APPENDIX J-3

2017 ANALYTICAL DATA REPORTS AND DATA VALIDATION REVIEW MEMOS

ANALYTICAL REPORT

August 30, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L931655
Samples Received:	08/24/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	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.

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MW-132-50 L931655-01 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/22/17 17:10 | Received date/time: 08/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1014628	1	08/29/17 12:17	08/29/17 12:31	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014268	1	08/22/17 17:10	08/28/17 16:46	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	1	08/22/17 17:10	08/26/17 17:07	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	25	08/22/17 17:10	08/28/17 18:38	BMB

MW-132-55 L931655-02 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/23/17 08:10 | Received date/time: 08/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1014667	1	08/29/17 12:33	08/29/17 12:56	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014268	25	08/23/17 08:10	08/30/17 10:04	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	100	08/23/17 08:10	08/26/17 17:28	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	10000	08/23/17 08:10	08/28/17 19:04	BMB

MW-132-60 L931655-03 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/23/17 09:05 | Received date/time: 08/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1014667	1	08/29/17 12:33	08/29/17 12:56	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014268	1	08/23/17 09:05	08/28/17 17:08	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	1	08/23/17 09:05	08/26/17 17:49	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	27.25	08/23/17 09:05	08/28/17 19:30	BMB

MW-132-70 L931655-04 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/23/17 10:35 | Received date/time: 08/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1014667	1	08/29/17 12:33	08/29/17 12:56	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014268	25	08/23/17 10:35	08/30/17 02:02	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	1	08/23/17 10:35	08/26/17 18:10	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	25	08/23/17 10:35	08/28/17 20:21	BMB

MW-132-83 L931655-05 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/23/17 12:05 | Received date/time: 08/24/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1014667	1	08/29/17 12:33	08/29/17 12:56	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014268	25	08/23/17 12:05	08/30/17 02:24	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	1	08/23/17 12:05	08/26/17 18:31	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1013822	25	08/23/17 12:05	08/28/17 20:47	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	08/29/2017 12:31	WG1014628

