WG1104137
1,2-Dichloroethane	U		0.000287	0.00108	1	04/30/2018 09:47	WG1104137
1,1-Dichloroethene	U		0.000328	0.00108	1	04/30/2018 09:47	WG1104137
cis-1,2-Dichloroethene	0.00426 J+		0.000254	0.00108	1	04/30/2018 09:47	WG1104137
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	04/30/2018 09:47	WG1104137
1,2-Dichloropropane	U		0.000387	0.00108	1	04/30/2018 09:47	WG1104137
1,1-Dichloropropene	U		0.000343	0.00108	1	04/30/2018 09:47	WG1104137
1,3-Dichloropropane	U		0.000224	0.00108	1	04/30/2018 09:47	WG1104137
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	04/30/2018 09:47	WG1104137
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	04/30/2018 09:47	WG1104137
trans-1,4-Dichloro-2-butene	U		0.000841	0.00270	1	04/30/2018 09:47	WG1104137
2,2-Dichloropropane	U		0.000302	0.00108	1	04/30/2018 09:47	WG1104137
Di-isopropyl ether	U		0.000268	0.00108	1	04/30/2018 09:47	WG1104137
Ethylbenzene	U		0.000321	0.00108	1	04/30/2018 09:47	WG1104137
Hexachloro-1,3-butadiene	U	J3	0.000370	0.00108	1	04/30/2018 09:47	WG1104137
2-Hexanone	U		0.00148	0.0108	1	04/30/2018 09:47	WG1104137
n-Hexane	0.00132 J	J	0.000314	0.0108	1	04/30/2018 09:47	WG1104137
Iodomethane	U		0.00274	0.0108	1	04/30/2018 09:47	WG1104137
Isopropylbenzene	U		0.000263	0.00108	1	04/30/2018 09:47	WG1104137
p-Isopropyltoluene	U		0.000221	0.00108	1	04/30/2018 09:47	WG1104137
2-Butanone (MEK)	U		0.00506	0.0108	1	04/30/2018 09:47	WG1104137
Methylene Chloride	U		0.00108	0.00541	1	04/30/2018 09:47	WG1104137
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	04/30/2018 09:47	WG1104137

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000229	0.00108	1	04/30/2018 09:47	WG1104137
Naphthalene	U		0.00108	0.00541	1	04/30/2018 09:47	WG1104137
n-Propylbenzene	U		0.000223	0.00108	1	04/30/2018 09:47	WG1104137
Styrene	U		0.000253	0.00108	1	04/30/2018 09:47	WG1104137
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	04/30/2018 09:47	WG1104137
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	04/30/2018 09:47	WG1104137
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	04/30/2018 09:47	WG1104137
Tetrachloroethene	0.0238		0.000298	0.00108	1	04/30/2018 09:47	WG1104137
Toluene	U		0.000469	0.00541	1	04/30/2018 09:47	WG1104137
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	04/30/2018 09:47	WG1104137
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	04/30/2018 09:47	WG1104137
1,1,1-Trichloroethane	U		0.000309	0.00108	1	04/30/2018 09:47	WG1104137
1,1,2-Trichloroethane	U		0.000300	0.00108	1	04/30/2018 09:47	WG1104137
Trichloroethene	0.00233 J	J4	0.000302	0.00108	1	04/30/2018 09:47	WG1104137
Trichlorofluoromethane	U		0.000413	0.00541	1	04/30/2018 09:47	WG1104137
1,2,3-Trichloropropane	U		0.000801	0.00270	1	04/30/2018 09:47	WG1104137
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	04/30/2018 09:47	WG1104137
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	04/30/2018 09:47	WG1104137
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	04/30/2018 09:47	WG1104137
Vinyl acetate	U	J4	0.00258	0.0108	1	04/30/2018 09:47	WG1104137
Vinyl chloride	U		0.000315	0.00108	1	04/30/2018 09:47	WG1104137
Xylenes, Total	U UJ	J4	0.000755	0.00324	1	04/30/2018 09:47	WG1104137
(S) Toluene-d8	*103*			*80.0-120*		*04/30/2018 09:47*	WG1104137
(S) Dibromofluoromethane	*92.2*			*74.0-131*		*04/30/2018 09:47*	WG1104137
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*04/30/2018 09:47*	WG1104137

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0161	0.0293	1	05/02/2018 14:32	WG1105867
Acrylonitrile	U		0.00223	0.0147	1	05/01/2018 13:21	WG1105867
Benzene	U		0.000469	0.00117	1	05/01/2018 13:21	WG1105867
Bromobenzene	U		0.00123	0.0147	1	05/01/2018 13:21	WG1105867
Bromodichloromethane	U		0.000925	0.00293	1	05/01/2018 13:21	WG1105867
Bromochloromethane	U		0.00133	0.00587	1	05/01/2018 13:21	WG1105867
Bromoform	U		0.00702	0.0293	1	05/01/2018 13:21	WG1105867
Bromomethane	U		0.00434	0.0147	1	05/01/2018 13:21	WG1105867
n-Butylbenzene	U		0.00451	0.0147	1	05/01/2018 13:21	WG1105867
sec-Butylbenzene	U		0.00297	0.0147	1	05/01/2018 13:21	WG1105867
tert-Butylbenzene	U		0.00182	0.00587	1	05/01/2018 13:21	WG1105867
Carbon disulfide	U		0.00476	0.0147	1	05/01/2018 13:21	WG1105867
Carbon tetrachloride	U		0.00127	0.00587	1	05/01/2018 13:21	WG1105867
Chlorobenzene	U		0.000672	0.00293	1	05/01/2018 13:21	WG1105867
Chlorodibromomethane	U		0.000528	0.00293	1	05/01/2018 13:21	WG1105867
Chloroethane	U		0.00127	0.00587	1	05/01/2018 13:21	WG1105867
Chloroform	U		0.000487	0.00293	1	05/01/2018 13:21	WG1105867
Chloromethane	U		0.00163	0.0147	1	05/01/2018 13:21	WG1105867
2-Chlorotoluene	U		0.00108	0.00293	1	05/01/2018 13:21	WG1105867
4-Chlorotoluene	U		0.00133	0.00587	1	05/01/2018 13:21	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00598	0.0293	1	05/01/2018 13:21	WG1105867
1,2-Dibromoethane	U		0.000616	0.00293	1	05/01/2018 13:21	WG1105867
Dibromomethane	U		0.00117	0.00587	1	05/01/2018 13:21	WG1105867
1,2-Dichlorobenzene	U		0.00170	0.00587	1	05/01/2018 13:21	WG1105867
1,3-Dichlorobenzene	U		0.00199	0.00587	1	05/01/2018 13:21	WG1105867
1,4-Dichlorobenzene	U		0.00231	0.00587	1	05/01/2018 13:21	WG1105867
Dichlorodifluoromethane	U		0.000960	0.00293	1	05/01/2018 13:21	WG1105867
1,1-Dichloroethane	U		0.000675	0.00293	1	05/01/2018 13:21	WG1105867
1,2-Dichloroethane	U		0.000557	0.00293	1	05/01/2018 13:21	WG1105867
1,1-Dichloroethene	U		0.000587	0.00293	1	05/01/2018 13:21	WG1105867
cis-1,2-Dichloroethene	0.0426	J+	0.000810	0.00293	1	05/01/2018 13:21	WG1105867
trans-1,2-Dichloroethene	U		0.00168	0.00587	1	05/01/2018 13:21	WG1105867
1,2-Dichloropropane	U		0.00149	0.00587	1	05/01/2018 13:21	WG1105867
1,1-Dichloropropene	U		0.000821	0.00293	1	05/01/2018 13:21	WG1105867
1,3-Dichloropropane	U		0.00205	0.00587	1	05/01/2018 13:21	WG1105867
cis-1,3-Dichloropropene	U		0.000795	0.00293	1	05/01/2018 13:21	WG1105867
trans-1,3-Dichloropropene	U		0.00180	0.00587	1	05/01/2018 13:21	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00164	0.00587	1	05/01/2018 13:21	WG1105867
2,2-Dichloropropane	U		0.000930	0.00293	1	05/01/2018 13:21	WG1105867
Di-isopropyl ether	U		0.000411	0.00117	1	05/01/2018 13:21	WG1105867
Ethylbenzene	U		0.000622	0.00293	1	05/01/2018 13:21	WG1105867
Hexachloro-1,3-butadiene	U		0.0149	0.0293	1	05/01/2018 13:21	WG1105867
2-Hexanone	U		0.0117	0.0293	1	05/01/2018 13:21	WG1105867
n-Hexane	U		0.00124	0.00587	1	05/01/2018 13:21	WG1105867
Iodomethane	U	J4	0.00710	0.0147	1	05/01/2018 13:21	WG1105867
Isopropylbenzene	U		0.00101	0.00293	1	05/01/2018 13:21	WG1105867
p-Isopropyltoluene	U		0.00273	0.00587	1	05/01/2018 13:21	WG1105867
2-Butanone (MEK)	U		0.0147	0.0293	1	05/01/2018 13:21	WG1105867
Methylene Chloride	U		0.00779	0.0293	1	05/01/2018 13:21	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0117	0.0293	1	05/01/2018 13:21	WG1105867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000346	0.00117	1	05/01/2018 13:21	WG1105867
Naphthalene	U		0.00366	0.0147	1	05/01/2018 13:21	WG1105867
n-Propylbenzene	U		0.00138	0.00587	1	05/01/2018 13:21	WG1105867
Styrene	U		0.00320	0.0147	1	05/01/2018 13:21	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000587	0.00293	1	05/01/2018 13:21	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000458	0.00293	1	05/01/2018 13:21	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000792	0.00293	1	05/01/2018 13:21	WG1105867
Tetrachloroethene	0.621		0.000821	0.00293	1	05/01/2018 13:21	WG1105867
Toluene	U		0.00147	0.00587	1	05/01/2018 13:21	WG1105867
1,2,3-Trichlorobenzene	U		0.000733	0.00293	1	05/01/2018 13:21	WG1105867
1,2,4-Trichlorobenzene	U		0.00566	0.0147	1	05/01/2018 13:21	WG1105867
1,1,1-Trichloroethane	U		0.000323	0.00293	1	05/01/2018 13:21	WG1105867
1,1,2-Trichloroethane	U		0.00104	0.00293	1	05/01/2018 13:21	WG1105867
Trichloroethene	0.0667		0.000469	0.00117	1	05/01/2018 13:21	WG1105867
Trichlorofluoromethane	U		0.000587	0.00293	1	05/01/2018 13:21	WG1105867
1,2,3-Trichloropropane	U		0.00598	0.0147	1	05/01/2018 13:21	WG1105867
1,2,4-Trimethylbenzene	U		0.00136	0.00587	1	05/01/2018 13:21	WG1105867
1,2,3-Trimethylbenzene	U		0.00135	0.00587	1	05/01/2018 13:21	WG1105867
1,3,5-Trimethylbenzene	U		0.00127	0.00587	1	05/01/2018 13:21	WG1105867
Vinyl acetate	U		0.00413	0.0147	1	05/01/2018 13:21	WG1105867
Vinyl chloride	U		0.000801	0.00293	1	05/01/2018 13:21	WG1105867
Xylenes, Total	U		0.00561	0.00763	1	05/01/2018 13:21	WG1105867
(S) Toluene-d8	*106*			*80.0-120*		*05/01/2018 13:21*	WG1105867
(S) Toluene-d8	*110*			*80.0-120*		*05/02/2018 14:32*	WG1105867
(S) Dibromofluoromethane	*91.5*			*74.0-131*		*05/01/2018 13:21*	WG1105867
(S) Dibromofluoromethane	*87.8*			*74.0-131*		*05/02/2018 14:32*	WG1105867
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*05/02/2018 14:32*	WG1105867
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*05/01/2018 13:21*	WG1105867

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0148	0.0271	1	05/02/2018 14:53	WG1105867	
Acrylonitrile	U		0.00206	0.0135	1	05/01/2018 13:40	WG1105867	
Benzene	0.000442 J	J	0.000433	0.00108	1	05/01/2018 13:40	WG1105867	
Bromobenzene	U		0.00114	0.0135	1	05/01/2018 13:40	WG1105867	
Bromodichloromethane	U		0.000854	0.00271	1	05/01/2018 13:40	WG1105867	
Bromochloromethane	U		0.00122	0.00542	1	05/01/2018 13:40	WG1105867	
Bromoform	U		0.00648	0.0271	1	05/01/2018 13:40	WG1105867	
Bromomethane	U		0.00401	0.0135	1	05/01/2018 13:40	WG1105867	
n-Butylbenzene	U		0.00416	0.0135	1	05/01/2018 13:40	WG1105867	
sec-Butylbenzene	U		0.00274	0.0135	1	05/01/2018 13:40	WG1105867	
tert-Butylbenzene	U		0.00168	0.00542	1	05/01/2018 13:40	WG1105867	
Carbon disulfide	U		0.00440	0.0135	1	05/01/2018 13:40	WG1105867	
Carbon tetrachloride	U		0.00117	0.00542	1	05/01/2018 13:40	WG1105867	
Chlorobenzene	U		0.000621	0.00271	1	05/01/2018 13:40	WG1105867	
Chlorodibromomethane	U		0.000487	0.00271	1	05/01/2018 13:40	WG1105867	
Chloroethane	U		0.00117	0.00542	1	05/01/2018 13:40	WG1105867	
Chloroform	U		0.000450	0.00271	1	05/01/2018 13:40	WG1105867	
Chloromethane	U		0.00151	0.0135	1	05/01/2018 13:40	WG1105867	
2-Chlorotoluene	U		0.000997	0.00271	1	05/01/2018 13:40	WG1105867	
4-Chlorotoluene	U		0.00122	0.00542	1	05/01/2018 13:40	WG1105867	
1,2-Dibromo-3-Chloropropane	U		0.00552	0.0271	1	05/01/2018 13:40	WG1105867	
1,2-Dibromoethane	U		0.000569	0.00271	1	05/01/2018 13:40	WG1105867	
Dibromomethane	U		0.00108	0.00542	1	05/01/2018 13:40	WG1105867	
1,2-Dichlorobenzene	U		0.00157	0.00542	1	05/01/2018 13:40	WG1105867	
1,3-Dichlorobenzene	U		0.00184	0.00542	1	05/01/2018 13:40	WG1105867	
1,4-Dichlorobenzene	U		0.00213	0.00542	1	05/01/2018 13:40	WG1105867	
Dichlorodifluoromethane	U		0.000886	0.00271	1	05/01/2018 13:40	WG1105867	
1,1-Dichloroethane	U		0.000623	0.00271	1	05/01/2018 13:40	WG1105867	
1,2-Dichloroethane	U		0.000515	0.00271	1	05/01/2018 13:40	WG1105867	
1,1-Dichloroethene	0.000611 J	J	0.000542	0.00271	1	05/01/2018 13:40	WG1105867	
cis-1,2-Dichloroethene	0.142 J+		0.000747	0.00271	1	05/01/2018 13:40	WG1105867	
trans-1,2-Dichloroethene	U		0.00155	0.00542	1	05/01/2018 13:40	WG1105867	
1,2-Dichloropropane	U		0.00138	0.00542	1	05/01/2018 13:40	WG1105867	
1,1-Dichloropropene	U		0.000758	0.00271	1	05/01/2018 13:40	WG1105867	
1,3-Dichloropropane	U		0.00190	0.00542	1	05/01/2018 13:40	WG1105867	
cis-1,3-Dichloropropene	U		0.000734	0.00271	1	05/01/2018 13:40	WG1105867	
trans-1,3-Dichloropropene	U		0.00166	0.00542	1	05/01/2018 13:40	WG1105867	
trans-1,4-Dichloro-2-butene	U		0.00152	0.00542	1	05/01/2018 13:40	WG1105867	
2,2-Dichloropropane	U		0.000859	0.00271	1	05/01/2018 13:40	WG1105867	
Di-isopropyl ether	U		0.000379	0.00108	1	05/01/2018 13:40	WG1105867	
Ethylbenzene	U		0.000574	0.00271	1	05/01/2018 13:40	WG1105867	
Hexachloro-1,3-butadiene	U		0.0138	0.0271	1	05/01/2018 13:40	WG1105867	
2-Hexanone	U		0.0108	0.0271	1	05/01/2018 13:40	WG1105867	
n-Hexane	0.00135 J	J	0.00115	0.00542	1	05/01/2018 13:40	WG1105867	
Iodomethane	U	J4	0.00655	0.0135	1	05/01/2018 13:40	WG1105867	
Isopropylbenzene	U		0.000935	0.00271	1	05/01/2018 13:40	WG1105867	
p-Isopropyltoluene	U		0.00252	0.00542	1	05/01/2018 13:40	WG1105867	
2-Butanone (MEK)	U		0.0135	0.0271	1	05/01/2018 13:40	WG1105867	
Methylene Chloride	U		0.00719	0.0271	1	05/01/2018 13:40	WG1105867	
4-Methyl-2-pentanone (MIBK)	U		0.0108	0.0271	1	05/01/2018 13:40	WG1105867	JC 5/15/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.000698	J J	0.000320	0.00108	1	05/01/2018 13:40	WG1105867
Naphthalene	U		0.00338	0.0135	1	05/01/2018 13:40	WG1105867
n-Propylbenzene	U		0.00128	0.00542	1	05/01/2018 13:40	WG1105867
Styrene	U		0.00296	0.0135	1	05/01/2018 13:40	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000542	0.00271	1	05/01/2018 13:40	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000422	0.00271	1	05/01/2018 13:40	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000731	0.00271	1	05/01/2018 13:40	WG1105867
Tetrachloroethene	0.122		0.000758	0.00271	1	05/01/2018 13:40	WG1105867
Toluene	0.00178	J J	0.00135	0.00542	1	05/01/2018 13:40	WG1105867
1,2,3-Trichlorobenzene	U		0.000677	0.00271	1	05/01/2018 13:40	WG1105867
1,2,4-Trichlorobenzene	U		0.00522	0.0135	1	05/01/2018 13:40	WG1105867
1,1,1-Trichloroethane	U		0.000298	0.00271	1	05/01/2018 13:40	WG1105867
1,1,2-Trichloroethane	U		0.000957	0.00271	1	05/01/2018 13:40	WG1105867
Trichloroethene	0.0456		0.000433	0.00108	1	05/01/2018 13:40	WG1105867
Trichlorofluoromethane	U		0.000542	0.00271	1	05/01/2018 13:40	WG1105867
1,2,3-Trichloropropane	U		0.00552	0.0135	1	05/01/2018 13:40	WG1105867
1,2,4-Trimethylbenzene	U		0.00126	0.00542	1	05/01/2018 13:40	WG1105867
1,2,3-Trimethylbenzene	U		0.00125	0.00542	1	05/01/2018 13:40	WG1105867
1,3,5-Trimethylbenzene	U		0.00117	0.00542	1	05/01/2018 13:40	WG1105867
Vinyl acetate	U		0.00381	0.0135	1	05/01/2018 13:40	WG1105867
Vinyl chloride	U		0.000740	0.00271	1	05/01/2018 13:40	WG1105867
Xylenes, Total	U		0.00518	0.00704	1	05/01/2018 13:40	WG1105867
(S) Toluene-d8	*115*			*80.0-120*		*05/02/2018 14:53*	WG1105867
(S) Toluene-d8	*101*			*80.0-120*		*05/01/2018 13:40*	WG1105867
(S) Dibromofluoromethane	*84.0*			*74.0-131*		*05/01/2018 13:40*	WG1105867
(S) Dibromofluoromethane	*82.2*			*74.0-131*		*05/02/2018 14:53*	WG1105867
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*05/02/2018 14:53*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 13:40*	WG1105867

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	04/28/2018 09:15	WG1104049

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0153	0.0279	1	05/02/2018 15:14	WG1105867
Acrylonitrile	U		0.00212	0.0139	1	05/01/2018 13:59	WG1105867
Benzene	0.000463 J	J	0.000446	0.00111	1	05/01/2018 13:59	WG1105867
Bromobenzene	U		0.00117	0.0139	1	05/01/2018 13:59	WG1105867
Bromodichloromethane	U		0.000879	0.00279	1	05/01/2018 13:59	WG1105867
Bromochloromethane	U		0.00126	0.00557	1	05/01/2018 13:59	WG1105867
Bromoform	U		0.00667	0.0279	1	05/01/2018 13:59	WG1105867
Bromomethane	U		0.00413	0.0139	1	05/01/2018 13:59	WG1105867
n-Butylbenzene	U		0.00428	0.0139	1	05/01/2018 13:59	WG1105867
sec-Butylbenzene	U		0.00282	0.0139	1	05/01/2018 13:59	WG1105867
tert-Butylbenzene	U		0.00173	0.00557	1	05/01/2018 13:59	WG1105867
Carbon disulfide	U		0.00453	0.0139	1	05/01/2018 13:59	WG1105867
Carbon tetrachloride	U		0.00120	0.00557	1	05/01/2018 13:59	WG1105867
Chlorobenzene	U		0.000639	0.00279	1	05/01/2018 13:59	WG1105867
Chlorodibromomethane	U		0.000502	0.00279	1	05/01/2018 13:59	WG1105867
Chloroethane	U		0.00120	0.00557	1	05/01/2018 13:59	WG1105867
Chloroform	U		0.000463	0.00279	1	05/01/2018 13:59	WG1105867
Chloromethane	U		0.00155	0.0139	1	05/01/2018 13:59	WG1105867
2-Chlorotoluene	U		0.00103	0.00279	1	05/01/2018 13:59	WG1105867
4-Chlorotoluene	U		0.00126	0.00557	1	05/01/2018 13:59	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00569	0.0279	1	05/01/2018 13:59	WG1105867
1,2-Dibromoethane	U		0.000585	0.00279	1	05/01/2018 13:59	WG1105867
Dibromomethane	U		0.00111	0.00557	1	05/01/2018 13:59	WG1105867
1,2-Dichlorobenzene	U		0.00162	0.00557	1	05/01/2018 13:59	WG1105867
1,3-Dichlorobenzene	U		0.00190	0.00557	1	05/01/2018 13:59	WG1105867
1,4-Dichlorobenzene	U		0.00220	0.00557	1	05/01/2018 13:59	WG1105867
Dichlorodifluoromethane	U		0.000912	0.00279	1	05/01/2018 13:59	WG1105867
1,1-Dichloroethane	U		0.000641	0.00279	1	05/01/2018 13:59	WG1105867
1,2-Dichloroethane	U		0.000530	0.00279	1	05/01/2018 13:59	WG1105867
1,1-Dichloroethene	U		0.000557	0.00279	1	05/01/2018 13:59	WG1105867
cis-1,2-Dichloroethene	0.0429 J+		0.000769	0.00279	1	05/01/2018 13:59	WG1105867
trans-1,2-Dichloroethene	U		0.00159	0.00557	1	05/01/2018 13:59	WG1105867
1,2-Dichloropropane	U		0.00142	0.00557	1	05/01/2018 13:59	WG1105867
1,1-Dichloropropene	U		0.000780	0.00279	1	05/01/2018 13:59	WG1105867
1,3-Dichloropropane	U		0.00195	0.00557	1	05/01/2018 13:59	WG1105867
cis-1,3-Dichloropropene	U		0.000756	0.00279	1	05/01/2018 13:59	WG1105867
trans-1,3-Dichloropropene	U		0.00171	0.00557	1	05/01/2018 13:59	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00156	0.00557	1	05/01/2018 13:59	WG1105867
2,2-Dichloropropane	U		0.000884	0.00279	1	05/01/2018 13:59	WG1105867
Di-isopropyl ether	U		0.000390	0.00111	1	05/01/2018 13:59	WG1105867
Ethylbenzene	U		0.000591	0.00279	1	05/01/2018 13:59	WG1105867
Hexachloro-1,3-butadiene	U		0.0142	0.0279	1	05/01/2018 13:59	WG1105867
2-Hexanone	U		0.0111	0.0279	1	05/01/2018 13:59	WG1105867
n-Hexane	U		0.00118	0.00557	1	05/01/2018 13:59	WG1105867
Iodomethane	U	J4	0.00675	0.0139	1	05/01/2018 13:59	WG1105867
Isopropylbenzene	U		0.000962	0.00279	1	05/01/2018 13:59	WG1105867
p-Isopropyltoluene	U		0.00260	0.00557	1	05/01/2018 13:59	WG1105867
2-Butanone (MEK)	U		0.0139	0.0279	1	05/01/2018 13:59	WG1105867
Methylene Chloride	U		0.00740	0.0279	1	05/01/2018 13:59	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0111	0.0279	1	05/01/2018 13:59	WG1105867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000329	0.00111	1	05/01/2018 13:59	WG1105867
Naphthalene	U		0.00348	0.0139	1	05/01/2018 13:59	WG1105867
n-Propylbenzene	U		0.00132	0.00557	1	05/01/2018 13:59	WG1105867
Styrene	U		0.00304	0.0139	1	05/01/2018 13:59	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000557	0.00279	1	05/01/2018 13:59	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000435	0.00279	1	05/01/2018 13:59	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000753	0.00279	1	05/01/2018 13:59	WG1105867
Tetrachloroethene	0.200		0.000780	0.00279	1	05/01/2018 13:59	WG1105867
Toluene	U		0.00139	0.00557	1	05/01/2018 13:59	WG1105867
1,2,3-Trichlorobenzene	U		0.000697	0.00279	1	05/01/2018 13:59	WG1105867
1,2,4-Trichlorobenzene	U		0.00537	0.0139	1	05/01/2018 13:59	WG1105867
1,1,1-Trichloroethane	U		0.000307	0.00279	1	05/01/2018 13:59	WG1105867
1,1,2-Trichloroethane	U		0.000985	0.00279	1	05/01/2018 13:59	WG1105867
Trichloroethene	0.0599		0.000446	0.00111	1	05/01/2018 13:59	WG1105867
Trichlorofluoromethane	U		0.000557	0.00279	1	05/01/2018 13:59	WG1105867
1,2,3-Trichloropropane	U		0.00569	0.0139	1	05/01/2018 13:59	WG1105867
1,2,4-Trimethylbenzene	U		0.00129	0.00557	1	05/01/2018 13:59	WG1105867
1,2,3-Trimethylbenzene	U		0.00128	0.00557	1	05/01/2018 13:59	WG1105867
1,3,5-Trimethylbenzene	U		0.00120	0.00557	1	05/01/2018 13:59	WG1105867
Vinyl acetate	U		0.00392	0.0139	1	05/01/2018 13:59	WG1105867
Vinyl chloride	0.00574		0.000762	0.00279	1	05/01/2018 13:59	WG1105867
Xylenes, Total	U		0.00533	0.00725	1	05/01/2018 13:59	WG1105867
(S) Toluene-d8	*96.9*			*80.0-120*		*05/01/2018 13:59*	WG1105867
(S) Toluene-d8	*114*			*80.0-120*		*05/02/2018 15:14*	WG1105867
(S) Dibromofluoromethane	*83.7*			*74.0-131*		*05/01/2018 13:59*	WG1105867
(S) Dibromofluoromethane	*86.1*			*74.0-131*		*05/02/2018 15:14*	WG1105867
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/01/2018 13:59*	WG1105867
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*05/02/2018 15:14*	WG1105867

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0156	0.0286	1	05/02/2018 15:34	WG1105867	
Acrylonitrile	U		0.00217	0.0143	1	05/01/2018 14:18	WG1105867	
Benzene	0.000865 J	J	0.000457	0.00114	1	05/01/2018 14:18	WG1105867	
Bromobenzene	U		0.00120	0.0143	1	05/01/2018 14:18	WG1105867	
Bromodichloromethane	U		0.000900	0.00286	1	05/01/2018 14:18	WG1105867	
Bromochloromethane	U		0.00129	0.00571	1	05/01/2018 14:18	WG1105867	
Bromoform	U		0.00683	0.0286	1	05/01/2018 14:18	WG1105867	
Bromomethane	U		0.00423	0.0143	1	05/01/2018 14:18	WG1105867	
n-Butylbenzene	U		0.00439	0.0143	1	05/01/2018 14:18	WG1105867	
sec-Butylbenzene	U		0.00289	0.0143	1	05/01/2018 14:18	WG1105867	
tert-Butylbenzene	U		0.00177	0.00571	1	05/01/2018 14:18	WG1105867	
Carbon disulfide	U		0.00464	0.0143	1	05/01/2018 14:18	WG1105867	
Carbon tetrachloride	U		0.00123	0.00571	1	05/01/2018 14:18	WG1105867	
Chlorobenzene	U		0.000654	0.00286	1	05/01/2018 14:18	WG1105867	
Chlorodibromomethane	U		0.000514	0.00286	1	05/01/2018 14:18	WG1105867	
Chloroethane	U		0.00123	0.00571	1	05/01/2018 14:18	WG1105867	
Chloroform	U		0.000474	0.00286	1	05/01/2018 14:18	WG1105867	
Chloromethane	U		0.00159	0.0143	1	05/01/2018 14:18	WG1105867	
2-Chlorotoluene	U		0.00105	0.00286	1	05/01/2018 14:18	WG1105867	
4-Chlorotoluene	U		0.00129	0.00571	1	05/01/2018 14:18	WG1105867	
1,2-Dibromo-3-Chloropropane	U		0.00582	0.0286	1	05/01/2018 14:18	WG1105867	
1,2-Dibromoethane	U		0.000600	0.00286	1	05/01/2018 14:18	WG1105867	
Dibromomethane	U		0.00114	0.00571	1	05/01/2018 14:18	WG1105867	
1,2-Dichlorobenzene	U		0.00166	0.00571	1	05/01/2018 14:18	WG1105867	
1,3-Dichlorobenzene	U		0.00194	0.00571	1	05/01/2018 14:18	WG1105867	
1,4-Dichlorobenzene	U		0.00225	0.00571	1	05/01/2018 14:18	WG1105867	
Dichlorodifluoromethane	U		0.000934	0.00286	1	05/01/2018 14:18	WG1105867	
1,1-Dichloroethane	U		0.000657	0.00286	1	05/01/2018 14:18	WG1105867	
1,2-Dichloroethane	U		0.000542	0.00286	1	05/01/2018 14:18	WG1105867	
1,1-Dichloroethene	U		0.000571	0.00286	1	05/01/2018 14:18	WG1105867	
cis-1,2-Dichloroethene	0.00492 J+		0.000788	0.00286	1	05/01/2018 14:18	WG1105867	
trans-1,2-Dichloroethene	U		0.00163	0.00571	1	05/01/2018 14:18	WG1105867	
1,2-Dichloropropane	U		0.00145	0.00571	1	05/01/2018 14:18	WG1105867	
1,1-Dichloropropene	U		0.000799	0.00286	1	05/01/2018 14:18	WG1105867	
1,3-Dichloropropane	U		0.00200	0.00571	1	05/01/2018 14:18	WG1105867	
cis-1,3-Dichloropropene	U		0.000774	0.00286	1	05/01/2018 14:18	WG1105867	
trans-1,3-Dichloropropene	U		0.00175	0.00571	1	05/01/2018 14:18	WG1105867	
trans-1,4-Dichloro-2-butene	U		0.00160	0.00571	1	05/01/2018 14:18	WG1105867	
2,2-Dichloropropane	U		0.000906	0.00286	1	05/01/2018 14:18	WG1105867	
Di-isopropyl ether	U		0.000400	0.00114	1	05/01/2018 14:18	WG1105867	
Ethylbenzene	U		0.000605	0.00286	1	05/01/2018 14:18	WG1105867	
Hexachloro-1,3-butadiene	U		0.0145	0.0286	1	05/01/2018 14:18	WG1105867	
2-Hexanone	U		0.0114	0.0286	1	05/01/2018 14:18	WG1105867	
n-Hexane	U		0.00121	0.00571	1	05/01/2018 14:18	WG1105867	
Iodomethane	U	J4	0.00691	0.0143	1	05/01/2018 14:18	WG1105867	
Isopropylbenzene	U		0.000986	0.00286	1	05/01/2018 14:18	WG1105867	
p-Isopropyltoluene	U		0.00266	0.00571	1	05/01/2018 14:18	WG1105867	JC 5/15/18
2-Butanone (MEK)	0.0279 J	J	0.0143	0.0286	1	05/01/2018 14:18	WG1105867	
Methylene Chloride	U		0.00758	0.0286	1	05/01/2018 14:18	WG1105867	
4-Methyl-2-pentanone (MIBK)	U		0.0114	0.0286	1	05/01/2018 14:18	WG1105867	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000337	0.00114	1	05/01/2018 14:18	WG1105867
Naphthalene	U		0.00356	0.0143	1	05/01/2018 14:18	WG1105867
n-Propylbenzene	U		0.00135	0.00571	1	05/01/2018 14:18	WG1105867
Styrene	U		0.00312	0.0143	1	05/01/2018 14:18	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000571	0.00286	1	05/01/2018 14:18	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000445	0.00286	1	05/01/2018 14:18	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000771	0.00286	1	05/01/2018 14:18	WG1105867
Tetrachloroethene	0.0248		0.000799	0.00286	1	05/01/2018 14:18	WG1105867
Toluene	0.00143 J	J	0.00143	0.00571	1	05/01/2018 14:18	WG1105867
1,2,3-Trichlorobenzene	U		0.000714	0.00286	1	05/01/2018 14:18	WG1105867
1,2,4-Trichlorobenzene	U		0.00550	0.0143	1	05/01/2018 14:18	WG1105867
1,1,1-Trichloroethane	U		0.000314	0.00286	1	05/01/2018 14:18	WG1105867
1,1,2-Trichloroethane	U		0.00101	0.00286	1	05/01/2018 14:18	WG1105867
Trichloroethene	0.00566		0.000457	0.00114	1	05/01/2018 14:18	WG1105867
Trichlorofluoromethane	U		0.000571	0.00286	1	05/01/2018 14:18	WG1105867
1,2,3-Trichloropropane	U		0.00582	0.0143	1	05/01/2018 14:18	WG1105867
1,2,4-Trimethylbenzene	U		0.00132	0.00571	1	05/01/2018 14:18	WG1105867
1,2,3-Trimethylbenzene	U		0.00131	0.00571	1	05/01/2018 14:18	WG1105867
1,3,5-Trimethylbenzene	U		0.00123	0.00571	1	05/01/2018 14:18	WG1105867
Vinyl acetate	U		0.00402	0.0143	1	05/01/2018 14:18	WG1105867
Vinyl chloride	U		0.000780	0.00286	1	05/01/2018 14:18	WG1105867
Xylenes, Total	U		0.00546	0.00742	1	05/01/2018 14:18	WG1105867
(S) Toluene-d8	*81.1*			*80.0-120*		*05/01/2018 14:18*	WG1105867
(S) Toluene-d8	*113*			*80.0-120*		*05/02/2018 15:34*	WG1105867
(S) Dibromofluoromethane	*91.7*			*74.0-131*		*05/02/2018 15:34*	WG1105867
(S) Dibromofluoromethane	*85.4*			*74.0-131*		*05/01/2018 14:18*	WG1105867
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*05/02/2018 15:34*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 14:18*	WG1105867

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	11.3 J	E	0.0150	0.0273	1	05/02/2018 16:58	WG1105867	
Acrylonitrile	U UJ		0.00208	0.0137	1	05/01/2018 14:37	WG1105867	
Benzene	0.000945 J-	J	0.000437	0.00109	1	05/01/2018 14:37	WG1105867	
Bromobenzene	U UJ		0.00115	0.0137	1	05/01/2018 14:37	WG1105867	
Bromodichloromethane	U		0.000862	0.00273	1	05/01/2018 14:37	WG1105867	
Bromochloromethane	U		0.00124	0.00547	1	05/01/2018 14:37	WG1105867	
Bromoform	U		0.00654	0.0273	1	05/01/2018 14:37	WG1105867	
Bromomethane	U		0.00405	0.0137	1	05/01/2018 14:37	WG1105867	
n-Butylbenzene	U		0.00420	0.0137	1	05/01/2018 14:37	WG1105867	
sec-Butylbenzene	U		0.00277	0.0137	1	05/01/2018 14:37	WG1105867	
tert-Butylbenzene	U		0.00169	0.00547	1	05/01/2018 14:37	WG1105867	
Carbon disulfide	U		0.00444	0.0137	1	05/01/2018 14:37	WG1105867	
Carbon tetrachloride	U		0.00118	0.00547	1	05/01/2018 14:37	WG1105867	
Chlorobenzene	U		0.000626	0.00273	1	05/01/2018 14:37	WG1105867	
Chlorodibromomethane	U		0.000492	0.00273	1	05/01/2018 14:37	WG1105867	
Chloroethane	U		0.00118	0.00547	1	05/01/2018 14:37	WG1105867	
Chloroform	U		0.000454	0.00273	1	05/01/2018 14:37	WG1105867	
Chloromethane	U		0.00152	0.0137	1	05/01/2018 14:37	WG1105867	
2-Chlorotoluene	U		0.00101	0.00273	1	05/01/2018 14:37	WG1105867	
4-Chlorotoluene	U		0.00124	0.00547	1	05/01/2018 14:37	WG1105867	
1,2-Dibromo-3-Chloropropane	U		0.00558	0.0273	1	05/01/2018 14:37	WG1105867	
1,2-Dibromoethane	U		0.000574	0.00273	1	05/01/2018 14:37	WG1105867	
Dibromomethane	U		0.00109	0.00547	1	05/01/2018 14:37	WG1105867	
1,2-Dichlorobenzene	U		0.00159	0.00547	1	05/01/2018 14:37	WG1105867	
1,3-Dichlorobenzene	U		0.00186	0.00547	1	05/01/2018 14:37	WG1105867	
1,4-Dichlorobenzene	U		0.00215	0.00547	1	05/01/2018 14:37	WG1105867	
Dichlorodifluoromethane	U		0.000894	0.00273	1	05/01/2018 14:37	WG1105867	
1,1-Dichloroethane	U		0.000629	0.00273	1	05/01/2018 14:37	WG1105867	
1,2-Dichloroethane	U		0.000519	0.00273	1	05/01/2018 14:37	WG1105867	
1,1-Dichloroethene	U		0.000547	0.00273	1	05/01/2018 14:37	WG1105867	
cis-1,2-Dichloroethene	0.00350 J+		0.000754	0.00273	1	05/01/2018 14:37	WG1105867	
trans-1,2-Dichloroethene	U UJ		0.00156	0.00547	1	05/01/2018 14:37	WG1105867	
1,2-Dichloropropane	U		0.00139	0.00547	1	05/01/2018 14:37	WG1105867	
1,1-Dichloropropene	U		0.000765	0.00273	1	05/01/2018 14:37	WG1105867	
1,3-Dichloropropane	U		0.00191	0.00547	1	05/01/2018 14:37	WG1105867	
cis-1,3-Dichloropropene	U		0.000741	0.00273	1	05/01/2018 14:37	WG1105867	
trans-1,3-Dichloropropene	U		0.00167	0.00547	1	05/01/2018 14:37	WG1105867	
trans-1,4-Dichloro-2-butene	U		0.00153	0.00547	1	05/01/2018 14:37	WG1105867	
2,2-Dichloropropane	U		0.000867	0.00273	1	05/01/2018 14:37	WG1105867	
Di-isopropyl ether	U		0.000383	0.00109	1	05/01/2018 14:37	WG1105867	
Ethylbenzene	U		0.000579	0.00273	1	05/01/2018 14:37	WG1105867	
Hexachloro-1,3-butadiene	U		0.0139	0.0273	1	05/01/2018 14:37	WG1105867	
2-Hexanone	0.0928 J-		0.0109	0.0273	1	05/01/2018 14:37	WG1105867	
n-Hexane	0.00407 J-	J	0.00116	0.00547	1	05/01/2018 14:37	WG1105867	
Iodomethane	U UJ	J4	0.00661	0.0137	1	05/01/2018 14:37	WG1105867	
Isopropylbenzene	U UJ		0.000944	0.00273	1	05/01/2018 14:37	WG1105867	
p-Isopropyltoluene	U		0.00255	0.00547	1	05/01/2018 14:37	WG1105867	
2-Butanone (MEK)	U		0.0137	0.0273	1	05/01/2018 14:37	WG1105867	
Methylene Chloride	U		0.00726	0.0273	1	05/01/2018 14:37	WG1105867	JC 5/15/18
4-Methyl-2-pentanone (MIBK)	U		0.0109	0.0273	1	05/01/2018 14:37	WG1105867	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000323	0.00109	1	05/01/2018 14:37	WG1105867
Naphthalene	U		0.00341	0.0137	1	05/01/2018 14:37	WG1105867
n-Propylbenzene	U		0.00129	0.00547	1	05/01/2018 14:37	WG1105867
Styrene	U		0.00298	0.0137	1	05/01/2018 14:37	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000547	0.00273	1	05/01/2018 14:37	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000426	0.00273	1	05/01/2018 14:37	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000738	0.00273	1	05/01/2018 14:37	WG1105867
Tetrachloroethene	0.0109	J-	0.000765	0.00273	1	05/01/2018 14:37	WG1105867
Toluene	0.00163	J- J	0.00137	0.00547	1	05/01/2018 14:37	WG1105867
1,2,3-Trichlorobenzene	U	UJ	0.000683	0.00273	1	05/01/2018 14:37	WG1105867
1,2,4-Trichlorobenzene	U		0.00527	0.0137	1	05/01/2018 14:37	WG1105867
1,1,1-Trichloroethane	U		0.000301	0.00273	1	05/01/2018 14:37	WG1105867
1,1,2-Trichloroethane	U		0.000965	0.00273	1	05/01/2018 14:37	WG1105867
Trichloroethene	0.00177	J-	0.000437	0.00109	1	05/01/2018 14:37	WG1105867
Trichlorofluoromethane	U	UJ	0.000547	0.00273	1	05/01/2018 14:37	WG1105867
1,2,3-Trichloropropane	U		0.00558	0.0137	1	05/01/2018 14:37	WG1105867
1,2,4-Trimethylbenzene	U		0.00127	0.00547	1	05/01/2018 14:37	WG1105867
1,2,3-Trimethylbenzene	U		0.00126	0.00547	1	05/01/2018 14:37	WG1105867
1,3,5-Trimethylbenzene	U		0.00118	0.00547	1	05/01/2018 14:37	WG1105867
Vinyl acetate	U		0.00385	0.0137	1	05/01/2018 14:37	WG1105867
Vinyl chloride	0.00167	U J	0.000747	0.00273	1	05/01/2018 14:37	WG1105867
Xylenes, Total	U	UJ	0.00523	0.00711	1	05/01/2018 14:37	WG1105867
(S) Toluene-d8	*113*			*80.0-120*		*05/02/2018 16:58*	WG1105867
(S) Toluene-d8	*109*			*80.0-120*		*05/01/2018 14:37*	WG1105867
(S) Dibromofluoromethane	*76.4*			*74.0-131*		*05/02/2018 16:58*	WG1105867
(S) Dibromofluoromethane	*62.8*	J2		*74.0-131*		*05/01/2018 14:37*	WG1105867
(S) 4-Bromofluorobenzene	*96.0*			*64.0-132*		*05/01/2018 14:37*	WG1105867
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*05/02/2018 16:58*	WG1105867

Sample Narrative:

L988727-09 WG1105867: Insufficient methanol volume to run at a higher dilution.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.3		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.147	0.268	10	05/02/2018 15:55	WG1105867
Acrylonitrile	U		0.00204	0.0134	1	05/01/2018 14:56	WG1105867
Benzene	0.000549	J J	0.000429	0.00107	1	05/01/2018 14:56	WG1105867
Bromobenzene	U		0.00113	0.0134	1	05/01/2018 14:56	WG1105867
Bromodichloromethane	U		0.000845	0.00268	1	05/01/2018 14:56	WG1105867
Bromochloromethane	U		0.00121	0.00536	1	05/01/2018 14:56	WG1105867
Bromoform	U		0.00641	0.0268	1	05/01/2018 14:56	WG1105867
Bromomethane	U		0.00397	0.0134	1	05/01/2018 14:56	WG1105867
n-Butylbenzene	U		0.00412	0.0134	1	05/01/2018 14:56	WG1105867
sec-Butylbenzene	U		0.00271	0.0134	1	05/01/2018 14:56	WG1105867
tert-Butylbenzene	U		0.00166	0.00536	1	05/01/2018 14:56	WG1105867
Carbon disulfide	U		0.00435	0.0134	1	05/01/2018 14:56	WG1105867
Carbon tetrachloride	U		0.00116	0.00536	1	05/01/2018 14:56	WG1105867
Chlorobenzene	U		0.000614	0.00268	1	05/01/2018 14:56	WG1105867
Chlorodibromomethane	U		0.000482	0.00268	1	05/01/2018 14:56	WG1105867
Chloroethane	U		0.00116	0.00536	1	05/01/2018 14:56	WG1105867
Chloroform	U		0.000445	0.00268	1	05/01/2018 14:56	WG1105867
Chloromethane	U		0.00149	0.0134	1	05/01/2018 14:56	WG1105867
2-Chlorotoluene	U		0.000986	0.00268	1	05/01/2018 14:56	WG1105867
4-Chlorotoluene	U		0.00121	0.00536	1	05/01/2018 14:56	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00547	0.0268	1	05/01/2018 14:56	WG1105867
1,2-Dibromoethane	U		0.000563	0.00268	1	05/01/2018 14:56	WG1105867
Dibromomethane	U		0.00107	0.00536	1	05/01/2018 14:56	WG1105867
1,2-Dichlorobenzene	U		0.00155	0.00536	1	05/01/2018 14:56	WG1105867
1,3-Dichlorobenzene	U		0.00182	0.00536	1	05/01/2018 14:56	WG1105867
1,4-Dichlorobenzene	U		0.00211	0.00536	1	05/01/2018 14:56	WG1105867
Dichlorodifluoromethane	U		0.000877	0.00268	1	05/01/2018 14:56	WG1105867
1,1-Dichloroethane	U		0.000616	0.00268	1	05/01/2018 14:56	WG1105867
1,2-Dichloroethane	U		0.000509	0.00268	1	05/01/2018 14:56	WG1105867
1,1-Dichloroethene	0.0149		0.000536	0.00268	1	05/01/2018 14:56	WG1105867
cis-1,2-Dichloroethene	0.553	J+	0.00739	0.0268	10	05/02/2018 15:55	WG1105867
trans-1,2-Dichloroethene	0.0144		0.00153	0.00536	1	05/01/2018 14:56	WG1105867
1,2-Dichloropropane	U		0.00136	0.00536	1	05/01/2018 14:56	WG1105867
1,1-Dichloropropene	U		0.000750	0.00268	1	05/01/2018 14:56	WG1105867
1,3-Dichloropropane	U		0.00188	0.00536	1	05/01/2018 14:56	WG1105867
cis-1,3-Dichloropropene	U		0.000727	0.00268	1	05/01/2018 14:56	WG1105867
trans-1,3-Dichloropropene	U		0.00164	0.00536	1	05/01/2018 14:56	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00150	0.00536	1	05/01/2018 14:56	WG1105867
2,2-Dichloropropane	U		0.000850	0.00268	1	05/01/2018 14:56	WG1105867
Di-isopropyl ether	U		0.000375	0.00107	1	05/01/2018 14:56	WG1105867
Ethylbenzene	U		0.000568	0.00268	1	05/01/2018 14:56	WG1105867
Hexachloro-1,3-butadiene	U		0.0136	0.0268	1	05/01/2018 14:56	WG1105867
2-Hexanone	U		0.0107	0.0268	1	05/01/2018 14:56	WG1105867
n-Hexane	U		0.00114	0.00536	1	05/01/2018 14:56	WG1105867
Iodomethane	U	J4	0.00648	0.0134	1	05/01/2018 14:56	WG1105867
Isopropylbenzene	U		0.000925	0.00268	1	05/01/2018 14:56	WG1105867
p-Isopropyltoluene	U		0.00250	0.00536	1	05/01/2018 14:56	WG1105867
2-Butanone (MEK)	U		0.0134	0.0268	1	05/01/2018 14:56	WG1105867
Methylene Chloride	U		0.00712	0.0268	1	05/01/2018 14:56	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0107	0.0268	1	05/01/2018 14:56	WG1105867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.000403 J	J	0.000316	0.00107	1	05/01/2018 14:56	WG1105867
Naphthalene	U		0.00334	0.0134	1	05/01/2018 14:56	WG1105867
n-Propylbenzene	U		0.00126	0.00536	1	05/01/2018 14:56	WG1105867
Styrene	U		0.00293	0.0134	1	05/01/2018 14:56	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000536	0.00268	1	05/01/2018 14:56	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000418	0.00268	1	05/01/2018 14:56	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000723	0.00268	1	05/01/2018 14:56	WG1105867
Tetrachloroethene	0.167		0.000750	0.00268	1	05/01/2018 14:56	WG1105867
Toluene	U		0.00134	0.00536	1	05/01/2018 14:56	WG1105867
1,2,3-Trichlorobenzene	U		0.000670	0.00268	1	05/01/2018 14:56	WG1105867
1,2,4-Trichlorobenzene	U		0.00517	0.0134	1	05/01/2018 14:56	WG1105867
1,1,1-Trichloroethane	U		0.000295	0.00268	1	05/01/2018 14:56	WG1105867
1,1,2-Trichloroethane	U		0.000946	0.00268	1	05/01/2018 14:56	WG1105867
Trichloroethene	0.0244		0.000429	0.00107	1	05/01/2018 14:56	WG1105867
Trichlorofluoromethane	U		0.000536	0.00268	1	05/01/2018 14:56	WG1105867
1,2,3-Trichloropropane	U		0.00547	0.0134	1	05/01/2018 14:56	WG1105867
1,2,4-Trimethylbenzene	U		0.00124	0.00536	1	05/01/2018 14:56	WG1105867
1,2,3-Trimethylbenzene	U		0.00123	0.00536	1	05/01/2018 14:56	WG1105867
1,3,5-Trimethylbenzene	U		0.00116	0.00536	1	05/01/2018 14:56	WG1105867
Vinyl acetate	U		0.00377	0.0134	1	05/01/2018 14:56	WG1105867
Vinyl chloride	0.0121		0.000732	0.00268	1	05/01/2018 14:56	WG1105867
Xylenes, Total	U		0.00512	0.00697	1	05/01/2018 14:56	WG1105867
(S) Toluene-d8	*93.7*			*80.0-120*		*05/01/2018 14:56*	WG1105867
(S) Toluene-d8	*108*			*80.0-120*		*05/02/2018 15:55*	WG1105867
(S) Dibromofluoromethane	*89.3*			*74.0-131*		*05/02/2018 15:55*	WG1105867
(S) Dibromofluoromethane	*76.4*			*74.0-131*		*05/01/2018 14:56*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 14:56*	WG1105867
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*05/02/2018 15:55*	WG1105867