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	1.97		0.0367	0.108	1	08/28/2017 16:46	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*98.0*			*77.0-120*		*08/28/2017 16:46*	WG1014268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0231	J	0.0108	0.0541	1	08/26/2017 17:07	WG1013822
Acrylonitrile	U		0.00194	0.0108	1	08/26/2017 17:07	WG1013822
Benzene	U		0.000292	0.00108	1	08/26/2017 17:07	WG1013822
Bromobenzene	U	J4	0.000307	0.00108	1	08/26/2017 17:07	WG1013822
Bromodichloromethane	U		0.000275	0.00108	1	08/26/2017 17:07	WG1013822
Bromochloromethane	U		0.000422	0.00541	1	08/26/2017 17:07	WG1013822
Bromoform	U		0.000459	0.00108	1	08/26/2017 17:07	WG1013822
Bromomethane	U		0.00145	0.00541	1	08/26/2017 17:07	WG1013822
n-Butylbenzene	U		0.000279	0.00108	1	08/26/2017 17:07	WG1013822
sec-Butylbenzene	U		0.000217	0.00108	1	08/26/2017 17:07	WG1013822
tert-Butylbenzene	U		0.000223	0.00108	1	08/26/2017 17:07	WG1013822
Carbon disulfide	0.00341	J0	0.000239	0.00108	1	08/26/2017 17:07	WG1013822
Carbon tetrachloride	U		0.000355	0.00108	1	08/26/2017 17:07	WG1013822
Chlorobenzene	U		0.000229	0.00108	1	08/26/2017 17:07	WG1013822
Chlorodibromomethane	U		0.000404	0.00108	1	08/26/2017 17:07	WG1013822
Chloroethane	U		0.00102	0.00541	1	08/26/2017 17:07	WG1013822
Chloroform	U		0.000248	0.00541	1	08/26/2017 17:07	WG1013822
Chloromethane	U		0.000406	0.00270	1	08/26/2017 17:07	WG1013822
2-Chlorotoluene	U		0.000326	0.00108	1	08/26/2017 17:07	WG1013822
4-Chlorotoluene	U	J4	0.000260	0.00108	1	08/26/2017 17:07	WG1013822
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	08/26/2017 17:07	WG1013822
1,2-Dibromoethane	U		0.000371	0.00108	1	08/26/2017 17:07	WG1013822
Dibromomethane	U		0.000413	0.00108	1	08/26/2017 17:07	WG1013822
1,2-Dichlorobenzene	U		0.000330	0.00108	1	08/26/2017 17:07	WG1013822
1,3-Dichlorobenzene	U		0.000259	0.00108	1	08/26/2017 17:07	WG1013822
1,4-Dichlorobenzene	U		0.000244	0.00108	1	08/26/2017 17:07	WG1013822
Dichlorodifluoromethane	U		0.000771	0.00541	1	08/26/2017 17:07	WG1013822
1,1-Dichloroethane	U		0.000215	0.00108	1	08/26/2017 17:07	WG1013822
1,2-Dichloroethane	U	J4	0.000287	0.00108	1	08/26/2017 17:07	WG1013822
1,1-Dichloroethene	0.00220		0.000328	0.00108	1	08/26/2017 17:07	WG1013822
cis-1,2-Dichloroethene	4.62		0.00636	0.0270	25	08/28/2017 18:38	WG1013822
trans-1,2-Dichloroethene	0.0405		0.000286	0.00108	1	08/26/2017 17:07	WG1013822
1,2-Dichloropropane	U		0.000387	0.00108	1	08/26/2017 17:07	WG1013822
1,1-Dichloropropene	U		0.000343	0.00108	1	08/26/2017 17:07	WG1013822
1,3-Dichloropropane	U		0.000224	0.00108	1	08/26/2017 17:07	WG1013822
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	08/26/2017 17:07	WG1013822
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	08/26/2017 17:07	WG1013822
trans-1,4-Dichloro-2-butene	U		0.000842	0.00270	1	08/26/2017 17:07	WG1013822
2,2-Dichloropropane	U		0.000302	0.00108	1	08/26/2017 17:07	WG1013822
Di-isopropyl ether	U		0.000268	0.00108	1	08/26/2017 17:07	WG1013822
Ethylbenzene	U		0.000321	0.00108	1	08/26/2017 17:07	WG1013822
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	08/26/2017 17:07	WG1013822
2-Hexanone	U		0.00148	0.0108	1	08/26/2017 17:07	WG1013822
n-Hexane	0.00271	J	0.000314	0.0108	1	08/26/2017 17:07	WG1013822