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.3		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0169	0.0308	1	05/02/2018 15:25	WG1105867
Acrylonitrile	U		0.00234	0.0154	1	05/01/2018 15:15	WG1105867
Benzene	U		0.000492	0.00123	1	05/01/2018 15:15	WG1105867
Bromobenzene	U		0.00129	0.0154	1	05/01/2018 15:15	WG1105867
Bromodichloromethane	U		0.000969	0.00308	1	05/01/2018 15:15	WG1105867
Bromochloromethane	U		0.00139	0.00615	1	05/01/2018 15:15	WG1105867
Bromoform	U		0.00736	0.0308	1	05/01/2018 15:15	WG1105867
Bromomethane	U		0.00455	0.0154	1	05/01/2018 15:15	WG1105867
n-Butylbenzene	U		0.00472	0.0154	1	05/01/2018 15:15	WG1105867
sec-Butylbenzene	U		0.00311	0.0154	1	05/01/2018 15:15	WG1105867
tert-Butylbenzene	U		0.00191	0.00615	1	05/01/2018 15:15	WG1105867
Carbon disulfide	U		0.00499	0.0154	1	05/01/2018 15:15	WG1105867
Carbon tetrachloride	U		0.00133	0.00615	1	05/01/2018 15:15	WG1105867
Chlorobenzene	U		0.000705	0.00308	1	05/01/2018 15:15	WG1105867
Chlorodibromomethane	U		0.000554	0.00308	1	05/01/2018 15:15	WG1105867
Chloroethane	U		0.00133	0.00615	1	05/01/2018 15:15	WG1105867
Chloroform	U		0.000510	0.00308	1	05/01/2018 15:15	WG1105867
Chloromethane	U		0.00171	0.0154	1	05/01/2018 15:15	WG1105867
2-Chlorotoluene	U		0.00113	0.00308	1	05/01/2018 15:15	WG1105867
4-Chlorotoluene	U		0.00139	0.00615	1	05/01/2018 15:15	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00627	0.0308	1	05/01/2018 15:15	WG1105867
1,2-Dibromoethane	U		0.000646	0.00308	1	05/01/2018 15:15	WG1105867
Dibromomethane	U		0.00123	0.00615	1	05/01/2018 15:15	WG1105867
1,2-Dichlorobenzene	U		0.00178	0.00615	1	05/01/2018 15:15	WG1105867
1,3-Dichlorobenzene	U		0.00209	0.00615	1	05/01/2018 15:15	WG1105867
1,4-Dichlorobenzene	U		0.00242	0.00615	1	05/01/2018 15:15	WG1105867
Dichlorodifluoromethane	U		0.00101	0.00308	1	05/01/2018 15:15	WG1105867
1,1-Dichloroethane	U		0.000707	0.00308	1	05/01/2018 15:15	WG1105867
1,2-Dichloroethane	U		0.000584	0.00308	1	05/01/2018 15:15	WG1105867
1,1-Dichloroethene	U		0.000615	0.00308	1	05/01/2018 15:15	WG1105867
cis-1,2-Dichloroethene	0.0215	J+	0.000849	0.00308	1	05/02/2018 15:25	WG1105867
trans-1,2-Dichloroethene	U		0.00176	0.00615	1	05/01/2018 15:15	WG1105867
1,2-Dichloropropane	U		0.00156	0.00615	1	05/01/2018 15:15	WG1105867
1,1-Dichloropropene	U		0.000861	0.00308	1	05/01/2018 15:15	WG1105867
1,3-Dichloropropane	U		0.00215	0.00615	1	05/01/2018 15:15	WG1105867
cis-1,3-Dichloropropene	U		0.000834	0.00308	1	05/01/2018 15:15	WG1105867
trans-1,3-Dichloropropene	U		0.00188	0.00615	1	05/01/2018 15:15	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00172	0.00615	1	05/01/2018 15:15	WG1105867
2,2-Dichloropropane	U		0.000975	0.00308	1	05/01/2018 15:15	WG1105867
Di-isopropyl ether	U		0.000431	0.00123	1	05/01/2018 15:15	WG1105867
Ethylbenzene	U		0.000652	0.00308	1	05/01/2018 15:15	WG1105867
Hexachloro-1,3-butadiene	U		0.0156	0.0308	1	05/01/2018 15:15	WG1105867
2-Hexanone	U		0.0123	0.0308	1	05/01/2018 15:15	WG1105867
n-Hexane	U		0.00130	0.00615	1	05/01/2018 15:15	WG1105867
Iodomethane	U	J4	0.00744	0.0154	1	05/01/2018 15:15	WG1105867
Isopropylbenzene	U		0.00106	0.00308	1	05/01/2018 15:15	WG1105867
p-Isopropyltoluene	U		0.00287	0.00615	1	05/01/2018 15:15	WG1105867
2-Butanone (MEK)	U		0.0154	0.0308	1	05/01/2018 15:15	WG1105867
Methylene Chloride	U		0.00817	0.0308	1	05/01/2018 15:15	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0123	0.0308	1	05/01/2018 15:15	WG1105867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000363	0.00123	1	05/01/2018 15:15	WG1105867
Naphthalene	U		0.00384	0.0154	1	05/01/2018 15:15	WG1105867
n-Propylbenzene	U		0.00145	0.00615	1	05/01/2018 15:15	WG1105867
Styrene	U		0.00336	0.0154	1	05/01/2018 15:15	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000615	0.00308	1	05/01/2018 15:15	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000480	0.00308	1	05/01/2018 15:15	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000830	0.00308	1	05/01/2018 15:15	WG1105867
Tetrachloroethene	U		0.000861	0.00308	1	05/01/2018 15:15	WG1105867
Toluene	U		0.00154	0.00615	1	05/01/2018 15:15	WG1105867
1,2,3-Trichlorobenzene	U		0.000769	0.00308	1	05/01/2018 15:15	WG1105867
1,2,4-Trichlorobenzene	U		0.00593	0.0154	1	05/01/2018 15:15	WG1105867
1,1,1-Trichloroethane	U		0.000338	0.00308	1	05/01/2018 15:15	WG1105867
1,1,2-Trichloroethane	U		0.00109	0.00308	1	05/01/2018 15:15	WG1105867
Trichloroethene	U		0.000492	0.00123	1	05/01/2018 15:15	WG1105867
Trichlorofluoromethane	U		0.000615	0.00308	1	05/01/2018 15:15	WG1105867
1,2,3-Trichloropropane	U		0.00627	0.0154	1	05/01/2018 15:15	WG1105867
1,2,4-Trimethylbenzene	U		0.00143	0.00615	1	05/01/2018 15:15	WG1105867
1,2,3-Trimethylbenzene	U		0.00141	0.00615	1	05/01/2018 15:15	WG1105867
1,3,5-Trimethylbenzene	U		0.00133	0.00615	1	05/01/2018 15:15	WG1105867
Vinyl acetate	U		0.00433	0.0154	1	05/01/2018 15:15	WG1105867
Vinyl chloride	0.00629		0.000840	0.00308	1	05/01/2018 15:15	WG1105867
Xylenes, Total	U		0.00588	0.00800	1	05/01/2018 15:15	WG1105867
(S) Toluene-d8	*80.2*			*80.0-120*		*05/01/2018 15:15*	WG1105867
(S) Toluene-d8	*109*			*80.0-120*		*05/02/2018 15:25*	WG1105867
(S) Dibromofluoromethane	*113*			*74.0-131*		*05/02/2018 15:25*	WG1105867
(S) Dibromofluoromethane	*89.3*			*74.0-131*		*05/01/2018 15:15*	WG1105867
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/02/2018 15:25*	WG1105867
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*05/01/2018 15:15*	WG1105867

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0157	0.0287	1	05/02/2018 15:50	WG1105867
Acrylonitrile	U		0.00218	0.0144	1	05/01/2018 15:34	WG1105867
Benzene	U		0.000460	0.00115	1	05/01/2018 15:34	WG1105867
Bromobenzene	U		0.00121	0.0144	1	05/01/2018 15:34	WG1105867
Bromodichloromethane	U		0.000906	0.00287	1	05/01/2018 15:34	WG1105867
Bromochloromethane	U		0.00130	0.00575	1	05/01/2018 15:34	WG1105867
Bromoform	U		0.00687	0.0287	1	05/01/2018 15:34	WG1105867
Bromomethane	U		0.00425	0.0144	1	05/01/2018 15:34	WG1105867
n-Butylbenzene	U		0.00441	0.0144	1	05/01/2018 15:34	WG1105867
sec-Butylbenzene	U		0.00291	0.0144	1	05/01/2018 15:34	WG1105867
tert-Butylbenzene	U		0.00178	0.00575	1	05/01/2018 15:34	WG1105867
Carbon disulfide	U		0.00467	0.0144	1	05/01/2018 15:34	WG1105867
Carbon tetrachloride	U		0.00124	0.00575	1	05/01/2018 15:34	WG1105867
Chlorobenzene	U		0.000658	0.00287	1	05/01/2018 15:34	WG1105867
Chlorodibromomethane	U		0.000517	0.00287	1	05/01/2018 15:34	WG1105867
Chloroethane	U		0.00124	0.00575	1	05/01/2018 15:34	WG1105867
Chloroform	U		0.000477	0.00287	1	05/01/2018 15:34	WG1105867
Chloromethane	U		0.00160	0.0144	1	05/01/2018 15:34	WG1105867
2-Chlorotoluene	U		0.00106	0.00287	1	05/01/2018 15:34	WG1105867
4-Chlorotoluene	U		0.00130	0.00575	1	05/01/2018 15:34	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00586	0.0287	1	05/01/2018 15:34	WG1105867
1,2-Dibromoethane	U		0.000603	0.00287	1	05/01/2018 15:34	WG1105867
Dibromomethane	U		0.00115	0.00575	1	05/01/2018 15:34	WG1105867
1,2-Dichlorobenzene	U		0.00167	0.00575	1	05/01/2018 15:34	WG1105867
1,3-Dichlorobenzene	U		0.00195	0.00575	1	05/01/2018 15:34	WG1105867
1,4-Dichlorobenzene	U		0.00226	0.00575	1	05/01/2018 15:34	WG1105867
Dichlorodifluoromethane	U		0.000940	0.00287	1	05/01/2018 15:34	WG1105867
1,1-Dichloroethane	U		0.000661	0.00287	1	05/01/2018 15:34	WG1105867
1,2-Dichloroethane	U		0.000546	0.00287	1	05/01/2018 15:34	WG1105867
1,1-Dichloroethene	U		0.000575	0.00287	1	05/01/2018 15:34	WG1105867
cis-1,2-Dichloroethene	0.00436	J+	0.000793	0.00287	1	05/02/2018 15:50	WG1105867
trans-1,2-Dichloroethene	U		0.00164	0.00575	1	05/01/2018 15:34	WG1105867
1,2-Dichloropropane	U		0.00146	0.00575	1	05/01/2018 15:34	WG1105867
1,1-Dichloropropene	U		0.000804	0.00287	1	05/01/2018 15:34	WG1105867
1,3-Dichloropropane	U		0.00201	0.00575	1	05/01/2018 15:34	WG1105867
cis-1,3-Dichloropropene	U		0.000779	0.00287	1	05/01/2018 15:34	WG1105867
trans-1,3-Dichloropropene	U		0.00176	0.00575	1	05/01/2018 15:34	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00161	0.00575	1	05/01/2018 15:34	WG1105867
2,2-Dichloropropane	U		0.000911	0.00287	1	05/01/2018 15:34	WG1105867
Di-isopropyl ether	U		0.000402	0.00115	1	05/01/2018 15:34	WG1105867
Ethylbenzene	U		0.000609	0.00287	1	05/01/2018 15:34	WG1105867
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1	05/01/2018 15:34	WG1105867
2-Hexanone	U		0.0115	0.0287	1	05/01/2018 15:34	WG1105867
n-Hexane	U		0.00122	0.00575	1	05/01/2018 15:34	WG1105867
Iodomethane	U	J4	0.00695	0.0144	1	05/01/2018 15:34	WG1105867
Isopropylbenzene	U		0.000992	0.00287	1	05/01/2018 15:34	WG1105867
p-Isopropyltoluene	U		0.00268	0.00575	1	05/01/2018 15:34	WG1105867
2-Butanone (MEK)	U		0.0144	0.0287	1	05/01/2018 15:34	WG1105867
Methylene Chloride	U		0.00763	0.0287	1	05/01/2018 15:34	WG1105867
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1	05/01/2018 15:34	WG1105867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000339	0.00115	1	05/01/2018 15:34	WG1105867
Naphthalene	U		0.00359	0.0144	1	05/01/2018 15:34	WG1105867
n-Propylbenzene	U		0.00136	0.00575	1	05/01/2018 15:34	WG1105867
Styrene	U		0.00314	0.0144	1	05/01/2018 15:34	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000575	0.00287	1	05/01/2018 15:34	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000448	0.00287	1	05/01/2018 15:34	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000776	0.00287	1	05/01/2018 15:34	WG1105867
Tetrachloroethene	U		0.000804	0.00287	1	05/01/2018 15:34	WG1105867
Toluene	U		0.00144	0.00575	1	05/01/2018 15:34	WG1105867
1,2,3-Trichlorobenzene	U		0.000718	0.00287	1	05/01/2018 15:34	WG1105867
1,2,4-Trichlorobenzene	U		0.00554	0.0144	1	05/01/2018 15:34	WG1105867
1,1,1-Trichloroethane	U		0.000316	0.00287	1	05/01/2018 15:34	WG1105867
1,1,2-Trichloroethane	U		0.00101	0.00287	1	05/01/2018 15:34	WG1105867
Trichloroethene	U		0.000460	0.00115	1	05/01/2018 15:34	WG1105867
Trichlorofluoromethane	U		0.000575	0.00287	1	05/01/2018 15:34	WG1105867
1,2,3-Trichloropropane	U		0.00586	0.0144	1	05/01/2018 15:34	WG1105867
1,2,4-Trimethylbenzene	U		0.00133	0.00575	1	05/01/2018 15:34	WG1105867
1,2,3-Trimethylbenzene	U		0.00132	0.00575	1	05/01/2018 15:34	WG1105867
1,3,5-Trimethylbenzene	U		0.00124	0.00575	1	05/01/2018 15:34	WG1105867
Vinyl acetate	U		0.00404	0.0144	1	05/01/2018 15:34	WG1105867
Vinyl chloride	0.00315		0.000785	0.00287	1	05/01/2018 15:34	WG1105867
Xylenes, Total	U		0.00549	0.00747	1	05/01/2018 15:34	WG1105867
(S) Toluene-d8	*110*			*80.0-120*		*05/02/2018 15:50*	WG1105867
(S) Toluene-d8	*91.1*			*80.0-120*		*05/01/2018 15:34*	WG1105867
(S) Dibromofluoromethane	*113*			*74.0-131*		*05/02/2018 15:50*	WG1105867
(S) Dibromofluoromethane	*80.1*			*74.0-131*		*05/01/2018 15:34*	WG1105867
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*05/02/2018 15:50*	WG1105867
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*05/01/2018 15:34*	WG1105867

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	UJ	0.0154	0.0281	1	05/02/2018 17:18	WG1105867
Acrylonitrile	U		0.00213	0.0140	1	05/01/2018 15:53	WG1105867
Benzene	U		0.000449	0.00112	1	05/01/2018 15:53	WG1105867
Bromobenzene	U		0.00118	0.0140	1	05/01/2018 15:53	WG1105867
Bromodichloromethane	U		0.000885	0.00281	1	05/01/2018 15:53	WG1105867
Bromochloromethane	U		0.00127	0.00562	1	05/01/2018 15:53	WG1105867
Bromoform	U		0.00672	0.0281	1	05/01/2018 15:53	WG1105867
Bromomethane	U		0.00416	0.0140	1	05/01/2018 15:53	WG1105867
n-Butylbenzene	U		0.00431	0.0140	1	05/01/2018 15:53	WG1105867
sec-Butylbenzene	U		0.00284	0.0140	1	05/01/2018 15:53	WG1105867
tert-Butylbenzene	U		0.00174	0.00562	1	05/01/2018 15:53	WG1105867
Carbon disulfide	U		0.00456	0.0140	1	05/01/2018 15:53	WG1105867
Carbon tetrachloride	U		0.00121	0.00562	1	05/01/2018 15:53	WG1105867
Chlorobenzene	U		0.000644	0.00281	1	05/01/2018 15:53	WG1105867
Chlorodibromomethane	U		0.000505	0.00281	1	05/01/2018 15:53	WG1105867
Chloroethane	U		0.00121	0.00562	1	05/01/2018 15:53	WG1105867
Chloroform	U		0.000466	0.00281	1	05/01/2018 15:53	WG1105867
Chloromethane	U		0.00156	0.0140	1	05/01/2018 15:53	WG1105867
2-Chlorotoluene	U		0.00103	0.00281	1	05/01/2018 15:53	WG1105867
4-Chlorotoluene	U		0.00127	0.00562	1	05/01/2018 15:53	WG1105867
1,2-Dibromo-3-Chloropropane	U		0.00573	0.0281	1	05/01/2018 15:53	WG1105867
1,2-Dibromoethane	U		0.000590	0.00281	1	05/01/2018 15:53	WG1105867
Dibromomethane	U		0.00112	0.00562	1	05/01/2018 15:53	WG1105867
1,2-Dichlorobenzene	U		0.00163	0.00562	1	05/01/2018 15:53	WG1105867
1,3-Dichlorobenzene	U		0.00191	0.00562	1	05/01/2018 15:53	WG1105867
1,4-Dichlorobenzene	U		0.00221	0.00562	1	05/01/2018 15:53	WG1105867
Dichlorodifluoromethane	U		0.000919	0.00281	1	05/01/2018 15:53	WG1105867
1,1-Dichloroethane	U		0.000646	0.00281	1	05/01/2018 15:53	WG1105867
1,2-Dichloroethane	U	UJ	0.000534	0.00281	1	05/01/2018 15:53	WG1105867
1,1-Dichloroethene	0.00185	J- J	0.000562	0.00281	1	05/01/2018 15:53	WG1105867
cis-1,2-Dichloroethene	0.136	J+	0.000775	0.00281	1	05/01/2018 15:53	WG1105867
trans-1,2-Dichloroethene	U	UJ	0.00161	0.00562	1	05/01/2018 15:53	WG1105867
1,2-Dichloropropane	U		0.00143	0.00562	1	05/01/2018 15:53	WG1105867
1,1-Dichloropropene	U		0.000786	0.00281	1	05/01/2018 15:53	WG1105867
1,3-Dichloropropane	U		0.00197	0.00562	1	05/01/2018 15:53	WG1105867
cis-1,3-Dichloropropene	U		0.000762	0.00281	1	05/01/2018 15:53	WG1105867
trans-1,3-Dichloropropene	U		0.00172	0.00562	1	05/01/2018 15:53	WG1105867
trans-1,4-Dichloro-2-butene	U		0.00157	0.00562	1	05/01/2018 15:53	WG1105867
2,2-Dichloropropane	U		0.000891	0.00281	1	05/01/2018 15:53	WG1105867
Di-isopropyl ether	U		0.000393	0.00112	1	05/01/2018 15:53	WG1105867
Ethylbenzene	U		0.000595	0.00281	1	05/01/2018 15:53	WG1105867
Hexachloro-1,3-butadiene	U		0.0143	0.0281	1	05/01/2018 15:53	WG1105867
2-Hexanone	U		0.0112	0.0281	1	05/01/2018 15:53	WG1105867
n-Hexane	U		0.00119	0.00562	1	05/01/2018 15:53	WG1105867
Iodomethane	U	J4	0.00680	0.0140	1	05/01/2018 15:53	WG1105867
Isopropylbenzene	U		0.000969	0.00281	1	05/01/2018 15:53	WG1105867
p-Isopropyltoluene	U		0.00262	0.00562	1	05/01/2018 15:53	WG1105867
2-Butanone (MEK)	U		0.0140	0.0281	1	05/01/2018 15:53	WG1105867
Methylene Chloride	U		0.00746	0.0281	1	05/01/2018 15:53	WG1105867
4-Methyl-2-pentanone (MIBK)	U	UJ	0.0112	0.0281	1	05/01/2018 15:53	WG1105867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	UJ	0.000331	0.00112	1	05/01/2018 15:53	WG1105867
Naphthalene	U		0.00350	0.0140	1	05/01/2018 15:53	WG1105867
n-Propylbenzene	U		0.00133	0.00562	1	05/01/2018 15:53	WG1105867
Styrene	U		0.00307	0.0140	1	05/01/2018 15:53	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000562	0.00281	1	05/01/2018 15:53	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000438	0.00281	1	05/01/2018 15:53	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000758	0.00281	1	05/01/2018 15:53	WG1105867
Tetrachloroethene	U		0.000786	0.00281	1	05/01/2018 15:53	WG1105867
Toluene	U		0.00140	0.00562	1	05/01/2018 15:53	WG1105867
1,2,3-Trichlorobenzene	U		0.000702	0.00281	1	05/01/2018 15:53	WG1105867
1,2,4-Trichlorobenzene	U		0.00541	0.0140	1	05/01/2018 15:53	WG1105867
1,1,1-Trichloroethane	U		0.000309	0.00281	1	05/01/2018 15:53	WG1105867
1,1,2-Trichloroethane	U		0.000992	0.00281	1	05/01/2018 15:53	WG1105867
Trichloroethene	U		0.000449	0.00112	1	05/01/2018 15:53	WG1105867
Trichlorofluoromethane	U		0.000562	0.00281	1	05/01/2018 15:53	WG1105867
1,2,3-Trichloropropane	U		0.00573	0.0140	1	05/01/2018 15:53	WG1105867
1,2,4-Trimethylbenzene	U		0.00130	0.00562	1	05/01/2018 15:53	WG1105867
1,2,3-Trimethylbenzene	U		0.00129	0.00562	1	05/01/2018 15:53	WG1105867
1,3,5-Trimethylbenzene	U		0.00121	0.00562	1	05/01/2018 15:53	WG1105867
Vinyl acetate	U	UJ	0.00395	0.0140	1	05/01/2018 15:53	WG1105867
Vinyl chloride	0.0124	J-	0.000767	0.00281	1	05/01/2018 15:53	WG1105867
Xylenes, Total	U	UJ	0.00537	0.00730	1	05/01/2018 15:53	WG1105867
(S) Toluene-d8	*109*			*80.0-120*		*05/02/2018 17:18*	WG1105867
(S) Toluene-d8	*77.9*	J2		*80.0-120*		*05/01/2018 15:53*	WG1105867
(S) Dibromofluoromethane	*82.2*			*74.0-131*		*05/01/2018 15:53*	WG1105867
(S) Dibromofluoromethane	*80.0*			*74.0-131*		*05/02/2018 17:18*	WG1105867
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/01/2018 15:53*	WG1105867
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*05/02/2018 17:18*	WG1105867

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	04/27/2018 13:43	WG1104046

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0157	0.0287	1	05/02/2018 16:40	WG1105867	
Acrylonitrile	U		0.00218	0.0143	1	05/01/2018 16:12	WG1105867	
Benzene	U		0.000459	0.00115	1	05/01/2018 16:12	WG1105867	
Bromobenzene	U		0.00120	0.0143	1	05/01/2018 16:12	WG1105867	
Bromodichloromethane	U		0.000904	0.00287	1	05/01/2018 16:12	WG1105867	
Bromochloromethane	U		0.00130	0.00574	1	05/01/2018 16:12	WG1105867	
Bromoform	U		0.00686	0.0287	1	05/01/2018 16:12	WG1105867	
Bromomethane	U		0.00425	0.0143	1	05/01/2018 16:12	WG1105867	
n-Butylbenzene	U		0.00441	0.0143	1	05/01/2018 16:12	WG1105867	
sec-Butylbenzene	U		0.00290	0.0143	1	05/01/2018 16:12	WG1105867	
tert-Butylbenzene	U		0.00178	0.00574	1	05/01/2018 16:12	WG1105867	
Carbon disulfide	U		0.00466	0.0143	1	05/01/2018 16:12	WG1105867	
Carbon tetrachloride	U		0.00124	0.00574	1	05/01/2018 16:12	WG1105867	
Chlorobenzene	U		0.000658	0.00287	1	05/01/2018 16:12	WG1105867	
Chlorodibromomethane	U		0.000516	0.00287	1	05/01/2018 16:12	WG1105867	
Chloroethane	U		0.00124	0.00574	1	05/01/2018 16:12	WG1105867	
Chloroform	U		0.000476	0.00287	1	05/01/2018 16:12	WG1105867	
Chloromethane	U		0.00160	0.0143	1	05/01/2018 16:12	WG1105867	
2-Chlorotoluene	U		0.00106	0.00287	1	05/01/2018 16:12	WG1105867	
4-Chlorotoluene	U		0.00130	0.00574	1	05/01/2018 16:12	WG1105867	
1,2-Dibromo-3-Chloropropane	U		0.00585	0.0287	1	05/01/2018 16:12	WG1105867	
1,2-Dibromoethane	U		0.000602	0.00287	1	05/01/2018 16:12	WG1105867	
Dibromomethane	U		0.00115	0.00574	1	05/01/2018 16:12	WG1105867	
1,2-Dichlorobenzene	U		0.00166	0.00574	1	05/01/2018 16:12	WG1105867	
1,3-Dichlorobenzene	U		0.00195	0.00574	1	05/01/2018 16:12	WG1105867	
1,4-Dichlorobenzene	U		0.00226	0.00574	1	05/01/2018 16:12	WG1105867	
Dichlorodifluoromethane	U		0.000939	0.00287	1	05/01/2018 16:12	WG1105867	
1,1-Dichloroethane	U		0.000660	0.00287	1	05/01/2018 16:12	WG1105867	
1,2-Dichloroethane	U		0.000545	0.00287	1	05/01/2018 16:12	WG1105867	
1,1-Dichloroethene	0.00357		0.000574	0.00287	1	05/01/2018 16:12	WG1105867	
cis-1,2-Dichloroethene	0.00624	J+	0.000792	0.00287	1	05/01/2018 16:12	WG1105867	
trans-1,2-Dichloroethene	0.00379	J J	0.00164	0.00574	1	05/01/2018 16:12	WG1105867	
1,2-Dichloropropane	U		0.00146	0.00574	1	05/01/2018 16:12	WG1105867	
1,1-Dichloropropene	U		0.000803	0.00287	1	05/01/2018 16:12	WG1105867	
1,3-Dichloropropane	U		0.00201	0.00574	1	05/01/2018 16:12	WG1105867	
cis-1,3-Dichloropropene	U		0.000778	0.00287	1	05/01/2018 16:12	WG1105867	
trans-1,3-Dichloropropene	U		0.00176	0.00574	1	05/01/2018 16:12	WG1105867	
trans-1,4-Dichloro-2-butene	U		0.00161	0.00574	1	05/01/2018 16:12	WG1105867	
2,2-Dichloropropane	U		0.000910	0.00287	1	05/01/2018 16:12	WG1105867	
Di-isopropyl ether	U		0.000402	0.00115	1	05/01/2018 16:12	WG1105867	
Ethylbenzene	U		0.000608	0.00287	1	05/01/2018 16:12	WG1105867	
Hexachloro-1,3-butadiene	U		0.0146	0.0287	1	05/01/2018 16:12	WG1105867	
2-Hexanone	U		0.0115	0.0287	1	05/01/2018 16:12	WG1105867	
n-Hexane	U		0.00122	0.00574	1	05/01/2018 16:12	WG1105867	
Iodomethane	U	J4	0.00694	0.0143	1	05/01/2018 16:12	WG1105867	
Isopropylbenzene	U		0.000990	0.00287	1	05/01/2018 16:12	WG1105867	
p-Isopropyltoluene	U		0.00267	0.00574	1	05/01/2018 16:12	WG1105867	
2-Butanone (MEK)	U		0.0143	0.0287	1	05/01/2018 16:12	WG1105867	JC 5/15/18
Methylene Chloride	U		0.00762	0.0287	1	05/01/2018 16:12	WG1105867	
4-Methyl-2-pentanone (MIBK)	U		0.0115	0.0287	1	05/01/2018 16:12	WG1105867	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000339	0.00115	1	05/01/2018 16:12	WG1105867
Naphthalene	U		0.00358	0.0143	1	05/01/2018 16:12	WG1105867
n-Propylbenzene	U		0.00135	0.00574	1	05/01/2018 16:12	WG1105867
Styrene	U		0.00313	0.0143	1	05/01/2018 16:12	WG1105867
1,1,1,2-Tetrachloroethane	U		0.000574	0.00287	1	05/01/2018 16:12	WG1105867
1,1,2,2-Tetrachloroethane	U		0.000448	0.00287	1	05/01/2018 16:12	WG1105867
1,1,2-Trichlorotrifluoroethane	U		0.000775	0.00287	1	05/01/2018 16:12	WG1105867
Tetrachloroethene	0.00185	U J	0.000803	0.00287	1	05/01/2018 16:12	WG1105867
Toluene	U		0.00143	0.00574	1	05/01/2018 16:12	WG1105867
1,2,3-Trichlorobenzene	U		0.000717	0.00287	1	05/01/2018 16:12	WG1105867
1,2,4-Trichlorobenzene	U		0.00553	0.0143	1	05/01/2018 16:12	WG1105867
1,1,1-Trichloroethane	U		0.000316	0.00287	1	05/01/2018 16:12	WG1105867
1,1,2-Trichloroethane	U		0.00101	0.00287	1	05/01/2018 16:12	WG1105867
Trichloroethene	0.0113		0.000459	0.00115	1	05/01/2018 16:12	WG1105867
Trichlorofluoromethane	U		0.000574	0.00287	1	05/01/2018 16:12	WG1105867
1,2,3-Trichloropropane	U		0.00585	0.0143	1	05/01/2018 16:12	WG1105867
1,2,4-Trimethylbenzene	U		0.00133	0.00574	1	05/01/2018 16:12	WG1105867
1,2,3-Trimethylbenzene	U		0.00132	0.00574	1	05/01/2018 16:12	WG1105867
1,3,5-Trimethylbenzene	U		0.00124	0.00574	1	05/01/2018 16:12	WG1105867
Vinyl acetate	U		0.00404	0.0143	1	05/01/2018 16:12	WG1105867
Vinyl chloride	U		0.000784	0.00287	1	05/01/2018 16:12	WG1105867
Xylenes, Total	U		0.00549	0.00746	1	05/01/2018 16:12	WG1105867
(S) Toluene-d8	*110*			*80.0-120*		*05/01/2018 16:12*	WG1105867
(S) Toluene-d8	*110*			*80.0-120*		*05/02/2018 16:40*	WG1105867
(S) Dibromofluoromethane	*80.0*			*74.0-131*		*05/01/2018 16:12*	WG1105867
(S) Dibromofluoromethane	*112*			*74.0-131*		*05/02/2018 16:40*	WG1105867
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*05/02/2018 16:40*	WG1105867
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*05/01/2018 16:12*	WG1105867

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.39	J J0	1.05	25.0	1	04/26/2018 11:16	WG1103367
Acrylonitrile	U		0.873	5.00	1	04/26/2018 11:16	WG1103367
Benzene	U		0.0896	0.500	1	04/26/2018 11:16	WG1103367
Bromobenzene	U		0.133	0.500	1	04/26/2018 11:16	WG1103367
Bromodichloromethane	U		0.0800	0.500	1	04/26/2018 11:16	WG1103367
Bromochloromethane	U		0.145	0.500	1	04/26/2018 11:16	WG1103367
Bromoform	U		0.186	0.500	1	04/26/2018 11:16	WG1103367
Bromomethane	U		0.157	2.50	1	04/26/2018 11:16	WG1103367
n-Butylbenzene	U		0.143	0.500	1	04/26/2018 11:16	WG1103367
sec-Butylbenzene	U		0.134	0.500	1	04/26/2018 11:16	WG1103367
tert-Butylbenzene	U		0.183	0.500	1	04/26/2018 11:16	WG1103367
Carbon disulfide	U		0.101	0.500	1	04/26/2018 11:16	WG1103367
Carbon tetrachloride	U		0.159	0.500	1	04/26/2018 11:16	WG1103367
Chlorobenzene	U		0.140	0.500	1	04/26/2018 11:16	WG1103367
Chlorodibromomethane	U		0.128	0.500	1	04/26/2018 11:16	WG1103367
Chloroethane	U		0.141	2.50	1	04/26/2018 11:16	WG1103367
Chloroform	U		0.0860	0.500	1	04/26/2018 11:16	WG1103367
Chloromethane	U		0.153	1.25	1	04/26/2018 11:16	WG1103367
2-Chlorotoluene	U		0.111	0.500	1	04/26/2018 11:16	WG1103367
4-Chlorotoluene	U		0.0972	0.500	1	04/26/2018 11:16	WG1103367
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/26/2018 11:16	WG1103367
1,2-Dibromoethane	U		0.193	0.500	1	04/26/2018 11:16	WG1103367
Dibromomethane	U		0.117	0.500	1	04/26/2018 11:16	WG1103367
1,2-Dichlorobenzene	U		0.101	0.500	1	04/26/2018 11:16	WG1103367
1,3-Dichlorobenzene	U		0.130	0.500	1	04/26/2018 11:16	WG1103367
1,4-Dichlorobenzene	U		0.121	0.500	1	04/26/2018 11:16	WG1103367
Dichlorodifluoromethane	U		0.127	2.50	1	04/26/2018 11:16	WG1103367
1,1-Dichloroethane	U		0.114	0.500	1	04/26/2018 11:16	WG1103367
1,2-Dichloroethane	U		0.108	0.500	1	04/26/2018 11:16	WG1103367
1,1-Dichloroethene	U		0.188	0.500	1	04/26/2018 11:16	WG1103367
cis-1,2-Dichloroethene	1.08 J+	B	0.0933	0.500	1	04/26/2018 11:16	WG1103367
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/26/2018 11:16	WG1103367
1,2-Dichloropropane	U		0.190	0.500	1	04/26/2018 11:16	WG1103367
1,1-Dichloropropene	U		0.128	0.500	1	04/26/2018 11:16	WG1103367
1,3-Dichloropropane	U		0.147	1.00	1	04/26/2018 11:16	WG1103367
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/26/2018 11:16	WG1103367
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/26/2018 11:16	WG1103367
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/26/2018 11:16	WG1103367
2,2-Dichloropropane	U		0.0929	0.500	1	04/26/2018 11:16	WG1103367
Di-isopropyl ether	U		0.0924	0.500	1	04/26/2018 11:16	WG1103367
Ethylbenzene	U		0.158	0.500	1	04/26/2018 11:16	WG1103367
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/26/2018 11:16	WG1103367
2-Hexanone	U		0.757	5.00	1	04/26/2018 11:16	WG1103367
n-Hexane	U		0.305	5.00	1	04/26/2018 11:16	WG1103367
Iodomethane	U		0.377	10.0	1	04/26/2018 11:16	WG1103367
Isopropylbenzene	U		0.126	0.500	1	04/26/2018 11:16	WG1103367
p-Isopropyltoluene	U		0.138	0.500	1	04/26/2018 11:16	WG1103367
2-Butanone (MEK)	U		1.28	5.00	1	04/26/2018 11:16	WG1103367
Methylene Chloride	U		1.07	2.50	1	04/26/2018 11:16	WG1103367
4-Methyl-2-pentanone (MIBK)	0.969 U	B J	0.823	5.00	1	04/26/2018 11:16	WG1103367
Methyl tert-butyl ether	U		0.102	0.500	1	04/26/2018 11:16	WG1103367
Naphthalene	U		0.174	2.50	1	04/26/2018 11:16	WG1103367
n-Propylbenzene	U		0.162	0.500	1	04/26/2018 11:16	WG1103367
Styrene	U		0.117	0.500	1	04/26/2018 11:16	WG1103367
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/26/2018 11:16	WG1103367
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/26/2018 11:16	WG1103367

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/26/2018 11:16	WG1103367
Tetrachloroethene	0.225	J	0.199	0.500	1	04/26/2018 11:16	WG1103367
Toluene	U		0.412	0.500	1	04/26/2018 11:16	WG1103367
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/26/2018 11:16	WG1103367
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/26/2018 11:16	WG1103367
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/26/2018 11:16	WG1103367
1,1,2-Trichloroethane	U		0.186	0.500	1	04/26/2018 11:16	WG1103367
Trichloroethene	0.383	J	0.153	0.500	1	04/26/2018 11:16	WG1103367
Trichlorofluoromethane	U		0.130	2.50	1	04/26/2018 11:16	WG1103367
1,2,3-Trichloropropane	U		0.247	2.50	1	04/26/2018 11:16	WG1103367
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/26/2018 11:16	WG1103367
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/26/2018 11:16	WG1103367
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/26/2018 11:16	WG1103367
Vinyl acetate	U		0.645	5.00	1	04/26/2018 11:16	WG1103367
Vinyl chloride	0.283	J	0.118	0.500	1	04/26/2018 11:16	WG1103367
Xylenes, Total	U		0.316	1.50	1	04/26/2018 11:16	WG1103367
(S) Toluene-d8	*102*			*80.0-120*		*04/26/2018 11:16*	WG1103367
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/26/2018 11:16*	WG1103367
(S) 4-Bromofluorobenzene	*91.5*			*80.0-120*		*04/26/2018 11:16*	WG1103367

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MEMORANDUM

TO: Project File **DATE:** May 13, 2018

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 1413.001.05.304

TASK: April, 2018 – Soil Samples

LAB: ESC Sample Delivery Groups L987913, L987923, L988671, and L988727

Fifty-nine (59) soil samples including two (2) field duplicates, and three (3) trip blanks were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on April 19, 20, and 23, 2018. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260C; and
- Total Solids by Standard Methods 2540 G-2011.

Associated sample data are reported in four ESC SDGs (L987913, L987923, L988671, and L988727). The quality assurance review of the sample data are summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with ESC control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a

cooler temperature less than the recommended temperature preservation less than 6°C. No data were qualified based upon the sample collection and preservation information.

Holding Times

USEPA Method 8260C:
All samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters from the date of collection. All holding time criteria were met.

Total Solids by SM 2540 G 2011:
Samples were analyzed within the USEPA recommended holding time of seven days for total solids.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable however ESC's notes indicate the following:

- SDG L987913 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for multiple compounds associated with analytical batch WG1101837 (analyzed on April 23, 2018). The compounds are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L987913 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for multiple compounds associated with analytical batch WG1102608 (analyzed on April 26, 2018). The compounds are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L987913 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for associated with analytical batch WG1102311 (analyzed on April 24, 2018). Associated trip blank for trans-1,4-dichloro-2-butene is qualified by the laboratory "J0" to indicate that percent difference CCV is outside of laboratory acceptance criteria. **Associated trans-1,4-dichloro-2-butene result with laboratory qualified (J0) result is estimated and qualified (J/UJ).**

- SDG L987923 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for associated with analytical batch WG1102608 (analyzed on April 26, 2018). The compounds are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L987923 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for associated with analytical batch WG1103312 (analyzed on April 26, 2018). Compounds (acetone, chloroethane, and dichlorodifluoromethane) are

qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

- SDG L987923 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for associated with analytical batch WG1102311 (analyzed on April 24, 2018). Associated trip blank for trans-1,4-dichloro-2-butene is qualified by the laboratory "J0" to indicate that percent difference CCV is outside of laboratory acceptance criteria. **Associated trans-1,4-dichloro-2-butene result with laboratory qualified (J0) result is estimated and qualified (J/UJ).**

- SDG L988671 - *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for associated with analytical batch WG1104137 (analyzed on April 30, 2018). Multiple compounds are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **Associated results with laboratory qualified (J0) results are estimated and qualified (J/UJ).**

Method Blank Results

USEPA Method 8260C:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L988727 - Analytical batch WG1103367: Low levels of 4-methyl-2-pentanone (MIBK) and cis-1,2-dichloroethene were detected in the method blank associated with the trip blank. **Associated 4-methyl-2-pentanone (MIBK) detection in the trip blank is qualified as not detected (U) due to method blank contamination.** Compound cis-1,2-dichloroethene was detected above the RDL in the trip blank. Refer to the section on Trip Blank Results for further actions on cis-1,2-dichloroethene.

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (% solids) were not detected at a significant level in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C:
Three trip blanks were collected and analyzed. The target analytes were not detected in the trip blank at or above the RDLs with the following exceptions:

- SDG L988727 - Analytical batch WG1100931: Low levels of acetone, cis-1,2-dichloroethene, 4-methyl-2-pentanone (MIBK), tetrachloroethene, trichloroethene, and vinyl chloride are detected in the trip blank. Compound cis-1,2-dichloroethene was detected above the RDL and remaining compounds were detected below the RDL. Actions are as follows:

- Low levels of acetone are detected in associated samples B-248-5 and B-248-50. **Acetone detection in sample B-248-5 is qualified as not detected and qualified (U) due to trip blank contamination.** No action is taken for the acetone detection in sample B-248-50 as the detected concentration far exceeds the trip blank concentration. Refer to the section on Other Quality Control Issues for more information on this sample.

- Low levels of cis-1,2-dichloroethene are detected in samples B-248-10, B-248-15, B-248-20, B-248-25, B-248-35, B-248-40, B-248-45, B-248-50, B-248-60, B-248-65, B-248-70, B-248-75, and B-248-110. Per Guidelines if blank contamination is above the RDL then associated results falling between the RDL and 10X the blank contamination (< 10.8 µg/L) are qualified as estimated with high bias (J+). Results below the RDL are qualified as not detected (U) at the RDL. **Compound cis-1,2-dichloroethene was detected above the RDL in samples B-248-20, B-248-25, B-248-35, B-248-45, B-248-50, B-248-60, B-248-65, and B-248-110. Compound cis-1,2-dichloroethene results in the samples listed above are qualified as estimated with high bias (J+) due to trip blank contamination. Compound cis-1,2-dichloroethene was detected below the RDL in samples B-248-10 and B-248-15. Compound cis-1,2-dichloroethene results in samples B-248-10 and B-248-15 are qualified as not detected (U) due to trip blank contamination.**

- Compound 4-methyl-2-pentanone (MIBK) was not detected in associated samples but was detected at a low level in the trip blank. **The MIBK result in the trip blank is qualified as not detected (U) due to method blank contamination.** Refer to the discussion on method blank results for action on MIBK.

- Low levels of tetrachloroethene are detected above the RDL in multiple samples however no action is required in these cases. Tetrachloroethene was detected at a low level below the RDL in sample B-248-110. **The tetrachloroethene result in sample B-248-110 is qualified as not detected (U) due to trip blank contamination.**

- Low levels of trichloroethene are detected above the RDL in multiple samples however no action is required in these cases since the contamination in the trip blank is below the RDL.

- Vinyl chloride is detected above the RDL in several samples. A low level of vinyl chloride is detected below the RDL in sample B-248-50. **The vinyl chloride result in sample B-248-50 is qualified as not detected (U) due to trip blank contamination.**

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate sample pairs are as follows:

- SDG L987923: Samples B-247-80 and B-909-20
- SDG L988671: Samples B-248-80 and B-910-20

Field duplicate pairs were submitted and analyzed for VOCs. VOC target analyte results are comparable and within a relative percent difference (RPD) of 30% (for results >5X the RDL) for both sets of field duplicates.

Laboratory Duplicate Analyses

USEPA Method 8260C:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) or matrix spike/matrix spike duplicates (MS/MSDs) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client and non-client samples within the analytical batches. The primary/duplicate RPDs for total solids analyses are within the laboratory control limit of 5% with one exception:

- SDG L987913 - Analytical Batch WG1102892: Duplicate was performed on a non-client sample. RPD was greater than 5% at 7%. No action is taken since duplicate was performed on a non-client sample which was <60% solids and not representative of the client samples. Refer to field duplicate precision for solids data associated with SDGs L987923 and L988671.

Surrogate Recoveries

USEPA Method 8260C:
The surrogate recovery results for the samples, laboratory control samples, matrix spike samples, trip blanks, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exceptions:

- SDG L988727 - Analytical Batch WG1105867: Surrogate dibromofluoromethane (date of analysis is May 1, 2018) was low on sample B-248-50 and below laboratory acceptance criteria (recovery is greater than 10%). **Per Guidelines, sample B-248-50 detects are qualified as estimated low (J-) and non-detects are qualified as estimated (UJ) with the exception of results for cis-1,2-dichloroethene and vinyl chloride which are respectively qualified (J+ and U) due to trip blank contamination.**

- SDG L988727 - Analytical Batch WG1105867: Surrogate toluene-d8 (date of analysis is May 1, 2018) was low on sample B-248-75 and below laboratory acceptance criteria (recovery is greater than 10%). **Per Guidelines, sample B-248-75 detects are qualified as estimated low (J-) and non-detects are qualified as estimated (UJ) with the**

exception of cis-1,2-dichloroethene which is qualified (J+) due to trip blank contamination.

Laboratory Control Samples

USEPA Method 8260C:

LCS/LCSD was analyzed by USEPA Method 8260C method. The LCS/LCSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for waters with the following discussions and exceptions:

- SDG L987913 - Analytical Batch WG1101837: LCS recovery for hexachloro-1,3-butadiene is slightly above control limit criteria and laboratory qualified (J4). No action was taken since this compound is not detected in the associated samples.

- SDG L987913 - Analytical Batch WG1101837: LCS recovery for trans-1,4-dichloro-2-butene is slightly below control limit criteria and laboratory qualified (J4). No further action was taken other than to note that the associated sample is a trip blank and QC for associated soil samples meets criteria for trans-1,4-dichloro-2-butene.

- SDG L987923 - Analytical batch WG1100741: LCS compound 2-hexanone is recovered within control limits but recovered wide with an elevated RPD and is laboratory qualified (J3). No action was taken since recovery is wide but within criteria.

- SDG L987923 - Analytical Batch WG1101837: LCS recovery for trans-1,4-dichloro-2-butene is slightly below control limit criteria and laboratory qualified (J4). No further action was taken other than to note that the associated sample is a trip blank and QC for associated soil samples meets criteria for trans-1,4-dichloro-2-butene.

- SDGs L988671 - Analytical Batch WG1104137: LCSD recovery for chlorobenzene, trichloroethene, and total xylenes are slightly below control limit criteria and laboratory qualified (J4). LCS results are within laboratory acceptance criteria. **Associated sample results for chlorobenzene, trichloroethene, and total xylenes are estimated and qualified (J) due to low LCSD recoveries.**

- SDG L988671 - Analytical Batch WG1104137: LCS/LCSD recoveries for vinyl acetate are above control limit criteria and laboratory qualified (J4). No action was taken since this compound is not detected in the associated samples.

- SDG L988727 - Analytical Batch WG1104137: LCSD recovery for chlorobenzene, trichloroethene, and total xylenes are slightly below control limit criteria and laboratory qualified (J4). LCS results are within laboratory acceptance criteria. **Associated sample results for chlorobenzene, trichloroethene, and total xylenes are estimated and qualified (J) due to low LCSD recoveries.**

- SDG L988727 - Analytical Batch WG1104137: LCS/LCSD recoveries for vinyl acetate are above control limit criteria and laboratory qualified (J4). No action was taken since this compound is not detected in the associated samples.

- SDG L988727 - Analytical Batch WG1105867: LCS/LCSD recoveries for iodomethane are above control limit criteria and laboratory qualified (J4). No action was taken since this compound is not detected in the associated samples.

Total Solids by SM 2540 G 2011:
The LCS %Rs for total solids are within the laboratory control criteria for soils.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
Matrix spike/matrix spike duplicate (MS/MSD) analyses were performed on a non-client sample. In cases where MS/MSDs were not performed refer to LCS/LCSDs for accuracy and precision data. MS/MSD % Rs and RPDs are acceptable with the following exceptions:

- SDG L987913 - Analytical batch WG1101837: Spike analyses were performed on a non-client sample within the analytical batch. Multiple compounds were recovered within control limits but recovered wide with an elevated RPD and laboratory qualified (J3). No action was taken on this basis since recoveries are within. Carbon disulfide MSD was recovered less than 10% and laboratory qualified (J6) however no action is taken since the spike was performed on a non-client sample and LCS/LCSD control limits for carbon disulfide are met.

- SDG L988727 - Analytical batch WG1103367: Water MS/MSDs associated with the trip blank were performed on two non-client samples within the analytical batch. Multiple MS/MSD compounds on one of the spikes are recovered within control limits but recovered wide with elevated RPDs and are laboratory qualified (J3). No action was taken since recoveries are wide but within criteria and the other MS/MSD % Rs and RPDs are within laboratory acceptance criteria.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following issue:

- SDG L988727 - Analytical batch WG1105867: ESC sample narrative notes indicate that there was insufficient methanol volume to run sample at higher dilution on sample B-248-50. Acetone was laboratory qualified (E) to indicate that the analyte concentration exceeded the upper limit of the calibration range. **The acetone result for sample B-248-50 is estimated and qualified (J) because the acetone result exceeds the upper calibration limit.**

Quantitation Limits

The RDLs used for this sample group are acceptable for the project. Several samples were diluted due to elevated concentrations of various target analytes. ESC sample narrative notes indicate that for soil sample IW-11D-45 the target compounds were too high to run the sample at a lower dilution. No action was taken other than to note this.

Detections between the MDL and RDL are estimated (J) by the laboratory and qualified (J) by the data validator to re-emphasize that the detection is estimated.

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

ANALYTICAL REPORT

May 14, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L988839
Samples Received:	04/26/2018
Project Number:	1413.001.05.601
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Jason Romer
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

MW-139-042518 L988839-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/25/18 08:36 | Received date/time: 04/26/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1104061	1	04/30/18 14:35	04/30/18 14:35	MCG
Wet Chemistry by Method 9056A	WG1103510	1	04/26/18 18:41	04/26/18 18:41	MAJ
Wet Chemistry by Method 9056A	WG1106988	1	05/04/18 15:12	05/04/18 15:12	MAJ
Wet Chemistry by Method 9060A	WG1103755	10	04/27/18 21:19	04/27/18 21:19	EG
Metals (ICPMS) by Method 6020A	WG1103346	1	04/26/18 15:01	04/30/18 15:49	LAT
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104015	1	04/27/18 14:39	04/27/18 14:39	DWR
Volatile Organic Compounds (GC) by Method RSK175	WG1105380	1	05/02/18 11:22	05/02/18 11:22	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	1	04/27/18 05:01	04/27/18 05:01	LRL

MW-135-042518 L988839-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/25/18 09:50 | Received date/time: 04/26/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1104061	1	04/30/18 14:44	04/30/18 14:44	MCG
Wet Chemistry by Method 9056A	WG1103510	1	04/26/18 21:56	04/26/18 21:56	MAJ
Wet Chemistry by Method 9056A	WG1103510	5	04/26/18 22:12	04/26/18 22:12	MAJ
Wet Chemistry by Method 9060A	WG1104356	1	04/28/18 17:45	04/28/18 17:45	SJM
Metals (ICPMS) by Method 6020A	WG1103346	1	04/26/18 15:01	04/30/18 15:53	LAT
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104015	25	05/01/18 20:03	05/01/18 20:03	ACG
Volatile Organic Compounds (GC) by Method RSK175	WG1105380	1	05/02/18 11:25	05/02/18 11:25	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	1	04/27/18 05:20	04/27/18 05:20	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	1000	05/02/18 04:19	05/02/18 04:19	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	200	04/28/18 11:01	04/28/18 11:01	JBE

IW-13C-042518 L988839-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/25/18 12:29 | Received date/time: 04/26/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	1	04/27/18 05:38	04/27/18 05:38	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	10	04/28/18 11:20	04/28/18 11:20	JBE

MW-133-042518 L988839-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/25/18 11:21 | Received date/time: 04/26/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1104061	1	04/30/18 14:51	04/30/18 14:51	MCG
Wet Chemistry by Method 9056A	WG1103510	1	04/26/18 22:27	04/26/18 22:27	MAJ
Wet Chemistry by Method 9060A	WG1104356	1	04/28/18 18:00	04/28/18 18:00	SJM
Metals (ICPMS) by Method 6020A	WG1103346	1	04/26/18 15:01	04/30/18 15:58	LAT
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104015	1	04/30/18 18:04	04/30/18 18:04	ACG
Volatile Organic Compounds (GC) by Method RSK175	WG1105380	1	05/02/18 11:28	05/02/18 11:28	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	1	04/27/18 05:57	04/27/18 05:57	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	1	04/28/18 11:39	04/28/18 11:39	JBE

IW-22B-042518 L988839-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/25/18 13:09 | Received date/time: 04/26/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	20	04/27/18 06:16	04/27/18 06:16	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	500	04/28/18 11:57	04/28/18 11:57	JBE

MW102-042518 L988839-06 GW

Collected by	Collected date/time	Received date/time
Jeff Dobbins	04/25/18 15:05	04/26/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1104061	1	04/30/18 15:21	04/30/18 15:21	MCG
Wet Chemistry by Method 9056A	WG1103510	1	04/26/18 22:43	04/26/18 22:43	MAJ
Wet Chemistry by Method 9060A	WG1103755	1	04/27/18 21:54	04/27/18 21:54	EG
Metals (ICPMS) by Method 6020A	WG1103346	1	04/26/18 15:01	04/30/18 16:03	LAT
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104015	1	04/30/18 18:26	04/30/18 18:26	ACG
Volatile Organic Compounds (GC) by Method RSK175	WG1105380	1	05/02/18 11:31	05/02/18 11:31	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	1	04/27/18 06:34	04/27/18 06:34	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1103800	1	04/28/18 12:16	04/28/18 12:16	JBE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer
Technical Service Representative

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	212000		2710	20000	1	04/30/2018 14:35	WG1104061

Sample Narrative:

L988839-01 WG1104061: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	21900		51.9	1000	1	04/26/2018 18:41	WG1103510
Nitrate	U	Q	22.7	100	1	05/04/2018 15:12	WG1106988
Sulfate	2210	J	77.4	5000	1	04/26/2018 18:41	WG1103510

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	28500		1020	10000	10	04/27/2018 21:19	WG1103755

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1130		15.0	100	1	04/30/2018 15:49	WG1103346
Manganese	251		0.250	5.00	1	04/30/2018 15:49	WG1103346

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/27/2018 14:39	WG1104015
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-122*		*04/27/2018 14:39*	WG1104015

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4280		0.287	0.678	1	05/02/2018 11:22	WG1105380
Ethane	8.04		0.296	1.29	1	05/02/2018 11:22	WG1105380
Ethene	U		0.422	1.27	1	05/02/2018 11:22	WG1105380

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.71	J	1.05	25.0	1	04/27/2018 05:01	WG1103800
Acrylonitrile	U		0.873	5.00	1	04/27/2018 05:01	WG1103800
Benzene	U		0.0896	0.500	1	04/27/2018 05:01	WG1103800
Bromobenzene	U		0.133	0.500	1	04/27/2018 05:01	WG1103800
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 05:01	WG1103800
Bromochloromethane	U		0.145	0.500	1	04/27/2018 05:01	WG1103800
Bromoform	U		0.186	0.500	1	04/27/2018 05:01	WG1103800
Bromomethane	U		0.157	2.50	1	04/27/2018 05:01	WG1103800
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 05:01	WG1103800
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 05:01	WG1103800
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 05:01	WG1103800
Carbon disulfide	U		0.101	0.500	1	04/27/2018 05:01	WG1103800
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 05:01	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/27/2018 05:01	WG1103800
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 05:01	WG1103800
Chloroethane	U		0.141	2.50	1	04/27/2018 05:01	WG1103800
Chloroform	U		0.0860	0.500	1	04/27/2018 05:01	WG1103800
Chloromethane	U		0.153	1.25	1	04/27/2018 05:01	WG1103800
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 05:01	WG1103800
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 05:01	WG1103800
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 05:01	WG1103800
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 05:01	WG1103800
Dibromomethane	U		0.117	0.500	1	04/27/2018 05:01	WG1103800
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2018 05:01	WG1103800
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 05:01	WG1103800
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 05:01	WG1103800
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 05:01	WG1103800
1,1-Dichloroethane	U		0.114	0.500	1	04/27/2018 05:01	WG1103800
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 05:01	WG1103800
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2018 05:01	WG1103800
cis-1,2-Dichloroethene	0.175	J	0.0933	0.500	1	04/27/2018 05:01	WG1103800
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2018 05:01	WG1103800
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 05:01	WG1103800
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 05:01	WG1103800
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 05:01	WG1103800
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 05:01	WG1103800
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 05:01	WG1103800
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 05:01	WG1103800
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 05:01	WG1103800
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 05:01	WG1103800
Ethylbenzene	U		0.158	0.500	1	04/27/2018 05:01	WG1103800
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 05:01	WG1103800
2-Hexanone	U		0.757	5.00	1	04/27/2018 05:01	WG1103800
n-Hexane	U		0.305	5.00	1	04/27/2018 05:01	WG1103800
Iodomethane	U		0.377	10.0	1	04/27/2018 05:01	WG1103800
Isopropylbenzene	U		0.126	0.500	1	04/27/2018 05:01	WG1103800
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 05:01	WG1103800
2-Butanone (MEK)	2.67	J	1.28	5.00	1	04/27/2018 05:01	WG1103800
Methylene Chloride	U		1.07	2.50	1	04/27/2018 05:01	WG1103800
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 05:01	WG1103800
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 05:01	WG1103800
Naphthalene	U		0.174	2.50	1	04/27/2018 05:01	WG1103800
n-Propylbenzene	U		0.162	0.500	1	04/27/2018 05:01	WG1103800
Styrene	U		0.117	0.500	1	04/27/2018 05:01	WG1103800
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 05:01	WG1103800
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 05:01	WG1103800
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 05:01	WG1103800
Tetrachloroethene	U		0.199	0.500	1	04/27/2018 05:01	WG1103800
Toluene	U		0.412	0.500	1	04/27/2018 05:01	WG1103800
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 05:01	WG1103800
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 05:01	WG1103800
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 05:01	WG1103800
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 05:01	WG1103800
Trichloroethene	U		0.153	0.500	1	04/27/2018 05:01	WG1103800
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 05:01	WG1103800
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 05:01	WG1103800
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2018 05:01	WG1103800
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2018 05:01	WG1103800
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2018 05:01	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/27/2018 05:01	WG1103800
Vinyl chloride	U		0.118	0.500	1	04/27/2018 05:01	WG1103800
Xylenes, Total	U		0.316	1.50	1	04/27/2018 05:01	WG1103800
(S) Toluene-d8	*102*			*80.0-120*		*04/27/2018 05:01*	WG1103800
(S) Dibromofluoromethane	*103*			*76.0-123*		*04/27/2018 05:01*	WG1103800
(S) 4-Bromofluorobenzene	*91.7*			*80.0-120*		*04/27/2018 05:01*	WG1103800

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	273000		2710	20000	1	04/30/2018 14:44	WG1104061

Sample Narrative:

L988839-02 WG1104061: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	118000		260	5000	5	04/26/2018 22:12	WG1103510
Nitrate	U		22.7	100	1	04/26/2018 21:56	WG1103510
Sulfate	21900		77.4	5000	1	04/26/2018 21:56	WG1103510

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6210		102	1000	1	04/28/2018 17:45	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1740		15.0	100	1	04/30/2018 15:53	WG1103346
Manganese	656		0.250	5.00	1	04/30/2018 15:53	WG1103346

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	34700		790	2500	25	05/01/2018 20:03	WG1104015
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-122*		*05/01/2018 20:03*	WG1104015

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	333		0.287	0.678	1	05/02/2018 11:25	WG1105380
Ethane	18.1		0.296	1.29	1	05/02/2018 11:25	WG1105380
Ethene	131		0.422	1.27	1	05/02/2018 11:25	WG1105380

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	9.87	J	1.05	25.0	1	04/27/2018 05:20	WG1103800
Acrylonitrile	U		0.873	5.00	1	04/27/2018 05:20	WG1103800
Benzene	0.434	J	0.0896	0.500	1	04/27/2018 05:20	WG1103800
Bromobenzene	U		0.133	0.500	1	04/27/2018 05:20	WG1103800
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 05:20	WG1103800
Bromochloromethane	U		0.145	0.500	1	04/27/2018 05:20	WG1103800
Bromoform	U		0.186	0.500	1	04/27/2018 05:20	WG1103800
Bromomethane	U		0.157	2.50	1	04/27/2018 05:20	WG1103800
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 05:20	WG1103800
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 05:20	WG1103800
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 05:20	WG1103800
Carbon disulfide	0.591		0.101	0.500	1	04/27/2018 05:20	WG1103800
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 05:20	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.140	0.500	1	04/27/2018 05:20	WG1103800
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 05:20	WG1103800
Chloroethane	0.553	J	0.141	2.50	1	04/27/2018 05:20	WG1103800
Chloroform	U		0.0860	0.500	1	04/27/2018 05:20	WG1103800
Chloromethane	U		0.153	1.25	1	04/27/2018 05:20	WG1103800
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 05:20	WG1103800
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 05:20	WG1103800
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 05:20	WG1103800
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 05:20	WG1103800
Dibromomethane	U		0.117	0.500	1	04/27/2018 05:20	WG1103800
1,2-Dichlorobenzene	0.143	J	0.101	0.500	1	04/27/2018 05:20	WG1103800
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 05:20	WG1103800
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 05:20	WG1103800
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 05:20	WG1103800
1,1-Dichloroethane	0.512		0.114	0.500	1	04/27/2018 05:20	WG1103800
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 05:20	WG1103800
1,1-Dichloroethene	188		37.6	100	200	04/28/2018 11:01	WG1103800
cis-1,2-Dichloroethene	27700		18.7	100	200	04/28/2018 11:01	WG1103800
trans-1,2-Dichloroethene	30.7		0.152	0.500	1	04/27/2018 05:20	WG1103800
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 05:20	WG1103800
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 05:20	WG1103800
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 05:20	WG1103800
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 05:20	WG1103800
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 05:20	WG1103800
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 05:20	WG1103800
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 05:20	WG1103800
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 05:20	WG1103800
Ethylbenzene	0.484	J	0.158	0.500	1	04/27/2018 05:20	WG1103800
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 05:20	WG1103800
2-Hexanone	U		0.757	5.00	1	04/27/2018 05:20	WG1103800
n-Hexane	U		0.305	5.00	1	04/27/2018 05:20	WG1103800
Iodomethane	U		0.377	10.0	1	04/27/2018 05:20	WG1103800
Isopropylbenzene	0.145	J	0.126	0.500	1	04/27/2018 05:20	WG1103800
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 05:20	WG1103800
2-Butanone (MEK)	2.24	J	1.28	5.00	1	04/27/2018 05:20	WG1103800
Methylene Chloride	U		1.07	2.50	1	04/27/2018 05:20	WG1103800
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 05:20	WG1103800
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 05:20	WG1103800
Naphthalene	0.469	J	0.174	2.50	1	04/27/2018 05:20	WG1103800
n-Propylbenzene	0.348	J	0.162	0.500	1	04/27/2018 05:20	WG1103800
Styrene	U		0.117	0.500	1	04/27/2018 05:20	WG1103800
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 05:20	WG1103800
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 05:20	WG1103800
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 05:20	WG1103800
Tetrachloroethene	75800		199	500	1000	05/02/2018 04:19	WG1103800
Toluene	3.09		0.412	0.500	1	04/27/2018 05:20	WG1103800
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 05:20	WG1103800
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 05:20	WG1103800
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 05:20	WG1103800
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 05:20	WG1103800
Trichloroethene	7890		30.6	100	200	04/28/2018 11:01	WG1103800
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 05:20	WG1103800
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 05:20	WG1103800
1,2,4-Trimethylbenzene	2.26		0.123	0.500	1	04/27/2018 05:20	WG1103800
1,2,3-Trimethylbenzene	1.12		0.0739	0.500	1	04/27/2018 05:20	WG1103800
1,3,5-Trimethylbenzene	0.708		0.124	0.500	1	04/27/2018 05:20	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/27/2018 05:20	WG1103800
Vinyl chloride	989		23.6	100	200	04/28/2018 11:01	WG1103800
Xylenes, Total	2.61		0.316	1.50	1	04/27/2018 05:20	WG1103800
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2018 04:19*	WG1103800
(S) Toluene-d8	*102*			*80.0-120*		*04/27/2018 05:20*	WG1103800
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 11:01*	WG1103800
(S) Dibromofluoromethane	*94.6*			*76.0-123*		*05/02/2018 04:19*	WG1103800
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/27/2018 05:20*	WG1103800
(S) Dibromofluoromethane	*102*			*76.0-123*		*04/28/2018 11:01*	WG1103800
(S) 4-Bromofluorobenzene	*94.2*			*80.0-120*		*04/28/2018 11:01*	WG1103800
(S) 4-Bromofluorobenzene	*92.2*			*80.0-120*		*05/02/2018 04:19*	WG1103800
(S) 4-Bromofluorobenzene	*87.1*			*80.0-120*		*04/27/2018 05:20*	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.64	J	1.05	25.0	1	04/27/2018 05:38	WG1103800
Acrylonitrile	U		0.873	5.00	1	04/27/2018 05:38	WG1103800
Benzene	U		0.0896	0.500	1	04/27/2018 05:38	WG1103800
Bromobenzene	U		0.133	0.500	1	04/27/2018 05:38	WG1103800
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 05:38	WG1103800
Bromochloromethane	U		0.145	0.500	1	04/27/2018 05:38	WG1103800
Bromoform	U		0.186	0.500	1	04/27/2018 05:38	WG1103800
Bromomethane	U		0.157	2.50	1	04/27/2018 05:38	WG1103800
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 05:38	WG1103800
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 05:38	WG1103800
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 05:38	WG1103800
Carbon disulfide	0.287	J	0.101	0.500	1	04/27/2018 05:38	WG1103800
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 05:38	WG1103800
Chlorobenzene	U		0.140	0.500	1	04/27/2018 05:38	WG1103800
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 05:38	WG1103800
Chloroethane	U		0.141	2.50	1	04/27/2018 05:38	WG1103800
Chloroform	U		0.0860	0.500	1	04/27/2018 05:38	WG1103800
Chloromethane	U		0.153	1.25	1	04/27/2018 05:38	WG1103800
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 05:38	WG1103800
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 05:38	WG1103800
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 05:38	WG1103800
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 05:38	WG1103800
Dibromomethane	U		0.117	0.500	1	04/27/2018 05:38	WG1103800
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2018 05:38	WG1103800
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 05:38	WG1103800
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 05:38	WG1103800
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 05:38	WG1103800
1,1-Dichloroethane	U		0.114	0.500	1	04/27/2018 05:38	WG1103800
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 05:38	WG1103800
1,1-Dichloroethene	4.12	J	1.88	5.00	10	04/28/2018 11:20	WG1103800
cis-1,2-Dichloroethene	412		0.933	5.00	10	04/28/2018 11:20	WG1103800
trans-1,2-Dichloroethene	0.292	J	0.152	0.500	1	04/27/2018 05:38	WG1103800
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 05:38	WG1103800
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 05:38	WG1103800
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 05:38	WG1103800
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 05:38	WG1103800
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 05:38	WG1103800
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 05:38	WG1103800
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 05:38	WG1103800
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 05:38	WG1103800
Ethylbenzene	U		0.158	0.500	1	04/27/2018 05:38	WG1103800
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 05:38	WG1103800
2-Hexanone	U		0.757	5.00	1	04/27/2018 05:38	WG1103800
n-Hexane	U		0.305	5.00	1	04/27/2018 05:38	WG1103800
Iodomethane	U		0.377	10.0	1	04/27/2018 05:38	WG1103800
Isopropylbenzene	U		0.126	0.500	1	04/27/2018 05:38	WG1103800
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 05:38	WG1103800
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2018 05:38	WG1103800
Methylene Chloride	U		1.07	2.50	1	04/27/2018 05:38	WG1103800
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 05:38	WG1103800
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 05:38	WG1103800
Naphthalene	U		0.174	2.50	1	04/27/2018 05:38	WG1103800
n-Propylbenzene	U		0.162	0.500	1	04/27/2018 05:38	WG1103800
Styrene	U		0.117	0.500	1	04/27/2018 05:38	WG1103800
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 05:38	WG1103800
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 05:38	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 05:38	WG1103800
Tetrachloroethene	155		1.99	5.00	10	04/28/2018 11:20	WG1103800
Toluene	U		0.412	0.500	1	04/27/2018 05:38	WG1103800
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 05:38	WG1103800
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 05:38	WG1103800
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 05:38	WG1103800
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 05:38	WG1103800
Trichloroethene	111		1.53	5.00	10	04/28/2018 11:20	WG1103800
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 05:38	WG1103800
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 05:38	WG1103800
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2018 05:38	WG1103800
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2018 05:38	WG1103800
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2018 05:38	WG1103800
Vinyl acetate	U	J0	0.645	5.00	1	04/27/2018 05:38	WG1103800
Vinyl chloride	30.0		1.18	5.00	10	04/28/2018 11:20	WG1103800
Xylenes, Total	U		0.316	1.50	1	04/27/2018 05:38	WG1103800
(S) Toluene-d8	*103*			*80.0-120*		*04/27/2018 05:38*	WG1103800
(S) Toluene-d8	*104*			*80.0-120*		*04/28/2018 11:20*	WG1103800
(S) Dibromofluoromethane	*99.0*			*76.0-123*		*04/28/2018 11:20*	WG1103800
(S) Dibromofluoromethane	*99.7*			*76.0-123*		*04/27/2018 05:38*	WG1103800
(S) 4-Bromofluorobenzene	*89.8*			*80.0-120*		*04/27/2018 05:38*	WG1103800
(S) 4-Bromofluorobenzene	*90.4*			*80.0-120*		*04/28/2018 11:20*	WG1103800

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	173000		2710	20000	1	04/30/2018 14:51	WG1104061

Sample Narrative:
L988839-04 WG1104061: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	9910		51.9	1000	1	04/26/2018 22:27	WG1103510
Nitrate	287		22.7	100	1	04/26/2018 22:27	WG1103510
Sulfate	1430	J	77.4	5000	1	04/26/2018 22:27	WG1103510

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2840		102	1000	1	04/28/2018 18:00	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	4800		15.0	100	1	04/30/2018 15:58	WG1103346
Manganese	297		0.250	5.00	1	04/30/2018 15:58	WG1103346

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/30/2018 18:04	WG1104015
(S) a,a,a-Trifluorotoluene(FID)	*98.7*			*77.0-122*		*04/30/2018 18:04*	WG1104015

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	549		0.287	0.678	1	05/02/2018 11:28	WG1105380
Ethane	5.77		0.296	1.29	1	05/02/2018 11:28	WG1105380
Ethene	17.4		0.422	1.27	1	05/02/2018 11:28	WG1105380

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.72	J	1.05	25.0	1	04/27/2018 05:57	WG1103800
Acrylonitrile	U		0.873	5.00	1	04/27/2018 05:57	WG1103800
Benzene	U		0.0896	0.500	1	04/27/2018 05:57	WG1103800
Bromobenzene	U		0.133	0.500	1	04/27/2018 05:57	WG1103800
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 05:57	WG1103800
Bromochloromethane	U		0.145	0.500	1	04/27/2018 05:57	WG1103800
Bromoform	U		0.186	0.500	1	04/27/2018 05:57	WG1103800
Bromomethane	U		0.157	2.50	1	04/27/2018 05:57	WG1103800
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 05:57	WG1103800
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 05:57	WG1103800
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 05:57	WG1103800
Carbon disulfide	0.236	J	0.101	0.500	1	04/27/2018 05:57	WG1103800
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 05:57	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/27/2018 05:57	WG1103800
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 05:57	WG1103800
Chloroethane	U		0.141	2.50	1	04/27/2018 05:57	WG1103800
Chloroform	U		0.0860	0.500	1	04/27/2018 05:57	WG1103800
Chloromethane	U		0.153	1.25	1	04/27/2018 05:57	WG1103800
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 05:57	WG1103800
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 05:57	WG1103800
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 05:57	WG1103800
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 05:57	WG1103800
Dibromomethane	U		0.117	0.500	1	04/27/2018 05:57	WG1103800
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2018 05:57	WG1103800
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 05:57	WG1103800
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 05:57	WG1103800
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 05:57	WG1103800
1,1-Dichloroethane	U		0.114	0.500	1	04/27/2018 05:57	WG1103800
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 05:57	WG1103800
1,1-Dichloroethene	0.899		0.188	0.500	1	04/28/2018 11:39	WG1103800
cis-1,2-Dichloroethene	10.7		0.0933	0.500	1	04/28/2018 11:39	WG1103800
trans-1,2-Dichloroethene	0.315	J	0.152	0.500	1	04/27/2018 05:57	WG1103800
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 05:57	WG1103800
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 05:57	WG1103800
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 05:57	WG1103800
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 05:57	WG1103800
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 05:57	WG1103800
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 05:57	WG1103800
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 05:57	WG1103800
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 05:57	WG1103800
Ethylbenzene	U		0.158	0.500	1	04/27/2018 05:57	WG1103800
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 05:57	WG1103800
2-Hexanone	U		0.757	5.00	1	04/27/2018 05:57	WG1103800
n-Hexane	U		0.305	5.00	1	04/27/2018 05:57	WG1103800
Iodomethane	U		0.377	10.0	1	04/27/2018 05:57	WG1103800
Isopropylbenzene	U		0.126	0.500	1	04/27/2018 05:57	WG1103800
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 05:57	WG1103800
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2018 05:57	WG1103800
Methylene Chloride	U		1.07	2.50	1	04/27/2018 05:57	WG1103800
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 05:57	WG1103800
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 05:57	WG1103800
Naphthalene	0.739	J	0.174	2.50	1	04/27/2018 05:57	WG1103800
n-Propylbenzene	U		0.162	0.500	1	04/27/2018 05:57	WG1103800
Styrene	U		0.117	0.500	1	04/27/2018 05:57	WG1103800
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 05:57	WG1103800
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 05:57	WG1103800
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 05:57	WG1103800
Tetrachloroethene	0.646		0.199	0.500	1	04/28/2018 11:39	WG1103800
Toluene	0.837		0.412	0.500	1	04/27/2018 05:57	WG1103800
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 05:57	WG1103800
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 05:57	WG1103800
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 05:57	WG1103800
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 05:57	WG1103800
Trichloroethene	0.516		0.153	0.500	1	04/28/2018 11:39	WG1103800
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 05:57	WG1103800
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 05:57	WG1103800
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2018 05:57	WG1103800
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2018 05:57	WG1103800
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2018 05:57	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/27/2018 05:57	WG1103800
Vinyl chloride	3.51		0.118	0.500	1	04/28/2018 11:39	WG1103800
Xylenes, Total	U		0.316	1.50	1	04/27/2018 05:57	WG1103800
(S) Toluene-d8	*103*			*80.0-120*		*04/27/2018 05:57*	WG1103800
(S) Toluene-d8	*104*			*80.0-120*		*04/28/2018 11:39*	WG1103800
(S) Dibromofluoromethane	*99.2*			*76.0-123*		*04/28/2018 11:39*	WG1103800
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/27/2018 05:57*	WG1103800
(S) 4-Bromofluorobenzene	*90.3*			*80.0-120*		*04/27/2018 05:57*	WG1103800
(S) 4-Bromofluorobenzene	*91.6*			*80.0-120*		*04/28/2018 11:39*	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		21.0	500	20	04/27/2018 06:16	WG1103800
Acrylonitrile	U		17.5	100	20	04/27/2018 06:16	WG1103800
Benzene	U		1.79	10.0	20	04/27/2018 06:16	WG1103800
Bromobenzene	U		2.66	10.0	20	04/27/2018 06:16	WG1103800
Bromodichloromethane	U		1.60	10.0	20	04/27/2018 06:16	WG1103800
Bromochloromethane	U		2.90	10.0	20	04/27/2018 06:16	WG1103800
Bromoform	U		3.72	10.0	20	04/27/2018 06:16	WG1103800
Bromomethane	U		3.14	50.0	20	04/27/2018 06:16	WG1103800
n-Butylbenzene	U		2.86	10.0	20	04/27/2018 06:16	WG1103800
sec-Butylbenzene	U		2.68	10.0	20	04/27/2018 06:16	WG1103800
tert-Butylbenzene	U		3.66	10.0	20	04/27/2018 06:16	WG1103800
Carbon disulfide	U		2.02	10.0	20	04/27/2018 06:16	WG1103800
Carbon tetrachloride	U		3.18	10.0	20	04/27/2018 06:16	WG1103800
Chlorobenzene	U		2.80	10.0	20	04/27/2018 06:16	WG1103800
Chlorodibromomethane	U		2.56	10.0	20	04/27/2018 06:16	WG1103800
Chloroethane	U		2.82	50.0	20	04/27/2018 06:16	WG1103800
Chloroform	U		1.72	10.0	20	04/27/2018 06:16	WG1103800
Chloromethane	U		3.06	25.0	20	04/27/2018 06:16	WG1103800
2-Chlorotoluene	U		2.22	10.0	20	04/27/2018 06:16	WG1103800
4-Chlorotoluene	U		1.94	10.0	20	04/27/2018 06:16	WG1103800
1,2-Dibromo-3-Chloropropane	U		6.50	50.0	20	04/27/2018 06:16	WG1103800
1,2-Dibromoethane	U		3.86	10.0	20	04/27/2018 06:16	WG1103800
Dibromomethane	U		2.34	10.0	20	04/27/2018 06:16	WG1103800
1,2-Dichlorobenzene	U		2.02	10.0	20	04/27/2018 06:16	WG1103800
1,3-Dichlorobenzene	U		2.60	10.0	20	04/27/2018 06:16	WG1103800
1,4-Dichlorobenzene	U		2.42	10.0	20	04/27/2018 06:16	WG1103800
Dichlorodifluoromethane	U		2.54	50.0	20	04/27/2018 06:16	WG1103800
1,1-Dichloroethane	U		2.28	10.0	20	04/27/2018 06:16	WG1103800
1,2-Dichloroethane	U		2.16	10.0	20	04/27/2018 06:16	WG1103800
1,1-Dichloroethene	62.7		3.76	10.0	20	04/27/2018 06:16	WG1103800
cis-1,2-Dichloroethene	26600		46.6	250	500	04/28/2018 11:57	WG1103800
trans-1,2-Dichloroethene	128		3.04	10.0	20	04/27/2018 06:16	WG1103800
1,2-Dichloropropane	U		3.80	10.0	20	04/27/2018 06:16	WG1103800
1,1-Dichloropropene	U		2.56	10.0	20	04/27/2018 06:16	WG1103800
1,3-Dichloropropane	U		2.94	20.0	20	04/27/2018 06:16	WG1103800
cis-1,3-Dichloropropene	U		1.95	10.0	20	04/27/2018 06:16	WG1103800
trans-1,3-Dichloropropene	U		4.44	10.0	20	04/27/2018 06:16	WG1103800
trans-1,4-Dichloro-2-butene	U		5.14	100	20	04/27/2018 06:16	WG1103800
2,2-Dichloropropane	U		1.86	10.0	20	04/27/2018 06:16	WG1103800
Di-isopropyl ether	U		1.85	10.0	20	04/27/2018 06:16	WG1103800
Ethylbenzene	U		3.16	10.0	20	04/27/2018 06:16	WG1103800
Hexachloro-1,3-butadiene	U		3.14	20.0	20	04/27/2018 06:16	WG1103800
2-Hexanone	U		15.1	100	20	04/27/2018 06:16	WG1103800
n-Hexane	U		6.10	100	20	04/27/2018 06:16	WG1103800
Iodomethane	U		7.54	200	20	04/27/2018 06:16	WG1103800
Isopropylbenzene	U		2.52	10.0	20	04/27/2018 06:16	WG1103800
p-Isopropyltoluene	U		2.76	10.0	20	04/27/2018 06:16	WG1103800
2-Butanone (MEK)	U		25.6	100	20	04/27/2018 06:16	WG1103800
Methylene Chloride	U		21.4	50.0	20	04/27/2018 06:16	WG1103800
4-Methyl-2-pentanone (MIBK)	U		16.5	100	20	04/27/2018 06:16	WG1103800
Methyl tert-butyl ether	U		2.04	10.0	20	04/27/2018 06:16	WG1103800
Naphthalene	U		3.48	50.0	20	04/27/2018 06:16	WG1103800
n-Propylbenzene	U		3.24	10.0	20	04/27/2018 06:16	WG1103800
Styrene	U		2.34	10.0	20	04/27/2018 06:16	WG1103800
1,1,1,2-Tetrachloroethane	U		2.40	10.0	20	04/27/2018 06:16	WG1103800
1,1,2,2-Tetrachloroethane	U		2.60	10.0	20	04/27/2018 06:16	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		3.28	10.0	20	04/27/2018 06:16	WG1103800
Tetrachloroethene	62600		99.5	250	500	04/28/2018 11:57	WG1103800
Toluene	17.7		8.24	10.0	20	04/27/2018 06:16	WG1103800
1,2,3-Trichlorobenzene	U		3.28	10.0	20	04/27/2018 06:16	WG1103800
1,2,4-Trichlorobenzene	U		7.10	10.0	20	04/27/2018 06:16	WG1103800
1,1,1-Trichloroethane	U		1.88	10.0	20	04/27/2018 06:16	WG1103800
1,1,2-Trichloroethane	U		3.72	10.0	20	04/27/2018 06:16	WG1103800
Trichloroethene	6000		76.5	250	500	04/28/2018 11:57	WG1103800
Trichlorofluoromethane	U		2.60	50.0	20	04/27/2018 06:16	WG1103800
1,2,3-Trichloropropane	U		4.94	50.0	20	04/27/2018 06:16	WG1103800
1,2,4-Trimethylbenzene	5.42	J	2.46	10.0	20	04/27/2018 06:16	WG1103800
1,2,3-Trimethylbenzene	U		1.48	10.0	20	04/27/2018 06:16	WG1103800
1,3,5-Trimethylbenzene	U		2.48	10.0	20	04/27/2018 06:16	WG1103800
Vinyl acetate	U	J0	12.9	100	20	04/27/2018 06:16	WG1103800
Vinyl chloride	9680		59.0	250	500	04/28/2018 11:57	WG1103800
Xylenes, Total	U		6.32	30.0	20	04/27/2018 06:16	WG1103800
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 11:57*	WG1103800
(S) Toluene-d8	*101*			*80.0-120*		*04/27/2018 06:16*	WG1103800
(S) Dibromofluoromethane	*106*			*76.0-123*		*04/27/2018 06:16*	WG1103800
(S) Dibromofluoromethane	*98.1*			*76.0-123*		*04/28/2018 11:57*	WG1103800
(S) 4-Bromofluorobenzene	*91.4*			*80.0-120*		*04/27/2018 06:16*	WG1103800
(S) 4-Bromofluorobenzene	*91.8*			*80.0-120*		*04/28/2018 11:57*	WG1103800

Sample Narrative:

L988839-05 WG1103800: Cannot be analyzed at a lower dilution due to high levels of target analytes.

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	160000		2710	20000	1	04/30/2018 15:21	WG1104061

Sample Narrative:

L988839-06 WG1104061: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	4990		51.9	1000	1	04/26/2018 22:43	WG1103510
Nitrate	31.5	J	22.7	100	1	04/26/2018 22:43	WG1103510
Sulfate	880	J	77.4	5000	1	04/26/2018 22:43	WG1103510

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1940		102	1000	1	04/27/2018 21:54	WG1103755

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	9600		15.0	100	1	04/30/2018 16:03	WG1103346
Manganese	414		0.250	5.00	1	04/30/2018 16:03	WG1103346

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/30/2018 18:26	WG1104015
(S) a,a,a-Trifluorotoluene(FID)	*97.8*			*77.0-122*		*04/30/2018 18:26*	WG1104015

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	561		0.287	0.678	1	05/02/2018 11:31	WG1105380
Ethane	U		0.296	1.29	1	05/02/2018 11:31	WG1105380
Ethene	U		0.422	1.27	1	05/02/2018 11:31	WG1105380

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.43	J	1.05	25.0	1	04/27/2018 06:34	WG1103800
Acrylonitrile	U		0.873	5.00	1	04/27/2018 06:34	WG1103800
Benzene	U		0.0896	0.500	1	04/27/2018 06:34	WG1103800
Bromobenzene	U		0.133	0.500	1	04/27/2018 06:34	WG1103800
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 06:34	WG1103800
Bromochloromethane	U		0.145	0.500	1	04/27/2018 06:34	WG1103800
Bromoform	U		0.186	0.500	1	04/27/2018 06:34	WG1103800
Bromomethane	U		0.157	2.50	1	04/27/2018 06:34	WG1103800
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 06:34	WG1103800
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 06:34	WG1103800
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 06:34	WG1103800
Carbon disulfide	U		0.101	0.500	1	04/27/2018 06:34	WG1103800
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 06:34	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/27/2018 06:34	WG1103800
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 06:34	WG1103800
Chloroethane	U		0.141	2.50	1	04/27/2018 06:34	WG1103800
Chloroform	U		0.0860	0.500	1	04/27/2018 06:34	WG1103800
Chloromethane	U		0.153	1.25	1	04/27/2018 06:34	WG1103800
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 06:34	WG1103800
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 06:34	WG1103800
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 06:34	WG1103800
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 06:34	WG1103800
Dibromomethane	U		0.117	0.500	1	04/27/2018 06:34	WG1103800
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2018 06:34	WG1103800
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 06:34	WG1103800
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 06:34	WG1103800
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 06:34	WG1103800
1,1-Dichloroethane	U		0.114	0.500	1	04/27/2018 06:34	WG1103800
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 06:34	WG1103800
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2018 06:34	WG1103800
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/28/2018 12:16	WG1103800
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2018 06:34	WG1103800
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 06:34	WG1103800
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 06:34	WG1103800
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 06:34	WG1103800
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 06:34	WG1103800
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 06:34	WG1103800
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 06:34	WG1103800
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 06:34	WG1103800
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 06:34	WG1103800
Ethylbenzene	U		0.158	0.500	1	04/27/2018 06:34	WG1103800
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 06:34	WG1103800
2-Hexanone	U		0.757	5.00	1	04/27/2018 06:34	WG1103800
n-Hexane	U		0.305	5.00	1	04/27/2018 06:34	WG1103800
Iodomethane	U		0.377	10.0	1	04/27/2018 06:34	WG1103800
Isopropylbenzene	U		0.126	0.500	1	04/27/2018 06:34	WG1103800
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 06:34	WG1103800
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2018 06:34	WG1103800
Methylene Chloride	U		1.07	2.50	1	04/27/2018 06:34	WG1103800
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 06:34	WG1103800
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 06:34	WG1103800
Naphthalene	U		0.174	2.50	1	04/27/2018 06:34	WG1103800
n-Propylbenzene	U		0.162	0.500	1	04/27/2018 06:34	WG1103800
Styrene	U		0.117	0.500	1	04/27/2018 06:34	WG1103800
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 06:34	WG1103800
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 06:34	WG1103800
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 06:34	WG1103800
Tetrachloroethene	0.352	J	0.199	0.500	1	04/28/2018 12:16	WG1103800
Toluene	U		0.412	0.500	1	04/27/2018 06:34	WG1103800
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 06:34	WG1103800
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 06:34	WG1103800
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 06:34	WG1103800
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 06:34	WG1103800
Trichloroethene	U		0.153	0.500	1	04/28/2018 12:16	WG1103800
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 06:34	WG1103800
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 06:34	WG1103800
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2018 06:34	WG1103800
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2018 06:34	WG1103800
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2018 06:34	WG1103800

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U	J0	0.645	5.00	1	04/27/2018 06:34	WG1103800
Vinyl chloride	U		0.118	0.500	1	04/28/2018 12:16	WG1103800
Xylenes, Total	U		0.316	1.50	1	04/27/2018 06:34	WG1103800
(S) Toluene-d8	*103*			*80.0-120*		*04/27/2018 06:34*	WG1103800
(S) Toluene-d8	*104*			*80.0-120*		*04/28/2018 12:16*	WG1103800
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/28/2018 12:16*	WG1103800
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/27/2018 06:34*	WG1103800
(S) 4-Bromofluorobenzene	*90.9*			*80.0-120*		*04/27/2018 06:34*	WG1103800
(S) 4-Bromofluorobenzene	*92.0*			*80.0-120*		*04/28/2018 12:16*	WG1103800

L988809-06 Original Sample (OS) • Duplicate (DUP)

(OS) L988809-06 04/30/18 11:26 • (DUP) R3306113-1 04/30/18 11:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	169000	172000	1	1.54		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L988839-06 Original Sample (OS) • Duplicate (DUP)

(OS) L988839-06 04/30/18 15:21 • (DUP) R3306113-7 04/30/18 15:29

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	160000	161000	1	0.717		20

Sample Narrative:

OS: Endpoint pH 4.5

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306113-5 04/30/18 13:31 • (LCSD) R3306113-6 04/30/18 15:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	97300	99200	97.3	99.2	85.0-115			1.92	20

Sample Narrative:

LCS: Endpoint pH 4.5

LCSD: Endpoint pH 4.5

Method Blank (MB)

(MB) R3305321-1 04/26/18 12:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L988839-01 Original Sample (OS) • Duplicate (DUP)

(OS) L988839-01 04/26/18 18:41 • (DUP) R3305321-4 04/26/18 19:27

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	21900	23200	1	5.82		15
Nitrate	658	0.000	1	200	J3	15
Sulfate	2210	2470	1	10.7	J	15

L988850-06 Original Sample (OS) • Duplicate (DUP)

(OS) L988850-06 04/27/18 03:20 • (DUP) R3305321-6 04/27/18 03:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	0.000	1	0.000		15
Nitrate	ND	0.000	1	0.000		15
Sulfate	ND	0.000	1	0.000		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305321-2 04/26/18 12:28 • (LCSD) R3305321-3 04/26/18 12:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	40000	39200	39300	98.1	98.1	80.0-120			0.0729	15
Nitrate	8000	8100	8100	101	101	80.0-120			0.0284	15
Sulfate	40000	40100	40200	100	100	80.0-120			0.0540	15

L988850-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L988850-06 04/27/18 03:20 • (MS) R3305321-7 04/27/18 03:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	ND	50200	100	1	80.0-120	
Nitrate	5000	ND	4930	98.7	1	80.0-120	
Sulfate	50000	ND	50700	101	1	80.0-120	

L988839-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988839-01 04/26/18 18:41 • (MS) R3305321-8 04/27/18 12:23 • (MSD) R3305321-5 04/26/18 21:41

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	21900	73100	72300	102	101	1	80.0-120			1.05	15
Nitrate	5000	658	4990	4970	86.7	86.3	1	80.0-120			0.437	15
Sulfate	50000	2210	53300	52300	102	100	1	80.0-120			1.78	15

Method Blank (MB)

(MB) R3307205-1 05/04/18 13:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Nitrate	U		22.7	100

L990980-01 Original Sample (OS) • Duplicate (DUP)

(OS) L990980-01 05/04/18 15:58 • (DUP) R3307205-4 05/04/18 16:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	U	0.000	1	0.000		15

L991053-02 Original Sample (OS) • Duplicate (DUP)

(OS) L991053-02 05/05/18 00:07 • (DUP) R3307205-7 05/05/18 00:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Nitrate	77.2	83.5	1	7.84	J	15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3307205-2 05/04/18 13:20 • (LCSD) R3307205-3 05/04/18 13:35

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Nitrate	8000	8110	8120	101	102	80.0-120			0.152	15

L990980-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L990980-01 05/04/18 15:58 • (MS) R3307205-5 05/04/18 16:29 • (MSD) R3307205-6 05/04/18 16:44

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Nitrate	5000	U	4610	4640	92.3	92.8	1	80.0-120			0.497	15

L991053-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L991053-02 05/05/18 00:07 • (MS) R3307205-8 05/05/18 00:38

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Nitrate	5000	77.2	5000	98.5	1	80.0-120	

Method Blank (MB)

(MB) R3305483-1 04/27/18 08:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	146	J	102	1000

L988831-01 Original Sample (OS) • Duplicate (DUP)

(OS) L988831-01 04/27/18 20:26 • (DUP) R3305483-7 04/27/18 20:45

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	5550	5930	1	6.57		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305483-2 04/27/18 10:02 • (LCSD) R3305483-4 04/27/18 15:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	75000	73300	74100	97.8	98.8	85.0-115			1.06	20

L988809-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988809-03 04/27/18 16:41 • (MS) R3305483-5 04/27/18 16:57 • (MSD) R3305483-6 04/27/18 17:13

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	50000	2520	50700	51400	96.3	97.7	1	80.0-120			1.37	20

Method Blank (MB)

(MB) R3305598-1 04/28/18 14:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	U		102	1000

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305598-2 04/28/18 16:10 • (LCSD) R3305598-3 04/28/18 18:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	75000	72500	72300	96.7	96.4	85.0-115			0.290	20

Method Blank (MB)

(MB) R3305900-1 04/30/18 13:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	U		0.250	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305900-2 04/30/18 13:59 • (LCSD) R3305900-3 04/30/18 14:03

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	5000	5400	5430	108	109	80.0-120			0.454	20
Manganese	50.0	50.7	51.4	101	103	80.0-120			1.25	20

L988658-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988658-01 04/30/18 14:08 • (MS) R3305900-5 04/30/18 14:17 • (MSD) R3305900-6 04/30/18 14:22

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	86.3	5310	5520	104	109	1	75.0-125			3.88	20
Manganese	50.0	95.0	117	124	44.8	57.7	1	75.0-125	J6	J6	5.34	20

Method Blank (MB)

(MB) R3305623-5 04/27/18 11:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305623-3 04/27/18 10:46 • (LCSD) R3305623-4 04/27/18 11:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	5670	5610	103	102	72.0-134			0.985	20
(S) a,a,a-Trifluorotoluene(FID)				*116*	*115*	*77.0-122*				

L989050-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L989050-05 04/27/18 17:50 • (MS) R3305623-8 04/27/18 21:03 • (MSD) R3305623-9 04/27/18 21:27

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	138	4110	4320	72.2	76.1	1	23.0-159			5.05	20
(S) a,a,a-Trifluorotoluene(FID)					*111*	*113*		*77.0-122*				

Method Blank (MB)

(MB) R3306791-1 05/02/18 10:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L988782-09 Original Sample (OS) • Duplicate (DUP)

(OS) L988782-09 05/02/18 10:44 • (DUP) R3306791-2 05/02/18 11:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	U	0.000	1	0.000		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

L989125-01 Original Sample (OS) • Duplicate (DUP)

(OS) L989125-01 05/02/18 11:47 • (DUP) R3306791-3 05/02/18 11:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306791-4 05/02/18 11:52 • (LCSD) R3306791-5 05/02/18 11:55