Volatile Organic Compounds (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	08/26/2017 17:07	WG1013822
Isopropylbenzene	U		0.000263	0.00108	1	08/26/2017 17:07	WG1013822
p-Isopropyltoluene	U		0.000221	0.00108	1	08/26/2017 17:07	WG1013822
2-Butanone (MEK)	U		0.00506	0.0108	1	08/26/2017 17:07	WG1013822
Methylene Chloride	U		0.00108	0.00541	1	08/26/2017 17:07	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	08/26/2017 17:07	WG1013822
Methyl tert-butyl ether	U		0.000229	0.00108	1	08/26/2017 17:07	WG1013822
Naphthalene	U		0.00108	0.00541	1	08/26/2017 17:07	WG1013822
n-Propylbenzene	U		0.000223	0.00108	1	08/26/2017 17:07	WG1013822
Styrene	U		0.000253	0.00108	1	08/26/2017 17:07	WG1013822
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	08/26/2017 17:07	WG1013822
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	08/26/2017 17:07	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	08/26/2017 17:07	WG1013822
Tetrachloroethene	0.109		0.000299	0.00108	1	08/26/2017 17:07	WG1013822
Toluene	U		0.000470	0.00541	1	08/26/2017 17:07	WG1013822
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	08/26/2017 17:07	WG1013822
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	08/26/2017 17:07	WG1013822
1,1,1-Trichloroethane	U		0.000309	0.00108	1	08/26/2017 17:07	WG1013822
1,1,2-Trichloroethane	U		0.000300	0.00108	1	08/26/2017 17:07	WG1013822
Trichloroethene	0.153		0.000302	0.00108	1	08/26/2017 17:07	WG1013822
Trichlorofluoromethane	U		0.000413	0.00541	1	08/26/2017 17:07	WG1013822
1,2,3-Trichloropropane	U		0.000802	0.00270	1	08/26/2017 17:07	WG1013822
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	08/26/2017 17:07	WG1013822
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	08/26/2017 17:07	WG1013822
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	08/26/2017 17:07	WG1013822
Vinyl acetate	U		0.00259	0.0108	1	08/26/2017 17:07	WG1013822
Vinyl chloride	0.00219		0.000315	0.00108	1	08/26/2017 17:07	WG1013822
Xylenes, Total	U		0.000755	0.00325	1	08/26/2017 17:07	WG1013822
(S) Toluene-d8	*91.8*			*80.0-120*		*08/26/2017 17:07*	WG1013822
(S) Toluene-d8	*99.0*			*80.0-120*		*08/28/2017 18:38*	WG1013822
(S) Dibromofluoromethane	*97.5*			*74.0-131*		*08/28/2017 18:38*	WG1013822
(S) Dibromofluoromethane	*117*			*74.0-131*		*08/26/2017 17:07*	WG1013822
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*08/26/2017 17:07*	WG1013822
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*08/28/2017 18:38*	WG1013822