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	73.2	69.9	108	103	85.0-115			4.65	20
Ethane	129	115	117	89.1	91.0	85.0-115			2.07	20
Ethene	127	117	119	92.3	93.6	85.0-115			1.43	20

Method Blank (MB)

(MB) R3305391-2 04/26/18 20:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3305391-2 04/26/18 20:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	0.251	J	0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	0.187	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*99.8*			*80.0-120*
(S) Dibromofluoromethane	*103*			*76.0-123*
(S) 4-Bromofluorobenzene	*92.0*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3305391-1 04/26/18 19:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	127	101	10.0-160	
Acrylonitrile	125	116	92.6	60.0-142	
Benzene	25.0	23.6	94.2	69.0-123	
Bromobenzene	25.0	22.1	88.6	79.0-120	
Bromodichloromethane	25.0	23.5	93.8	76.0-120	
Bromochloromethane	25.0	23.2	92.7	76.0-122	
Bromoform	25.0	22.5	89.9	67.0-132	
Bromomethane	25.0	26.1	104	18.0-160	
n-Butylbenzene	25.0	24.0	96.1	72.0-126	
sec-Butylbenzene	25.0	24.5	98.0	74.0-121	
tert-Butylbenzene	25.0	23.9	95.7	75.0-122	
Carbon disulfide	25.0	23.9	95.7	55.0-127	
Carbon tetrachloride	25.0	22.2	88.7	63.0-122	
Chlorobenzene	25.0	24.1	96.4	79.0-121	
Chlorodibromomethane	25.0	23.7	95.0	75.0-125	
Chloroethane	25.0	25.8	103	47.0-152	
Chloroform	25.0	23.5	94.0	72.0-121	
Chloromethane	25.0	25.8	103	48.0-139	
2-Chlorotoluene	25.0	23.0	92.1	74.0-122	
4-Chlorotoluene	25.0	23.0	91.9	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	24.2	96.8	64.0-127	
1,2-Dibromoethane	25.0	23.8	95.1	77.0-123	
Dibromomethane	25.0	23.8	95.1	78.0-120	
1,2-Dichlorobenzene	25.0	23.3	93.1	80.0-120	
1,3-Dichlorobenzene	25.0	23.5	93.9	72.0-123	
1,4-Dichlorobenzene	25.0	23.4	93.8	77.0-120	
Dichlorodifluoromethane	25.0	23.2	92.6	49.0-155	
1,1-Dichloroethane	25.0	24.1	96.4	70.0-126	
1,2-Dichloroethane	25.0	23.4	93.8	67.0-126	
1,1-Dichloroethene	25.0	23.5	94.1	64.0-129	
cis-1,2-Dichloroethene	25.0	22.8	91.2	73.0-120	
trans-1,2-Dichloroethene	25.0	23.1	92.5	71.0-121	
1,2-Dichloropropane	25.0	24.0	95.9	75.0-125	
1,1-Dichloropropene	25.0	24.3	97.2	71.0-129	
1,3-Dichloropropane	25.0	24.5	98.1	80.0-121	
cis-1,3-Dichloropropene	25.0	24.5	98.2	79.0-123	
trans-1,3-Dichloropropene	25.0	24.3	97.1	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	22.8	91.2	55.0-134	
2,2-Dichloropropane	25.0	21.5	86.0	60.0-125	
Di-isopropyl ether	25.0	24.3	97.1	59.0-133	

Laboratory Control Sample (LCS)

(LCS) R3305391-1 04/26/18 19:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	25.0	24.3	97.2	77.0-120	
Hexachloro-1,3-butadiene	25.0	25.2	101	64.0-131	
2-Hexanone	125	128	103	58.0-147	
n-Hexane	25.0	22.0	88.2	56.0-124	
Iodomethane	125	120	96.0	57.0-140	
Isopropylbenzene	25.0	23.4	93.5	75.0-120	
p-Isopropyltoluene	25.0	24.4	97.7	74.0-126	
2-Butanone (MEK)	125	123	98.6	37.0-158	
Methylene Chloride	25.0	22.8	91.3	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	124	99.1	59.0-143	
Methyl tert-butyl ether	25.0	22.3	89.4	64.0-123	
Naphthalene	25.0	24.5	98.2	62.0-128	
n-Propylbenzene	25.0	22.9	91.7	79.0-120	
Styrene	25.0	22.6	90.4	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	24.1	96.6	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	21.1	84.4	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	24.4	97.8	61.0-136	
Tetrachloroethene	25.0	24.1	96.5	70.0-127	
Toluene	25.0	23.9	95.6	77.0-120	
1,2,3-Trichlorobenzene	25.0	24.5	98.1	61.0-133	
1,2,4-Trichlorobenzene	25.0	24.7	98.8	69.0-129	
1,1,1-Trichloroethane	25.0	23.9	95.5	68.0-122	
1,1,2-Trichloroethane	25.0	23.1	92.6	78.0-120	
Trichloroethene	25.0	24.8	99.1	78.0-120	
Trichlorofluoromethane	25.0	25.4	102	56.0-137	
1,2,3-Trichloropropane	25.0	22.9	91.6	72.0-124	
1,2,4-Trimethylbenzene	25.0	23.7	94.6	75.0-120	
1,2,3-Trimethylbenzene	25.0	24.4	97.5	75.0-120	
1,3,5-Trimethylbenzene	25.0	23.2	92.8	75.0-120	
Vinyl acetate	125	82.8	66.3	46.0-160	
Vinyl chloride	25.0	26.9	108	64.0-133	
Xylenes, Total	75.0	72.1	96.1	77.0-120	
(S) Toluene-d8			*104*	*80.0-120*	
(S) Dibromofluoromethane			*96.9*	*76.0-123*	
(S) 4-Bromofluorobenzene			*94.8*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
Q	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

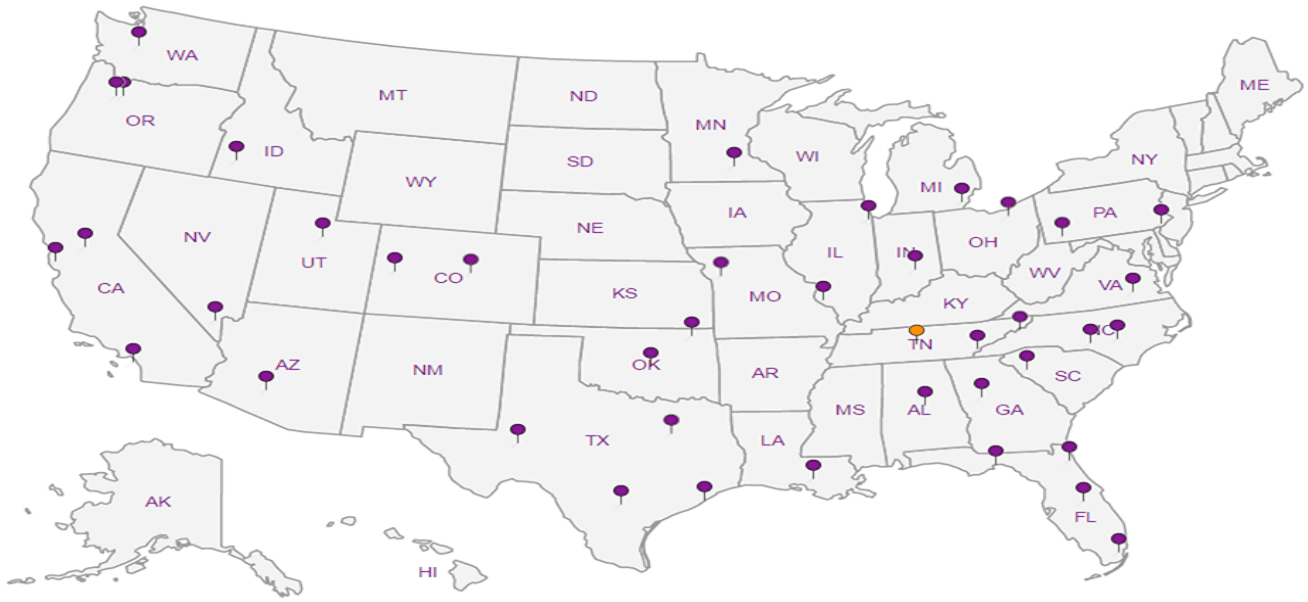
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	*NO3,SO4,Cl,Alk* 250mlHDPE-NoPres	NWTPHGX 40mlAmb HCl	RSK175LL (EEM) 40mlAmb-HCl	TOC 250mlAmb-HCl	Total Fe Mn 6020 250mlHDPE-HNO3	V8260LLC VOCs 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-139-042518	Grab	GW		4/25/18	0836	11	X	X	X	X	X	X		-01
MW-135-042518		GW		4/25/18	0950	11	X	X	X	X	X	X		02
IW-13C-042518		GW		4/25/18	~~1129~~	3						X		03
MW-133-042518		GW		4/25/18	1129	11	X	X	X	X	X	X		04
IW-223-042518		GW		4/25/18	1309	3						X		05
MW102-042518		GW		4/25/18	1505	11	X	X	X	X	X	X		06
		GW												

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

ESC LABORATORIES
a subsidiary of Accelerated

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L988839

E169

Acctnum: PESENVSWA

Template: T134175

Prelogin: P645197

TSR: 110 - Brian Ford

PB: 3-22-18 CS

Shipped Via: FedEX Ground

Immediately Packed on Ice N ___ Y X

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ____

Remarks: *Nitrate has a 48 hour hold time*

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS X FedEx __ Courier __ ____

Tracking # 4963 258 8003

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: X Y __N
Preservation Correct/Checked: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.4 °C Bottles Received: 50	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/26/18 Time: 845	Hold: Condition: NCF / OK

From: Brian Ford
To: Shannon E. McKernan
Cc: Bill Haldeman
Subject: RE: Elevated NWTPH-Gx Sample Request
Date: June 6, 2018 1:18:29 PM
Attachments: image001.png
L995641 NWTPHGX.PDF
L995641 V8260LLC.PDF
L989149 NWTPHGX.PDF
L989149 V8260LLC.PDF
L988839 NWTPHGX.PDF
L988839 V8260LLC.PDF
L984615 NWTPHGX.PDF
L984615 V8260LLC.PDF

Shannon,

Yes, it appears that the CVOCs are the main contribution to the GX detections in these samples. CVOCs are considered part of the gasoline range organics. I have attached the chromatograms.

Thanks,

Brian Ford
Technical Service Representative
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772
bford@esclabsciences.com | www.esclabsciences.com

From: Shannon E. McKernan [mailto:SMcKernan@pesenv.com]
Sent: Wednesday, June 6, 2018 12:37 PM
To: Brian Ford
Cc: Bill Haldeman
Subject: Elevated NWTPH-Gx Sample Request

Hi Brian-

We have several groundwater samples with results from our American Linen project that show elevated NWTPH-Gx results. We would like to confirm if the concentrations are indeed high or if they could be biased high due to elevated CVOC concentrations. We've had several in the past that you confirmed this is likely the case to be. The samples are:

1. L984615
    a. -04
    b. -06
    c. -07
2. L988839

    a. -02 (previously reported high, indicated high CVOC interference with NWTPH-Gx chromatographic profile)
2. L989149
    a. -02
    b. -03
3. L995641
    a. -06 (previously reported high, indicated high CVOC interference with NWTPH-Gx chromatographic profile)

Thanks for checking these!

Shannon McKernan
Staff Geologist

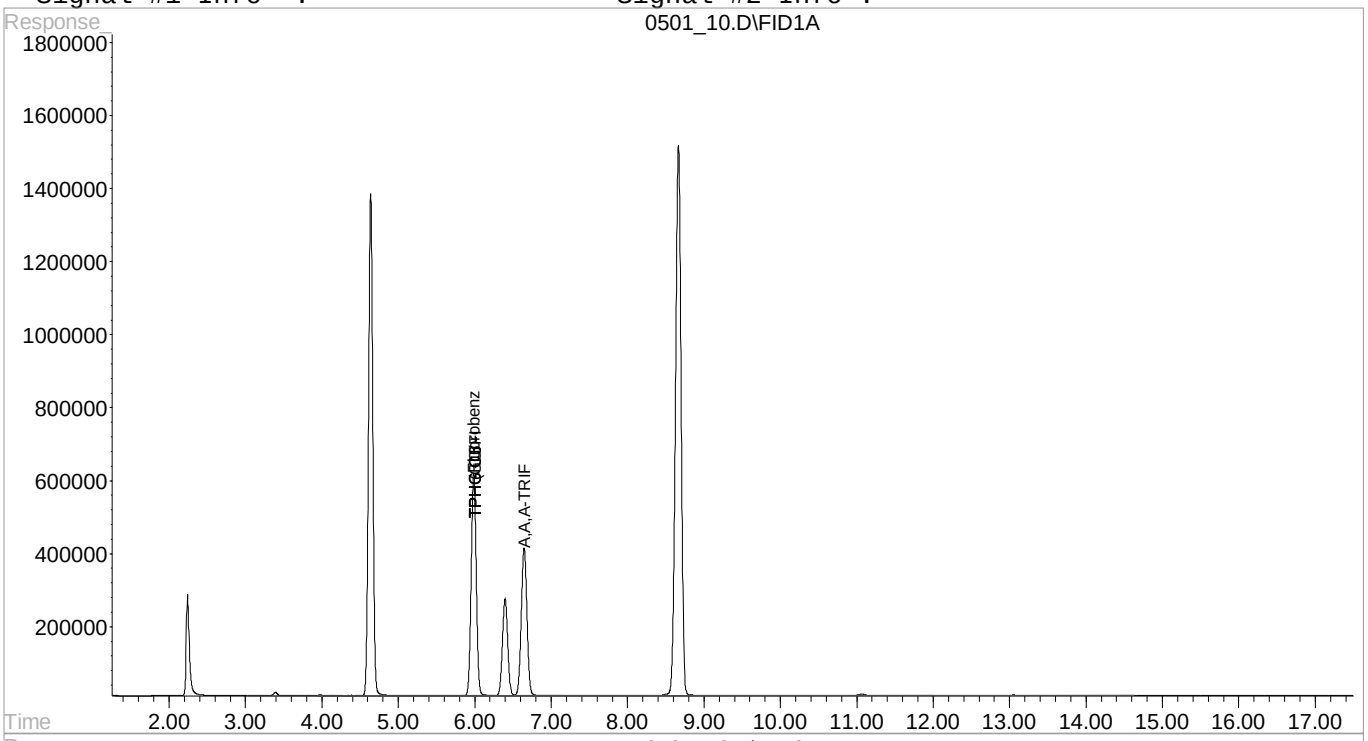
PES Environmental, Inc.

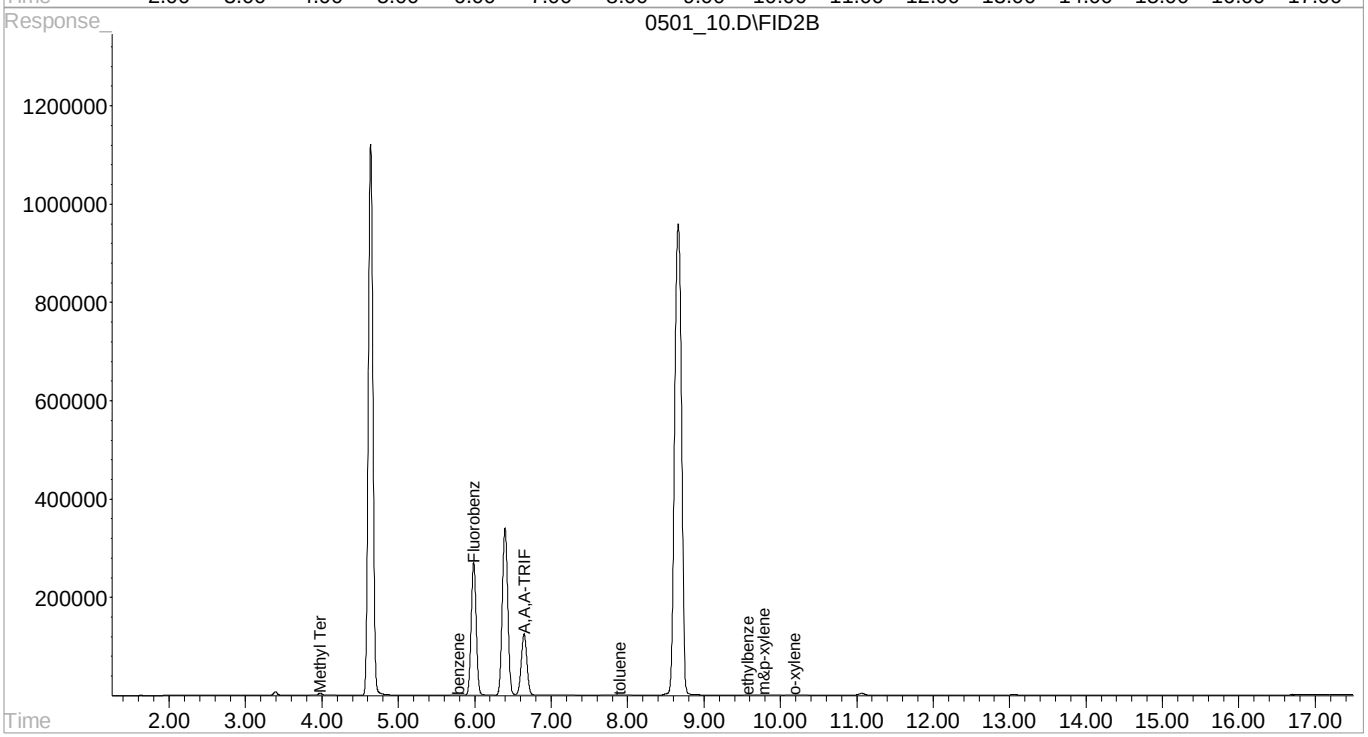
1215 4th Avenue, Suite 1350
Seattle, WA 98161
Phone: (206) 529-3980, Ext. #111
Fax: (206) 529-3985
Cell: (813) 777-7575
Email: smckernan@pesenv.com

Signal #1 : C:\HPCHEM\1\DATA\050118\0501_10.D\FID1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA\050118\0501_10.D\FID2B.CH
Acq On : 1 May 2018 8:03 pm Operator: 621
Sample : L988839-02 25x WG1104015 RE Inst : VOCGC3
Misc : soil Multiplr: 25.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: May 2 9:17 2018 Quant Results File: BG03D09R.RES

Quant Method : C:\HPCHEM\1\METHODS\BG03D09R.M (Chemstation Integrator)
Title : WIS GRO VOCGC03
Last Update : Tue Apr 10 08:39:07 2018
Response via : Single Level Calibration
DataAcq Meth : BTEXGRO.M

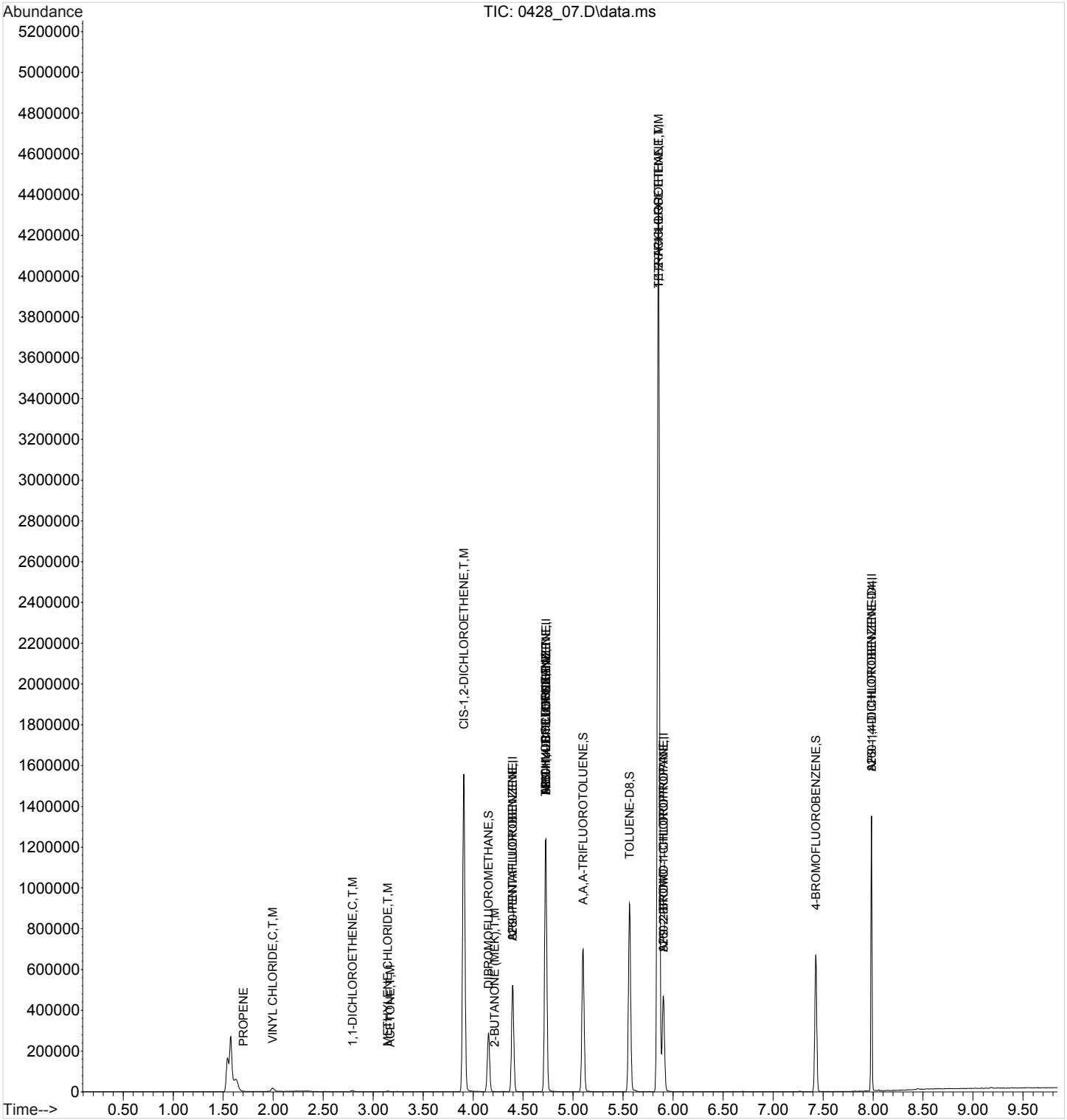
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





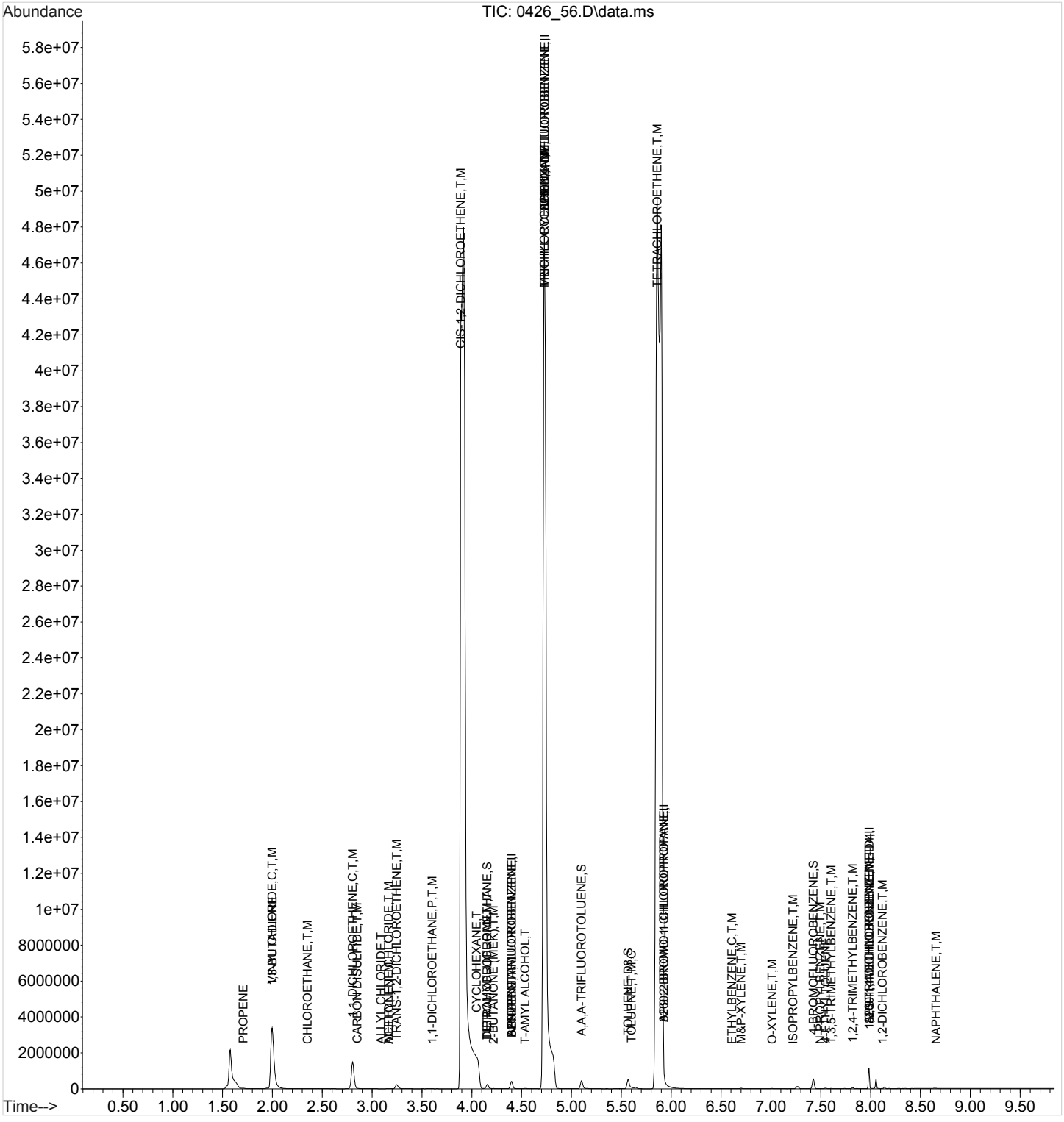
Data Path : C:\msdchem\1\data\042818\
Data File : 0428_07.D
Acq On : 28 Apr 2018 11:01 am
Operator : 189
Sample : L988839-02 200x WG1103800 RE
Misc : water
ALS Vial : 7 Sample Multiplier: 200
InstName : VOCMS38

Quant Time: May 01 17:04:50 2018
Quant Method : C:\msdchem\1\methods\V838D19R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS38
QLast Update : Thu Apr 19 11:25:17 2018
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\042618\
Data File : 0426_56.D
Acq On : 27 Apr 2018 5:20 am
Operator : 189
Sample : L988839-02 1x WG1103800
Misc : water
ALS Vial : 56 Sample Multiplier: 1
InstName : VOCMS38

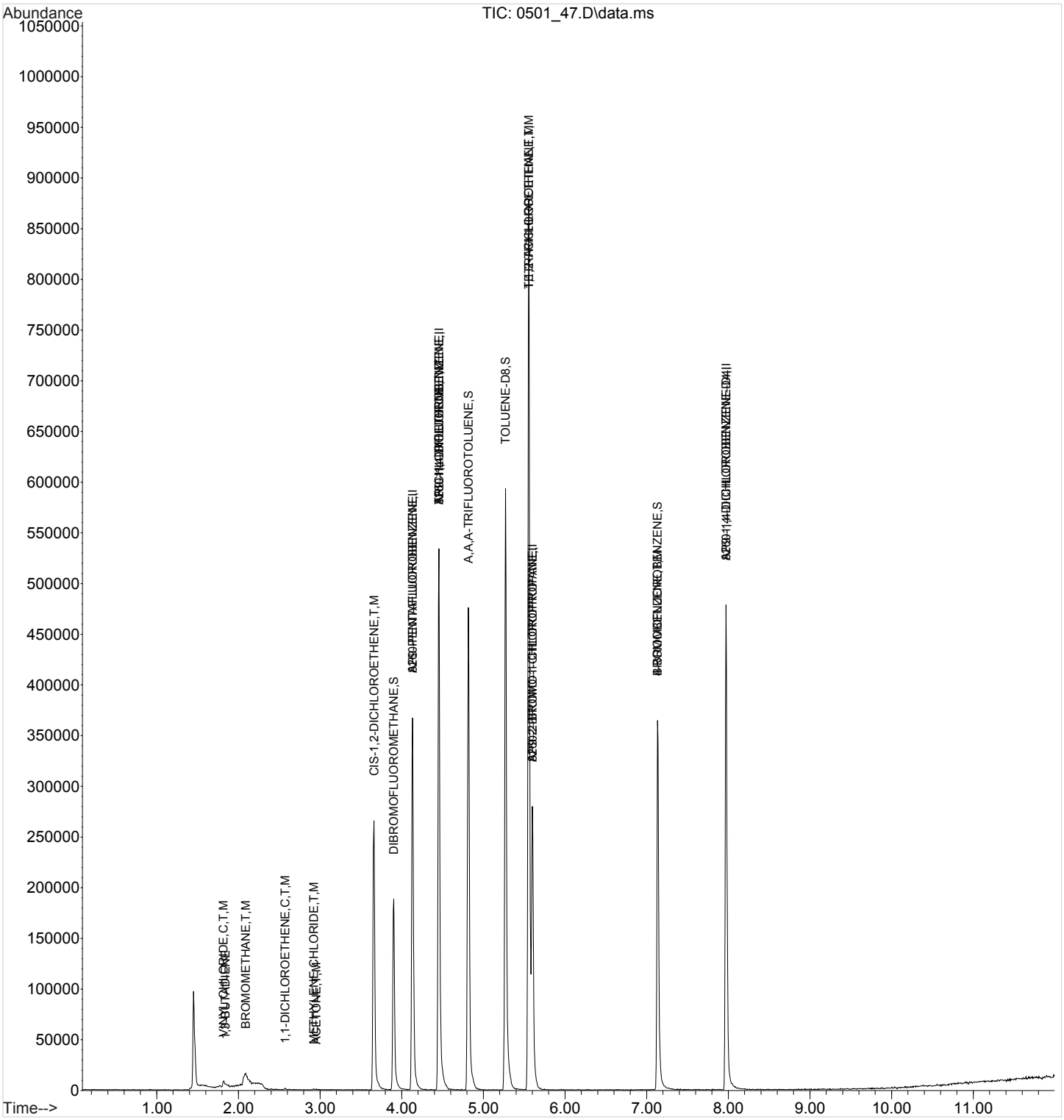
Quant Time: Apr 27 16:31:52 2018
Quant Method : C:\msdchem\1\methods\V838D19R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS38
QLast Update : Thu Apr 19 11:25:17 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050118\
Data File : 0501_47.D
Acq On : 2 May 2018 4:19 am
Operator : 605
Sample : L988839-02 1000x WG1103800 RE
Misc : water
ALS Vial : 47 Sample Multiplier: 1000
InstName : VOCMS30

Quant Time: May 02 13:43:49 2018
Quant Method : C:\msdchem\1\methods\V830C27R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS30
QLast Update : Tue Mar 27 10:53:11 2018
Response via : Initial Calibration



Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	212000		2710	20000	1	04/30/2018 14:35	WG1104061

Sample Narrative:

L988839-01 WG1104061: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	21900		51.9	1000	1	04/26/2018 18:41	WG1103510
Nitrate	U R	Q	22.7	100	1	05/04/2018 15:12	WG1106988
Sulfate	2210 J	J	77.4	5000	1	04/26/2018 18:41	WG1103510

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	28500		1020	10000	10	04/27/2018 21:19	WG1103755

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1130		15.0	100	1	04/30/2018 15:49	WG1103346
Manganese	251		0.250	5.00	1	04/30/2018 15:49	WG1103346

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/27/2018 14:39	WG1104015
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-122*		*04/27/2018 14:39*	WG1104015

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4280		0.287	0.678	1	05/02/2018 11:22	WG1105380
Ethane	8.04		0.296	1.29	1	05/02/2018 11:22	WG1105380
Ethene	U		0.422	1.27	1	05/02/2018 11:22	WG1105380

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	4.71 J	J	1.05	25.0	1	04/27/2018 05:01	WG1103800
Acrylonitrile	U		0.873	5.00	1	04/27/2018 05:01	WG1103800
Benzene	U		0.0896	0.500	1	04/27/2018 05:01	WG1103800
Bromobenzene	U		0.133	0.500	1	04/27/2018 05:01	WG1103800
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 05:01	WG1103800
Bromochloromethane	U		0.145	0.500	1	04/27/2018 05:01	WG1103800
Bromoform	U		0.186	0.500	1	04/27/2018 05:01	WG1103800
Bromomethane	U		0.157	2.50	1	04/27/2018 05:01	WG1103800
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 05:01	WG1103800
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 05:01	WG1103800
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 05:01	WG1103800
Carbon disulfide	U		0.101	0.500	1	04/27/2018 05:01	WG1103800
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 05:01	WG1103800

JC 6/8/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/27/2018 05:01	WG1103800
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 05:01	WG1103800
Chloroethane	U		0.141	2.50	1	04/27/2018 05:01	WG1103800
Chloroform	U		0.0860	0.500	1	04/27/2018 05:01	WG1103800
Chloromethane	U		0.153	1.25	1	04/27/2018 05:01	WG1103800
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 05:01	WG1103800
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 05:01	WG1103800
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 05:01	WG1103800
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 05:01	WG1103800
Dibromomethane	U		0.117	0.500	1	04/27/2018 05:01	WG1103800
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2018 05:01	WG1103800
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 05:01	WG1103800
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 05:01	WG1103800
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 05:01	WG1103800
1,1-Dichloroethane	U		0.114	0.500	1	04/27/2018 05:01	WG1103800
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 05:01	WG1103800
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2018 05:01	WG1103800
cis-1,2-Dichloroethene	0.175	J J	0.0933	0.500	1	04/27/2018 05:01	WG1103800
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2018 05:01	WG1103800
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 05:01	WG1103800
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 05:01	WG1103800
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 05:01	WG1103800
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 05:01	WG1103800
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 05:01	WG1103800
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 05:01	WG1103800
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 05:01	WG1103800
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 05:01	WG1103800
Ethylbenzene	U		0.158	0.500	1	04/27/2018 05:01	WG1103800
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 05:01	WG1103800
2-Hexanone	U		0.757	5.00	1	04/27/2018 05:01	WG1103800
n-Hexane	U		0.305	5.00	1	04/27/2018 05:01	WG1103800
Iodomethane	U		0.377	10.0	1	04/27/2018 05:01	WG1103800
Isopropylbenzene	U		0.126	0.500	1	04/27/2018 05:01	WG1103800
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 05:01	WG1103800
2-Butanone (MEK)	2.67	J J	1.28	5.00	1	04/27/2018 05:01	WG1103800
Methylene Chloride	U		1.07	2.50	1	04/27/2018 05:01	WG1103800
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 05:01	WG1103800
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 05:01	WG1103800
Naphthalene	U		0.174	2.50	1	04/27/2018 05:01	WG1103800
n-Propylbenzene	U		0.162	0.500	1	04/27/2018 05:01	WG1103800
Styrene	U		0.117	0.500	1	04/27/2018 05:01	WG1103800
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 05:01	WG1103800
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 05:01	WG1103800
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 05:01	WG1103800
Tetrachloroethene	U		0.199	0.500	1	04/27/2018 05:01	WG1103800
Toluene	U		0.412	0.500	1	04/27/2018 05:01	WG1103800
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 05:01	WG1103800
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 05:01	WG1103800
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 05:01	WG1103800
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 05:01	WG1103800
Trichloroethene	U		0.153	0.500	1	04/27/2018 05:01	WG1103800
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 05:01	WG1103800
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 05:01	WG1103800
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2018 05:01	WG1103800
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2018 05:01	WG1103800
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2018 05:01	WG1103800

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/27/2018 05:01	WG1103800
Vinyl chloride	U			0.118	0.500	1	04/27/2018 05:01	WG1103800
Xylenes, Total	U			0.316	1.50	1	04/27/2018 05:01	WG1103800
(S) Toluene-d8	*102*				*80.0-120*		*04/27/2018 05:01*	WG1103800
(S) Dibromofluoromethane	*103*				*76.0-123*		*04/27/2018 05:01*	WG1103800
(S) 4-Bromofluorobenzene	*91.7*				*80.0-120*		*04/27/2018 05:01*	WG1103800

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	273000		2710	20000	1	04/30/2018 14:44	WG1104061

Sample Narrative:
L988839-02 WG1104061: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	118000		260	5000	5	04/26/2018 22:12	WG1103510
Nitrate	U		22.7	100	1	04/26/2018 21:56	WG1103510
Sulfate	21900		77.4	5000	1	04/26/2018 21:56	WG1103510

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6210		102	1000	1	04/28/2018 17:45	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1740		15.0	100	1	04/30/2018 15:53	WG1103346
Manganese	656		0.250	5.00	1	04/30/2018 15:53	WG1103346

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	34700		790	2500	25	05/01/2018 20:03	WG1104015
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-122*		*05/01/2018 20:03*	WG1104015

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	333		0.287	0.678	1	05/02/2018 11:25	WG1105380
Ethane	18.1		0.296	1.29	1	05/02/2018 11:25	WG1105380
Ethene	131		0.422	1.27	1	05/02/2018 11:25	WG1105380

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	9.87 J	J	1.05	25.0	1	04/27/2018 05:20	WG1103800
Acrylonitrile	U		0.873	5.00	1	04/27/2018 05:20	WG1103800
Benzene	0.434 J	J	0.0896	0.500	1	04/27/2018 05:20	WG1103800
Bromobenzene	U		0.133	0.500	1	04/27/2018 05:20	WG1103800
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 05:20	WG1103800
Bromochloromethane	U		0.145	0.500	1	04/27/2018 05:20	WG1103800
Bromoform	U		0.186	0.500	1	04/27/2018 05:20	WG1103800
Bromomethane	U		0.157	2.50	1	04/27/2018 05:20	WG1103800
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 05:20	WG1103800
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 05:20	WG1103800
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 05:20	WG1103800
Carbon disulfide	0.591		0.101	0.500	1	04/27/2018 05:20	WG1103800
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 05:20	WG1103800

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chlorobenzene	U		0.140	0.500	1	04/27/2018 05:20	WG1103800
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 05:20	WG1103800
Chloroethane	0.553	J J	0.141	2.50	1	04/27/2018 05:20	WG1103800
Chloroform	U		0.0860	0.500	1	04/27/2018 05:20	WG1103800
Chloromethane	U		0.153	1.25	1	04/27/2018 05:20	WG1103800
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 05:20	WG1103800
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 05:20	WG1103800
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 05:20	WG1103800
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 05:20	WG1103800
Dibromomethane	U		0.117	0.500	1	04/27/2018 05:20	WG1103800
1,2-Dichlorobenzene	0.143	J J	0.101	0.500	1	04/27/2018 05:20	WG1103800
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 05:20	WG1103800
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 05:20	WG1103800
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 05:20	WG1103800
1,1-Dichloroethane	0.512		0.114	0.500	1	04/27/2018 05:20	WG1103800
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 05:20	WG1103800
1,1-Dichloroethene	188		37.6	100	200	04/28/2018 11:01	WG1103800
cis-1,2-Dichloroethene	27700		18.7	100	200	04/28/2018 11:01	WG1103800
trans-1,2-Dichloroethene	30.7		0.152	0.500	1	04/27/2018 05:20	WG1103800
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 05:20	WG1103800
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 05:20	WG1103800
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 05:20	WG1103800
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 05:20	WG1103800
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 05:20	WG1103800
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 05:20	WG1103800
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 05:20	WG1103800
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 05:20	WG1103800
Ethylbenzene	0.484	J J	0.158	0.500	1	04/27/2018 05:20	WG1103800
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 05:20	WG1103800
2-Hexanone	U		0.757	5.00	1	04/27/2018 05:20	WG1103800
n-Hexane	U		0.305	5.00	1	04/27/2018 05:20	WG1103800
Iodomethane	U		0.377	10.0	1	04/27/2018 05:20	WG1103800
Isopropylbenzene	0.145	J J	0.126	0.500	1	04/27/2018 05:20	WG1103800
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 05:20	WG1103800
2-Butanone (MEK)	2.24	J J	1.28	5.00	1	04/27/2018 05:20	WG1103800
Methylene Chloride	U		1.07	2.50	1	04/27/2018 05:20	WG1103800
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 05:20	WG1103800
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 05:20	WG1103800
Naphthalene	0.469	J J	0.174	2.50	1	04/27/2018 05:20	WG1103800
n-Propylbenzene	0.348	J J	0.162	0.500	1	04/27/2018 05:20	WG1103800
Styrene	U		0.117	0.500	1	04/27/2018 05:20	WG1103800
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 05:20	WG1103800
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 05:20	WG1103800
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 05:20	WG1103800
Tetrachloroethene	75800		199	500	1000	05/02/2018 04:19	WG1103800
Toluene	3.09		0.412	0.500	1	04/27/2018 05:20	WG1103800
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 05:20	WG1103800
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 05:20	WG1103800
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 05:20	WG1103800
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 05:20	WG1103800
Trichloroethene	7890		30.6	100	200	04/28/2018 11:01	WG1103800
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 05:20	WG1103800
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 05:20	WG1103800
1,2,4-Trimethylbenzene	2.26		0.123	0.500	1	04/27/2018 05:20	WG1103800
1,2,3-Trimethylbenzene	1.12		0.0739	0.500	1	04/27/2018 05:20	WG1103800
1,3,5-Trimethylbenzene	0.708		0.124	0.500	1	04/27/2018 05:20	WG1103800

JC 6/8/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/27/2018 05:20	WG1103800
Vinyl chloride	989			23.6	100	200	04/28/2018 11:01	WG1103800
Xylenes, Total	2.61			0.316	1.50	1	04/27/2018 05:20	WG1103800
(S) Toluene-d8	*103*				*80.0-120*		*05/02/2018 04:19*	WG1103800
(S) Toluene-d8	*102*				*80.0-120*		*04/27/2018 05:20*	WG1103800
(S) Toluene-d8	*102*				*80.0-120*		*04/28/2018 11:01*	WG1103800
(S) Dibromofluoromethane	*94.6*				*76.0-123*		*05/02/2018 04:19*	WG1103800
(S) Dibromofluoromethane	*105*				*76.0-123*		*04/27/2018 05:20*	WG1103800
(S) Dibromofluoromethane	*102*				*76.0-123*		*04/28/2018 11:01*	WG1103800
(S) 4-Bromofluorobenzene	*94.2*				*80.0-120*		*04/28/2018 11:01*	WG1103800
(S) 4-Bromofluorobenzene	*92.2*				*80.0-120*		*05/02/2018 04:19*	WG1103800
(S) 4-Bromofluorobenzene	*87.1*				*80.0-120*		*04/27/2018 05:20*	WG1103800

JC 6/8/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.64 J	J	1.05	25.0	1	04/27/2018 05:38	WG1103800
Acrylonitrile	U		0.873	5.00	1	04/27/2018 05:38	WG1103800
Benzene	U		0.0896	0.500	1	04/27/2018 05:38	WG1103800
Bromobenzene	U		0.133	0.500	1	04/27/2018 05:38	WG1103800
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 05:38	WG1103800
Bromochloromethane	U		0.145	0.500	1	04/27/2018 05:38	WG1103800
Bromoform	U		0.186	0.500	1	04/27/2018 05:38	WG1103800
Bromomethane	U		0.157	2.50	1	04/27/2018 05:38	WG1103800
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 05:38	WG1103800
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 05:38	WG1103800
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 05:38	WG1103800
Carbon disulfide	0.287 J	J	0.101	0.500	1	04/27/2018 05:38	WG1103800
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 05:38	WG1103800
Chlorobenzene	U		0.140	0.500	1	04/27/2018 05:38	WG1103800
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 05:38	WG1103800
Chloroethane	U		0.141	2.50	1	04/27/2018 05:38	WG1103800
Chloroform	U		0.0860	0.500	1	04/27/2018 05:38	WG1103800
Chloromethane	U		0.153	1.25	1	04/27/2018 05:38	WG1103800
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 05:38	WG1103800
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 05:38	WG1103800
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 05:38	WG1103800
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 05:38	WG1103800
Dibromomethane	U		0.117	0.500	1	04/27/2018 05:38	WG1103800
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2018 05:38	WG1103800
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 05:38	WG1103800
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 05:38	WG1103800
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 05:38	WG1103800
1,1-Dichloroethane	U		0.114	0.500	1	04/27/2018 05:38	WG1103800
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 05:38	WG1103800
1,1-Dichloroethene	4.12 J	J	1.88	5.00	10	04/28/2018 11:20	WG1103800
cis-1,2-Dichloroethene	412		0.933	5.00	10	04/28/2018 11:20	WG1103800
trans-1,2-Dichloroethene	0.292 J	J	0.152	0.500	1	04/27/2018 05:38	WG1103800
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 05:38	WG1103800
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 05:38	WG1103800
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 05:38	WG1103800
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 05:38	WG1103800
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 05:38	WG1103800
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 05:38	WG1103800
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 05:38	WG1103800
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 05:38	WG1103800
Ethylbenzene	U		0.158	0.500	1	04/27/2018 05:38	WG1103800
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 05:38	WG1103800
2-Hexanone	U		0.757	5.00	1	04/27/2018 05:38	WG1103800
n-Hexane	U		0.305	5.00	1	04/27/2018 05:38	WG1103800
Iodomethane	U		0.377	10.0	1	04/27/2018 05:38	WG1103800
Isopropylbenzene	U		0.126	0.500	1	04/27/2018 05:38	WG1103800
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 05:38	WG1103800
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2018 05:38	WG1103800
Methylene Chloride	U		1.07	2.50	1	04/27/2018 05:38	WG1103800
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 05:38	WG1103800
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 05:38	WG1103800
Naphthalene	U		0.174	2.50	1	04/27/2018 05:38	WG1103800
n-Propylbenzene	U		0.162	0.500	1	04/27/2018 05:38	WG1103800
Styrene	U		0.117	0.500	1	04/27/2018 05:38	WG1103800
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 05:38	WG1103800
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 05:38	WG1103800

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 05:38	WG1103800
Tetrachloroethene	155		1.99	5.00	10	04/28/2018 11:20	WG1103800
Toluene	U		0.412	0.500	1	04/27/2018 05:38	WG1103800
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 05:38	WG1103800
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 05:38	WG1103800
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 05:38	WG1103800
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 05:38	WG1103800
Trichloroethene	111		1.53	5.00	10	04/28/2018 11:20	WG1103800
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 05:38	WG1103800
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 05:38	WG1103800
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2018 05:38	WG1103800
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2018 05:38	WG1103800
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2018 05:38	WG1103800
Vinyl acetate	U	UJ J0	0.645	5.00	1	04/27/2018 05:38	WG1103800
Vinyl chloride	30.0		1.18	5.00	10	04/28/2018 11:20	WG1103800
Xylenes, Total	U		0.316	1.50	1	04/27/2018 05:38	WG1103800
(S) Toluene-d8	*103*			*80.0-120*		*04/27/2018 05:38*	WG1103800
(S) Toluene-d8	*104*			*80.0-120*		*04/28/2018 11:20*	WG1103800
(S) Dibromofluoromethane	*99.0*			*76.0-123*		*04/28/2018 11:20*	WG1103800
(S) Dibromofluoromethane	*99.7*			*76.0-123*		*04/27/2018 05:38*	WG1103800
(S) 4-Bromofluorobenzene	*89.8*			*80.0-120*		*04/27/2018 05:38*	WG1103800
(S) 4-Bromofluorobenzene	*90.4*			*80.0-120*		*04/28/2018 11:20*	WG1103800

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Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	173000		2710	20000	1	04/30/2018 14:51	WG1104061

Sample Narrative:
L988839-04 WG1104061: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	9910		51.9	1000	1	04/26/2018 22:27	WG1103510
Nitrate	287		22.7	100	1	04/26/2018 22:27	WG1103510
Sulfate	1430	J J	77.4	5000	1	04/26/2018 22:27	WG1103510

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2840		102	1000	1	04/28/2018 18:00	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	4800		15.0	100	1	04/30/2018 15:58	WG1103346
Manganese	297		0.250	5.00	1	04/30/2018 15:58	WG1103346

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/30/2018 18:04	WG1104015
(S) a,a,a-Trifluorotoluene(FID)	*98.7*			*77.0-122*		*04/30/2018 18:04*	WG1104015