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	08/29/2017 12:56	WG1014667

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	126		0.975	2.87	25	08/30/2017 10:04	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*08/30/2017 10:04*	WG1014268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.15	5.75	100	08/26/2017 17:28	WG1013822
Acrylonitrile	U		0.206	1.15	100	08/26/2017 17:28	WG1013822
Benzene	U		0.0310	0.115	100	08/26/2017 17:28	WG1013822
Bromobenzene	U	J4	0.0327	0.115	100	08/26/2017 17:28	WG1013822
Bromodichloromethane	U		0.0292	0.115	100	08/26/2017 17:28	WG1013822
Bromochloromethane	U		0.0448	0.575	100	08/26/2017 17:28	WG1013822
Bromoform	U		0.0488	0.115	100	08/26/2017 17:28	WG1013822
Bromomethane	U		0.154	0.575	100	08/26/2017 17:28	WG1013822
n-Butylbenzene	U		0.0297	0.115	100	08/26/2017 17:28	WG1013822
sec-Butylbenzene	U		0.0231	0.115	100	08/26/2017 17:28	WG1013822
tert-Butylbenzene	U		0.0237	0.115	100	08/26/2017 17:28	WG1013822
Carbon disulfide	U		0.0254	0.115	100	08/26/2017 17:28	WG1013822
Carbon tetrachloride	U		0.0377	0.115	100	08/26/2017 17:28	WG1013822
Chlorobenzene	U		0.0244	0.115	100	08/26/2017 17:28	WG1013822
Chlorodibromomethane	U		0.0429	0.115	100	08/26/2017 17:28	WG1013822
Chloroethane	U		0.109	0.575	100	08/26/2017 17:28	WG1013822
Chloroform	U		0.0263	0.575	100	08/26/2017 17:28	WG1013822
Chloromethane	U		0.0431	0.287	100	08/26/2017 17:28	WG1013822
2-Chlorotoluene	U		0.0346	0.115	100	08/26/2017 17:28	WG1013822
4-Chlorotoluene	U	J4	0.0276	0.115	100	08/26/2017 17:28	WG1013822
1,2-Dibromo-3-Chloropropane	U		0.121	0.575	100	08/26/2017 17:28	WG1013822
1,2-Dibromoethane	U		0.0394	0.115	100	08/26/2017 17:28	WG1013822
Dibromomethane	U		0.0439	0.115	100	08/26/2017 17:28	WG1013822
1,2-Dichlorobenzene	U		0.0351	0.115	100	08/26/2017 17:28	WG1013822
1,3-Dichlorobenzene	U		0.0275	0.115	100	08/26/2017 17:28	WG1013822
1,4-Dichlorobenzene	U		0.0260	0.115	100	08/26/2017 17:28	WG1013822
Dichlorodifluoromethane	U		0.0820	0.575	100	08/26/2017 17:28	WG1013822
1,1-Dichloroethane	U		0.0229	0.115	100	08/26/2017 17:28	WG1013822
1,2-Dichloroethane	U	J4	0.0305	0.115	100	08/26/2017 17:28	WG1013822
1,1-Dichloroethene	U		0.0348	0.115	100	08/26/2017 17:28	WG1013822
cis-1,2-Dichloroethene	2.22		0.0270	0.115	100	08/26/2017 17:28	WG1013822
trans-1,2-Dichloroethene	0.0725	J	0.0304	0.115	100	08/26/2017 17:28	WG1013822
1,2-Dichloropropane	U		0.0412	0.115	100	08/26/2017 17:28	WG1013822
1,1-Dichloropropene	U		0.0365	0.115	100	08/26/2017 17:28	WG1013822
1,3-Dichloropropane	U		0.0238	0.115	100	08/26/2017 17:28	WG1013822
cis-1,3-Dichloropropene	U		0.0301	0.115	100	08/26/2017 17:28	WG1013822
trans-1,3-Dichloropropene	U		0.0307	0.115	100	08/26/2017 17:28	WG1013822
trans-1,4-Dichloro-2-butene	U		0.0895	0.287	100	08/26/2017 17:28	WG1013822
2,2-Dichloropropane	U		0.0321	0.115	100	08/26/2017 17:28	WG1013822
Di-isopropyl ether	U		0.0285	0.115	100	08/26/2017 17:28	WG1013822
Ethylbenzene	U		0.0342	0.115	100	08/26/2017 17:28	WG1013822
Hexachloro-1,3-butadiene	U		0.0393	0.115	100	08/26/2017 17:28	WG1013822
2-Hexanone	U		0.158	1.15	100	08/26/2017 17:28	WG1013822
n-Hexane	U		0.0333	1.15	100	08/26/2017 17:28	WG1013822

Volatile Organic Compounds (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		0.291	1.15	100	08/26/2017 17:28	WG1013822
Isopropylbenzene	U		0.0279	0.115	100	08/26/2017 17:28	WG1013822
p-Isopropyltoluene	U		0.0235	0.115	100	08/26/2017 17:28	WG1013822
2-Butanone (MEK)	U		0.538	1.15	100	08/26/2017 17:28	WG1013822
Methylene Chloride	U		0.115	0.575	100	08/26/2017 17:28	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.216	1.15	100	08/26/2017 17:28	WG1013822
Methyl tert-butyl ether	0.159		0.0244	0.115	100	08/26/2017 17:28	WG1013822
Naphthalene	U		0.115	0.575	100	08/26/2017 17:28	WG1013822
n-Propylbenzene	0.0501	J	0.0237	0.115	100	08/26/2017 17:28	WG1013822
Styrene	U		0.0269	0.115	100	08/26/2017 17:28	WG1013822
1,1,1,2-Tetrachloroethane	U		0.0304	0.115	100	08/26/2017 17:28	WG1013822
1,1,2,2-Tetrachloroethane	U		0.0420	0.115	100	08/26/2017 17:28	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.0420	0.115	100	08/26/2017 17:28	WG1013822
Tetrachloroethene	385		3.17	11.5	10000	08/28/2017 19:04	WG1013822
Toluene	U		0.0499	0.575	100	08/26/2017 17:28	WG1013822
1,2,3-Trichlorobenzene	U		0.0352	0.115	100	08/26/2017 17:28	WG1013822
1,2,4-Trichlorobenzene	U		0.0446	0.115	100	08/26/2017 17:28	WG1013822
1,1,1-Trichloroethane	U		0.0329	0.115	100	08/26/2017 17:28	WG1013822
1,1,2-Trichloroethane	U		0.0319	0.115	100	08/26/2017 17:28	WG1013822
Trichloroethene	9.63		0.0321	0.115	100	08/26/2017 17:28	WG1013822
Trichlorofluoromethane	U		0.0439	0.575	100	08/26/2017 17:28	WG1013822
1,2,3-Trichloropropane	U		0.0852	0.287	100	08/26/2017 17:28	WG1013822
1,2,4-Trimethylbenzene	0.212		0.0243	0.115	100	08/26/2017 17:28	WG1013822
1,2,3-Trimethylbenzene	0.0533	J	0.0330	0.115	100	08/26/2017 17:28	WG1013822
1,3,5-Trimethylbenzene	0.0664	J	0.0306	0.115	100	08/26/2017 17:28	WG1013822
Vinyl acetate	U		0.275	1.15	100	08/26/2017 17:28	WG1013822
Vinyl chloride	U		0.0335	0.115	100	08/26/2017 17:28	WG1013822
Xylenes, Total	U		0.0803	0.345	100	08/26/2017 17:28	WG1013822
(S) Toluene-d8	*95.7*			*80.0-120*		*08/26/2017 17:28*	WG1013822
(S) Toluene-d8	*106*			*80.0-120*		*08/28/2017 19:04*	WG1013822
(S) Dibromofluoromethane	*106*			*74.0-131*		*08/26/2017 17:28*	WG1013822
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*08/28/2017 19:04*	WG1013822
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*08/28/2017 19:04*	WG1013822
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*08/26/2017 17:28*	WG1013822