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	549		0.287	0.678	1	05/02/2018 11:28	WG1105380
Ethane	5.77		0.296	1.29	1	05/02/2018 11:28	WG1105380
Ethene	17.4		0.422	1.27	1	05/02/2018 11:28	WG1105380

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.72	J J	1.05	25.0	1	04/27/2018 05:57	WG1103800
Acrylonitrile	U		0.873	5.00	1	04/27/2018 05:57	WG1103800
Benzene	U		0.0896	0.500	1	04/27/2018 05:57	WG1103800
Bromobenzene	U		0.133	0.500	1	04/27/2018 05:57	WG1103800
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 05:57	WG1103800
Bromochloromethane	U		0.145	0.500	1	04/27/2018 05:57	WG1103800
Bromoform	U		0.186	0.500	1	04/27/2018 05:57	WG1103800
Bromomethane	U		0.157	2.50	1	04/27/2018 05:57	WG1103800
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 05:57	WG1103800
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 05:57	WG1103800
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 05:57	WG1103800
Carbon disulfide	0.236	J J	0.101	0.500	1	04/27/2018 05:57	WG1103800
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 05:57	WG1103800

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Chlorobenzene	U		0.140	0.500	1	04/27/2018 05:57	WG1103800	
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 05:57	WG1103800	
Chloroethane	U		0.141	2.50	1	04/27/2018 05:57	WG1103800	
Chloroform	U		0.0860	0.500	1	04/27/2018 05:57	WG1103800	
Chloromethane	U		0.153	1.25	1	04/27/2018 05:57	WG1103800	
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 05:57	WG1103800	
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 05:57	WG1103800	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 05:57	WG1103800	
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 05:57	WG1103800	
Dibromomethane	U		0.117	0.500	1	04/27/2018 05:57	WG1103800	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2018 05:57	WG1103800	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 05:57	WG1103800	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 05:57	WG1103800	
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 05:57	WG1103800	
1,1-Dichloroethane	U		0.114	0.500	1	04/27/2018 05:57	WG1103800	
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 05:57	WG1103800	
1,1-Dichloroethene	0.899		0.188	0.500	1	04/28/2018 11:39	WG1103800	
cis-1,2-Dichloroethene	10.7		0.0933	0.500	1	04/28/2018 11:39	WG1103800	
trans-1,2-Dichloroethene	0.315	J	0.152	0.500	1	04/27/2018 05:57	WG1103800	
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 05:57	WG1103800	
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 05:57	WG1103800	
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 05:57	WG1103800	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 05:57	WG1103800	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 05:57	WG1103800	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 05:57	WG1103800	
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 05:57	WG1103800	
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 05:57	WG1103800	
Ethylbenzene	U		0.158	0.500	1	04/27/2018 05:57	WG1103800	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 05:57	WG1103800	
2-Hexanone	U		0.757	5.00	1	04/27/2018 05:57	WG1103800	
n-Hexane	U		0.305	5.00	1	04/27/2018 05:57	WG1103800	
Iodomethane	U		0.377	10.0	1	04/27/2018 05:57	WG1103800	
Isopropylbenzene	U		0.126	0.500	1	04/27/2018 05:57	WG1103800	
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 05:57	WG1103800	
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2018 05:57	WG1103800	
Methylene Chloride	U		1.07	2.50	1	04/27/2018 05:57	WG1103800	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 05:57	WG1103800	
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 05:57	WG1103800	
Naphthalene	0.739	J	0.174	2.50	1	04/27/2018 05:57	WG1103800	
n-Propylbenzene	U		0.162	0.500	1	04/27/2018 05:57	WG1103800	
Styrene	U		0.117	0.500	1	04/27/2018 05:57	WG1103800	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 05:57	WG1103800	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 05:57	WG1103800	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 05:57	WG1103800	
Tetrachloroethene	0.646		0.199	0.500	1	04/28/2018 11:39	WG1103800	
Toluene	0.837		0.412	0.500	1	04/27/2018 05:57	WG1103800	
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 05:57	WG1103800	
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 05:57	WG1103800	
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 05:57	WG1103800	
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 05:57	WG1103800	
Trichloroethene	0.516		0.153	0.500	1	04/28/2018 11:39	WG1103800	
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 05:57	WG1103800	
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 05:57	WG1103800	
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2018 05:57	WG1103800	
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2018 05:57	WG1103800	JC 6/8/18
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2018 05:57	WG1103800	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Vinyl acetate	U UJ	J0	0.645	5.00	1	04/27/2018 05:57	WG1103800
Vinyl chloride	3.51		0.118	0.500	1	04/28/2018 11:39	WG1103800
Xylenes, Total	U		0.316	1.50	1	04/27/2018 05:57	WG1103800
(S) Toluene-d8	*103*			*80.0-120*		*04/27/2018 05:57*	WG1103800
(S) Toluene-d8	*104*			*80.0-120*		*04/28/2018 11:39*	WG1103800
(S) Dibromofluoromethane	*99.2*			*76.0-123*		*04/28/2018 11:39*	WG1103800
(S) Dibromofluoromethane	*105*			*76.0-123*		*04/27/2018 05:57*	WG1103800
(S) 4-Bromofluorobenzene	*90.3*			*80.0-120*		*04/27/2018 05:57*	WG1103800
(S) 4-Bromofluorobenzene	*91.6*			*80.0-120*		*04/28/2018 11:39*	WG1103800

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		21.0	500	20	04/27/2018 06:16	WG1103800
Acrylonitrile	U		17.5	100	20	04/27/2018 06:16	WG1103800
Benzene	U		1.79	10.0	20	04/27/2018 06:16	WG1103800
Bromobenzene	U		2.66	10.0	20	04/27/2018 06:16	WG1103800
Bromodichloromethane	U		1.60	10.0	20	04/27/2018 06:16	WG1103800
Bromochloromethane	U		2.90	10.0	20	04/27/2018 06:16	WG1103800
Bromoform	U		3.72	10.0	20	04/27/2018 06:16	WG1103800
Bromomethane	U		3.14	50.0	20	04/27/2018 06:16	WG1103800
n-Butylbenzene	U		2.86	10.0	20	04/27/2018 06:16	WG1103800
sec-Butylbenzene	U		2.68	10.0	20	04/27/2018 06:16	WG1103800
tert-Butylbenzene	U		3.66	10.0	20	04/27/2018 06:16	WG1103800
Carbon disulfide	U		2.02	10.0	20	04/27/2018 06:16	WG1103800
Carbon tetrachloride	U		3.18	10.0	20	04/27/2018 06:16	WG1103800
Chlorobenzene	U		2.80	10.0	20	04/27/2018 06:16	WG1103800
Chlorodibromomethane	U		2.56	10.0	20	04/27/2018 06:16	WG1103800
Chloroethane	U		2.82	50.0	20	04/27/2018 06:16	WG1103800
Chloroform	U		1.72	10.0	20	04/27/2018 06:16	WG1103800
Chloromethane	U		3.06	25.0	20	04/27/2018 06:16	WG1103800
2-Chlorotoluene	U		2.22	10.0	20	04/27/2018 06:16	WG1103800
4-Chlorotoluene	U		1.94	10.0	20	04/27/2018 06:16	WG1103800
1,2-Dibromo-3-Chloropropane	U		6.50	50.0	20	04/27/2018 06:16	WG1103800
1,2-Dibromoethane	U		3.86	10.0	20	04/27/2018 06:16	WG1103800
Dibromomethane	U		2.34	10.0	20	04/27/2018 06:16	WG1103800
1,2-Dichlorobenzene	U		2.02	10.0	20	04/27/2018 06:16	WG1103800
1,3-Dichlorobenzene	U		2.60	10.0	20	04/27/2018 06:16	WG1103800
1,4-Dichlorobenzene	U		2.42	10.0	20	04/27/2018 06:16	WG1103800
Dichlorodifluoromethane	U		2.54	50.0	20	04/27/2018 06:16	WG1103800
1,1-Dichloroethane	U		2.28	10.0	20	04/27/2018 06:16	WG1103800
1,2-Dichloroethane	U		2.16	10.0	20	04/27/2018 06:16	WG1103800
1,1-Dichloroethene	62.7		3.76	10.0	20	04/27/2018 06:16	WG1103800
cis-1,2-Dichloroethene	26600		46.6	250	500	04/28/2018 11:57	WG1103800
trans-1,2-Dichloroethene	128		3.04	10.0	20	04/27/2018 06:16	WG1103800
1,2-Dichloropropane	U		3.80	10.0	20	04/27/2018 06:16	WG1103800
1,1-Dichloropropene	U		2.56	10.0	20	04/27/2018 06:16	WG1103800
1,3-Dichloropropane	U		2.94	20.0	20	04/27/2018 06:16	WG1103800
cis-1,3-Dichloropropene	U		1.95	10.0	20	04/27/2018 06:16	WG1103800
trans-1,3-Dichloropropene	U		4.44	10.0	20	04/27/2018 06:16	WG1103800
trans-1,4-Dichloro-2-butene	U		5.14	100	20	04/27/2018 06:16	WG1103800
2,2-Dichloropropane	U		1.86	10.0	20	04/27/2018 06:16	WG1103800
Di-isopropyl ether	U		1.85	10.0	20	04/27/2018 06:16	WG1103800
Ethylbenzene	U		3.16	10.0	20	04/27/2018 06:16	WG1103800
Hexachloro-1,3-butadiene	U		3.14	20.0	20	04/27/2018 06:16	WG1103800
2-Hexanone	U		15.1	100	20	04/27/2018 06:16	WG1103800
n-Hexane	U		6.10	100	20	04/27/2018 06:16	WG1103800
Iodomethane	U		7.54	200	20	04/27/2018 06:16	WG1103800
Isopropylbenzene	U		2.52	10.0	20	04/27/2018 06:16	WG1103800
p-Isopropyltoluene	U		2.76	10.0	20	04/27/2018 06:16	WG1103800
2-Butanone (MEK)	U		25.6	100	20	04/27/2018 06:16	WG1103800
Methylene Chloride	U		21.4	50.0	20	04/27/2018 06:16	WG1103800
4-Methyl-2-pentanone (MIBK)	U		16.5	100	20	04/27/2018 06:16	WG1103800
Methyl tert-butyl ether	U		2.04	10.0	20	04/27/2018 06:16	WG1103800
Naphthalene	U		3.48	50.0	20	04/27/2018 06:16	WG1103800
n-Propylbenzene	U		3.24	10.0	20	04/27/2018 06:16	WG1103800
Styrene	U		2.34	10.0	20	04/27/2018 06:16	WG1103800
1,1,1,2-Tetrachloroethane	U		2.40	10.0	20	04/27/2018 06:16	WG1103800
1,1,2,2-Tetrachloroethane	U		2.60	10.0	20	04/27/2018 06:16	WG1103800

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result		Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U			3.28	10.0	20	04/27/2018 06:16	WG1103800
Tetrachloroethene	62600			99.5	250	500	04/28/2018 11:57	WG1103800
Toluene	17.7			8.24	10.0	20	04/27/2018 06:16	WG1103800
1,2,3-Trichlorobenzene	U			3.28	10.0	20	04/27/2018 06:16	WG1103800
1,2,4-Trichlorobenzene	U			7.10	10.0	20	04/27/2018 06:16	WG1103800
1,1,1-Trichloroethane	U			1.88	10.0	20	04/27/2018 06:16	WG1103800
1,1,2-Trichloroethane	U			3.72	10.0	20	04/27/2018 06:16	WG1103800
Trichloroethene	6000			76.5	250	500	04/28/2018 11:57	WG1103800
Trichlorofluoromethane	U			2.60	50.0	20	04/27/2018 06:16	WG1103800
1,2,3-Trichloropropane	U			4.94	50.0	20	04/27/2018 06:16	WG1103800
1,2,4-Trimethylbenzene	5.42	J	J	2.46	10.0	20	04/27/2018 06:16	WG1103800
1,2,3-Trimethylbenzene	U			1.48	10.0	20	04/27/2018 06:16	WG1103800
1,3,5-Trimethylbenzene	U			2.48	10.0	20	04/27/2018 06:16	WG1103800
Vinyl acetate	U	UJ	J0	12.9	100	20	04/27/2018 06:16	WG1103800
Vinyl chloride	9680			59.0	250	500	04/28/2018 11:57	WG1103800
Xylenes, Total	U			6.32	30.0	20	04/27/2018 06:16	WG1103800
(S) Toluene-d8	*102*				*80.0-120*		*04/28/2018 11:57*	WG1103800
(S) Toluene-d8	*101*				*80.0-120*		*04/27/2018 06:16*	WG1103800
(S) Dibromofluoromethane	*106*				*76.0-123*		*04/27/2018 06:16*	WG1103800
(S) Dibromofluoromethane	*98.1*				*76.0-123*		*04/28/2018 11:57*	WG1103800
(S) 4-Bromofluorobenzene	*91.4*				*80.0-120*		*04/27/2018 06:16*	WG1103800
(S) 4-Bromofluorobenzene	*91.8*				*80.0-120*		*04/28/2018 11:57*	WG1103800

Sample Narrative:

L988839-05 WG1103800: Cannot be analyzed at a lower dilution due to high levels of target analytes.

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Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	160000		2710	20000	1	04/30/2018 15:21	WG1104061

Sample Narrative:

L988839-06 WG1104061: Endpoint pH 4.5

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	4990		51.9	1000	1	04/26/2018 22:43	WG1103510
Nitrate	31.5 J	J	22.7	100	1	04/26/2018 22:43	WG1103510
Sulfate	880 J	J	77.4	5000	1	04/26/2018 22:43	WG1103510

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1940		102	1000	1	04/27/2018 21:54	WG1103755

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	9600		15.0	100	1	04/30/2018 16:03	WG1103346
Manganese	414		0.250	5.00	1	04/30/2018 16:03	WG1103346

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/30/2018 18:26	WG1104015
(S) a,a,a-Trifluorotoluene(FID)	*97.8*			*77.0-122*		*04/30/2018 18:26*	WG1104015

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	561		0.287	0.678	1	05/02/2018 11:31	WG1105380
Ethane	U		0.296	1.29	1	05/02/2018 11:31	WG1105380
Ethene	U		0.422	1.27	1	05/02/2018 11:31	WG1105380

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	3.43 J	J	1.05	25.0	1	04/27/2018 06:34	WG1103800	
Acrylonitrile	U		0.873	5.00	1	04/27/2018 06:34	WG1103800	
Benzene	U		0.0896	0.500	1	04/27/2018 06:34	WG1103800	
Bromobenzene	U		0.133	0.500	1	04/27/2018 06:34	WG1103800	
Bromodichloromethane	U		0.0800	0.500	1	04/27/2018 06:34	WG1103800	
Bromochloromethane	U		0.145	0.500	1	04/27/2018 06:34	WG1103800	
Bromoform	U		0.186	0.500	1	04/27/2018 06:34	WG1103800	
Bromomethane	U		0.157	2.50	1	04/27/2018 06:34	WG1103800	
n-Butylbenzene	U		0.143	0.500	1	04/27/2018 06:34	WG1103800	JC 6/8/18
sec-Butylbenzene	U		0.134	0.500	1	04/27/2018 06:34	WG1103800	
tert-Butylbenzene	U		0.183	0.500	1	04/27/2018 06:34	WG1103800	
Carbon disulfide	U		0.101	0.500	1	04/27/2018 06:34	WG1103800	
Carbon tetrachloride	U		0.159	0.500	1	04/27/2018 06:34	WG1103800	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/27/2018 06:34	WG1103800
Chlorodibromomethane	U		0.128	0.500	1	04/27/2018 06:34	WG1103800
Chloroethane	U		0.141	2.50	1	04/27/2018 06:34	WG1103800
Chloroform	U		0.0860	0.500	1	04/27/2018 06:34	WG1103800
Chloromethane	U		0.153	1.25	1	04/27/2018 06:34	WG1103800
2-Chlorotoluene	U		0.111	0.500	1	04/27/2018 06:34	WG1103800
4-Chlorotoluene	U		0.0972	0.500	1	04/27/2018 06:34	WG1103800
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/27/2018 06:34	WG1103800
1,2-Dibromoethane	U		0.193	0.500	1	04/27/2018 06:34	WG1103800
Dibromomethane	U		0.117	0.500	1	04/27/2018 06:34	WG1103800
1,2-Dichlorobenzene	U		0.101	0.500	1	04/27/2018 06:34	WG1103800
1,3-Dichlorobenzene	U		0.130	0.500	1	04/27/2018 06:34	WG1103800
1,4-Dichlorobenzene	U		0.121	0.500	1	04/27/2018 06:34	WG1103800
Dichlorodifluoromethane	U		0.127	2.50	1	04/27/2018 06:34	WG1103800
1,1-Dichloroethane	U		0.114	0.500	1	04/27/2018 06:34	WG1103800
1,2-Dichloroethane	U		0.108	0.500	1	04/27/2018 06:34	WG1103800
1,1-Dichloroethene	U		0.188	0.500	1	04/27/2018 06:34	WG1103800
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/28/2018 12:16	WG1103800
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/27/2018 06:34	WG1103800
1,2-Dichloropropane	U		0.190	0.500	1	04/27/2018 06:34	WG1103800
1,1-Dichloropropene	U		0.128	0.500	1	04/27/2018 06:34	WG1103800
1,3-Dichloropropane	U		0.147	1.00	1	04/27/2018 06:34	WG1103800
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/27/2018 06:34	WG1103800
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/27/2018 06:34	WG1103800
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/27/2018 06:34	WG1103800
2,2-Dichloropropane	U		0.0929	0.500	1	04/27/2018 06:34	WG1103800
Di-isopropyl ether	U		0.0924	0.500	1	04/27/2018 06:34	WG1103800
Ethylbenzene	U		0.158	0.500	1	04/27/2018 06:34	WG1103800
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/27/2018 06:34	WG1103800
2-Hexanone	U		0.757	5.00	1	04/27/2018 06:34	WG1103800
n-Hexane	U		0.305	5.00	1	04/27/2018 06:34	WG1103800
Iodomethane	U		0.377	10.0	1	04/27/2018 06:34	WG1103800
Isopropylbenzene	U		0.126	0.500	1	04/27/2018 06:34	WG1103800
p-Isopropyltoluene	U		0.138	0.500	1	04/27/2018 06:34	WG1103800
2-Butanone (MEK)	U		1.28	5.00	1	04/27/2018 06:34	WG1103800
Methylene Chloride	U		1.07	2.50	1	04/27/2018 06:34	WG1103800
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/27/2018 06:34	WG1103800
Methyl tert-butyl ether	U		0.102	0.500	1	04/27/2018 06:34	WG1103800
Naphthalene	U		0.174	2.50	1	04/27/2018 06:34	WG1103800
n-Propylbenzene	U		0.162	0.500	1	04/27/2018 06:34	WG1103800
Styrene	U		0.117	0.500	1	04/27/2018 06:34	WG1103800
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/27/2018 06:34	WG1103800
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/27/2018 06:34	WG1103800
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/27/2018 06:34	WG1103800
Tetrachloroethene	0.352	J J	0.199	0.500	1	04/28/2018 12:16	WG1103800
Toluene	U		0.412	0.500	1	04/27/2018 06:34	WG1103800
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/27/2018 06:34	WG1103800
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/27/2018 06:34	WG1103800
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/27/2018 06:34	WG1103800
1,1,2-Trichloroethane	U		0.186	0.500	1	04/27/2018 06:34	WG1103800
Trichloroethene	U		0.153	0.500	1	04/28/2018 12:16	WG1103800
Trichlorofluoromethane	U		0.130	2.50	1	04/27/2018 06:34	WG1103800
1,2,3-Trichloropropane	U		0.247	2.50	1	04/27/2018 06:34	WG1103800
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/27/2018 06:34	WG1103800
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/27/2018 06:34	WG1103800
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/27/2018 06:34	WG1103800

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Vinyl acetate	U	UJ	J0	0.645	5.00	1	04/27/2018 06:34	WG1103800
Vinyl chloride	U			0.118	0.500	1	04/28/2018 12:16	WG1103800
Xylenes, Total	U			0.316	1.50	1	04/27/2018 06:34	WG1103800
(S) Toluene-d8	*103*				*80.0-120*		*04/27/2018 06:34*	WG1103800
(S) Toluene-d8	*104*				*80.0-120*		*04/28/2018 12:16*	WG1103800
(S) Dibromofluoromethane	*100*				*76.0-123*		*04/28/2018 12:16*	WG1103800
(S) Dibromofluoromethane	*100*				*76.0-123*		*04/27/2018 06:34*	WG1103800
(S) 4-Bromofluorobenzene	*90.9*				*80.0-120*		*04/27/2018 06:34*	WG1103800
(S) 4-Bromofluorobenzene	*92.0*				*80.0-120*		*04/28/2018 12:16*	WG1103800

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ANALYTICAL REPORT

May 04, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L989149
Samples Received:	04/27/2018
Project Number:	1413.001.05.601
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

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IW-4C-042618 L989149-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/26/18 08:08 | Received date/time: 04/27/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	1	04/28/18 14:08	04/28/18 14:08	JBE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	1000	05/02/18 03:39	05/02/18 03:39	BMB

MW-132-042618 L989149-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/26/18 09:24 | Received date/time: 04/27/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1105009	1	05/02/18 20:26	05/02/18 20:26	MCG
Wet Chemistry by Method 9056A	WG1103968	1	04/27/18 23:54	04/27/18 23:54	MAJ
Wet Chemistry by Method 9060A	WG1104356	1	04/29/18 02:20	04/29/18 02:20	SJM
Metals (ICPMS) by Method 6020A	WG1104177	1	04/30/18 17:17	04/30/18 21:05	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104101	1	04/27/18 19:08	04/27/18 19:08	JAH
Volatile Organic Compounds (GC) by Method RSK175	WG1106076	1	05/03/18 11:05	05/03/18 11:05	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	1	04/28/18 14:27	04/28/18 14:27	JBE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	100	05/02/18 03:59	05/02/18 03:59	BMB

MW-156-042618 L989149-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/26/18 12:05 | Received date/time: 04/27/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1105009	1	05/02/18 20:39	05/02/18 20:39	MCG
Wet Chemistry by Method 9056A	WG1103968	1	04/28/18 00:09	04/28/18 00:09	MAJ
Wet Chemistry by Method 9060A	WG1104356	1	04/29/18 02:37	04/29/18 02:37	SJM
Metals (ICPMS) by Method 6020A	WG1104177	1	04/30/18 17:17	04/30/18 21:10	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104101	1	04/27/18 19:32	04/27/18 19:32	JAH
Volatile Organic Compounds (GC) by Method RSK175	WG1106076	1	05/03/18 11:10	05/03/18 11:10	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	1	04/28/18 14:46	04/28/18 14:46	JBE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	50	05/02/18 04:19	05/02/18 04:19	BMB

MW-157-042618 L989149-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/26/18 13:11 | Received date/time: 04/27/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1105009	1	05/02/18 20:46	05/02/18 20:46	MCG
Wet Chemistry by Method 9056A	WG1103968	1	04/28/18 00:24	04/28/18 00:24	MAJ
Wet Chemistry by Method 9060A	WG1104356	1	04/29/18 02:57	04/29/18 02:57	SJM
Metals (ICPMS) by Method 6020A	WG1104177	1	04/30/18 17:17	04/30/18 21:15	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104101	1	04/27/18 19:55	04/27/18 19:55	JAH
Volatile Organic Compounds (GC) by Method RSK175	WG1106076	1	05/03/18 11:13	05/03/18 11:13	MEL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	1	04/28/18 15:04	04/28/18 15:04	JBE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	1	05/02/18 00:38	05/02/18 00:38	BMB

MW-159-042618 L989149-05 GW

Collected by: Jeff Dobbins | Collected date/time: 04/26/18 14:06 | Received date/time: 04/27/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104101	1	04/27/18 20:18	04/27/18 20:18	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	1	04/28/18 15:23	04/28/18 15:23	JBE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	1	05/02/18 00:58	05/02/18 00:58	BMB

TRIPBLANK-042618 L989149-06 GW

Collected by	Collected date/time	Received date/time
Jeff Dobbins	04/26/18 00:00	04/27/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104101	1	04/27/18 14:27	04/27/18 14:27	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104412	1	04/28/18 13:12	04/28/18 13:12	JBE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.54	J	1.05	25.0	1	04/28/2018 14:08	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 14:08	WG1104412
Benzene	0.158	J	0.0896	0.500	1	04/28/2018 14:08	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 14:08	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 14:08	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 14:08	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 14:08	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 14:08	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 14:08	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 14:08	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 14:08	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 14:08	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 14:08	WG1104412
Chlorobenzene	U		0.140	0.500	1	04/28/2018 14:08	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 14:08	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 14:08	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 14:08	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 14:08	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 14:08	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 14:08	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 14:08	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 14:08	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 14:08	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 14:08	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 14:08	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 14:08	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 14:08	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 14:08	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 14:08	WG1104412
1,1-Dichloroethene	9.35		0.188	0.500	1	04/28/2018 14:08	WG1104412
cis-1,2-Dichloroethene	5080		93.3	500	1000	05/02/2018 03:39	WG1104412
trans-1,2-Dichloroethene	2.17		0.152	0.500	1	04/28/2018 14:08	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 14:08	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 14:08	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 14:08	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 14:08	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 14:08	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 14:08	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 14:08	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 14:08	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 14:08	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 14:08	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 14:08	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 14:08	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 14:08	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 14:08	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 14:08	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 14:08	WG1104412
Methylene Chloride	U		1.07	2.50	1	04/28/2018 14:08	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 14:08	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 14:08	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 14:08	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 14:08	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 14:08	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 14:08	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 14:08	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 14:08	WG1104412
Tetrachloroethene	22300		199	500	1000	05/02/2018 03:39	WG1104412
Toluene	0.918		0.412	0.500	1	04/28/2018 14:08	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 14:08	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 14:08	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 14:08	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 14:08	WG1104412
Trichloroethene	1860		153	500	1000	05/02/2018 03:39	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 14:08	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 14:08	WG1104412
1,2,4-Trimethylbenzene	0.642		0.123	0.500	1	04/28/2018 14:08	WG1104412
1,2,3-Trimethylbenzene	0.311	J	0.0739	0.500	1	04/28/2018 14:08	WG1104412
1,3,5-Trimethylbenzene	0.207	J	0.124	0.500	1	04/28/2018 14:08	WG1104412
Vinyl acetate	U		0.645	5.00	1	04/28/2018 14:08	WG1104412
Vinyl chloride	29.7		0.118	0.500	1	04/28/2018 14:08	WG1104412
Xylenes, Total	0.647	J	0.316	1.50	1	04/28/2018 14:08	WG1104412
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 14:08*	WG1104412
(S) Toluene-d8	*100*			*80.0-120*		*05/02/2018 03:39*	WG1104412
(S) Dibromofluoromethane	*107*			*76.0-123*		*05/02/2018 03:39*	WG1104412
(S) Dibromofluoromethane	*91.9*			*76.0-123*		*04/28/2018 14:08*	WG1104412
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*05/02/2018 03:39*	WG1104412
(S) 4-Bromofluorobenzene	*89.9*			*80.0-120*		*04/28/2018 14:08*	WG1104412

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	542000		2710	20000	1	05/02/2018 20:26	WG1105009

Sample Narrative:

L989149-02 WG1105009: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	30100		51.9	1000	1	04/27/2018 23:54	WG1103968
Nitrate	U		22.7	100	1	04/27/2018 23:54	WG1103968
Sulfate	10600		77.4	5000	1	04/27/2018 23:54	WG1103968

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	18600		102	1000	1	04/29/2018 02:20	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9590		15.0	100	1	04/30/2018 21:05	WG1104177
Manganese	2040		0.250	5.00	1	04/30/2018 21:05	WG1104177

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	2630		31.6	100	1	04/27/2018 19:08	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-122*		*04/27/2018 19:08*	WG1104101

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	4640		0.287	0.678	1	05/03/2018 11:05	WG1106076
Ethane	75.9		0.296	1.29	1	05/03/2018 11:05	WG1106076
Ethene	U		0.422	1.27	1	05/03/2018 11:05	WG1106076

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/28/2018 14:27	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 14:27	WG1104412
Benzene	0.422	J	0.0896	0.500	1	04/28/2018 14:27	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 14:27	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 14:27	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 14:27	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 14:27	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 14:27	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 14:27	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 14:27	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 14:27	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 14:27	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 14:27	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/28/2018 14:27	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 14:27	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 14:27	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 14:27	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 14:27	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 14:27	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 14:27	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 14:27	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 14:27	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 14:27	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 14:27	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 14:27	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 14:27	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 14:27	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 14:27	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 14:27	WG1104412
1,1-Dichloroethene	18.1		0.188	0.500	1	04/28/2018 14:27	WG1104412
cis-1,2-Dichloroethene	3300		9.33	50.0	100	05/02/2018 03:59	WG1104412
trans-1,2-Dichloroethene	16.3		0.152	0.500	1	04/28/2018 14:27	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 14:27	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 14:27	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 14:27	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 14:27	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 14:27	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 14:27	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 14:27	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 14:27	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 14:27	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 14:27	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 14:27	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 14:27	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 14:27	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 14:27	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 14:27	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 14:27	WG1104412
Methylene Chloride	U		1.07	2.50	1	04/28/2018 14:27	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 14:27	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 14:27	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 14:27	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 14:27	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 14:27	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 14:27	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 14:27	WG1104412
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 14:27	WG1104412
Tetrachloroethene	2830		19.9	50.0	100	05/02/2018 03:59	WG1104412
Toluene	U		0.412	0.500	1	04/28/2018 14:27	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 14:27	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 14:27	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 14:27	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 14:27	WG1104412
Trichloroethene	840		15.3	50.0	100	05/02/2018 03:59	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 14:27	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 14:27	WG1104412
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 14:27	WG1104412
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 14:27	WG1104412
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 14:27	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/28/2018 14:27	WG1104412
Vinyl chloride	10.2		0.118	0.500	1	04/28/2018 14:27	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 14:27	WG1104412
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 14:27*	WG1104412
(S) Toluene-d8	*105*			*80.0-120*		*05/02/2018 03:59*	WG1104412
(S) Dibromofluoromethane	*108*			*76.0-123*		*05/02/2018 03:59*	WG1104412
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/28/2018 14:27*	WG1104412
(S) 4-Bromofluorobenzene	*87.9*			*80.0-120*		*04/28/2018 14:27*	WG1104412
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*05/02/2018 03:59*	WG1104412

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	436000		2710	20000	1	05/02/2018 20:39	WG1105009

Sample Narrative:

L989149-03 WG1105009: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	46300		51.9	1000	1	04/28/2018 00:09	WG1103968
Nitrate	U		22.7	100	1	04/28/2018 00:09	WG1103968
Sulfate	25000		77.4	5000	1	04/28/2018 00:09	WG1103968

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10700		102	1000	1	04/29/2018 02:37	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10200		15.0	100	1	04/30/2018 21:10	WG1104177
Manganese	1130		0.250	5.00	1	04/30/2018 21:10	WG1104177

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	1690		31.6	100	1	04/27/2018 19:32	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/27/2018 19:32*	WG1104101

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2250		0.287	0.678	1	05/03/2018 11:10	WG1106076
Ethane	28.4		0.296	1.29	1	05/03/2018 11:10	WG1106076
Ethene	23.8		0.422	1.27	1	05/03/2018 11:10	WG1106076

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.25	J	1.05	25.0	1	04/28/2018 14:46	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 14:46	WG1104412
Benzene	0.283	J	0.0896	0.500	1	04/28/2018 14:46	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 14:46	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 14:46	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 14:46	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 14:46	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 14:46	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 14:46	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 14:46	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 14:46	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 14:46	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 14:46	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/28/2018 14:46	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 14:46	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 14:46	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 14:46	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 14:46	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 14:46	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 14:46	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 14:46	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 14:46	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 14:46	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 14:46	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 14:46	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 14:46	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 14:46	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 14:46	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 14:46	WG1104412
1,1-Dichloroethene	20.7		0.188	0.500	1	04/28/2018 14:46	WG1104412
cis-1,2-Dichloroethene	2850		4.66	25.0	50	05/02/2018 04:19	WG1104412
trans-1,2-Dichloroethene	9.97		0.152	0.500	1	04/28/2018 14:46	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 14:46	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 14:46	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 14:46	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 14:46	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 14:46	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 14:46	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 14:46	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 14:46	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 14:46	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 14:46	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 14:46	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 14:46	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 14:46	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 14:46	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 14:46	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 14:46	WG1104412
Methylene Chloride	U		1.07	2.50	1	04/28/2018 14:46	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 14:46	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 14:46	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 14:46	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 14:46	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 14:46	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 14:46	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 14:46	WG1104412
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 14:46	WG1104412
Tetrachloroethene	U		9.95	25.0	50	05/02/2018 04:19	WG1104412
Toluene	0.479	J	0.412	0.500	1	04/28/2018 14:46	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 14:46	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 14:46	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 14:46	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 14:46	WG1104412
Trichloroethene	581		7.65	25.0	50	05/02/2018 04:19	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 14:46	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 14:46	WG1104412
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 14:46	WG1104412
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 14:46	WG1104412
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 14:46	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/28/2018 14:46	WG1104412
Vinyl chloride	407		5.90	25.0	50	05/02/2018 04:19	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 14:46	WG1104412
(S) Toluene-d8	*101*			*80.0-120*		*05/02/2018 04:19*	WG1104412
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 14:46*	WG1104412
(S) Dibromofluoromethane	*99.7*			*76.0-123*		*04/28/2018 14:46*	WG1104412
(S) Dibromofluoromethane	*108*			*76.0-123*		*05/02/2018 04:19*	WG1104412
(S) 4-Bromofluorobenzene	*91.2*			*80.0-120*		*04/28/2018 14:46*	WG1104412
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*05/02/2018 04:19*	WG1104412

Sample Narrative:

L989149-03 WG1104412: PCE not reportable at 1x due to possible carryover.

L989149-03 WG1104412: PCE cannot be re-analyzed at a lower dilution due to high levels of target analytes.

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	201000		2710	20000	1	05/02/2018 20:46	WG1105009

Sample Narrative:

L989149-04 WG1105009: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	27800		51.9	1000	1	04/28/2018 00:24	WG1103968
Nitrate	U		22.7	100	1	04/28/2018 00:24	WG1103968
Sulfate	4510	J	77.4	5000	1	04/28/2018 00:24	WG1103968

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2860		102	1000	1	04/29/2018 02:57	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	1020		15.0	100	1	04/30/2018 21:15	WG1104177
Manganese	209		0.250	5.00	1	04/30/2018 21:15	WG1104177

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	65.7	J	31.6	100	1	04/27/2018 19:55	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/27/2018 19:55*	WG1104101

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	111		0.287	0.678	1	05/03/2018 11:13	WG1106076
Ethane	0.779	J	0.296	1.29	1	05/03/2018 11:13	WG1106076
Ethene	36.6		0.422	1.27	1	05/03/2018 11:13	WG1106076

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/28/2018 15:04	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 15:04	WG1104412
Benzene	U		0.0896	0.500	1	04/28/2018 15:04	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 15:04	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 15:04	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 15:04	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 15:04	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 15:04	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 15:04	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 15:04	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 15:04	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 15:04	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 15:04	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/28/2018 15:04	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 15:04	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 15:04	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 15:04	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 15:04	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 15:04	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 15:04	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 15:04	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 15:04	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 15:04	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 15:04	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 15:04	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 15:04	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 15:04	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 15:04	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 15:04	WG1104412
1,1-Dichloroethene	U		0.188	0.500	1	04/28/2018 15:04	WG1104412
cis-1,2-Dichloroethene	10.4		0.0933	0.500	1	05/02/2018 00:38	WG1104412
trans-1,2-Dichloroethene	0.246	J	0.152	0.500	1	04/28/2018 15:04	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 15:04	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 15:04	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 15:04	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 15:04	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 15:04	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 15:04	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 15:04	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 15:04	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 15:04	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 15:04	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 15:04	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 15:04	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 15:04	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 15:04	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 15:04	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 15:04	WG1104412
Methylene Chloride	U		1.07	2.50	1	04/28/2018 15:04	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 15:04	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 15:04	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 15:04	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 15:04	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 15:04	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 15:04	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 15:04	WG1104412
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 15:04	WG1104412
Tetrachloroethene	0.950		0.199	0.500	1	05/02/2018 00:38	WG1104412
Toluene	U		0.412	0.500	1	04/28/2018 15:04	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 15:04	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 15:04	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 15:04	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 15:04	WG1104412
Trichloroethene	0.240	J	0.153	0.500	1	05/02/2018 00:38	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 15:04	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 15:04	WG1104412
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 15:04	WG1104412
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 15:04	WG1104412
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 15:04	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/28/2018 15:04	WG1104412
Vinyl chloride	104		0.118	0.500	1	04/28/2018 15:04	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 15:04	WG1104412
(S) Toluene-d8	*103*			*80.0-120*		*04/28/2018 15:04*	WG1104412
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2018 00:38*	WG1104412
(S) Dibromofluoromethane	*103*			*76.0-123*		*05/02/2018 00:38*	WG1104412
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/28/2018 15:04*	WG1104412
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*05/02/2018 00:38*	WG1104412
(S) 4-Bromofluorobenzene	*90.5*			*80.0-120*		*04/28/2018 15:04*	WG1104412

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/27/2018 20:18	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/27/2018 20:18*	WG1104101

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.86	J	1.05	25.0	1	04/28/2018 15:23	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 15:23	WG1104412
Benzene	U		0.0896	0.500	1	04/28/2018 15:23	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 15:23	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 15:23	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 15:23	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 15:23	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 15:23	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 15:23	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 15:23	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 15:23	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 15:23	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 15:23	WG1104412
Chlorobenzene	U		0.140	0.500	1	04/28/2018 15:23	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 15:23	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 15:23	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 15:23	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 15:23	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 15:23	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 15:23	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 15:23	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 15:23	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 15:23	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 15:23	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 15:23	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 15:23	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 15:23	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 15:23	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 15:23	WG1104412
1,1-Dichloroethene	U		0.188	0.500	1	04/28/2018 15:23	WG1104412
cis-1,2-Dichloroethene	1.09		0.0933	0.500	1	05/02/2018 00:58	WG1104412
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/28/2018 15:23	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 15:23	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 15:23	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 15:23	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 15:23	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 15:23	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 15:23	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 15:23	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 15:23	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 15:23	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 15:23	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 15:23	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 15:23	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 15:23	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 15:23	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 15:23	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 15:23	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/28/2018 15:23	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 15:23	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 15:23	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 15:23	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 15:23	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 15:23	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 15:23	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 15:23	WG1104412
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 15:23	WG1104412
Tetrachloroethene	0.964		0.199	0.500	1	05/02/2018 00:58	WG1104412
Toluene	U		0.412	0.500	1	04/28/2018 15:23	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 15:23	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 15:23	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 15:23	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 15:23	WG1104412
Trichloroethene	0.358	J	0.153	0.500	1	05/02/2018 00:58	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 15:23	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 15:23	WG1104412
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 15:23	WG1104412
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 15:23	WG1104412
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 15:23	WG1104412
Vinyl acetate	U		0.645	5.00	1	04/28/2018 15:23	WG1104412
Vinyl chloride	0.964		0.118	0.500	1	04/28/2018 15:23	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 15:23	WG1104412
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 15:23*	WG1104412
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2018 00:58*	WG1104412
(S) Dibromofluoromethane	*99.9*			*76.0-123*		*04/28/2018 15:23*	WG1104412
(S) Dibromofluoromethane	*107*			*76.0-123*		*05/02/2018 00:58*	WG1104412
(S) 4-Bromofluorobenzene	*92.1*			*80.0-120*		*04/28/2018 15:23*	WG1104412
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*05/02/2018 00:58*	WG1104412

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/27/2018 14:27	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-122*		*04/27/2018 14:27*	WG1104101

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.52	J	1.05	25.0	1	04/28/2018 13:12	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 13:12	WG1104412
Benzene	U		0.0896	0.500	1	04/28/2018 13:12	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 13:12	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 13:12	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 13:12	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 13:12	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 13:12	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 13:12	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 13:12	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 13:12	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 13:12	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 13:12	WG1104412
Chlorobenzene	U		0.140	0.500	1	04/28/2018 13:12	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 13:12	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 13:12	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 13:12	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 13:12	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 13:12	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 13:12	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 13:12	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 13:12	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 13:12	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 13:12	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 13:12	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 13:12	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 13:12	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 13:12	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 13:12	WG1104412
1,1-Dichloroethene	U		0.188	0.500	1	04/28/2018 13:12	WG1104412
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/28/2018 13:12	WG1104412
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/28/2018 13:12	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 13:12	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 13:12	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 13:12	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 13:12	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 13:12	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 13:12	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 13:12	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 13:12	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 13:12	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 13:12	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 13:12	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 13:12	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 13:12	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 13:12	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 13:12	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 13:12	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/28/2018 13:12	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 13:12	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 13:12	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 13:12	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 13:12	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 13:12	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 13:12	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 13:12	WG1104412
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 13:12	WG1104412
Tetrachloroethene	U		0.199	0.500	1	04/28/2018 13:12	WG1104412
Toluene	U		0.412	0.500	1	04/28/2018 13:12	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 13:12	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 13:12	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 13:12	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 13:12	WG1104412
Trichloroethene	U		0.153	0.500	1	04/28/2018 13:12	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 13:12	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 13:12	WG1104412
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 13:12	WG1104412
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 13:12	WG1104412
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 13:12	WG1104412
Vinyl acetate	U		0.645	5.00	1	04/28/2018 13:12	WG1104412
Vinyl chloride	U		0.118	0.500	1	04/28/2018 13:12	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 13:12	WG1104412
(S) Toluene-d8	*104*			*80.0-120*		*04/28/2018 13:12*	WG1104412
(S) Dibromofluoromethane	*99.2*			*76.0-123*		*04/28/2018 13:12*	WG1104412
(S) 4-Bromofluorobenzene	*93.0*			*80.0-120*		*04/28/2018 13:12*	WG1104412

L989149-02 Original Sample (OS) • Duplicate (DUP)

(OS) L989149-02 05/02/18 20:26 • (DUP) R3306686-1 05/02/18 20:33

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	542000	558000	1	2.84		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L989695-08 Original Sample (OS) • Duplicate (DUP)

(OS) L989695-08 05/03/18 03:37 • (DUP) R3306686-4 05/03/18 03:44

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Alkalinity	416000	424000	1	2.09		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306686-2 05/02/18 21:35 • (LCSD) R3306686-3 05/02/18 23:52

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Alkalinity	100000	106000	105000	106	105	85.0-115			1.08	20

Sample Narrative:

LCS: Endpoint pH 4.5

LCSD: Endpoint pH 4.5

Method Blank (MB)

(MB) R3305510-1 04/27/18 13:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L988871-03 Original Sample (OS) • Duplicate (DUP)

(OS) L988871-03 04/27/18 16:57 • (DUP) R3305510-4 04/27/18 17:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	10300	10300	1	0.455		15
Nitrate	U	0.000	1	0.000		15
Sulfate	U	0.000	1	0.000		15

L989149-04 Original Sample (OS) • Duplicate (DUP)

(OS) L989149-04 04/28/18 00:24 • (DUP) R3305510-7 04/28/18 01:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	27800	27900	1	0.278		15
Nitrate	U	0.000	1	0.000		15
Sulfate	4510	4540	1	0.601	J	15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305510-2 04/27/18 13:19 • (LCSD) R3305510-3 04/27/18 13:35

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Chloride	40000	39900	39800	99.6	99.6	80.0-120			0.0246	15
Nitrate	8000	8320	8320	104	104	80.0-120			0.0108	15
Sulfate	40000	39800	39900	99.4	99.7	80.0-120			0.215	15

L988871-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988871-03 04/27/18 16:57 • (MS) R3305510-5 04/27/18 17:28 • (MSD) R3305510-6 04/27/18 17:43

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	10300	61300	61700	102	103	1	80.0-120			0.688	15
Nitrate	5000	U	5010	5120	100	102	1	80.0-120			2.20	15
Sulfate	50000	U	49700	49600	99.3	99.2	1	80.0-120			0.115	15

L989149-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L989149-04 04/28/18 00:24 • (MS) R3305510-8 04/28/18 01:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	27800	78000	100	1	80.0-120	
Nitrate	5000	U	5030	101	1	80.0-120	
Sulfate	50000	4510	53600	98.2	1	80.0-120	

Method Blank (MB)

(MB) R3305598-1 04/28/18 14:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TOC (Total Organic Carbon)	U		102	1000

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305598-2 04/28/18 16:10 • (LCSD) R3305598-3 04/28/18 18:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TOC (Total Organic Carbon)	75000	72500	72300	96.7	96.4	85.0-115			0.290	20

Method Blank (MB)

(MB) R3305944-1 04/30/18 20:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		15.0	100
Manganese	0.605	J	0.250	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305944-2 04/30/18 20:37 • (LCSD) R3305944-3 04/30/18 20:42

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iron	5000	4670	4680	93.4	93.5	80.0-120			0.117	20
Manganese	50.0	46.5	46.7	93.0	93.4	80.0-120			0.471	20

L989335-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L989335-01 04/30/18 20:47 • (MS) R3305944-5 04/30/18 20:56 • (MSD) R3305944-6 04/30/18 21:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	5000	94.0	4680	4710	91.8	92.4	1	75.0-125			0.614	20
Manganese	50.0	1.83	46.6	48.4	89.6	93.1	1	75.0-125			3.71	20

Method Blank (MB)

(MB) R3306837-3 04/27/18 13:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306837-1 04/27/18 12:00 • (LCSD) R3306837-2 04/27/18 12:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4920	4870	89.4	88.6	72.0-134			0.895	20
(S) a,a,a-Trifluorotoluene(FID)				*102*	*102*	*77.0-122*				

L988654-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988654-06 04/27/18 14:50 • (MS) R3306837-4 04/27/18 20:41 • (MSD) R3306837-5 04/27/18 21:05

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	ND	3580	3580	65.1	65.2	1	23.0-159			0.103	20
(S) a,a,a-Trifluorotoluene(FID)					*99.5*	*99.6*		*77.0-122*				

Method Blank (MB)

(MB) R3306779-1 05/03/18 10:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L989156-01 Original Sample (OS) • Duplicate (DUP)

(OS) L989156-01 05/03/18 11:20 • (DUP) R3306779-2 05/03/18 11:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	U	0.000	1	0.000		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

L989156-03 Original Sample (OS) • Duplicate (DUP)

(OS) L989156-03 05/03/18 11:36 • (DUP) R3306779-5 05/03/18 12:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	U	0.000	1	0.000		20
Ethane	U	0.000	1	0.000		20
Ethene	U	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306779-6 05/03/18 12:08 • (LCSD) R3306779-7 05/03/18 12:11

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	71.1	76.6	105	113	85.0-115			7.50	20
Ethane	129	112	114	86.8	88.5	85.0-115			1.99	20
Ethene	127	114	116	89.6	91.0	85.0-115			1.54	20

L988871-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L988871-05 05/03/18 10:45 • (MS) R3306779-3 05/03/18 11:27 • (MSD) R3306779-4 05/03/18 11:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methane	67.8	3840	3840	3850	6.97	16.6	1	85.0-115	V	V	0.170	20
Ethane	129	180	257	270	60.0	69.8	1	85.0-115	J6	J6	4.81	20
Ethene	127	U	82.9	94.8	65.3	74.6	1	85.0-115	J6	J6	13.3	20

Method Blank (MB)

(MB) R3306183-2 04/28/18 09:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromochloromethane	U		0.145	0.500
Bromodichloromethane	U		0.0800	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
Carbon disulfide	U		0.101	0.500
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
2-Hexanone	U		0.757	5.00
cis-1,3-Dichloropropene	U		0.0976	0.500
n-Hexane	U		0.305	5.00
trans-1,3-Dichloropropene	U		0.222	0.500

Method Blank (MB)