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	08/29/2017 12:56	WG1014667

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	0.276		0.0365	0.108	1	08/28/2017 17:08	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*08/28/2017 17:08*	WG1014268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0149	J	0.0108	0.0538	1	08/26/2017 17:49	WG1013822
Acrylonitrile	U		0.00193	0.0108	1	08/26/2017 17:49	WG1013822
Benzene	U		0.000291	0.00108	1	08/26/2017 17:49	WG1013822
Bromobenzene	U	J4	0.000306	0.00108	1	08/26/2017 17:49	WG1013822
Bromodichloromethane	U		0.000274	0.00108	1	08/26/2017 17:49	WG1013822
Bromochloromethane	U		0.000420	0.00538	1	08/26/2017 17:49	WG1013822
Bromoform	U		0.000457	0.00108	1	08/26/2017 17:49	WG1013822
Bromomethane	U		0.00144	0.00538	1	08/26/2017 17:49	WG1013822
n-Butylbenzene	U		0.000278	0.00108	1	08/26/2017 17:49	WG1013822
sec-Butylbenzene	U		0.000216	0.00108	1	08/26/2017 17:49	WG1013822
tert-Butylbenzene	U		0.000222	0.00108	1	08/26/2017 17:49	WG1013822
Carbon disulfide	0.00175	J0	0.000238	0.00108	1	08/26/2017 17:49	WG1013822
Carbon tetrachloride	U		0.000353	0.00108	1	08/26/2017 17:49	WG1013822
Chlorobenzene	U		0.000228	0.00108	1	08/26/2017 17:49	WG1013822
Chlorodibromomethane	U		0.000402	0.00108	1	08/26/2017 17:49	WG1013822
Chloroethane	U		0.00102	0.00538	1	08/26/2017 17:49	WG1013822
Chloroform	U		0.000247	0.00538	1	08/26/2017 17:49	WG1013822
Chloromethane	U		0.000404	0.00269	1	08/26/2017 17:49	WG1013822
2-Chlorotoluene	U		0.000324	0.00108	1	08/26/2017 17:49	WG1013822
4-Chlorotoluene	U	J4	0.000258	0.00108	1	08/26/2017 17:49	WG1013822
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	08/26/2017 17:49	WG1013822
1,2-Dibromoethane	U		0.000369	0.00108	1	08/26/2017 17:49	WG1013822
Dibromomethane	U		0.000411	0.00108	1	08/26/2017 17:49	WG1013822
1,2-Dichlorobenzene	U		0.000328	0.00108	1	08/26/2017 17:49	WG1013822
1,3-Dichlorobenzene	U		0.000257	0.00108	1	08/26/2017 17:49	WG1013822
1,4-Dichlorobenzene	U		0.000243	0.00108	1	08/26/2017 17:49	WG1013822
Dichlorodifluoromethane	U		0.000768	0.00538	1	08/26/2017 17:49	WG1013822
1,1-Dichloroethane	U		0.000214	0.00108	1	08/26/2017 17:49	WG1013822
1,2-Dichloroethane	U	J4	0.000285	0.00108	1	08/26/2017 17:49	WG1013822
1,1-Dichloroethene	0.00121		0.000326	0.00108	1	08/26/2017 17:49	WG1013822
cis-1,2-Dichloroethene	0.0871		0.000253	0.00108	1	08/26/2017 17:49	WG1013822
trans-1,2-Dichloroethene	0.000785	J	0.000284	0.00108	1	08/26/2017 17:49	WG1013822
1,2-Dichloropropane	U		0.000386	0.00108	1	08/26/2017 17:49	WG1013822
1,1-Dichloropropene	U		0.000341	0.00108	1	08/26/2017 17:49	WG1013822
1,3-Dichloropropane	U		0.000223	0.00108	1	08/26/2017 17:49	WG1013822
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	08/26/2017 17:49	WG1013822
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	08/26/2017 17:49	WG1013822
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	08/26/2017 17:49	WG1013822
2,2-Dichloropropane	U		0.000300	0.00108	1	08/26/2017 17:49	WG1013822
Di-isopropyl ether	U		0.000267	0.00108	1	08/26/2017 17:49	WG1013822
Ethylbenzene	U		0.000320	0.00108	1	08/26/2017 17:49	WG1013822
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	08/26/2017 17:49	WG1013822
2-Hexanone	U		0.00148	0.0108	1	08/26/2017 17:49	WG1013822
n-Hexane	0.000678	J	0.000312	0.0108	1	08/26/2017 17:49	WG1013822