(MB) R3306183-2 04/28/18 09:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2,2-Dichloropropane	U		0.0929	0.500
Iodomethane	U		0.377	10.0
Di-isopropyl ether	U		0.0924	0.500
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
Vinyl acetate	U		0.645	5.00
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*99.3*			*76.0-123*
(S) 4-Bromofluorobenzene	*93.4*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3306183-1 04/28/18 08:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromochloromethane	25.0	21.6	86.5	76.0-122	
Carbon disulfide	25.0	22.1	88.6	55.0-127	
trans-1,4-Dichloro-2-butene	25.0	21.8	87.4	55.0-134	
2-Hexanone	125	113	90.7	58.0-147	
n-Hexane	25.0	24.1	96.5	56.0-124	
Iodomethane	125	111	88.6	57.0-140	
Acetone	125	118	94.5	10.0-160	
Acrylonitrile	125	104	83.4	60.0-142	
Benzene	25.0	21.9	87.5	69.0-123	
Bromobenzene	25.0	20.1	80.4	79.0-120	
Bromodichloromethane	25.0	21.6	86.4	76.0-120	
Bromoform	25.0	20.2	80.7	67.0-132	
Bromomethane	25.0	24.6	98.6	18.0-160	
n-Butylbenzene	25.0	23.7	94.8	72.0-126	
sec-Butylbenzene	25.0	22.7	90.7	74.0-121	
tert-Butylbenzene	25.0	22.0	87.8	75.0-122	
Carbon tetrachloride	25.0	20.8	83.4	63.0-122	
Chlorobenzene	25.0	22.3	89.3	79.0-121	
Chlorodibromomethane	25.0	22.1	88.4	75.0-125	
Chloroethane	25.0	24.7	98.7	47.0-152	
Chloroform	25.0	21.8	87.2	72.0-121	
Chloromethane	25.0	24.7	99.0	48.0-139	
2-Chlorotoluene	25.0	21.1	84.2	74.0-122	
Vinyl acetate	125	122	97.3	46.0-160	
4-Chlorotoluene	25.0	20.9	83.7	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	20.8	83.0	64.0-127	
1,2-Dibromoethane	25.0	22.0	88.0	77.0-123	
Dibromomethane	25.0	21.9	87.5	78.0-120	
1,2-Dichlorobenzene	25.0	21.8	87.3	80.0-120	
1,3-Dichlorobenzene	25.0	21.8	87.2	72.0-123	
1,4-Dichlorobenzene	25.0	21.6	86.3	77.0-120	
Dichlorodifluoromethane	25.0	24.2	96.7	49.0-155	
1,1-Dichloroethane	25.0	22.7	90.8	70.0-126	
1,2-Dichloroethane	25.0	22.2	89.0	67.0-126	
1,1-Dichloroethene	25.0	22.1	88.3	64.0-129	
cis-1,2-Dichloroethene	25.0	21.5	86.1	73.0-120	
trans-1,2-Dichloroethene	25.0	21.5	86.0	71.0-121	
1,2-Dichloropropane	25.0	22.8	91.0	75.0-125	
1,1-Dichloropropene	25.0	22.5	90.1	71.0-129	
1,3-Dichloropropane	25.0	22.4	89.6	80.0-121	

Laboratory Control Sample (LCS)

(LCS) R3306183-1 04/28/18 08:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
cis-1,3-Dichloropropene	25.0	23.1	92.3	79.0-123	
trans-1,3-Dichloropropene	25.0	22.6	90.6	74.0-127	
2,2-Dichloropropane	25.0	23.0	92.2	60.0-125	
Di-isopropyl ether	25.0	23.4	93.6	59.0-133	
Ethylbenzene	25.0	22.8	91.3	77.0-120	
Hexachloro-1,3-butadiene	25.0	24.3	97.3	64.0-131	
Isopropylbenzene	25.0	21.1	84.5	75.0-120	
p-Isopropyltoluene	25.0	22.7	90.9	74.0-126	
2-Butanone (MEK)	125	110	88.2	37.0-158	
Methylene Chloride	25.0	21.2	84.7	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	115	91.8	59.0-143	
Methyl tert-butyl ether	25.0	21.3	85.2	64.0-123	
Naphthalene	25.0	22.0	88.0	62.0-128	
n-Propylbenzene	25.0	21.3	85.2	79.0-120	
Styrene	25.0	20.4	81.8	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	22.1	88.2	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	19.6	78.2	71.0-122	
Tetrachloroethene	25.0	22.1	88.2	70.0-127	
Toluene	25.0	22.0	88.0	77.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	23.1	92.3	61.0-136	
1,2,3-Trichlorobenzene	25.0	23.3	93.2	61.0-133	
1,2,4-Trichlorobenzene	25.0	23.5	94.2	69.0-129	
1,1,1-Trichloroethane	25.0	22.5	90.2	68.0-122	
1,1,2-Trichloroethane	25.0	21.3	85.2	78.0-120	
Trichloroethene	25.0	22.0	87.9	78.0-120	
Trichlorofluoromethane	25.0	24.0	96.2	56.0-137	
1,2,3-Trichloropropane	25.0	20.1	80.4	72.0-124	
1,2,3-Trimethylbenzene	25.0	22.4	89.5	75.0-120	
1,2,4-Trimethylbenzene	25.0	21.8	87.4	75.0-120	
1,3,5-Trimethylbenzene	25.0	21.3	85.1	75.0-120	
Vinyl chloride	25.0	25.8	103	64.0-133	
Xylenes, Total	75.0	67.1	89.5	77.0-120	
(S) Toluene-d8			*104*	*80.0-120*	
(S) Dibromofluoromethane			*98.2*	*76.0-123*	
(S) 4-Bromofluorobenzene			*92.2*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

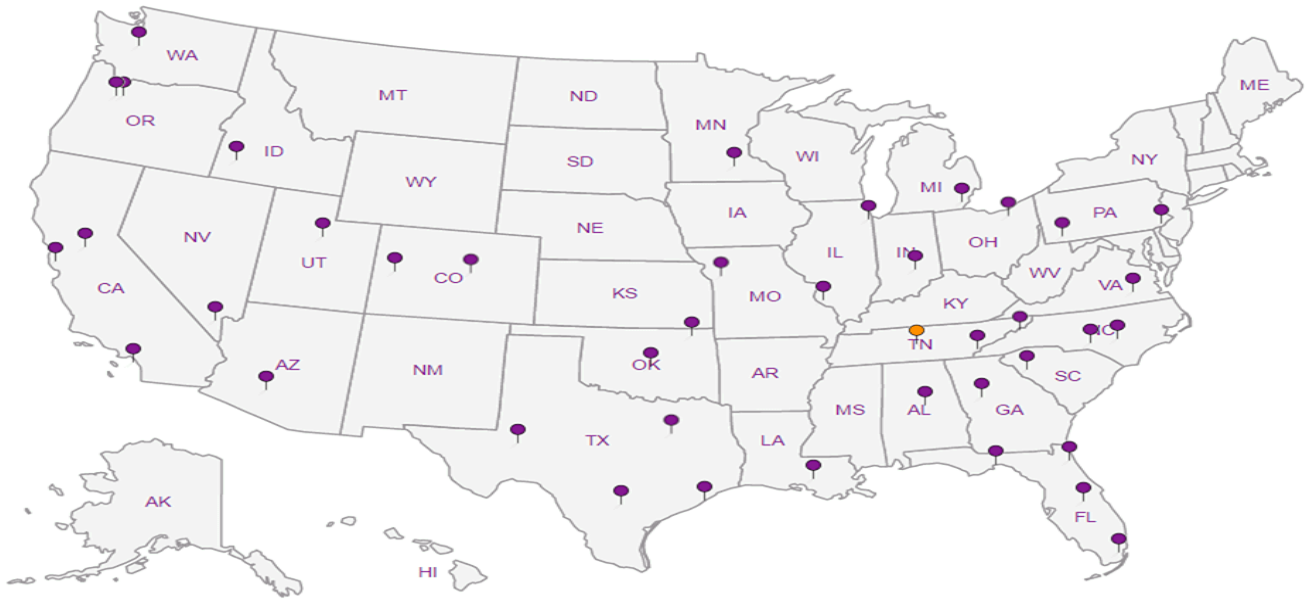
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Linen

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt VOC screen 2oz Clr NoPres	NO3,SO4,Cl,Alk 250ml HDPE no HNO3	NWTPH-GX 40ml Amb HCl	BSK 175LL(EEH) 40ml Amb HCl	TOC 250ml Amb -HCl	Total Fe Mn 6020 250ml HDPE HNO3	VOCs 40ml Amb HCl			Remarks	Sample # (lab only)
IW-4C-042618	Grab	~~SS~~ GW		4/26/18	0808	3				X				X				-01
MW-132-042618		~~SS~~ GW		4/26/18	0924	11			X	X	X	X	X	X				02
MW-156-042618		~~SS~~ GW		4/26/18	1205	11			X	X	X	X	X	X				03
MW-157-042618		~~SS~~ GW		4/26/18	1311	11			X	X	X	X	X	X				04
MW-159-042618		~~SS~~ GW		4/26/18	1406	6				X				X				05
TRIPBLANK-042618		~~SS~~		4/26/18		1				X				X				06
		~~SS~~																
		~~SS~~																
		~~SS~~																
		~~SS~~																

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 4196 3258 8014

Trip Blank Received: (Yes) / No
HCl / MeoH
TBR

Temp: 0.1 °C Bottles Received: 42

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received by: (Signatu e)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 4/27/18 Time: 8:45

Chain of Custody Page 1 of 1

ESC LAB SCIENCES
a subsidiary of Mourant

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L989149
D155

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEx Ground

From: Brian Ford
To: Shannon E. McKernan
Cc: Bill Haldeman
Subject: RE: Elevated NWTPH-Gx Sample Request
Date: June 6, 2018 1:18:29 PM
Attachments: image001.png
L995641 NWTPHGX.PDF
L995641 V8260LLC.PDF
L989149 NWTPHGX.PDF
L989149 V8260LLC.PDF
L988839 NWTPHGX.PDF
L988839 V8260LLC.PDF
L984615 NWTPHGX.PDF
L984615 V8260LLC.PDF

Shannon,

Yes, it appears that the CVOCs are the main contribution to the GX detections in these samples. CVOCs are considered part of the gasoline range organics. I have attached the chromatograms.

Thanks,

Brian Ford
Technical Service Representative
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772
bford@esclabsciences.com | www.esclabsciences.com

From: Shannon E. McKernan [mailto:SMcKernan@pesenv.com]
Sent: Wednesday, June 6, 2018 12:37 PM
To: Brian Ford
Cc: Bill Haldeman
Subject: Elevated NWTPH-Gx Sample Request

Hi Brian-

We have several groundwater samples with results from our American Linen project that show elevated NWTPH-Gx results. We would like to confirm if the concentrations are indeed high or if they could be biased high due to elevated CVOC concentrations. We've had several in the past that you confirmed this is likely the case to be. The samples are:

1. L984615
    a. -04
    b. -06
    c. -07
2. L988839

    a. -02 (previously reported high, indicated high CVOC interference with NWTPH-Gx chromatographic profile)
2. L989149
    a. -02
    b. -03
3. L995641
    a. -06 (previously reported high, indicated high CVOC interference with NWTPH-Gx chromatographic profile)

Thanks for checking these!

Shannon McKernan
Staff Geologist

PES Environmental, Inc.

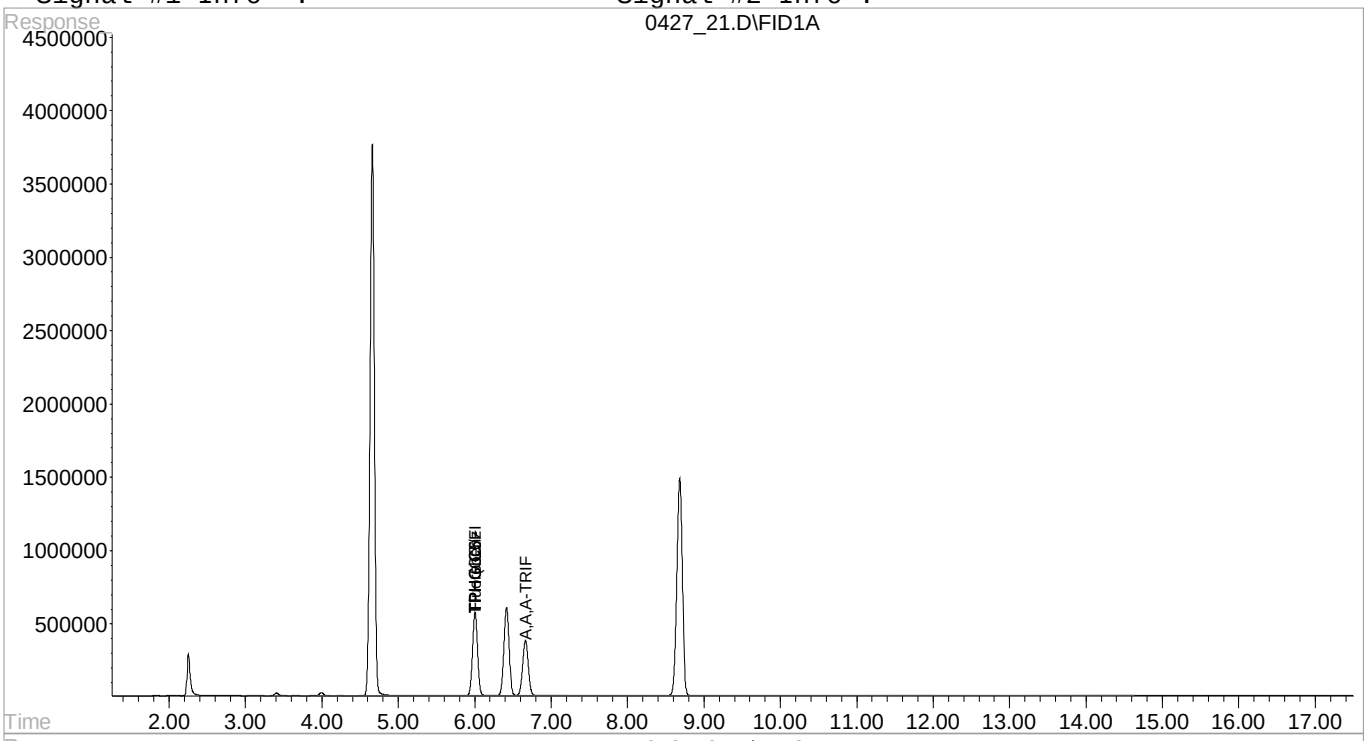
1215 4th Avenue, Suite 1350
Seattle, WA 98161
Phone: (206) 529-3980, Ext. #111
Fax: (206) 529-3985
Cell: (813) 777-7575
Email: smckernan@pesenv.com

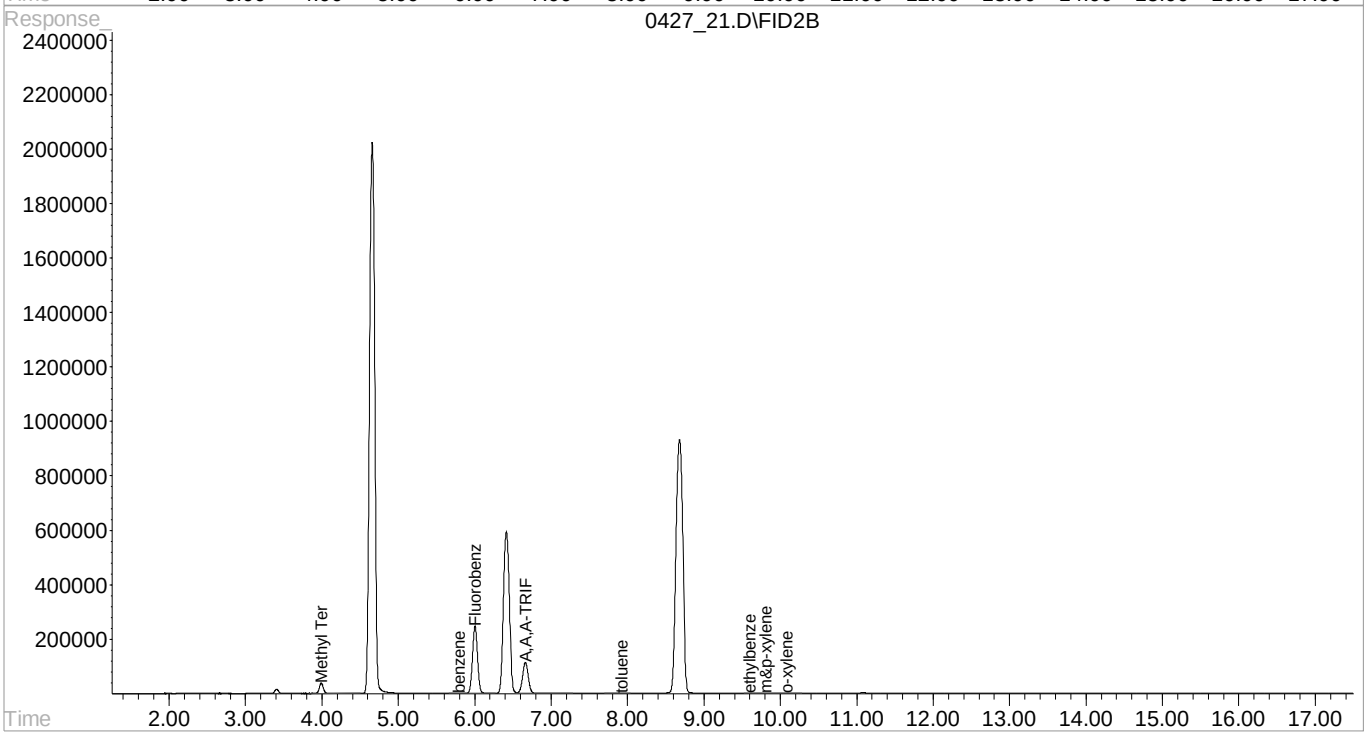
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\042718\0427_21.D\FID1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\042718\0427_21.D\FID2B.CH
Acq On : 27 Apr 2018 7:08 pm Operator: 621
Sample : L989149-02 1x WG1104101 Inst : VOCGC3
Misc : WATER Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: May 3 14:12 2018 Quant Results File: BG03D09R.RES

Quant Method : C:\HPCHEM\1\METHODS\BG03D09R.M (Chemstation Integrator)
Title : WIS GRO VOCGC03
Last Update : Tue Apr 10 08:39:07 2018
Response via : Single Level Calibration
DataAcq Meth : BTEXGRO.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



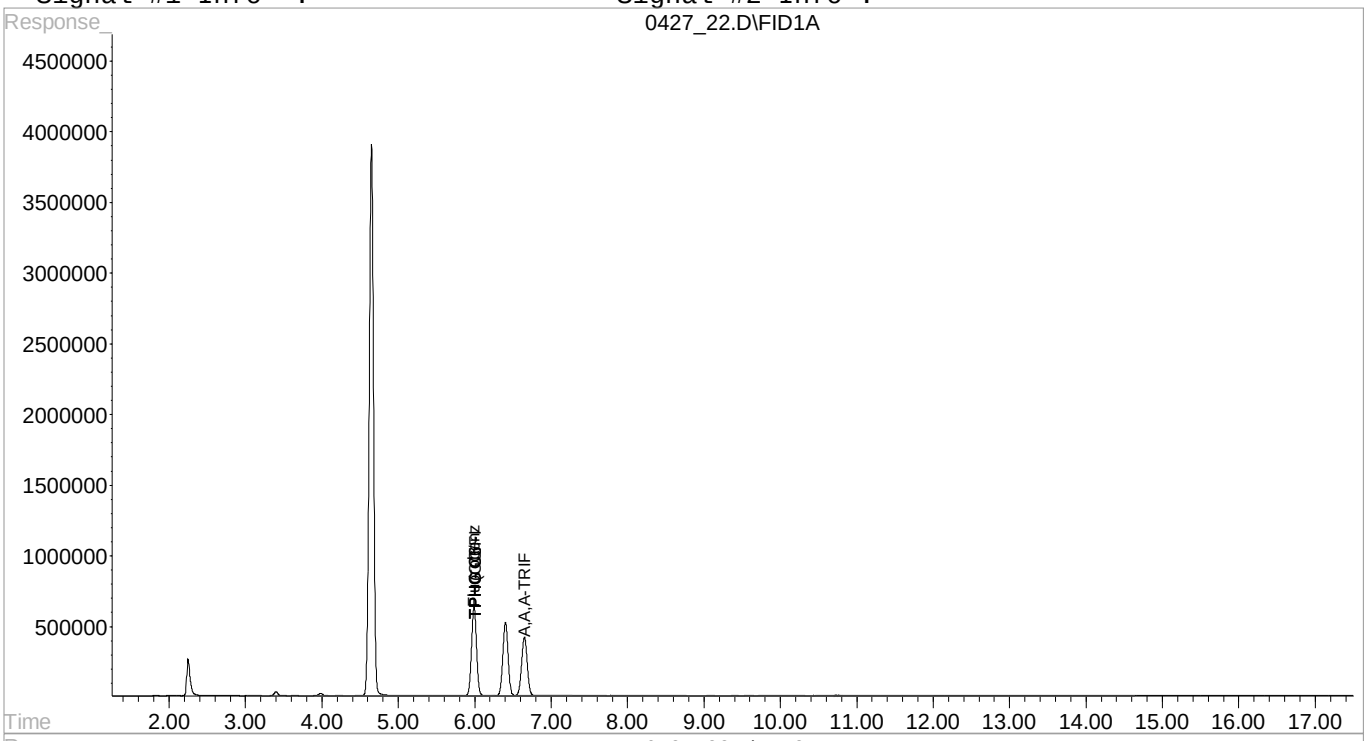


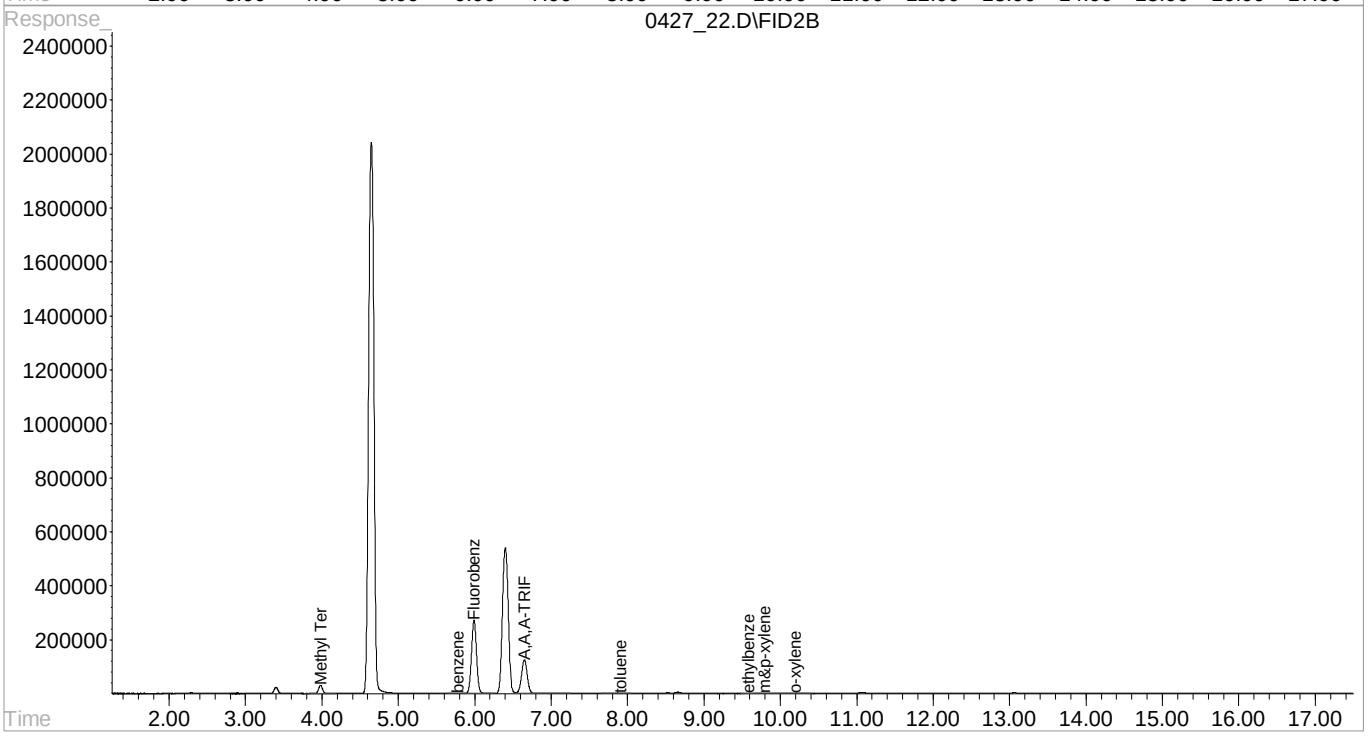
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\042718\0427_22.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\042718\0427_22.D\FID2B.CH
Acq On : 27 Apr 2018 7:32 pm Operator: 621
Sample : L989149-03 1x WG1104101 Inst : VOCGC3
Misc : WATER Multiplr: 1.00
IntFile Signal #1: BTEX.E IntFile Signal #2: EVENTS3.E
Quant Time: May 3 14:12 2018 Quant Results File: BG03D09R.RES

Quant Method : C:\HPCHEM\1\METHODS\BG03D09R.M (Chemstation Integrator)
Title : WIS GRO VOCGC03
Last Update : Tue Apr 10 08:39:07 2018
Response via : Single Level Calibration
DataAcq Meth : BTEXGRO.M

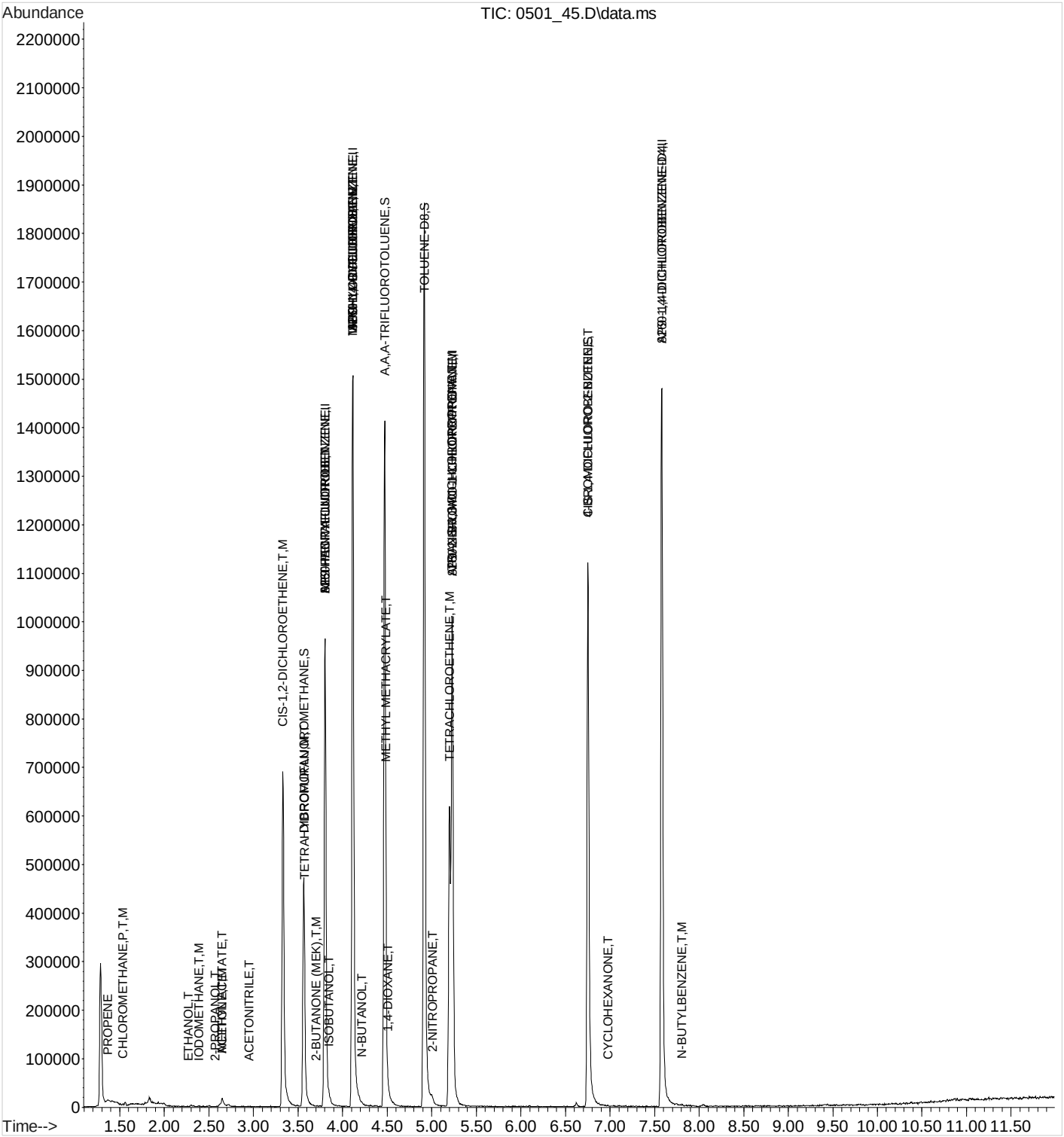
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Data Path : C:\msdchem\1\data\050118\
Data File : 0501_45.D
Acq On : 2 May 2018 3:59 am
Operator : 605
Sample : L989149-02 100x WG1104412 RE
Misc : water
ALS Vial : 45 Sample Multiplier: 100

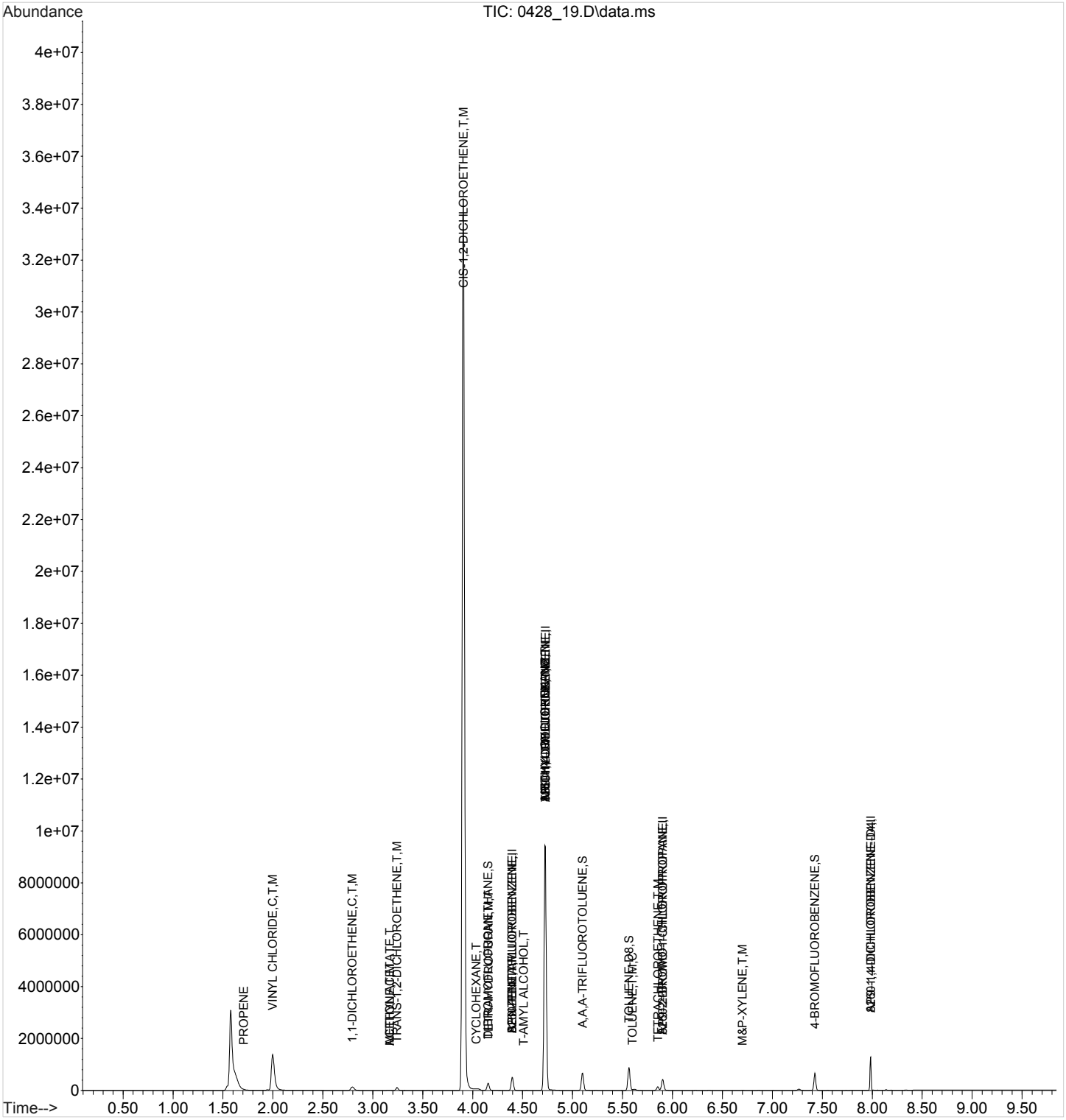
InstName : VOCMS21
Quant Time: May 02 14:14:43 2018
Quant Method : C:\msdchem\1\methods\V821D03R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS21
QLast Update : Wed Apr 04 09:35:08 2018
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

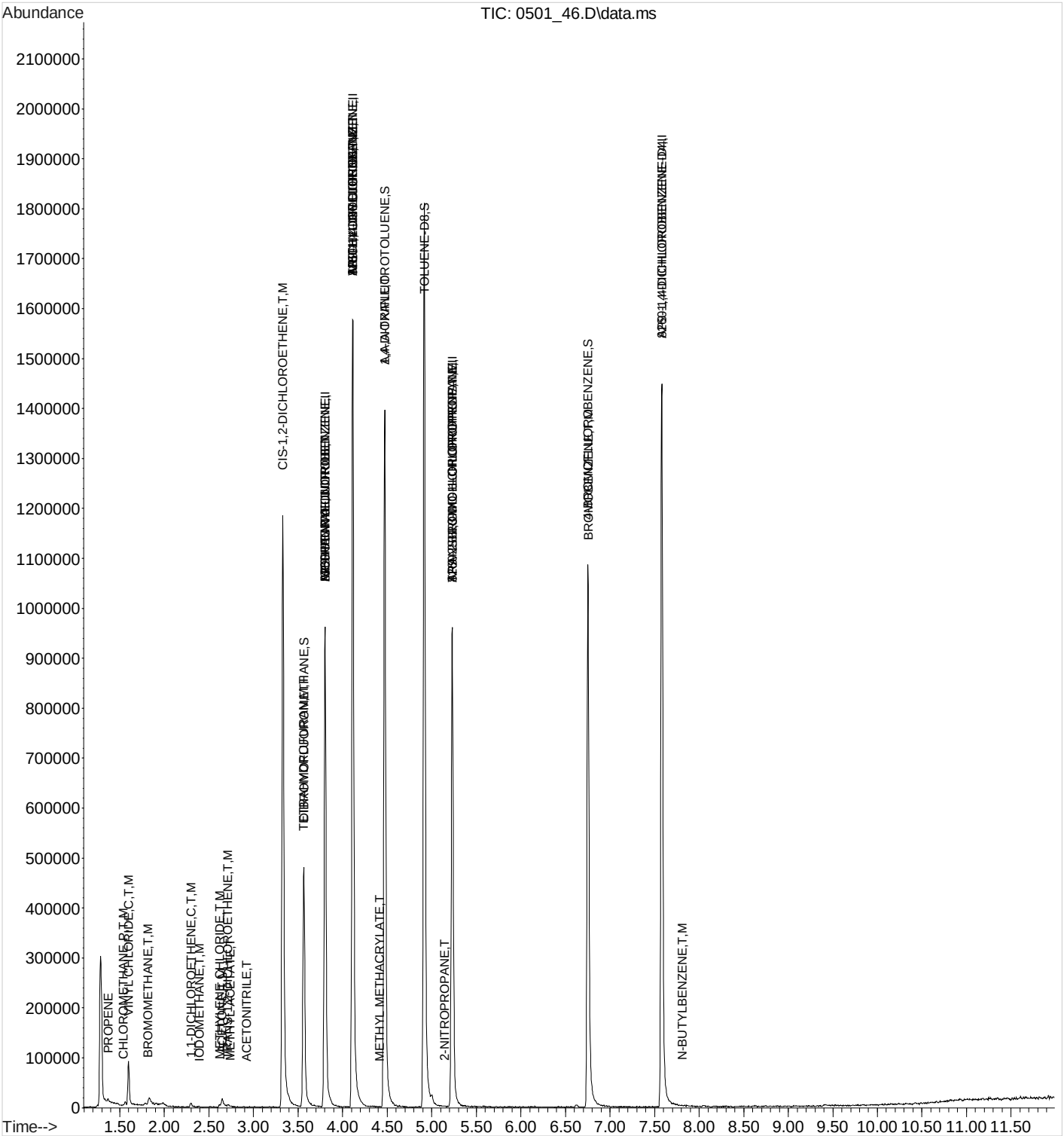
Data Path : C:\msdchem\1\data\042818\
Data File : 0428_19.D
Acq On : 28 Apr 2018 2:46 pm
Operator : 189
Sample : L989149-03 1x WG1104412
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : VOCMS38

Quant Time: May 01 18:28:26 2018
Quant Method : C:\msdchem\1\methods\V838D19R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS38
QLast Update : Thu Apr 19 11:25:17 2018
Response via : Initial Calibration



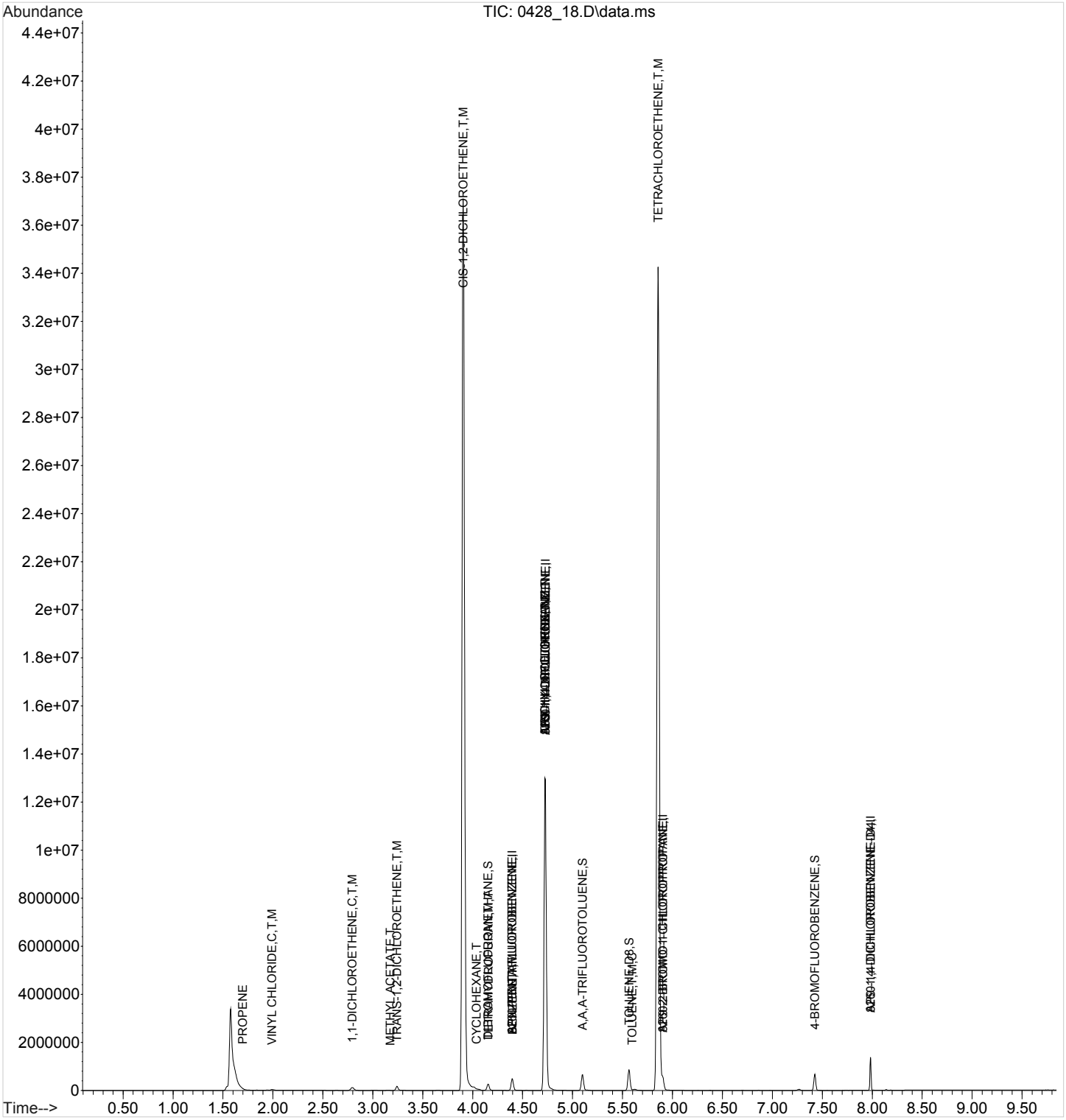
Data Path : C:\msdchem\1\data\050118\
Data File : 0501_46.D
Acq On : 2 May 2018 4:19 am
Operator : 605
Sample : L989149-03 50x WG1104412 RE
Misc : water
ALS Vial : 46 Sample Multiplier: 50

InstName : VOCMS21
Quant Time: May 02 14:15:06 2018
Quant Method : C:\msdchem\1\methods\V821D03R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS21
QLast Update : Wed Apr 04 09:35:08 2018
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\042818\
Data File : 0428_18.D
Acq On : 28 Apr 2018 2:27 pm
Operator : 189
Sample : L989149-02 1x WG1104412
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : VOCMS38

Quant Time: May 01 17:22:53 2018
Quant Method : C:\msdchem\1\methods\V838D19R.M
Quant Title : Env. Science Corp. 8260B/6210D/624 - VOCMS38
QLast Update : Thu Apr 19 11:25:17 2018
Response via : Initial Calibration



Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	2.54 U	J	1.05	25.0	1	04/28/2018 14:08	WG1104412	
Acrylonitrile	U		0.873	5.00	1	04/28/2018 14:08	WG1104412	
Benzene	0.158 J	J	0.0896	0.500	1	04/28/2018 14:08	WG1104412	
Bromobenzene	U		0.133	0.500	1	04/28/2018 14:08	WG1104412	
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 14:08	WG1104412	
Bromochloromethane	U		0.145	0.500	1	04/28/2018 14:08	WG1104412	
Bromoform	U		0.186	0.500	1	04/28/2018 14:08	WG1104412	
Bromomethane	U		0.157	2.50	1	04/28/2018 14:08	WG1104412	
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 14:08	WG1104412	
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 14:08	WG1104412	
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 14:08	WG1104412	
Carbon disulfide	U		0.101	0.500	1	04/28/2018 14:08	WG1104412	
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 14:08	WG1104412	
Chlorobenzene	U		0.140	0.500	1	04/28/2018 14:08	WG1104412	
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 14:08	WG1104412	
Chloroethane	U		0.141	2.50	1	04/28/2018 14:08	WG1104412	
Chloroform	U		0.0860	0.500	1	04/28/2018 14:08	WG1104412	
Chloromethane	U		0.153	1.25	1	04/28/2018 14:08	WG1104412	
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 14:08	WG1104412	
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 14:08	WG1104412	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 14:08	WG1104412	
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 14:08	WG1104412	
Dibromomethane	U		0.117	0.500	1	04/28/2018 14:08	WG1104412	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 14:08	WG1104412	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 14:08	WG1104412	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 14:08	WG1104412	
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 14:08	WG1104412	
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 14:08	WG1104412	
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 14:08	WG1104412	
1,1-Dichloroethene	9.35		0.188	0.500	1	04/28/2018 14:08	WG1104412	
cis-1,2-Dichloroethene	5080		93.3	500	1000	05/02/2018 03:39	WG1104412	
trans-1,2-Dichloroethene	2.17		0.152	0.500	1	04/28/2018 14:08	WG1104412	
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 14:08	WG1104412	
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 14:08	WG1104412	
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 14:08	WG1104412	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 14:08	WG1104412	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 14:08	WG1104412	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 14:08	WG1104412	
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 14:08	WG1104412	
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 14:08	WG1104412	
Ethylbenzene	U		0.158	0.500	1	04/28/2018 14:08	WG1104412	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 14:08	WG1104412	
2-Hexanone	U		0.757	5.00	1	04/28/2018 14:08	WG1104412	
n-Hexane	U		0.305	5.00	1	04/28/2018 14:08	WG1104412	
Iodomethane	U		0.377	10.0	1	04/28/2018 14:08	WG1104412	
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 14:08	WG1104412	
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 14:08	WG1104412	
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 14:08	WG1104412	
Methylene Chloride	U		1.07	2.50	1	04/28/2018 14:08	WG1104412	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 14:08	WG1104412	
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 14:08	WG1104412	
Naphthalene	U		0.174	2.50	1	04/28/2018 14:08	WG1104412	
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 14:08	WG1104412	
Styrene	U		0.117	0.500	1	04/28/2018 14:08	WG1104412	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 14:08	WG1104412	JC 6/11/18
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 14:08	WG1104412	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 14:08	WG1104412
Tetrachloroethene	22300		199	500	1000	05/02/2018 03:39	WG1104412
Toluene	0.918		0.412	0.500	1	04/28/2018 14:08	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 14:08	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 14:08	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 14:08	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 14:08	WG1104412
Trichloroethene	1860		153	500	1000	05/02/2018 03:39	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 14:08	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 14:08	WG1104412
1,2,4-Trimethylbenzene	0.642		0.123	0.500	1	04/28/2018 14:08	WG1104412
1,2,3-Trimethylbenzene	0.311 J	J	0.0739	0.500	1	04/28/2018 14:08	WG1104412
1,3,5-Trimethylbenzene	0.207 J	J	0.124	0.500	1	04/28/2018 14:08	WG1104412
Vinyl acetate	U		0.645	5.00	1	04/28/2018 14:08	WG1104412
Vinyl chloride	29.7		0.118	0.500	1	04/28/2018 14:08	WG1104412
Xylenes, Total	0.647 J	J	0.316	1.50	1	04/28/2018 14:08	WG1104412
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 14:08*	WG1104412
(S) Toluene-d8	*100*			*80.0-120*		*05/02/2018 03:39*	WG1104412
(S) Dibromofluoromethane	*107*			*76.0-123*		*05/02/2018 03:39*	WG1104412
(S) Dibromofluoromethane	*91.9*			*76.0-123*		*04/28/2018 14:08*	WG1104412
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*05/02/2018 03:39*	WG1104412
(S) 4-Bromofluorobenzene	*89.9*			*80.0-120*		*04/28/2018 14:08*	WG1104412

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Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	542000		2710	20000	1	05/02/2018 20:26	WG1105009

Sample Narrative:
L989149-02 WG1105009: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	30100		51.9	1000	1	04/27/2018 23:54	WG1103968
Nitrate	U		22.7	100	1	04/27/2018 23:54	WG1103968
Sulfate	10600		77.4	5000	1	04/27/2018 23:54	WG1103968

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	18600		102	1000	1	04/29/2018 02:20	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	9590		15.0	100	1	04/30/2018 21:05	WG1104177
Manganese	2040		0.250	5.00	1	04/30/2018 21:05	WG1104177

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	2630		31.6	100	1	04/27/2018 19:08	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-122*		*04/27/2018 19:08*	WG1104101

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	4640		0.287	0.678	1	05/03/2018 11:05	WG1106076
Ethane	75.9		0.296	1.29	1	05/03/2018 11:05	WG1106076
Ethene	U		0.422	1.27	1	05/03/2018 11:05	WG1106076

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/28/2018 14:27	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 14:27	WG1104412
Benzene	0.422 J	J	0.0896	0.500	1	04/28/2018 14:27	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 14:27	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 14:27	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 14:27	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 14:27	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 14:27	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 14:27	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 14:27	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 14:27	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 14:27	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 14:27	WG1104412

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Chlorobenzene	U		0.140	0.500	1	04/28/2018 14:27	WG1104412	
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 14:27	WG1104412	
Chloroethane	U		0.141	2.50	1	04/28/2018 14:27	WG1104412	
Chloroform	U		0.0860	0.500	1	04/28/2018 14:27	WG1104412	
Chloromethane	U		0.153	1.25	1	04/28/2018 14:27	WG1104412	
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 14:27	WG1104412	
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 14:27	WG1104412	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 14:27	WG1104412	
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 14:27	WG1104412	
Dibromomethane	U		0.117	0.500	1	04/28/2018 14:27	WG1104412	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 14:27	WG1104412	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 14:27	WG1104412	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 14:27	WG1104412	
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 14:27	WG1104412	
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 14:27	WG1104412	
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 14:27	WG1104412	
1,1-Dichloroethene	18.1		0.188	0.500	1	04/28/2018 14:27	WG1104412	
cis-1,2-Dichloroethene	3300		9.33	50.0	100	05/02/2018 03:59	WG1104412	
trans-1,2-Dichloroethene	16.3		0.152	0.500	1	04/28/2018 14:27	WG1104412	
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 14:27	WG1104412	
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 14:27	WG1104412	
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 14:27	WG1104412	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 14:27	WG1104412	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 14:27	WG1104412	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 14:27	WG1104412	
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 14:27	WG1104412	
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 14:27	WG1104412	
Ethylbenzene	U		0.158	0.500	1	04/28/2018 14:27	WG1104412	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 14:27	WG1104412	
2-Hexanone	U		0.757	5.00	1	04/28/2018 14:27	WG1104412	
n-Hexane	U		0.305	5.00	1	04/28/2018 14:27	WG1104412	
Iodomethane	U		0.377	10.0	1	04/28/2018 14:27	WG1104412	
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 14:27	WG1104412	
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 14:27	WG1104412	
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 14:27	WG1104412	
Methylene Chloride	U		1.07	2.50	1	04/28/2018 14:27	WG1104412	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 14:27	WG1104412	
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 14:27	WG1104412	
Naphthalene	U		0.174	2.50	1	04/28/2018 14:27	WG1104412	
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 14:27	WG1104412	
Styrene	U		0.117	0.500	1	04/28/2018 14:27	WG1104412	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 14:27	WG1104412	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 14:27	WG1104412	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 14:27	WG1104412	
Tetrachloroethene	2830		19.9	50.0	100	05/02/2018 03:59	WG1104412	
Toluene	U		0.412	0.500	1	04/28/2018 14:27	WG1104412	
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 14:27	WG1104412	
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 14:27	WG1104412	
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 14:27	WG1104412	
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 14:27	WG1104412	
Trichloroethene	840		15.3	50.0	100	05/02/2018 03:59	WG1104412	
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 14:27	WG1104412	
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 14:27	WG1104412	
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 14:27	WG1104412	
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 14:27	WG1104412	JC 6/11/18
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 14:27	WG1104412	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/28/2018 14:27	WG1104412
Vinyl chloride	10.2		0.118	0.500	1	04/28/2018 14:27	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 14:27	WG1104412
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 14:27*	WG1104412
(S) Toluene-d8	*105*			*80.0-120*		*05/02/2018 03:59*	WG1104412
(S) Dibromofluoromethane	*108*			*76.0-123*		*05/02/2018 03:59*	WG1104412
(S) Dibromofluoromethane	*101*			*76.0-123*		*04/28/2018 14:27*	WG1104412
(S) 4-Bromofluorobenzene	*87.9*			*80.0-120*		*04/28/2018 14:27*	WG1104412
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*05/02/2018 03:59*	WG1104412

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	436000		2710	20000	1	05/02/2018 20:39	WG1105009

Sample Narrative:
L989149-03 WG1105009: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	46300		51.9	1000	1	04/28/2018 00:09	WG1103968
Nitrate	U		22.7	100	1	04/28/2018 00:09	WG1103968
Sulfate	25000		77.4	5000	1	04/28/2018 00:09	WG1103968

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10700		102	1000	1	04/29/2018 02:37	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	10200		15.0	100	1	04/30/2018 21:10	WG1104177
Manganese	1130		0.250	5.00	1	04/30/2018 21:10	WG1104177

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	1690		31.6	100	1	04/27/2018 19:32	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/27/2018 19:32*	WG1104101

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2250		0.287	0.678	1	05/03/2018 11:10	WG1106076
Ethane	28.4		0.296	1.29	1	05/03/2018 11:10	WG1106076
Ethene	23.8		0.422	1.27	1	05/03/2018 11:10	WG1106076

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	3.25 U	J	1.05	25.0	1	04/28/2018 14:46	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 14:46	WG1104412
Benzene	0.283 J	J	0.0896	0.500	1	04/28/2018 14:46	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 14:46	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 14:46	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 14:46	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 14:46	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 14:46	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 14:46	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 14:46	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 14:46	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 14:46	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 14:46	WG1104412

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/28/2018 14:46	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 14:46	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 14:46	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 14:46	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 14:46	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 14:46	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 14:46	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 14:46	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 14:46	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 14:46	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 14:46	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 14:46	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 14:46	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 14:46	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 14:46	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 14:46	WG1104412
1,1-Dichloroethene	20.7		0.188	0.500	1	04/28/2018 14:46	WG1104412
cis-1,2-Dichloroethene	2850		4.66	25.0	50	05/02/2018 04:19	WG1104412
trans-1,2-Dichloroethene	9.97		0.152	0.500	1	04/28/2018 14:46	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 14:46	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 14:46	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 14:46	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 14:46	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 14:46	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 14:46	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 14:46	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 14:46	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 14:46	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 14:46	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 14:46	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 14:46	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 14:46	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 14:46	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 14:46	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 14:46	WG1104412
Methylene Chloride	U		1.07	2.50	1	04/28/2018 14:46	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 14:46	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 14:46	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 14:46	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 14:46	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 14:46	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 14:46	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 14:46	WG1104412
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 14:46	WG1104412
Tetrachloroethene	U	UJ	9.95	25.0	50	05/02/2018 04:19	WG1104412
Toluene	0.479	J	0.412	0.500	1	04/28/2018 14:46	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 14:46	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 14:46	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 14:46	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 14:46	WG1104412
Trichloroethene	581		7.65	25.0	50	05/02/2018 04:19	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 14:46	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 14:46	WG1104412
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 14:46	WG1104412
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 14:46	WG1104412
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 14:46	WG1104412

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/28/2018 14:46	WG1104412
Vinyl chloride	407		5.90	25.0	50	05/02/2018 04:19	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 14:46	WG1104412
(S) Toluene-d8	*101*			*80.0-120*		*05/02/2018 04:19*	WG1104412
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 14:46*	WG1104412
(S) Dibromofluoromethane	*99.7*			*76.0-123*		*04/28/2018 14:46*	WG1104412
(S) Dibromofluoromethane	*108*			*76.0-123*		*05/02/2018 04:19*	WG1104412
(S) 4-Bromofluorobenzene	*91.2*			*80.0-120*		*04/28/2018 14:46*	WG1104412
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*05/02/2018 04:19*	WG1104412

Sample Narrative:

L989149-03 WG1104412: PCE not reportable at 1x due to possible carryover.

L989149-03 WG1104412: PCE cannot be re-analyzed at a lower dilution due to high levels of target analytes.

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Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	201000		2710	20000	1	05/02/2018 20:46	WG1105009

Sample Narrative:

L989149-04 WG1105009: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	27800		51.9	1000	1	04/28/2018 00:24	WG1103968
Nitrate	U		22.7	100	1	04/28/2018 00:24	WG1103968
Sulfate	4510 J	J	77.4	5000	1	04/28/2018 00:24	WG1103968

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2860		102	1000	1	04/29/2018 02:57	WG1104356

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	1020		15.0	100	1	04/30/2018 21:15	WG1104177
Manganese	209		0.250	5.00	1	04/30/2018 21:15	WG1104177

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	65.7 J	J	31.6	100	1	04/27/2018 19:55	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/27/2018 19:55*	WG1104101

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	111		0.287	0.678	1	05/03/2018 11:13	WG1106076
Ethane	0.779 J	J	0.296	1.29	1	05/03/2018 11:13	WG1106076
Ethene	36.6		0.422	1.27	1	05/03/2018 11:13	WG1106076

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/28/2018 15:04	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 15:04	WG1104412
Benzene	U		0.0896	0.500	1	04/28/2018 15:04	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 15:04	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 15:04	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 15:04	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 15:04	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 15:04	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 15:04	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 15:04	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 15:04	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 15:04	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 15:04	WG1104412

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/28/2018 15:04	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 15:04	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 15:04	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 15:04	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 15:04	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 15:04	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 15:04	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 15:04	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 15:04	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 15:04	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 15:04	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 15:04	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 15:04	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 15:04	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 15:04	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 15:04	WG1104412
1,1-Dichloroethene	U		0.188	0.500	1	04/28/2018 15:04	WG1104412
cis-1,2-Dichloroethene	10.4		0.0933	0.500	1	05/02/2018 00:38	WG1104412
trans-1,2-Dichloroethene	0.246	J J	0.152	0.500	1	04/28/2018 15:04	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 15:04	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 15:04	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 15:04	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 15:04	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 15:04	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 15:04	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 15:04	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 15:04	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 15:04	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 15:04	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 15:04	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 15:04	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 15:04	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 15:04	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 15:04	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 15:04	WG1104412
Methylene Chloride	U		1.07	2.50	1	04/28/2018 15:04	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 15:04	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 15:04	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 15:04	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 15:04	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 15:04	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 15:04	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 15:04	WG1104412
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 15:04	WG1104412
Tetrachloroethene	0.950		0.199	0.500	1	05/02/2018 00:38	WG1104412
Toluene	U		0.412	0.500	1	04/28/2018 15:04	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 15:04	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 15:04	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 15:04	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 15:04	WG1104412
Trichloroethene	0.240	J J	0.153	0.500	1	05/02/2018 00:38	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 15:04	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 15:04	WG1104412
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 15:04	WG1104412
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 15:04	WG1104412
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 15:04	WG1104412

JC 6/11/18

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/28/2018 15:04	WG1104412
Vinyl chloride	104		0.118	0.500	1	04/28/2018 15:04	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 15:04	WG1104412
(S) Toluene-d8	*103*			*80.0-120*		*04/28/2018 15:04*	WG1104412
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2018 00:38*	WG1104412
(S) Dibromofluoromethane	*103*			*76.0-123*		*05/02/2018 00:38*	WG1104412
(S) Dibromofluoromethane	*100*			*76.0-123*		*04/28/2018 15:04*	WG1104412
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*05/02/2018 00:38*	WG1104412
(S) 4-Bromofluorobenzene	*90.5*			*80.0-120*		*04/28/2018 15:04*	WG1104412

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/27/2018 20:18	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-122*		*04/27/2018 20:18*	WG1104101

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.86 U	J	1.05	25.0	1	04/28/2018 15:23	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 15:23	WG1104412
Benzene	U		0.0896	0.500	1	04/28/2018 15:23	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 15:23	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 15:23	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 15:23	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 15:23	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 15:23	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 15:23	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 15:23	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 15:23	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 15:23	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 15:23	WG1104412
Chlorobenzene	U		0.140	0.500	1	04/28/2018 15:23	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 15:23	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 15:23	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 15:23	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 15:23	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 15:23	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 15:23	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 15:23	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 15:23	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 15:23	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 15:23	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 15:23	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 15:23	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 15:23	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 15:23	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 15:23	WG1104412
1,1-Dichloroethene	U		0.188	0.500	1	04/28/2018 15:23	WG1104412
cis-1,2-Dichloroethene	1.09		0.0933	0.500	1	05/02/2018 00:58	WG1104412
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/28/2018 15:23	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 15:23	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 15:23	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 15:23	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 15:23	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 15:23	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 15:23	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 15:23	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 15:23	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 15:23	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 15:23	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 15:23	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 15:23	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 15:23	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 15:23	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 15:23	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 15:23	WG1104412

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/28/2018 15:23	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 15:23	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 15:23	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 15:23	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 15:23	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 15:23	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 15:23	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 15:23	WG1104412
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 15:23	WG1104412
Tetrachloroethene	0.964		0.199	0.500	1	05/02/2018 00:58	WG1104412
Toluene	U		0.412	0.500	1	04/28/2018 15:23	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 15:23	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 15:23	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 15:23	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 15:23	WG1104412
Trichloroethene	0.358	J J	0.153	0.500	1	05/02/2018 00:58	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 15:23	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 15:23	WG1104412
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 15:23	WG1104412
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 15:23	WG1104412
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 15:23	WG1104412
Vinyl acetate	U		0.645	5.00	1	04/28/2018 15:23	WG1104412
Vinyl chloride	0.964		0.118	0.500	1	04/28/2018 15:23	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 15:23	WG1104412
(S) Toluene-d8	*102*			*80.0-120*		*04/28/2018 15:23*	WG1104412
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2018 00:58*	WG1104412
(S) Dibromofluoromethane	*99.9*			*76.0-123*		*04/28/2018 15:23*	WG1104412
(S) Dibromofluoromethane	*107*			*76.0-123*		*05/02/2018 00:58*	WG1104412
(S) 4-Bromofluorobenzene	*92.1*			*80.0-120*		*04/28/2018 15:23*	WG1104412
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*05/02/2018 00:58*	WG1104412

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	04/27/2018 14:27	WG1104101
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-122*		*04/27/2018 14:27*	WG1104101

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	3.52	J	1.05	25.0	1	04/28/2018 13:12	WG1104412
Acrylonitrile	U		0.873	5.00	1	04/28/2018 13:12	WG1104412
Benzene	U		0.0896	0.500	1	04/28/2018 13:12	WG1104412
Bromobenzene	U		0.133	0.500	1	04/28/2018 13:12	WG1104412
Bromodichloromethane	U		0.0800	0.500	1	04/28/2018 13:12	WG1104412
Bromochloromethane	U		0.145	0.500	1	04/28/2018 13:12	WG1104412
Bromoform	U		0.186	0.500	1	04/28/2018 13:12	WG1104412
Bromomethane	U		0.157	2.50	1	04/28/2018 13:12	WG1104412
n-Butylbenzene	U		0.143	0.500	1	04/28/2018 13:12	WG1104412
sec-Butylbenzene	U		0.134	0.500	1	04/28/2018 13:12	WG1104412
tert-Butylbenzene	U		0.183	0.500	1	04/28/2018 13:12	WG1104412
Carbon disulfide	U		0.101	0.500	1	04/28/2018 13:12	WG1104412
Carbon tetrachloride	U		0.159	0.500	1	04/28/2018 13:12	WG1104412
Chlorobenzene	U		0.140	0.500	1	04/28/2018 13:12	WG1104412
Chlorodibromomethane	U		0.128	0.500	1	04/28/2018 13:12	WG1104412
Chloroethane	U		0.141	2.50	1	04/28/2018 13:12	WG1104412
Chloroform	U		0.0860	0.500	1	04/28/2018 13:12	WG1104412
Chloromethane	U		0.153	1.25	1	04/28/2018 13:12	WG1104412
2-Chlorotoluene	U		0.111	0.500	1	04/28/2018 13:12	WG1104412
4-Chlorotoluene	U		0.0972	0.500	1	04/28/2018 13:12	WG1104412
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/28/2018 13:12	WG1104412
1,2-Dibromoethane	U		0.193	0.500	1	04/28/2018 13:12	WG1104412
Dibromomethane	U		0.117	0.500	1	04/28/2018 13:12	WG1104412
1,2-Dichlorobenzene	U		0.101	0.500	1	04/28/2018 13:12	WG1104412
1,3-Dichlorobenzene	U		0.130	0.500	1	04/28/2018 13:12	WG1104412
1,4-Dichlorobenzene	U		0.121	0.500	1	04/28/2018 13:12	WG1104412
Dichlorodifluoromethane	U		0.127	2.50	1	04/28/2018 13:12	WG1104412
1,1-Dichloroethane	U		0.114	0.500	1	04/28/2018 13:12	WG1104412
1,2-Dichloroethane	U		0.108	0.500	1	04/28/2018 13:12	WG1104412
1,1-Dichloroethene	U		0.188	0.500	1	04/28/2018 13:12	WG1104412
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/28/2018 13:12	WG1104412
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/28/2018 13:12	WG1104412
1,2-Dichloropropane	U		0.190	0.500	1	04/28/2018 13:12	WG1104412
1,1-Dichloropropene	U		0.128	0.500	1	04/28/2018 13:12	WG1104412
1,3-Dichloropropane	U		0.147	1.00	1	04/28/2018 13:12	WG1104412
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/28/2018 13:12	WG1104412
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/28/2018 13:12	WG1104412
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/28/2018 13:12	WG1104412
2,2-Dichloropropane	U		0.0929	0.500	1	04/28/2018 13:12	WG1104412
Di-isopropyl ether	U		0.0924	0.500	1	04/28/2018 13:12	WG1104412
Ethylbenzene	U		0.158	0.500	1	04/28/2018 13:12	WG1104412
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/28/2018 13:12	WG1104412
2-Hexanone	U		0.757	5.00	1	04/28/2018 13:12	WG1104412
n-Hexane	U		0.305	5.00	1	04/28/2018 13:12	WG1104412
Iodomethane	U		0.377	10.0	1	04/28/2018 13:12	WG1104412
Isopropylbenzene	U		0.126	0.500	1	04/28/2018 13:12	WG1104412
p-Isopropyltoluene	U		0.138	0.500	1	04/28/2018 13:12	WG1104412
2-Butanone (MEK)	U		1.28	5.00	1	04/28/2018 13:12	WG1104412

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/28/2018 13:12	WG1104412
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/28/2018 13:12	WG1104412
Methyl tert-butyl ether	U		0.102	0.500	1	04/28/2018 13:12	WG1104412
Naphthalene	U		0.174	2.50	1	04/28/2018 13:12	WG1104412
n-Propylbenzene	U		0.162	0.500	1	04/28/2018 13:12	WG1104412
Styrene	U		0.117	0.500	1	04/28/2018 13:12	WG1104412
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/28/2018 13:12	WG1104412
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/28/2018 13:12	WG1104412
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/28/2018 13:12	WG1104412
Tetrachloroethene	U		0.199	0.500	1	04/28/2018 13:12	WG1104412
Toluene	U		0.412	0.500	1	04/28/2018 13:12	WG1104412
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/28/2018 13:12	WG1104412
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/28/2018 13:12	WG1104412
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/28/2018 13:12	WG1104412
1,1,2-Trichloroethane	U		0.186	0.500	1	04/28/2018 13:12	WG1104412
Trichloroethene	U		0.153	0.500	1	04/28/2018 13:12	WG1104412
Trichlorofluoromethane	U		0.130	2.50	1	04/28/2018 13:12	WG1104412
1,2,3-Trichloropropane	U		0.247	2.50	1	04/28/2018 13:12	WG1104412
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/28/2018 13:12	WG1104412
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/28/2018 13:12	WG1104412
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/28/2018 13:12	WG1104412
Vinyl acetate	U		0.645	5.00	1	04/28/2018 13:12	WG1104412
Vinyl chloride	U		0.118	0.500	1	04/28/2018 13:12	WG1104412
Xylenes, Total	U		0.316	1.50	1	04/28/2018 13:12	WG1104412
(S) Toluene-d8	*104*			*80.0-120*		*04/28/2018 13:12*	WG1104412
(S) Dibromofluoromethane	*99.2*			*76.0-123*		*04/28/2018 13:12*	WG1104412
(S) 4-Bromofluorobenzene	*93.0*			*80.0-120*		*04/28/2018 13:12*	WG1104412

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ANALYTICAL REPORT

May 07, 2018

PES Environmental, Inc.- WA

Sample Delivery Group:	L989529
Samples Received:	04/28/2018
Project Number:	1413.001.05.601
Description:	American Linen

Report To: Brian O'Neal/Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

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MW-142-042718 L989529-01 GW

Collected by: Jeff Dobbins | Collected date/time: 04/27/18 08:35 | Received date/time: 04/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1105725	1	05/04/18 18:46	05/04/18 18:46	MCG
Wet Chemistry by Method 9056A	WG1104424	1	04/28/18 14:40	04/28/18 14:40	DR
Wet Chemistry by Method 9060A	WG1105152	1	05/01/18 16:13	05/01/18 16:13	SJM
Metals (ICPMS) by Method 6020A	WG1104647	1	05/02/18 17:12	05/02/18 21:26	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104802	1	04/30/18 14:21	04/30/18 14:21	ACG
Volatile Organic Compounds (GC) by Method RSK175	WG1107156	1	05/07/18 10:35	05/07/18 10:35	BG
Volatile Organic Compounds (GC) by Method RSK175	WG1107762	10	05/07/18 14:03	05/07/18 14:03	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104728	1	04/29/18 21:17	04/29/18 21:17	ACG

MW-144-042718 L989529-02 GW

Collected by: Jeff Dobbins | Collected date/time: 04/27/18 09:49 | Received date/time: 04/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1105725	1	05/04/18 19:00	05/04/18 19:00	MCG
Wet Chemistry by Method 9056A	WG1104424	1	04/28/18 14:53	04/28/18 14:53	DR
Wet Chemistry by Method 9056A	WG1104424	5	04/28/18 15:05	04/28/18 15:05	DR
Wet Chemistry by Method 9060A	WG1105152	5	05/01/18 16:30	05/01/18 16:30	SJM
Metals (ICPMS) by Method 6020A	WG1104647	1	05/02/18 17:12	05/02/18 21:31	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104802	1	04/30/18 14:43	04/30/18 14:43	ACG
Volatile Organic Compounds (GC) by Method RSK175	WG1107156	1	05/07/18 10:47	05/07/18 10:47	BG
Volatile Organic Compounds (GC) by Method RSK175	WG1107762	20	05/07/18 14:06	05/07/18 14:06	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104728	1	04/29/18 21:37	04/29/18 21:37	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104728	50	05/03/18 20:30	05/03/18 20:30	RAS

MW-155-042718 L989529-03 GW

Collected by: Jeff Dobbins | Collected date/time: 04/27/18 10:41 | Received date/time: 04/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104802	1	04/30/18 15:05	04/30/18 15:05	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104728	1	04/29/18 21:56	04/29/18 21:56	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104728	1	05/03/18 20:50	05/03/18 20:50	RAS

MW-145-042718 L989529-04 GW

Collected by: Jeff Dobbins | Collected date/time: 04/27/18 12:49 | Received date/time: 04/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 2320 B-2011	WG1105725	1	05/04/18 19:07	05/04/18 19:07	MCG
Wet Chemistry by Method 9056A	WG1104424	1	04/28/18 15:42	04/28/18 15:42	DR
Wet Chemistry by Method 9060A	WG1105152	10	05/01/18 16:48	05/01/18 16:48	SJM
Metals (ICPMS) by Method 6020A	WG1104647	1	05/02/18 17:12	05/02/18 21:35	LD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1104802	1	04/30/18 15:27	04/30/18 15:27	ACG
Volatile Organic Compounds (GC) by Method RSK175	WG1107156	1	05/07/18 10:53	05/07/18 10:53	BG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1104728	1	04/29/18 22:16	04/29/18 22:16	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	794000		2710	20000	1	05/04/2018 18:46	WG1105725

Sample Narrative:

L989529-01 WG1105725: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	15600		51.9	1000	1	04/28/2018 14:40	WG1104424
Nitrate	U		22.7	100	1	04/28/2018 14:40	WG1104424
Sulfate	426	J	77.4	5000	1	04/28/2018 14:40	WG1104424

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	33700		102	1000	1	05/01/2018 16:13	WG1105152

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	3160		15.0	100	1	05/02/2018 21:26	WG1104647
Manganese	2580		0.250	5.00	1	05/02/2018 21:26	WG1104647

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	49.3	B J	31.6	100	1	04/30/2018 14:21	WG1104802
(S) a,a,a-Trifluorotoluene(FID)	*93.0*			*77.0-122*		*04/30/2018 14:21*	WG1104802

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	7980		2.87	6.78	10	05/07/2018 14:03	WG1107762
Ethane	44.6		0.296	1.29	1	05/07/2018 10:35	WG1107156
Ethene	U		0.422	1.27	1	05/07/2018 10:35	WG1107156

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.40	J	1.05	25.0	1	04/29/2018 21:17	WG1104728
Acrylonitrile	U		0.873	5.00	1	04/29/2018 21:17	WG1104728
Benzene	0.514		0.0896	0.500	1	04/29/2018 21:17	WG1104728
Bromobenzene	U		0.133	0.500	1	04/29/2018 21:17	WG1104728
Bromodichloromethane	U		0.0800	0.500	1	04/29/2018 21:17	WG1104728
Bromochloromethane	U		0.145	0.500	1	04/29/2018 21:17	WG1104728
Bromoform	U		0.186	0.500	1	04/29/2018 21:17	WG1104728
Bromomethane	U		0.157	2.50	1	04/29/2018 21:17	WG1104728
n-Butylbenzene	U		0.143	0.500	1	04/29/2018 21:17	WG1104728
sec-Butylbenzene	U		0.134	0.500	1	04/29/2018 21:17	WG1104728
tert-Butylbenzene	U		0.183	0.500	1	04/29/2018 21:17	WG1104728
Carbon disulfide	U		0.101	0.500	1	04/29/2018 21:17	WG1104728
Carbon tetrachloride	U		0.159	0.500	1	04/29/2018 21:17	WG1104728

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/29/2018 21:17	WG1104728
Chlorodibromomethane	U		0.128	0.500	1	04/29/2018 21:17	WG1104728
Chloroethane	U		0.141	2.50	1	04/29/2018 21:17	WG1104728
Chloroform	U		0.0860	0.500	1	04/29/2018 21:17	WG1104728
Chloromethane	U		0.153	1.25	1	04/29/2018 21:17	WG1104728
2-Chlorotoluene	U		0.111	0.500	1	04/29/2018 21:17	WG1104728
4-Chlorotoluene	U		0.0972	0.500	1	04/29/2018 21:17	WG1104728
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/29/2018 21:17	WG1104728
1,2-Dibromoethane	U		0.193	0.500	1	04/29/2018 21:17	WG1104728
Dibromomethane	U		0.117	0.500	1	04/29/2018 21:17	WG1104728
1,2-Dichlorobenzene	U		0.101	0.500	1	04/29/2018 21:17	WG1104728
1,3-Dichlorobenzene	U		0.130	0.500	1	04/29/2018 21:17	WG1104728
1,4-Dichlorobenzene	U		0.121	0.500	1	04/29/2018 21:17	WG1104728
Dichlorodifluoromethane	U		0.127	2.50	1	04/29/2018 21:17	WG1104728
1,1-Dichloroethane	U		0.114	0.500	1	04/29/2018 21:17	WG1104728
1,2-Dichloroethane	U		0.108	0.500	1	04/29/2018 21:17	WG1104728
1,1-Dichloroethene	0.244	J	0.188	0.500	1	04/29/2018 21:17	WG1104728
cis-1,2-Dichloroethene	46.1		0.0933	0.500	1	04/29/2018 21:17	WG1104728
trans-1,2-Dichloroethene	0.474	J	0.152	0.500	1	04/29/2018 21:17	WG1104728
1,2-Dichloropropane	U		0.190	0.500	1	04/29/2018 21:17	WG1104728
1,1-Dichloropropene	U		0.128	0.500	1	04/29/2018 21:17	WG1104728
1,3-Dichloropropane	U		0.147	1.00	1	04/29/2018 21:17	WG1104728
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/29/2018 21:17	WG1104728
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/29/2018 21:17	WG1104728
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/29/2018 21:17	WG1104728
2,2-Dichloropropane	U		0.0929	0.500	1	04/29/2018 21:17	WG1104728
Di-isopropyl ether	U		0.0924	0.500	1	04/29/2018 21:17	WG1104728
Ethylbenzene	U		0.158	0.500	1	04/29/2018 21:17	WG1104728
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/29/2018 21:17	WG1104728
2-Hexanone	U		0.757	5.00	1	04/29/2018 21:17	WG1104728
n-Hexane	U		0.305	5.00	1	04/29/2018 21:17	WG1104728
Iodomethane	U		0.377	10.0	1	04/29/2018 21:17	WG1104728
Isopropylbenzene	U		0.126	0.500	1	04/29/2018 21:17	WG1104728
p-Isopropyltoluene	U		0.138	0.500	1	04/29/2018 21:17	WG1104728
2-Butanone (MEK)	U		1.28	5.00	1	04/29/2018 21:17	WG1104728
Methylene Chloride	U		1.07	2.50	1	04/29/2018 21:17	WG1104728
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/29/2018 21:17	WG1104728
Methyl tert-butyl ether	U		0.102	0.500	1	04/29/2018 21:17	WG1104728
Naphthalene	U		0.174	2.50	1	04/29/2018 21:17	WG1104728
n-Propylbenzene	U		0.162	0.500	1	04/29/2018 21:17	WG1104728
Styrene	U		0.117	0.500	1	04/29/2018 21:17	WG1104728
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/29/2018 21:17	WG1104728
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/29/2018 21:17	WG1104728
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/29/2018 21:17	WG1104728
Tetrachloroethene	0.523		0.199	0.500	1	04/29/2018 21:17	WG1104728
Toluene	U		0.412	0.500	1	04/29/2018 21:17	WG1104728
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/29/2018 21:17	WG1104728
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/29/2018 21:17	WG1104728
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/29/2018 21:17	WG1104728
1,1,2-Trichloroethane	U		0.186	0.500	1	04/29/2018 21:17	WG1104728
Trichloroethene	1.40		0.153	0.500	1	04/29/2018 21:17	WG1104728
Trichlorofluoromethane	U		0.130	2.50	1	04/29/2018 21:17	WG1104728
1,2,3-Trichloropropane	U		0.247	2.50	1	04/29/2018 21:17	WG1104728
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/29/2018 21:17	WG1104728
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/29/2018 21:17	WG1104728
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/29/2018 21:17	WG1104728

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/29/2018 21:17	WG1104728
Vinyl chloride	17.2	J0	0.118	0.500	1	04/29/2018 21:17	WG1104728
Xylenes, Total	U		0.316	1.50	1	04/29/2018 21:17	WG1104728
(S) Toluene-d8	*101*			*80.0-120*		*04/29/2018 21:17*	WG1104728
(S) Dibromofluoromethane	*98.1*			*76.0-123*		*04/29/2018 21:17*	WG1104728
(S) 4-Bromofluorobenzene	*91.5*			*80.0-120*		*04/29/2018 21:17*	WG1104728

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	740000		2710	20000	1	05/04/2018 19:00	WG1105725

Sample Narrative:

L989529-02 WG1105725: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	182000		260	5000	5	04/28/2018 15:05	WG1104424
Nitrate	U		22.7	100	1	04/28/2018 14:53	WG1104424
Sulfate	9390		77.4	5000	1	04/28/2018 14:53	WG1104424

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	159000		510	5000	5	05/01/2018 16:30	WG1105152

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1070		15.0	100	1	05/02/2018 21:31	WG1104647
Manganese	1980		0.250	5.00	1	05/02/2018 21:31	WG1104647

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	364		31.6	100	1	04/30/2018 14:43	WG1104802
(S) a,a,a-Trifluorotoluene(FID)	*92.9*			*77.0-122*		*04/30/2018 14:43*	WG1104802

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	17700		5.74	13.6	20	05/07/2018 14:06	WG1107762
Ethane	55.4		0.296	1.29	1	05/07/2018 10:47	WG1107156
Ethene	5480		0.422	1.27	1	05/07/2018 10:47	WG1107156

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	2.44	J	1.05	25.0	1	04/29/2018 21:37	WG1104728
Acrylonitrile	U		0.873	5.00	1	04/29/2018 21:37	WG1104728
Benzene	U		0.0896	0.500	1	04/29/2018 21:37	WG1104728
Bromobenzene	U		0.133	0.500	1	04/29/2018 21:37	WG1104728
Bromodichloromethane	U		0.0800	0.500	1	04/29/2018 21:37	WG1104728
Bromochloromethane	U		0.145	0.500	1	04/29/2018 21:37	WG1104728
Bromoform	U		0.186	0.500	1	04/29/2018 21:37	WG1104728
Bromomethane	U		0.157	2.50	1	04/29/2018 21:37	WG1104728
n-Butylbenzene	U		0.143	0.500	1	04/29/2018 21:37	WG1104728
sec-Butylbenzene	U		0.134	0.500	1	04/29/2018 21:37	WG1104728
tert-Butylbenzene	U		0.183	0.500	1	04/29/2018 21:37	WG1104728
Carbon disulfide	U		0.101	0.500	1	04/29/2018 21:37	WG1104728
Carbon tetrachloride	U		0.159	0.500	1	04/29/2018 21:37	WG1104728

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/29/2018 21:37	WG1104728
Chlorodibromomethane	U		0.128	0.500	1	04/29/2018 21:37	WG1104728
Chloroethane	U		0.141	2.50	1	04/29/2018 21:37	WG1104728
Chloroform	U		0.0860	0.500	1	04/29/2018 21:37	WG1104728
Chloromethane	U		0.153	1.25	1	04/29/2018 21:37	WG1104728
2-Chlorotoluene	U		0.111	0.500	1	04/29/2018 21:37	WG1104728
4-Chlorotoluene	U		0.0972	0.500	1	04/29/2018 21:37	WG1104728
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/29/2018 21:37	WG1104728
1,2-Dibromoethane	U		0.193	0.500	1	04/29/2018 21:37	WG1104728
Dibromomethane	U		0.117	0.500	1	04/29/2018 21:37	WG1104728
1,2-Dichlorobenzene	U		0.101	0.500	1	04/29/2018 21:37	WG1104728
1,3-Dichlorobenzene	U		0.130	0.500	1	04/29/2018 21:37	WG1104728
1,4-Dichlorobenzene	U		0.121	0.500	1	04/29/2018 21:37	WG1104728
Dichlorodifluoromethane	U		0.127	2.50	1	04/29/2018 21:37	WG1104728
1,1-Dichloroethane	U		0.114	0.500	1	04/29/2018 21:37	WG1104728
1,2-Dichloroethane	U		0.108	0.500	1	04/29/2018 21:37	WG1104728
1,1-Dichloroethene	1.15		0.188	0.500	1	04/29/2018 21:37	WG1104728
cis-1,2-Dichloroethene	662		4.66	25.0	50	05/03/2018 20:30	WG1104728
trans-1,2-Dichloroethene	4.65		0.152	0.500	1	04/29/2018 21:37	WG1104728
1,2-Dichloropropane	U		0.190	0.500	1	04/29/2018 21:37	WG1104728
1,1-Dichloropropene	U		0.128	0.500	1	04/29/2018 21:37	WG1104728
1,3-Dichloropropane	U		0.147	1.00	1	04/29/2018 21:37	WG1104728
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/29/2018 21:37	WG1104728
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/29/2018 21:37	WG1104728
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/29/2018 21:37	WG1104728
2,2-Dichloropropane	U		0.0929	0.500	1	04/29/2018 21:37	WG1104728
Di-isopropyl ether	U		0.0924	0.500	1	04/29/2018 21:37	WG1104728
Ethylbenzene	U		0.158	0.500	1	04/29/2018 21:37	WG1104728
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/29/2018 21:37	WG1104728
2-Hexanone	U		0.757	5.00	1	04/29/2018 21:37	WG1104728
n-Hexane	U		0.305	5.00	1	04/29/2018 21:37	WG1104728
Iodomethane	U		0.377	10.0	1	04/29/2018 21:37	WG1104728
Isopropylbenzene	U		0.126	0.500	1	04/29/2018 21:37	WG1104728
p-Isopropyltoluene	U		0.138	0.500	1	04/29/2018 21:37	WG1104728
2-Butanone (MEK)	3.85	J	1.28	5.00	1	04/29/2018 21:37	WG1104728
Methylene Chloride	U		1.07	2.50	1	04/29/2018 21:37	WG1104728
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/29/2018 21:37	WG1104728
Methyl tert-butyl ether	U		0.102	0.500	1	04/29/2018 21:37	WG1104728
Naphthalene	U		0.174	2.50	1	04/29/2018 21:37	WG1104728
n-Propylbenzene	U		0.162	0.500	1	04/29/2018 21:37	WG1104728
Styrene	U		0.117	0.500	1	04/29/2018 21:37	WG1104728
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/29/2018 21:37	WG1104728
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/29/2018 21:37	WG1104728
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/29/2018 21:37	WG1104728
Tetrachloroethene	1.86		0.199	0.500	1	04/29/2018 21:37	WG1104728
Toluene	1.40		0.412	0.500	1	04/29/2018 21:37	WG1104728
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/29/2018 21:37	WG1104728
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/29/2018 21:37	WG1104728
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/29/2018 21:37	WG1104728
1,1,2-Trichloroethane	U		0.186	0.500	1	04/29/2018 21:37	WG1104728
Trichloroethene	3.31		0.153	0.500	1	04/29/2018 21:37	WG1104728
Trichlorofluoromethane	U		0.130	2.50	1	04/29/2018 21:37	WG1104728
1,2,3-Trichloropropane	U		0.247	2.50	1	04/29/2018 21:37	WG1104728
1,2,4-Trimethylbenzene	0.145	J	0.123	0.500	1	04/29/2018 21:37	WG1104728
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/29/2018 21:37	WG1104728
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/29/2018 21:37	WG1104728

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/29/2018 21:37	WG1104728
Vinyl chloride	888		5.90	25.0	50	05/03/2018 20:30	WG1104728
Xylenes, Total	U		0.316	1.50	1	04/29/2018 21:37	WG1104728
(S) Toluene-d8	*107*			*80.0-120*		*05/03/2018 20:30*	WG1104728
(S) Toluene-d8	*103*			*80.0-120*		*04/29/2018 21:37*	WG1104728
(S) Dibromofluoromethane	*105*			*76.0-123*		*05/03/2018 20:30*	WG1104728
(S) Dibromofluoromethane	*98.2*			*76.0-123*		*04/29/2018 21:37*	WG1104728
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*05/03/2018 20:30*	WG1104728
(S) 4-Bromofluorobenzene	*91.9*			*80.0-120*		*04/29/2018 21:37*	WG1104728

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	60.9	B J	31.6	100	1	04/30/2018 15:05	WG1104802
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*77.0-122*		*04/30/2018 15:05*	WG1104802

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/29/2018 21:56	WG1104728
Acrylonitrile	U		0.873	5.00	1	04/29/2018 21:56	WG1104728
Benzene	U		0.0896	0.500	1	04/29/2018 21:56	WG1104728
Bromobenzene	U		0.133	0.500	1	04/29/2018 21:56	WG1104728
Bromodichloromethane	U		0.0800	0.500	1	04/29/2018 21:56	WG1104728
Bromochloromethane	U		0.145	0.500	1	04/29/2018 21:56	WG1104728
Bromoform	U		0.186	0.500	1	04/29/2018 21:56	WG1104728
Bromomethane	U		0.157	2.50	1	04/29/2018 21:56	WG1104728
n-Butylbenzene	U		0.143	0.500	1	04/29/2018 21:56	WG1104728
sec-Butylbenzene	U		0.134	0.500	1	04/29/2018 21:56	WG1104728
tert-Butylbenzene	U		0.183	0.500	1	04/29/2018 21:56	WG1104728
Carbon disulfide	U		0.101	0.500	1	04/29/2018 21:56	WG1104728
Carbon tetrachloride	U		0.159	0.500	1	04/29/2018 21:56	WG1104728
Chlorobenzene	U		0.140	0.500	1	04/29/2018 21:56	WG1104728
Chlorodibromomethane	U		0.128	0.500	1	04/29/2018 21:56	WG1104728
Chloroethane	U		0.141	2.50	1	04/29/2018 21:56	WG1104728
Chloroform	U		0.0860	0.500	1	04/29/2018 21:56	WG1104728
Chloromethane	U		0.153	1.25	1	04/29/2018 21:56	WG1104728
2-Chlorotoluene	U		0.111	0.500	1	04/29/2018 21:56	WG1104728
4-Chlorotoluene	U		0.0972	0.500	1	04/29/2018 21:56	WG1104728
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/29/2018 21:56	WG1104728
1,2-Dibromoethane	U		0.193	0.500	1	04/29/2018 21:56	WG1104728
Dibromomethane	U		0.117	0.500	1	04/29/2018 21:56	WG1104728
1,2-Dichlorobenzene	U		0.101	0.500	1	04/29/2018 21:56	WG1104728
1,3-Dichlorobenzene	U		0.130	0.500	1	04/29/2018 21:56	WG1104728
1,4-Dichlorobenzene	U		0.121	0.500	1	04/29/2018 21:56	WG1104728
Dichlorodifluoromethane	U		0.127	2.50	1	04/29/2018 21:56	WG1104728
1,1-Dichloroethane	U		0.114	0.500	1	04/29/2018 21:56	WG1104728
1,2-Dichloroethane	U		0.108	0.500	1	04/29/2018 21:56	WG1104728
1,1-Dichloroethene	U		0.188	0.500	1	04/29/2018 21:56	WG1104728
cis-1,2-Dichloroethene	0.466	J	0.0933	0.500	1	05/03/2018 20:50	WG1104728
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/29/2018 21:56	WG1104728
1,2-Dichloropropane	U		0.190	0.500	1	04/29/2018 21:56	WG1104728
1,1-Dichloropropene	U		0.128	0.500	1	04/29/2018 21:56	WG1104728
1,3-Dichloropropane	U		0.147	1.00	1	04/29/2018 21:56	WG1104728
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/29/2018 21:56	WG1104728
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/29/2018 21:56	WG1104728
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/29/2018 21:56	WG1104728
2,2-Dichloropropane	U		0.0929	0.500	1	04/29/2018 21:56	WG1104728
Di-isopropyl ether	U		0.0924	0.500	1	04/29/2018 21:56	WG1104728
Ethylbenzene	U		0.158	0.500	1	04/29/2018 21:56	WG1104728
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/29/2018 21:56	WG1104728
2-Hexanone	U		0.757	5.00	1	04/29/2018 21:56	WG1104728
n-Hexane	U		0.305	5.00	1	04/29/2018 21:56	WG1104728
Iodomethane	U		0.377	10.0	1	04/29/2018 21:56	WG1104728
Isopropylbenzene	U		0.126	0.500	1	04/29/2018 21:56	WG1104728
p-Isopropyltoluene	U		0.138	0.500	1	04/29/2018 21:56	WG1104728
2-Butanone (MEK)	U		1.28	5.00	1	04/29/2018 21:56	WG1104728

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/29/2018 21:56	WG1104728
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/29/2018 21:56	WG1104728
Methyl tert-butyl ether	U		0.102	0.500	1	04/29/2018 21:56	WG1104728
Naphthalene	U		0.174	2.50	1	04/29/2018 21:56	WG1104728
n-Propylbenzene	U		0.162	0.500	1	04/29/2018 21:56	WG1104728
Styrene	U		0.117	0.500	1	04/29/2018 21:56	WG1104728
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/29/2018 21:56	WG1104728
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/29/2018 21:56	WG1104728
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/29/2018 21:56	WG1104728
Tetrachloroethene	3.48		0.199	0.500	1	04/29/2018 21:56	WG1104728
Toluene	U		0.412	0.500	1	04/29/2018 21:56	WG1104728
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/29/2018 21:56	WG1104728
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/29/2018 21:56	WG1104728
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/29/2018 21:56	WG1104728
1,1,2-Trichloroethane	U		0.186	0.500	1	04/29/2018 21:56	WG1104728
Trichloroethene	0.334	J	0.153	0.500	1	04/29/2018 21:56	WG1104728
Trichlorofluoromethane	U		0.130	2.50	1	04/29/2018 21:56	WG1104728
1,2,3-Trichloropropane	U		0.247	2.50	1	04/29/2018 21:56	WG1104728
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/29/2018 21:56	WG1104728
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/29/2018 21:56	WG1104728
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/29/2018 21:56	WG1104728
Vinyl acetate	U		0.645	5.00	1	04/29/2018 21:56	WG1104728
Vinyl chloride	0.447	J	0.118	0.500	1	05/03/2018 20:50	WG1104728
Xylenes, Total	U		0.316	1.50	1	04/29/2018 21:56	WG1104728
(S) Toluene-d8	*107*			*80.0-120*		*05/03/2018 20:50*	WG1104728
(S) Toluene-d8	*105*			*80.0-120*		*04/29/2018 21:56*	WG1104728
(S) Dibromofluoromethane	*101*			*76.0-123*		*05/03/2018 20:50*	WG1104728
(S) Dibromofluoromethane	*96.9*			*76.0-123*		*04/29/2018 21:56*	WG1104728
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*05/03/2018 20:50*	WG1104728
(S) 4-Bromofluorobenzene	*90.3*			*80.0-120*		*04/29/2018 21:56*	WG1104728

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	272000		2710	20000	1	05/04/2018 19:07	WG1105725

Sample Narrative:

L989529-04 WG1105725: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	74400		51.9	1000	1	04/28/2018 15:42	WG1104424
Nitrate	238		22.7	100	1	04/28/2018 15:42	WG1104424
Sulfate	71000		77.4	5000	1	04/28/2018 15:42	WG1104424

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8090	J	1020	10000	10	05/01/2018 16:48	WG1105152

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	42900		15.0	100	1	05/02/2018 21:35	WG1104647
Manganese	912		0.250	5.00	1	05/02/2018 21:35	WG1104647

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	52.6	B J	31.6	100	1	04/30/2018 15:27	WG1104802
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*77.0-122*		*04/30/2018 15:27*	WG1104802

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2050		0.287	0.678	1	05/07/2018 10:53	WG1107156
Ethane	U		0.296	1.29	1	05/07/2018 10:53	WG1107156
Ethene	18.5		0.422	1.27	1	05/07/2018 10:53	WG1107156

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.71	J	1.05	25.0	1	04/29/2018 22:16	WG1104728
Acrylonitrile	U		0.873	5.00	1	04/29/2018 22:16	WG1104728
Benzene	U		0.0896	0.500	1	04/29/2018 22:16	WG1104728
Bromobenzene	U		0.133	0.500	1	04/29/2018 22:16	WG1104728
Bromodichloromethane	U		0.0800	0.500	1	04/29/2018 22:16	WG1104728
Bromochloromethane	U		0.145	0.500	1	04/29/2018 22:16	WG1104728
Bromoform	U		0.186	0.500	1	04/29/2018 22:16	WG1104728
Bromomethane	U		0.157	2.50	1	04/29/2018 22:16	WG1104728
n-Butylbenzene	U		0.143	0.500	1	04/29/2018 22:16	WG1104728
sec-Butylbenzene	U		0.134	0.500	1	04/29/2018 22:16	WG1104728
tert-Butylbenzene	U		0.183	0.500	1	04/29/2018 22:16	WG1104728
Carbon disulfide	U		0.101	0.500	1	04/29/2018 22:16	WG1104728
Carbon tetrachloride	U		0.159	0.500	1	04/29/2018 22:16	WG1104728

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/29/2018 22:16	WG1104728
Chlorodibromomethane	U		0.128	0.500	1	04/29/2018 22:16	WG1104728
Chloroethane	U		0.141	2.50	1	04/29/2018 22:16	WG1104728
Chloroform	U		0.0860	0.500	1	04/29/2018 22:16	WG1104728
Chloromethane	U		0.153	1.25	1	04/29/2018 22:16	WG1104728
2-Chlorotoluene	U		0.111	0.500	1	04/29/2018 22:16	WG1104728
4-Chlorotoluene	U		0.0972	0.500	1	04/29/2018 22:16	WG1104728
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/29/2018 22:16	WG1104728
1,2-Dibromoethane	U		0.193	0.500	1	04/29/2018 22:16	WG1104728
Dibromomethane	U		0.117	0.500	1	04/29/2018 22:16	WG1104728
1,2-Dichlorobenzene	U		0.101	0.500	1	04/29/2018 22:16	WG1104728
1,3-Dichlorobenzene	U		0.130	0.500	1	04/29/2018 22:16	WG1104728
1,4-Dichlorobenzene	U		0.121	0.500	1	04/29/2018 22:16	WG1104728
Dichlorodifluoromethane	U		0.127	2.50	1	04/29/2018 22:16	WG1104728
1,1-Dichloroethane	U		0.114	0.500	1	04/29/2018 22:16	WG1104728
1,2-Dichloroethane	U		0.108	0.500	1	04/29/2018 22:16	WG1104728
1,1-Dichloroethene	U		0.188	0.500	1	04/29/2018 22:16	WG1104728
cis-1,2-Dichloroethene	2.29		0.0933	0.500	1	04/29/2018 22:16	WG1104728
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/29/2018 22:16	WG1104728
1,2-Dichloropropane	U		0.190	0.500	1	04/29/2018 22:16	WG1104728
1,1-Dichloropropene	U		0.128	0.500	1	04/29/2018 22:16	WG1104728
1,3-Dichloropropane	U		0.147	1.00	1	04/29/2018 22:16	WG1104728
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/29/2018 22:16	WG1104728
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/29/2018 22:16	WG1104728
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/29/2018 22:16	WG1104728
2,2-Dichloropropane	U		0.0929	0.500	1	04/29/2018 22:16	WG1104728
Di-isopropyl ether	U		0.0924	0.500	1	04/29/2018 22:16	WG1104728
Ethylbenzene	U		0.158	0.500	1	04/29/2018 22:16	WG1104728
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/29/2018 22:16	WG1104728
2-Hexanone	U		0.757	5.00	1	04/29/2018 22:16	WG1104728
n-Hexane	U		0.305	5.00	1	04/29/2018 22:16	WG1104728
Iodomethane	U		0.377	10.0	1	04/29/2018 22:16	WG1104728
Isopropylbenzene	U		0.126	0.500	1	04/29/2018 22:16	WG1104728
p-Isopropyltoluene	U		0.138	0.500	1	04/29/2018 22:16	WG1104728
2-Butanone (MEK)	U		1.28	5.00	1	04/29/2018 22:16	WG1104728
Methylene Chloride	U		1.07	2.50	1	04/29/2018 22:16	WG1104728
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/29/2018 22:16	WG1104728
Methyl tert-butyl ether	U		0.102	0.500	1	04/29/2018 22:16	WG1104728
Naphthalene	U		0.174	2.50	1	04/29/2018 22:16	WG1104728
n-Propylbenzene	U		0.162	0.500	1	04/29/2018 22:16	WG1104728
Styrene	U		0.117	0.500	1	04/29/2018 22:16	WG1104728
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/29/2018 22:16	WG1104728
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/29/2018 22:16	WG1104728
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/29/2018 22:16	WG1104728
Tetrachloroethene	0.305	J	0.199	0.500	1	04/29/2018 22:16	WG1104728
Toluene	U		0.412	0.500	1	04/29/2018 22:16	WG1104728
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/29/2018 22:16	WG1104728
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/29/2018 22:16	WG1104728
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/29/2018 22:16	WG1104728
1,1,2-Trichloroethane	U		0.186	0.500	1	04/29/2018 22:16	WG1104728
Trichloroethene	0.212	J	0.153	0.500	1	04/29/2018 22:16	WG1104728
Trichlorofluoromethane	U		0.130	2.50	1	04/29/2018 22:16	WG1104728
1,2,3-Trichloropropane	U		0.247	2.50	1	04/29/2018 22:16	WG1104728
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/29/2018 22:16	WG1104728
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/29/2018 22:16	WG1104728
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/29/2018 22:16	WG1104728

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/29/2018 22:16	WG1104728
Vinyl chloride	3.88	J0	0.118	0.500	1	04/29/2018 22:16	WG1104728
Xylenes, Total	U		0.316	1.50	1	04/29/2018 22:16	WG1104728
(S) Toluene-d8	*102*			*80.0-120*		*04/29/2018 22:16*	WG1104728
(S) Dibromofluoromethane	*97.3*			*76.0-123*		*04/29/2018 22:16*	WG1104728
(S) 4-Bromofluorobenzene	*90.3*			*80.0-120*		*04/29/2018 22:16*	WG1104728

L989529-01 Original Sample (OS) • Duplicate (DUP)

(OS) L989529-01 05/04/18 18:46 • (DUP) R3307442-1 05/04/18 18:53

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	794000	819000	1	3.20		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L990101-02 Original Sample (OS) • Duplicate (DUP)

(OS) L990101-02 05/04/18 21:13 • (DUP) R3307442-4 05/04/18 21:20

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	259000	264000	1	1.99		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3307442-2 05/04/18 19:52 • (LCSD) R3307442-3 05/04/18 21:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Alkalinity	100000	107000	110000	107	110	85.0-115			2.49	20

Sample Narrative:

LCS: Endpoint pH 4.5

LCSD: Endpoint pH 4.5

Method Blank (MB)

(MB) R3305606-1 04/28/18 11:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Chloride	U		51.9	1000
Nitrate	U		22.7	100
Sulfate	U		77.4	5000

L989539-01 Original Sample (OS) • Duplicate (DUP)

(OS) L989539-01 04/28/18 16:07 • (DUP) R3305606-4 04/28/18 16:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	3730	3740	1	0.442		15
Nitrate	U	0.000	1	0.000		15
Sulfate	2390	2420	1	1.15	J	15

L989551-02 Original Sample (OS) • Duplicate (DUP)

(OS) L989551-02 04/28/18 21:42 • (DUP) R3305606-7 04/28/18 21:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Chloride	32600	32600	1	0.0846		15
Nitrate	ND	0.000	1	0.000		15
Sulfate	37000	36900	1	0.170		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305606-2 04/28/18 12:09 • (LCSD) R3305606-3 04/28/18 12:21

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Chloride	40000	39600	39700	99.1	99.3	80.0-120			0.265	15
Nitrate	8000	8740	8710	109	109	80.0-120			0.320	15
Sulfate	40000	40200	40000	100	100	80.0-120			0.446	15

L989539-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L989539-01 04/28/18 16:07 • (MS) R3305606-5 04/28/18 16:32 • (MSD) R3305606-6 04/28/18 16:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50000	3730	54700	54600	102	102	1	80.0-120			0.243	15
Nitrate	5000	U	5230	5320	105	106	1	80.0-120			1.81	15
Sulfate	50000	2390	54400	54000	104	103	1	80.0-120			0.712	15

L989551-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L989551-02 04/28/18 21:42 • (MS) R3305606-8 04/28/18 22:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50000	32600	81900	98.7	1	80.0-120	
Nitrate	5000	ND	5110	102	1	80.0-120	
Sulfate	50000	37000	84600	95.3	1	80.0-120	

Method Blank (MB)

(MB) R3306234-1 05/01/18 10:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	U		102	1000

L989525-01 Original Sample (OS) • Duplicate (DUP)

(OS) L989525-01 05/01/18 13:49 • (DUP) R3306234-3 05/01/18 14:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	2820	2740	1	3.06		20

L989592-01 Original Sample (OS) • Duplicate (DUP)

(OS) L989592-01 05/01/18 22:03 • (DUP) R3306234-7 05/01/18 22:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	4640	4640	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306234-2 05/01/18 12:26 • (LCSD) R3306234-4 05/01/18 15:00

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
TOC (Total Organic Carbon)	75000	70700	71700	94.3	95.6	85.0-115			1.42	20

L989569-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L989569-01 05/01/18 17:06 • (MS) R3306234-5 05/01/18 17:26 • (MSD) R3306234-6 05/01/18 17:45

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	50000	2150	53100	53300	102	102	1	80.0-120			0.226	20

Method Blank (MB)

(MB) R3306582-1 05/02/18 20:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		15.0	100
Manganese	0.330	J	0.250	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3306582-2 05/02/18 20:59 • (LCSD) R3306582-3 05/02/18 21:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Iron	5000	5080	4980	102	99.6	80.0-120			1.98	20
Manganese	50.0	47.0	46.6	93.9	93.2	80.0-120			0.739	20

L989723-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L989723-18 05/02/18 21:08 • (MS) R3306582-5 05/02/18 21:17 • (MSD) R3306582-6 05/02/18 21:22

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	5000	ND	4980	4970	98.2	98.1	1	75.0-125			0.0520	20
Manganese	50.0	341	383	383	83.6	83.8	1	75.0-125			0.0285	20

Method Blank (MB)

(MB) R3305989-3 04/30/18 11:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	35.1	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*93.0*			*77.0-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3305989-1 04/30/18 10:33 • (LCSD) R3305989-2 04/30/18 10:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4800	4780	87.4	86.9	72.0-134			0.530	20
(S) a,a,a-Trifluorotoluene(FID)				*99.4*	*99.3*	*77.0-122*				

Method Blank (MB)

(MB) R3307514-1 05/07/18 10:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L989723-03 Original Sample (OS) • Duplicate (DUP)

(OS) L989723-03 05/07/18 11:05 • (DUP) R3307514-2 05/07/18 11:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

L989723-08 Original Sample (OS) • Duplicate (DUP)

(OS) L989723-08 05/07/18 11:35 • (DUP) R3307514-3 05/07/18 13:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20
Ethane	ND	0.000	1	0.000		20
Ethene	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3307514-4 05/07/18 13:36 • (LCSD) R3307514-5 05/07/18 13:40

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	71.0	73.7	105	109	85.0-115			3.80	20
Ethane	129	116	115	89.8	89.5	85.0-115			0.357	20
Ethene	127	118	117	93.0	92.0	85.0-115			1.00	20

Method Blank (MB)

(MB) R3307585-1 05/07/18 13:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Methane	U		0.287	0.678

L989562-05 Original Sample (OS) • Duplicate (DUP)

(OS) L989562-05 05/07/18 14:23 • (DUP) R3307585-2 05/07/18 14:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20

L989884-01 Original Sample (OS) • Duplicate (DUP)

(OS) L989884-01 05/07/18 15:17 • (DUP) R3307585-3 05/07/18 15:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Methane	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3307585-4 05/07/18 15:29 • (LCSD) R3307585-5 05/07/18 15:31

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	68.5	68.9	101	102	85.0-115			0.614	20

Method Blank (MB)

(MB) R3306749-2 04/29/18 17:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Bromobenzene	U		0.133	0.500
Benzene	U		0.0896	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
1,2-Dibromoethane	U		0.193	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
1,2-Dichloroethane	U		0.108	0.500
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3306749-2 04/29/18 17:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Ethylbenzene	U		0.158	0.500
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Methyl tert-butyl ether	U		0.102	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
Naphthalene	U		0.174	2.50
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Toluene	U		0.412	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*99.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*94.6*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3306749-1 04/29/18 16:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	91.1	72.9	10.0-160	
Acrylonitrile	125	109	87.6	60.0-142	
Bromobenzene	25.0	23.6	94.5	79.0-120	
Bromodichloromethane	25.0	22.9	91.6	76.0-120	
Bromochloromethane	25.0	25.6	102	76.0-122	
Bromoform	25.0	24.6	98.3	67.0-132	
Bromomethane	25.0	26.9	108	18.0-160	
n-Butylbenzene	25.0	25.4	101	72.0-126	
sec-Butylbenzene	25.0	25.5	102	74.0-121	
tert-Butylbenzene	25.0	24.9	99.5	75.0-122	
Carbon disulfide	25.0	25.7	103	55.0-127	
Carbon tetrachloride	25.0	24.5	98.1	63.0-122	
Chlorobenzene	25.0	25.7	103	79.0-121	
Chlorodibromomethane	25.0	25.2	101	75.0-125	
Chloroethane	25.0	25.0	100	47.0-152	
Chloroform	25.0	24.0	96.1	72.0-121	
Chloromethane	25.0	27.1	108	48.0-139	
2-Chlorotoluene	25.0	24.7	98.6	74.0-122	
4-Chlorotoluene	25.0	25.4	102	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	23.8	95.1	64.0-127	
Dibromomethane	25.0	23.7	94.7	78.0-120	
1,2-Dichlorobenzene	25.0	24.4	97.8	80.0-120	
1,3-Dichlorobenzene	25.0	24.8	99.1	72.0-123	
1,4-Dichlorobenzene	25.0	25.0	100	77.0-120	
Dichlorodifluoromethane	25.0	35.9	144	49.0-155	
1,1-Dichloroethane	25.0	26.0	104	70.0-126	
1,1-Dichloroethene	25.0	25.2	101	64.0-129	
cis-1,2-Dichloroethene	25.0	24.6	98.2	73.0-120	
trans-1,2-Dichloroethene	25.0	25.5	102	71.0-121	
1,2-Dichloropropane	25.0	24.9	99.7	75.0-125	
1,1-Dichloropropene	25.0	27.2	109	71.0-129	
1,3-Dichloropropane	25.0	25.4	102	80.0-121	
cis-1,3-Dichloropropene	25.0	26.0	104	79.0-123	
trans-1,3-Dichloropropene	25.0	25.6	102	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	27.9	111	55.0-134	
2,2-Dichloropropane	25.0	24.9	99.7	60.0-125	
Di-isopropyl ether	25.0	24.0	95.8	59.0-133	
Hexachloro-1,3-butadiene	25.0	24.5	98.1	64.0-131	
2-Hexanone	125	127	101	58.0-147	
n-Hexane	25.0	27.1	108	56.0-124	

Laboratory Control Sample (LCS)

(LCS) R3306749-1 04/29/18 16:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iodomethane	125	129	103	57.0-140	
Isopropylbenzene	25.0	23.3	93.1	75.0-120	
p-Isopropyltoluene	25.0	24.4	97.5	74.0-126	
2-Butanone (MEK)	125	111	88.9	37.0-158	
Methylene Chloride	25.0	23.9	95.5	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	122	97.6	59.0-143	
Benzene	25.0	25.0	100	69.0-123	
n-Propylbenzene	25.0	25.2	101	79.0-120	
Styrene	25.0	24.8	99.2	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	23.2	92.9	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	23.0	92.1	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	28.3	113	61.0-136	
Tetrachloroethene	25.0	26.6	106	70.0-127	
1,2,3-Trichlorobenzene	25.0	23.9	95.6	61.0-133	
1,2,4-Trichlorobenzene	25.0	24.4	97.4	69.0-129	
1,1,1-Trichloroethane	25.0	24.0	95.8	68.0-122	
1,1,2-Trichloroethane	25.0	24.1	96.2	78.0-120	
Trichloroethene	25.0	25.5	102	78.0-120	
Trichlorofluoromethane	25.0	29.3	117	56.0-137	
1,2,3-Trichloropropane	25.0	23.9	95.5	72.0-124	
1,2,4-Trimethylbenzene	25.0	24.1	96.4	75.0-120	
1,2,3-Trimethylbenzene	25.0	23.8	95.3	75.0-120	
1,3,5-Trimethylbenzene	25.0	24.8	99.4	75.0-120	
Vinyl acetate	125	139	111	46.0-160	
Vinyl chloride	25.0	29.2	117	64.0-133	
1,2-Dibromoethane	25.0	24.5	98.1	77.0-123	
1,2-Dichloroethane	25.0	25.6	102	67.0-126	
Ethylbenzene	25.0	25.3	101	77.0-120	
Methyl tert-butyl ether	25.0	23.7	94.7	64.0-123	
Naphthalene	25.0	23.8	95.2	62.0-128	
Toluene	25.0	24.4	97.5	77.0-120	
Xylenes, Total	75.0	74.5	99.3	77.0-120	
(S) Toluene-d8			*100*	*80.0-120*	
(S) Dibromofluoromethane			*97.1*	*76.0-123*	
(S) 4-Bromofluorobenzene			*97.3*	*80.0-120*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: Calibration verification outside of acceptance limits. Result is estimated.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

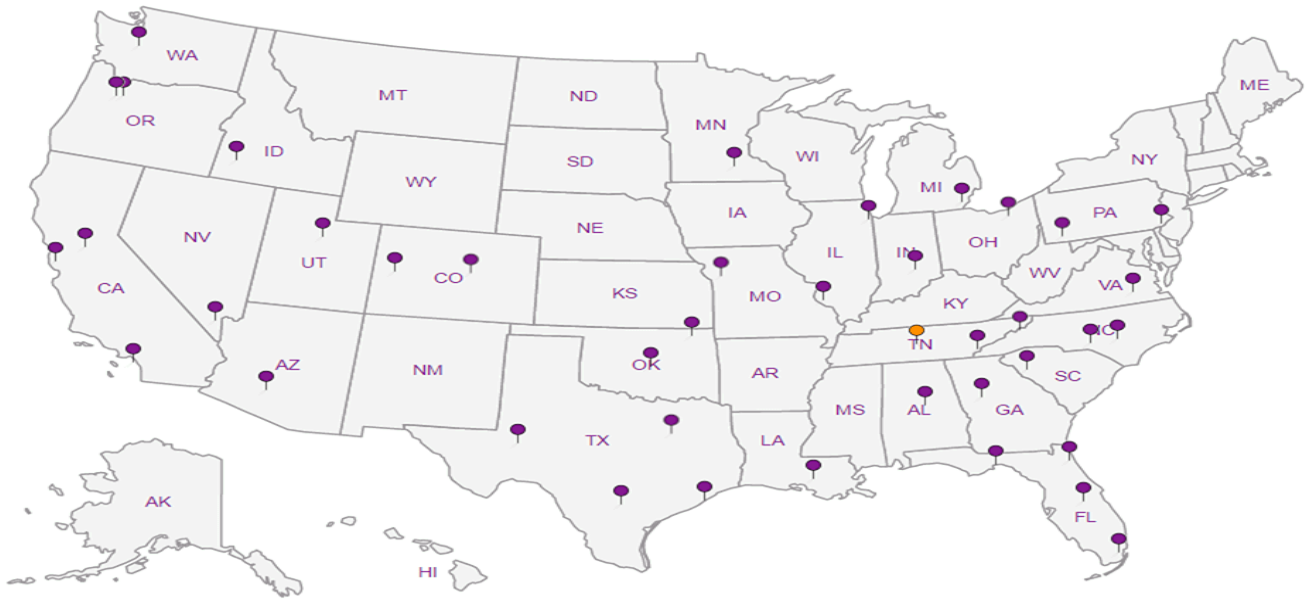
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Billing Information:
Attn: Accounts Payable
1215 Fourth Ave., Ste. 1350
Seattle, WA 98161

Pres Chk

Report to: Brian O'Neal/Bill Haldeman

Email To: boneal@pesenv.com; bhaldeman@pesenv.com

Project Description: American Lithen

City/State Collected: Seattle, WA

Phone: 206-529-3980
Fax: 206-529-3985

Client Project # 1413.001.05.601

Lab Project # PESENVSWA-ALP

Collected by (print): Jeff Dobbins

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-142-042718	Grab	~~SS~~ GW		4/27/18	0835	11
MW-144-042718	↓	~~SS~~ GW		4/27/18	0949	11
MW-155-042718		~~SS~~ GW		4/27/18	1041	6
MW-145-042718		~~SS~~ GW		4/27/18	1249	11
		SS				
		SS				
		SS				
		SS				
		SS				
		SS				

Analysis / Container / Preservative

V8260C VOCs 40ml/NaHSO4/Syr/MeOH	dry wt, voc screen 2ozClr-NoPres	N03,SO4,Cl,ALK 250ml HDPE no pres	NWTPHGX 40ml Amb HCl	TOC 250ml Amb HCl	L2	Total Fe Mn 6020 250ml HDPE HNO3	L2	V8260 LLC VOCs 40ml Amb HCl					
		X	X	X		X		X					01
		X	X	X		X		X					02
			X					X					03
		X	X	X		X		X					04

Chain of Custody Page 1 of 1

ESC LABORATORY SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 989529

H124

Acctnum: PESENVSWA
Template: T134174
Prelogin: P645191
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEX Ground

Remarks	Sample # (lab only)
	01
	02
	03
	04

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier __ _____

Tracking # 4196 3259 3085

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4/27/18	1430	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Kathryn Green

Trip Blank Received: Yes / (No) HCL / MeoH TBR

Temp: 2.8 °C Bottles Received: 39

Date: 4/28/18 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Wet Chemistry by Method 2320 B-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Alkalinity	794000		2710	20000	1	05/04/2018 18:46	WG1105725

Sample Narrative:

L989529-01 WG1105725: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Chloride	15600		51.9	1000	1	04/28/2018 14:40	WG1104424
Nitrate	U		22.7	100	1	04/28/2018 14:40	WG1104424
Sulfate	426 J	J	77.4	5000	1	04/28/2018 14:40	WG1104424

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	33700		102	1000	1	05/01/2018 16:13	WG1105152

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	3160		15.0	100	1	05/02/2018 21:26	WG1104647
Manganese	2580		0.250	5.00	1	05/02/2018 21:26	WG1104647

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	49.3 U	B J	31.6	100	1	04/30/2018 14:21	WG1104802
(S) a,a,a-Trifluorotoluene(FID)	*93.0*			*77.0-122*		*04/30/2018 14:21*	WG1104802

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	7980		2.87	6.78	10	05/07/2018 14:03	WG1107762
Ethane	44.6		0.296	1.29	1	05/07/2018 10:35	WG1107156
Ethene	U		0.422	1.27	1	05/07/2018 10:35	WG1107156

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.40 J	J	1.05	25.0	1	04/29/2018 21:17	WG1104728
Acrylonitrile	U		0.873	5.00	1	04/29/2018 21:17	WG1104728
Benzene	0.514		0.0896	0.500	1	04/29/2018 21:17	WG1104728
Bromobenzene	U		0.133	0.500	1	04/29/2018 21:17	WG1104728
Bromodichloromethane	U		0.0800	0.500	1	04/29/2018 21:17	WG1104728
Bromochloromethane	U		0.145	0.500	1	04/29/2018 21:17	WG1104728
Bromoform	U		0.186	0.500	1	04/29/2018 21:17	WG1104728
Bromomethane	U		0.157	2.50	1	04/29/2018 21:17	WG1104728
n-Butylbenzene	U		0.143	0.500	1	04/29/2018 21:17	WG1104728
sec-Butylbenzene	U		0.134	0.500	1	04/29/2018 21:17	WG1104728
tert-Butylbenzene	U		0.183	0.500	1	04/29/2018 21:17	WG1104728
Carbon disulfide	U		0.101	0.500	1	04/29/2018 21:17	WG1104728
Carbon tetrachloride	U		0.159	0.500	1	04/29/2018 21:17	WG1104728

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/29/2018 21:17	WG1104728
Chlorodibromomethane	U		0.128	0.500	1	04/29/2018 21:17	WG1104728
Chloroethane	U		0.141	2.50	1	04/29/2018 21:17	WG1104728
Chloroform	U		0.0860	0.500	1	04/29/2018 21:17	WG1104728
Chloromethane	U		0.153	1.25	1	04/29/2018 21:17	WG1104728
2-Chlorotoluene	U		0.111	0.500	1	04/29/2018 21:17	WG1104728
4-Chlorotoluene	U		0.0972	0.500	1	04/29/2018 21:17	WG1104728
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/29/2018 21:17	WG1104728
1,2-Dibromoethane	U		0.193	0.500	1	04/29/2018 21:17	WG1104728
Dibromomethane	U		0.117	0.500	1	04/29/2018 21:17	WG1104728
1,2-Dichlorobenzene	U		0.101	0.500	1	04/29/2018 21:17	WG1104728
1,3-Dichlorobenzene	U		0.130	0.500	1	04/29/2018 21:17	WG1104728
1,4-Dichlorobenzene	U		0.121	0.500	1	04/29/2018 21:17	WG1104728
Dichlorodifluoromethane	U		0.127	2.50	1	04/29/2018 21:17	WG1104728
1,1-Dichloroethane	U		0.114	0.500	1	04/29/2018 21:17	WG1104728
1,2-Dichloroethane	U		0.108	0.500	1	04/29/2018 21:17	WG1104728
1,1-Dichloroethene	0.244	J J	0.188	0.500	1	04/29/2018 21:17	WG1104728
cis-1,2-Dichloroethene	46.1		0.0933	0.500	1	04/29/2018 21:17	WG1104728
trans-1,2-Dichloroethene	0.474	J J	0.152	0.500	1	04/29/2018 21:17	WG1104728
1,2-Dichloropropane	U		0.190	0.500	1	04/29/2018 21:17	WG1104728
1,1-Dichloropropene	U		0.128	0.500	1	04/29/2018 21:17	WG1104728
1,3-Dichloropropane	U		0.147	1.00	1	04/29/2018 21:17	WG1104728
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/29/2018 21:17	WG1104728
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/29/2018 21:17	WG1104728
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/29/2018 21:17	WG1104728
2,2-Dichloropropane	U		0.0929	0.500	1	04/29/2018 21:17	WG1104728
Di-isopropyl ether	U		0.0924	0.500	1	04/29/2018 21:17	WG1104728
Ethylbenzene	U		0.158	0.500	1	04/29/2018 21:17	WG1104728
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/29/2018 21:17	WG1104728
2-Hexanone	U		0.757	5.00	1	04/29/2018 21:17	WG1104728
n-Hexane	U		0.305	5.00	1	04/29/2018 21:17	WG1104728
Iodomethane	U		0.377	10.0	1	04/29/2018 21:17	WG1104728
Isopropylbenzene	U		0.126	0.500	1	04/29/2018 21:17	WG1104728
p-Isopropyltoluene	U		0.138	0.500	1	04/29/2018 21:17	WG1104728
2-Butanone (MEK)	U		1.28	5.00	1	04/29/2018 21:17	WG1104728
Methylene Chloride	U		1.07	2.50	1	04/29/2018 21:17	WG1104728
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/29/2018 21:17	WG1104728
Methyl tert-butyl ether	U		0.102	0.500	1	04/29/2018 21:17	WG1104728
Naphthalene	U		0.174	2.50	1	04/29/2018 21:17	WG1104728
n-Propylbenzene	U		0.162	0.500	1	04/29/2018 21:17	WG1104728
Styrene	U		0.117	0.500	1	04/29/2018 21:17	WG1104728
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/29/2018 21:17	WG1104728
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/29/2018 21:17	WG1104728
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/29/2018 21:17	WG1104728
Tetrachloroethene	0.523		0.199	0.500	1	04/29/2018 21:17	WG1104728
Toluene	U		0.412	0.500	1	04/29/2018 21:17	WG1104728
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/29/2018 21:17	WG1104728
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/29/2018 21:17	WG1104728
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/29/2018 21:17	WG1104728
1,1,2-Trichloroethane	U		0.186	0.500	1	04/29/2018 21:17	WG1104728
Trichloroethene	1.40		0.153	0.500	1	04/29/2018 21:17	WG1104728
Trichlorofluoromethane	U		0.130	2.50	1	04/29/2018 21:17	WG1104728
1,2,3-Trichloropropane	U		0.247	2.50	1	04/29/2018 21:17	WG1104728
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/29/2018 21:17	WG1104728
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/29/2018 21:17	WG1104728
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/29/2018 21:17	WG1104728

JC 6/11/18

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/29/2018 21:17	WG1104728
Vinyl chloride	17.2 J	J0	0.118	0.500	1	04/29/2018 21:17	WG1104728
Xylenes, Total	U		0.316	1.50	1	04/29/2018 21:17	WG1104728
(S) Toluene-d8	*101*			*80.0-120*		*04/29/2018 21:17*	WG1104728
(S) Dibromofluoromethane	*98.1*			*76.0-123*		*04/29/2018 21:17*	WG1104728
(S) 4-Bromofluorobenzene	*91.5*			*80.0-120*		*04/29/2018 21:17*	WG1104728

JC 6/11/18

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	740000		2710	20000	1	05/04/2018 19:00	WG1105725

Sample Narrative:

L989529-02 WG1105725: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	182000		260	5000	5	04/28/2018 15:05	WG1104424
Nitrate	U		22.7	100	1	04/28/2018 14:53	WG1104424
Sulfate	9390		77.4	5000	1	04/28/2018 14:53	WG1104424

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	159000		510	5000	5	05/01/2018 16:30	WG1105152

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1070		15.0	100	1	05/02/2018 21:31	WG1104647
Manganese	1980		0.250	5.00	1	05/02/2018 21:31	WG1104647

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	364		31.6	100	1	04/30/2018 14:43	WG1104802
(S) a,a,a-Trifluorotoluene(FID)	*92.9*			*77.0-122*		*04/30/2018 14:43*	WG1104802

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	17700		5.74	13.6	20	05/07/2018 14:06	WG1107762
Ethane	55.4		0.296	1.29	1	05/07/2018 10:47	WG1107156
Ethene	5480		0.422	1.27	1	05/07/2018 10:47	WG1107156

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	2.44 J	J	1.05	25.0	1	04/29/2018 21:37	WG1104728	
Acrylonitrile	U		0.873	5.00	1	04/29/2018 21:37	WG1104728	
Benzene	U		0.0896	0.500	1	04/29/2018 21:37	WG1104728	
Bromobenzene	U		0.133	0.500	1	04/29/2018 21:37	WG1104728	
Bromodichloromethane	U		0.0800	0.500	1	04/29/2018 21:37	WG1104728	
Bromochloromethane	U		0.145	0.500	1	04/29/2018 21:37	WG1104728	
Bromoform	U		0.186	0.500	1	04/29/2018 21:37	WG1104728	
Bromomethane	U		0.157	2.50	1	04/29/2018 21:37	WG1104728	
n-Butylbenzene	U		0.143	0.500	1	04/29/2018 21:37	WG1104728	
sec-Butylbenzene	U		0.134	0.500	1	04/29/2018 21:37	WG1104728	
tert-Butylbenzene	U		0.183	0.500	1	04/29/2018 21:37	WG1104728	JC 6/11/18
Carbon disulfide	U		0.101	0.500	1	04/29/2018 21:37	WG1104728	
Carbon tetrachloride	U		0.159	0.500	1	04/29/2018 21:37	WG1104728	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Chlorobenzene	U		0.140	0.500	1	04/29/2018 21:37	WG1104728	
Chlorodibromomethane	U		0.128	0.500	1	04/29/2018 21:37	WG1104728	
Chloroethane	U		0.141	2.50	1	04/29/2018 21:37	WG1104728	
Chloroform	U		0.0860	0.500	1	04/29/2018 21:37	WG1104728	
Chloromethane	U		0.153	1.25	1	04/29/2018 21:37	WG1104728	
2-Chlorotoluene	U		0.111	0.500	1	04/29/2018 21:37	WG1104728	
4-Chlorotoluene	U		0.0972	0.500	1	04/29/2018 21:37	WG1104728	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/29/2018 21:37	WG1104728	
1,2-Dibromoethane	U		0.193	0.500	1	04/29/2018 21:37	WG1104728	
Dibromomethane	U		0.117	0.500	1	04/29/2018 21:37	WG1104728	
1,2-Dichlorobenzene	U		0.101	0.500	1	04/29/2018 21:37	WG1104728	
1,3-Dichlorobenzene	U		0.130	0.500	1	04/29/2018 21:37	WG1104728	
1,4-Dichlorobenzene	U		0.121	0.500	1	04/29/2018 21:37	WG1104728	
Dichlorodifluoromethane	U		0.127	2.50	1	04/29/2018 21:37	WG1104728	
1,1-Dichloroethane	U		0.114	0.500	1	04/29/2018 21:37	WG1104728	
1,2-Dichloroethane	U		0.108	0.500	1	04/29/2018 21:37	WG1104728	
1,1-Dichloroethene	1.15		0.188	0.500	1	04/29/2018 21:37	WG1104728	
cis-1,2-Dichloroethene	662		4.66	25.0	50	05/03/2018 20:30	WG1104728	
trans-1,2-Dichloroethene	4.65		0.152	0.500	1	04/29/2018 21:37	WG1104728	
1,2-Dichloropropane	U		0.190	0.500	1	04/29/2018 21:37	WG1104728	
1,1-Dichloropropene	U		0.128	0.500	1	04/29/2018 21:37	WG1104728	
1,3-Dichloropropane	U		0.147	1.00	1	04/29/2018 21:37	WG1104728	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/29/2018 21:37	WG1104728	
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/29/2018 21:37	WG1104728	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/29/2018 21:37	WG1104728	
2,2-Dichloropropane	U		0.0929	0.500	1	04/29/2018 21:37	WG1104728	
Di-isopropyl ether	U		0.0924	0.500	1	04/29/2018 21:37	WG1104728	
Ethylbenzene	U		0.158	0.500	1	04/29/2018 21:37	WG1104728	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/29/2018 21:37	WG1104728	
2-Hexanone	U		0.757	5.00	1	04/29/2018 21:37	WG1104728	
n-Hexane	U		0.305	5.00	1	04/29/2018 21:37	WG1104728	
Iodomethane	U		0.377	10.0	1	04/29/2018 21:37	WG1104728	
Isopropylbenzene	U		0.126	0.500	1	04/29/2018 21:37	WG1104728	
p-Isopropyltoluene	U		0.138	0.500	1	04/29/2018 21:37	WG1104728	
2-Butanone (MEK)	3.85	J	1.28	5.00	1	04/29/2018 21:37	WG1104728	
Methylene Chloride	U		1.07	2.50	1	04/29/2018 21:37	WG1104728	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/29/2018 21:37	WG1104728	
Methyl tert-butyl ether	U		0.102	0.500	1	04/29/2018 21:37	WG1104728	
Naphthalene	U		0.174	2.50	1	04/29/2018 21:37	WG1104728	
n-Propylbenzene	U		0.162	0.500	1	04/29/2018 21:37	WG1104728	
Styrene	U		0.117	0.500	1	04/29/2018 21:37	WG1104728	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/29/2018 21:37	WG1104728	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/29/2018 21:37	WG1104728	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/29/2018 21:37	WG1104728	
Tetrachloroethene	1.86		0.199	0.500	1	04/29/2018 21:37	WG1104728	
Toluene	1.40		0.412	0.500	1	04/29/2018 21:37	WG1104728	
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/29/2018 21:37	WG1104728	
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/29/2018 21:37	WG1104728	
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/29/2018 21:37	WG1104728	JC 6/11/18
1,1,2-Trichloroethane	U		0.186	0.500	1	04/29/2018 21:37	WG1104728	
Trichloroethene	3.31		0.153	0.500	1	04/29/2018 21:37	WG1104728	
Trichlorofluoromethane	U		0.130	2.50	1	04/29/2018 21:37	WG1104728	
1,2,3-Trichloropropane	U		0.247	2.50	1	04/29/2018 21:37	WG1104728	
1,2,4-Trimethylbenzene	0.145	J	0.123	0.500	1	04/29/2018 21:37	WG1104728	
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/29/2018 21:37	WG1104728	
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/29/2018 21:37	WG1104728	

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/29/2018 21:37	WG1104728
Vinyl chloride	888		5.90	25.0	50	05/03/2018 20:30	WG1104728
Xylenes, Total	U		0.316	1.50	1	04/29/2018 21:37	WG1104728
(S) Toluene-d8	*107*			*80.0-120*		*05/03/2018 20:30*	WG1104728
(S) Toluene-d8	*103*			*80.0-120*		*04/29/2018 21:37*	WG1104728
(S) Dibromofluoromethane	*105*			*76.0-123*		*05/03/2018 20:30*	WG1104728
(S) Dibromofluoromethane	*98.2*			*76.0-123*		*04/29/2018 21:37*	WG1104728
(S) 4-Bromofluorobenzene	*109*			*80.0-120*		*05/03/2018 20:30*	WG1104728
(S) 4-Bromofluorobenzene	*91.9*			*80.0-120*		*04/29/2018 21:37*	WG1104728

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Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	60.9 U	B J	31.6	100	1	04/30/2018 15:05	WG1104802
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*77.0-122*		*04/30/2018 15:05*	WG1104802

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	04/29/2018 21:56	WG1104728
Acrylonitrile	U		0.873	5.00	1	04/29/2018 21:56	WG1104728
Benzene	U		0.0896	0.500	1	04/29/2018 21:56	WG1104728
Bromobenzene	U		0.133	0.500	1	04/29/2018 21:56	WG1104728
Bromodichloromethane	U		0.0800	0.500	1	04/29/2018 21:56	WG1104728
Bromochloromethane	U		0.145	0.500	1	04/29/2018 21:56	WG1104728
Bromoform	U		0.186	0.500	1	04/29/2018 21:56	WG1104728
Bromomethane	U		0.157	2.50	1	04/29/2018 21:56	WG1104728
n-Butylbenzene	U		0.143	0.500	1	04/29/2018 21:56	WG1104728
sec-Butylbenzene	U		0.134	0.500	1	04/29/2018 21:56	WG1104728
tert-Butylbenzene	U		0.183	0.500	1	04/29/2018 21:56	WG1104728
Carbon disulfide	U		0.101	0.500	1	04/29/2018 21:56	WG1104728
Carbon tetrachloride	U		0.159	0.500	1	04/29/2018 21:56	WG1104728
Chlorobenzene	U		0.140	0.500	1	04/29/2018 21:56	WG1104728
Chlorodibromomethane	U		0.128	0.500	1	04/29/2018 21:56	WG1104728
Chloroethane	U		0.141	2.50	1	04/29/2018 21:56	WG1104728
Chloroform	U		0.0860	0.500	1	04/29/2018 21:56	WG1104728
Chloromethane	U		0.153	1.25	1	04/29/2018 21:56	WG1104728
2-Chlorotoluene	U		0.111	0.500	1	04/29/2018 21:56	WG1104728
4-Chlorotoluene	U		0.0972	0.500	1	04/29/2018 21:56	WG1104728
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/29/2018 21:56	WG1104728
1,2-Dibromoethane	U		0.193	0.500	1	04/29/2018 21:56	WG1104728
Dibromomethane	U		0.117	0.500	1	04/29/2018 21:56	WG1104728
1,2-Dichlorobenzene	U		0.101	0.500	1	04/29/2018 21:56	WG1104728
1,3-Dichlorobenzene	U		0.130	0.500	1	04/29/2018 21:56	WG1104728
1,4-Dichlorobenzene	U		0.121	0.500	1	04/29/2018 21:56	WG1104728
Dichlorodifluoromethane	U		0.127	2.50	1	04/29/2018 21:56	WG1104728
1,1-Dichloroethane	U		0.114	0.500	1	04/29/2018 21:56	WG1104728
1,2-Dichloroethane	U		0.108	0.500	1	04/29/2018 21:56	WG1104728
1,1-Dichloroethene	U		0.188	0.500	1	04/29/2018 21:56	WG1104728
cis-1,2-Dichloroethene	0.466 J	J	0.0933	0.500	1	05/03/2018 20:50	WG1104728
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/29/2018 21:56	WG1104728
1,2-Dichloropropane	U		0.190	0.500	1	04/29/2018 21:56	WG1104728
1,1-Dichloropropene	U		0.128	0.500	1	04/29/2018 21:56	WG1104728
1,3-Dichloropropane	U		0.147	1.00	1	04/29/2018 21:56	WG1104728
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/29/2018 21:56	WG1104728
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/29/2018 21:56	WG1104728
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/29/2018 21:56	WG1104728
2,2-Dichloropropane	U		0.0929	0.500	1	04/29/2018 21:56	WG1104728
Di-isopropyl ether	U		0.0924	0.500	1	04/29/2018 21:56	WG1104728
Ethylbenzene	U		0.158	0.500	1	04/29/2018 21:56	WG1104728
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/29/2018 21:56	WG1104728
2-Hexanone	U		0.757	5.00	1	04/29/2018 21:56	WG1104728
n-Hexane	U		0.305	5.00	1	04/29/2018 21:56	WG1104728
Iodomethane	U		0.377	10.0	1	04/29/2018 21:56	WG1104728
Isopropylbenzene	U		0.126	0.500	1	04/29/2018 21:56	WG1104728
p-Isopropyltoluene	U		0.138	0.500	1	04/29/2018 21:56	WG1104728
2-Butanone (MEK)	U		1.28	5.00	1	04/29/2018 21:56	WG1104728

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		1.07	2.50	1	04/29/2018 21:56	WG1104728
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/29/2018 21:56	WG1104728
Methyl tert-butyl ether	U		0.102	0.500	1	04/29/2018 21:56	WG1104728
Naphthalene	U		0.174	2.50	1	04/29/2018 21:56	WG1104728
n-Propylbenzene	U		0.162	0.500	1	04/29/2018 21:56	WG1104728
Styrene	U		0.117	0.500	1	04/29/2018 21:56	WG1104728
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/29/2018 21:56	WG1104728
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/29/2018 21:56	WG1104728
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/29/2018 21:56	WG1104728
Tetrachloroethene	3.48		0.199	0.500	1	04/29/2018 21:56	WG1104728
Toluene	U		0.412	0.500	1	04/29/2018 21:56	WG1104728
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/29/2018 21:56	WG1104728
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/29/2018 21:56	WG1104728
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/29/2018 21:56	WG1104728
1,1,2-Trichloroethane	U		0.186	0.500	1	04/29/2018 21:56	WG1104728
Trichloroethene	0.334	J J	0.153	0.500	1	04/29/2018 21:56	WG1104728
Trichlorofluoromethane	U		0.130	2.50	1	04/29/2018 21:56	WG1104728
1,2,3-Trichloropropane	U		0.247	2.50	1	04/29/2018 21:56	WG1104728
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/29/2018 21:56	WG1104728
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/29/2018 21:56	WG1104728
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/29/2018 21:56	WG1104728
Vinyl acetate	U		0.645	5.00	1	04/29/2018 21:56	WG1104728
Vinyl chloride	0.447	J J	0.118	0.500	1	05/03/2018 20:50	WG1104728
Xylenes, Total	U		0.316	1.50	1	04/29/2018 21:56	WG1104728
(S) Toluene-d8	*107*			*80.0-120*		*05/03/2018 20:50*	WG1104728
(S) Toluene-d8	*105*			*80.0-120*		*04/29/2018 21:56*	WG1104728
(S) Dibromofluoromethane	*101*			*76.0-123*		*05/03/2018 20:50*	WG1104728
(S) Dibromofluoromethane	*96.9*			*76.0-123*		*04/29/2018 21:56*	WG1104728
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*05/03/2018 20:50*	WG1104728
(S) 4-Bromofluorobenzene	*90.3*			*80.0-120*		*04/29/2018 21:56*	WG1104728

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Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Alkalinity	272000		2710	20000	1	05/04/2018 19:07	WG1105725

Sample Narrative:

L989529-04 WG1105725: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	74400		51.9	1000	1	04/28/2018 15:42	WG1104424
Nitrate	238		22.7	100	1	04/28/2018 15:42	WG1104424
Sulfate	71000		77.4	5000	1	04/28/2018 15:42	WG1104424

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	8090 J	J	1020	10000	10	05/01/2018 16:48	WG1105152

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	42900		15.0	100	1	05/02/2018 21:35	WG1104647
Manganese	912		0.250	5.00	1	05/02/2018 21:35	WG1104647

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	52.6 U	B J	31.6	100	1	04/30/2018 15:27	WG1104802
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*77.0-122*		*04/30/2018 15:27*	WG1104802

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	2050		0.287	0.678	1	05/07/2018 10:53	WG1107156
Ethane	U		0.296	1.29	1	05/07/2018 10:53	WG1107156
Ethene	18.5		0.422	1.27	1	05/07/2018 10:53	WG1107156

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	6.71 J	J	1.05	25.0	1	04/29/2018 22:16	WG1104728
Acrylonitrile	U		0.873	5.00	1	04/29/2018 22:16	WG1104728
Benzene	U		0.0896	0.500	1	04/29/2018 22:16	WG1104728
Bromobenzene	U		0.133	0.500	1	04/29/2018 22:16	WG1104728
Bromodichloromethane	U		0.0800	0.500	1	04/29/2018 22:16	WG1104728
Bromochloromethane	U		0.145	0.500	1	04/29/2018 22:16	WG1104728
Bromoform	U		0.186	0.500	1	04/29/2018 22:16	WG1104728
Bromomethane	U		0.157	2.50	1	04/29/2018 22:16	WG1104728
n-Butylbenzene	U		0.143	0.500	1	04/29/2018 22:16	WG1104728
sec-Butylbenzene	U		0.134	0.500	1	04/29/2018 22:16	WG1104728
tert-Butylbenzene	U		0.183	0.500	1	04/29/2018 22:16	WG1104728
Carbon disulfide	U		0.101	0.500	1	04/29/2018 22:16	WG1104728
Carbon tetrachloride	U		0.159	0.500	1	04/29/2018 22:16	WG1104728

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Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlorobenzene	U		0.140	0.500	1	04/29/2018 22:16	WG1104728
Chlorodibromomethane	U		0.128	0.500	1	04/29/2018 22:16	WG1104728
Chloroethane	U		0.141	2.50	1	04/29/2018 22:16	WG1104728
Chloroform	U		0.0860	0.500	1	04/29/2018 22:16	WG1104728
Chloromethane	U		0.153	1.25	1	04/29/2018 22:16	WG1104728
2-Chlorotoluene	U		0.111	0.500	1	04/29/2018 22:16	WG1104728
4-Chlorotoluene	U		0.0972	0.500	1	04/29/2018 22:16	WG1104728
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	04/29/2018 22:16	WG1104728
1,2-Dibromoethane	U		0.193	0.500	1	04/29/2018 22:16	WG1104728
Dibromomethane	U		0.117	0.500	1	04/29/2018 22:16	WG1104728
1,2-Dichlorobenzene	U		0.101	0.500	1	04/29/2018 22:16	WG1104728
1,3-Dichlorobenzene	U		0.130	0.500	1	04/29/2018 22:16	WG1104728
1,4-Dichlorobenzene	U		0.121	0.500	1	04/29/2018 22:16	WG1104728
Dichlorodifluoromethane	U		0.127	2.50	1	04/29/2018 22:16	WG1104728
1,1-Dichloroethane	U		0.114	0.500	1	04/29/2018 22:16	WG1104728
1,2-Dichloroethane	U		0.108	0.500	1	04/29/2018 22:16	WG1104728
1,1-Dichloroethene	U		0.188	0.500	1	04/29/2018 22:16	WG1104728
cis-1,2-Dichloroethene	2.29		0.0933	0.500	1	04/29/2018 22:16	WG1104728
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/29/2018 22:16	WG1104728
1,2-Dichloropropane	U		0.190	0.500	1	04/29/2018 22:16	WG1104728
1,1-Dichloropropene	U		0.128	0.500	1	04/29/2018 22:16	WG1104728
1,3-Dichloropropane	U		0.147	1.00	1	04/29/2018 22:16	WG1104728
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/29/2018 22:16	WG1104728
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/29/2018 22:16	WG1104728
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	04/29/2018 22:16	WG1104728
2,2-Dichloropropane	U		0.0929	0.500	1	04/29/2018 22:16	WG1104728
Di-isopropyl ether	U		0.0924	0.500	1	04/29/2018 22:16	WG1104728
Ethylbenzene	U		0.158	0.500	1	04/29/2018 22:16	WG1104728
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/29/2018 22:16	WG1104728
2-Hexanone	U		0.757	5.00	1	04/29/2018 22:16	WG1104728
n-Hexane	U		0.305	5.00	1	04/29/2018 22:16	WG1104728
Iodomethane	U		0.377	10.0	1	04/29/2018 22:16	WG1104728
Isopropylbenzene	U		0.126	0.500	1	04/29/2018 22:16	WG1104728
p-Isopropyltoluene	U		0.138	0.500	1	04/29/2018 22:16	WG1104728
2-Butanone (MEK)	U		1.28	5.00	1	04/29/2018 22:16	WG1104728
Methylene Chloride	U		1.07	2.50	1	04/29/2018 22:16	WG1104728
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/29/2018 22:16	WG1104728
Methyl tert-butyl ether	U		0.102	0.500	1	04/29/2018 22:16	WG1104728
Naphthalene	U		0.174	2.50	1	04/29/2018 22:16	WG1104728
n-Propylbenzene	U		0.162	0.500	1	04/29/2018 22:16	WG1104728
Styrene	U		0.117	0.500	1	04/29/2018 22:16	WG1104728
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/29/2018 22:16	WG1104728
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/29/2018 22:16	WG1104728
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/29/2018 22:16	WG1104728
Tetrachloroethene	0.305	J J	0.199	0.500	1	04/29/2018 22:16	WG1104728
Toluene	U		0.412	0.500	1	04/29/2018 22:16	WG1104728
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/29/2018 22:16	WG1104728
1,2,4-Trichlorobenzene	U		0.355	0.500	1	04/29/2018 22:16	WG1104728
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/29/2018 22:16	WG1104728
1,1,2-Trichloroethane	U		0.186	0.500	1	04/29/2018 22:16	WG1104728
Trichloroethene	0.212	J J	0.153	0.500	1	04/29/2018 22:16	WG1104728
Trichlorofluoromethane	U		0.130	2.50	1	04/29/2018 22:16	WG1104728
1,2,3-Trichloropropane	U		0.247	2.50	1	04/29/2018 22:16	WG1104728
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/29/2018 22:16	WG1104728
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/29/2018 22:16	WG1104728
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/29/2018 22:16	WG1104728

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Vinyl acetate	U		0.645	5.00	1	04/29/2018 22:16	WG1104728
Vinyl chloride	3.88 J	J0	0.118	0.500	1	04/29/2018 22:16	WG1104728
Xylenes, Total	U		0.316	1.50	1	04/29/2018 22:16	WG1104728
(S) Toluene-d8	*102*			*80.0-120*		*04/29/2018 22:16*	WG1104728
(S) Dibromofluoromethane	*97.3*			*76.0-123*		*04/29/2018 22:16*	WG1104728
(S) 4-Bromofluorobenzene	*90.3*			*80.0-120*		*04/29/2018 22:16*	WG1104728

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