Volatile Organic Compounds (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		0.00272	0.0108	1	08/26/2017 17:49	WG1013822
Isopropylbenzene	U		0.000262	0.00108	1	08/26/2017 17:49	WG1013822
p-Isopropyltoluene	U		0.000220	0.00108	1	08/26/2017 17:49	WG1013822
2-Butanone (MEK)	U		0.00504	0.0108	1	08/26/2017 17:49	WG1013822
Methylene Chloride	U		0.00108	0.00538	1	08/26/2017 17:49	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	08/26/2017 17:49	WG1013822
Methyl tert-butyl ether	U		0.000228	0.00108	1	08/26/2017 17:49	WG1013822
Naphthalene	U		0.00108	0.00538	1	08/26/2017 17:49	WG1013822
n-Propylbenzene	U		0.000222	0.00108	1	08/26/2017 17:49	WG1013822
Styrene	U		0.000252	0.00108	1	08/26/2017 17:49	WG1013822
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	08/26/2017 17:49	WG1013822
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	08/26/2017 17:49	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	08/26/2017 17:49	WG1013822
Tetrachloroethene	3.92		0.00810	0.0293	27.25	08/28/2017 19:30	WG1013822
Toluene	U		0.000467	0.00538	1	08/26/2017 17:49	WG1013822
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	08/26/2017 17:49	WG1013822
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	08/26/2017 17:49	WG1013822
1,1,1-Trichloroethane	U		0.000308	0.00108	1	08/26/2017 17:49	WG1013822
1,1,2-Trichloroethane	U		0.000298	0.00108	1	08/26/2017 17:49	WG1013822
Trichloroethene	4.60		0.00818	0.0293	27.25	08/28/2017 19:30	WG1013822
Trichlorofluoromethane	U		0.000411	0.00538	1	08/26/2017 17:49	WG1013822
1,2,3-Trichloropropane	U		0.000798	0.00269	1	08/26/2017 17:49	WG1013822
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	08/26/2017 17:49	WG1013822
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	08/26/2017 17:49	WG1013822
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	08/26/2017 17:49	WG1013822
Vinyl acetate	U		0.00257	0.0108	1	08/26/2017 17:49	WG1013822
Vinyl chloride	0.000808	J	0.000313	0.00108	1	08/26/2017 17:49	WG1013822
Xylenes, Total	U		0.000752	0.00323	1	08/26/2017 17:49	WG1013822
(S) Toluene-d8	*91.1*			*80.0-120*		*08/28/2017 19:30*	WG1013822
(S) Toluene-d8	*92.5*			*80.0-120*		*08/26/2017 17:49*	WG1013822
(S) Dibromofluoromethane	*117*			*74.0-131*		*08/26/2017 17:49*	WG1013822
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*08/28/2017 19:30*	WG1013822
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*08/26/2017 17:49*	WG1013822
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*08/28/2017 19:30*	WG1013822

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	08/29/2017 12:56	WG1014667

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.03	3.05	25	08/30/2017 02:02	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*08/30/2017 02:02*	WG1014268

Sample Narrative:

L931655-04 WG1014268: No stir bars remain for analysis.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0182	J	0.0122	0.0610	1	08/26/2017 18:10	WG1013822
Acrylonitrile	U		0.00218	0.0122	1	08/26/2017 18:10	WG1013822
Benzene	U		0.000329	0.00122	1	08/26/2017 18:10	WG1013822
Bromobenzene	U	J4	0.000346	0.00122	1	08/26/2017 18:10	WG1013822
Bromodichloromethane	U		0.000310	0.00122	1	08/26/2017 18:10	WG1013822
Bromochloromethane	U		0.000475	0.00610	1	08/26/2017 18:10	WG1013822
Bromoform	U		0.000517	0.00122	1	08/26/2017 18:10	WG1013822
Bromomethane	U		0.00163	0.00610	1	08/26/2017 18:10	WG1013822
n-Butylbenzene	U		0.000315	0.00122	1	08/26/2017 18:10	WG1013822
sec-Butylbenzene	U		0.000245	0.00122	1	08/26/2017 18:10	WG1013822
tert-Butylbenzene	U		0.000251	0.00122	1	08/26/2017 18:10	WG1013822
Carbon disulfide	0.000464	J	0.000269	0.00122	1	08/26/2017 18:10	WG1013822
Carbon tetrachloride	U		0.000400	0.00122	1	08/26/2017 18:10	WG1013822
Chlorobenzene	U		0.000258	0.00122	1	08/26/2017 18:10	WG1013822
Chlorodibromomethane	U		0.000455	0.00122	1	08/26/2017 18:10	WG1013822
Chloroethane	U		0.00115	0.00610	1	08/26/2017 18:10	WG1013822
Chloroform	U		0.000279	0.00610	1	08/26/2017 18:10	WG1013822
Chloromethane	U		0.000457	0.00305	1	08/26/2017 18:10	WG1013822
2-Chlorotoluene	U		0.000367	0.00122	1	08/26/2017 18:10	WG1013822
4-Chlorotoluene	U	J4	0.000293	0.00122	1	08/26/2017 18:10	WG1013822
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00610	1	08/26/2017 18:10	WG1013822
1,2-Dibromoethane	U		0.000418	0.00122	1	08/26/2017 18:10	WG1013822
Dibromomethane	U		0.000466	0.00122	1	08/26/2017 18:10	WG1013822
1,2-Dichlorobenzene	U		0.000372	0.00122	1	08/26/2017 18:10	WG1013822
1,3-Dichlorobenzene	U		0.000291	0.00122	1	08/26/2017 18:10	WG1013822
1,4-Dichlorobenzene	U		0.000276	0.00122	1	08/26/2017 18:10	WG1013822
Dichlorodifluoromethane	U		0.000869	0.00610	1	08/26/2017 18:10	WG1013822
1,1-Dichloroethane	U		0.000243	0.00122	1	08/26/2017 18:10	WG1013822
1,2-Dichloroethane	U	J4	0.000323	0.00122	1	08/26/2017 18:10	WG1013822
1,1-Dichloroethene	U		0.000369	0.00122	1	08/26/2017 18:10	WG1013822
cis-1,2-Dichloroethene	0.000586	J	0.000286	0.00122	1	08/26/2017 18:10	WG1013822
trans-1,2-Dichloroethene	U		0.000322	0.00122	1	08/26/2017 18:10	WG1013822
1,2-Dichloropropane	U		0.000436	0.00122	1	08/26/2017 18:10	WG1013822
1,1-Dichloropropene	U		0.000386	0.00122	1	08/26/2017 18:10	WG1013822
1,3-Dichloropropane	U		0.000252	0.00122	1	08/26/2017 18:10	WG1013822
cis-1,3-Dichloropropene	U		0.000319	0.00122	1	08/26/2017 18:10	WG1013822
trans-1,3-Dichloropropene	U		0.000325	0.00122	1	08/26/2017 18:10	WG1013822
trans-1,4-Dichloro-2-butene	U		0.000948	0.00305	1	08/26/2017 18:10	WG1013822
2,2-Dichloropropane	U		0.000340	0.00122	1	08/26/2017 18:10	WG1013822
Di-isopropyl ether	U		0.000302	0.00122	1	08/26/2017 18:10	WG1013822
Ethylbenzene	U		0.000362	0.00122	1	08/26/2017 18:10	WG1013822

Volatile Organic Compounds (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		0.000417	0.00122	1	08/26/2017 18:10	WG1013822
2-Hexanone	U		0.00167	0.0122	1	08/26/2017 18:10	WG1013822
n-Hexane	0.000499	J	0.000354	0.0122	1	08/26/2017 18:10	WG1013822
Iodomethane	U		0.00308	0.0122	1	08/26/2017 18:10	WG1013822
Isopropylbenzene	U		0.000296	0.00122	1	08/26/2017 18:10	WG1013822
p-Isopropyltoluene	U		0.000249	0.00122	1	08/26/2017 18:10	WG1013822
2-Butanone (MEK)	U		0.00571	0.0122	1	08/26/2017 18:10	WG1013822
Methylene Chloride	U		0.00122	0.00610	1	08/26/2017 18:10	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	08/26/2017 18:10	WG1013822
Methyl tert-butyl ether	U		0.000258	0.00122	1	08/26/2017 18:10	WG1013822
Naphthalene	U		0.00122	0.00610	1	08/26/2017 18:10	WG1013822
n-Propylbenzene	U		0.000251	0.00122	1	08/26/2017 18:10	WG1013822
Styrene	U		0.000285	0.00122	1	08/26/2017 18:10	WG1013822
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	08/26/2017 18:10	WG1013822
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	08/26/2017 18:10	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	08/26/2017 18:10	WG1013822
Tetrachloroethene	0.00905	J	0.00841	0.0305	25	08/28/2017 20:21	WG1013822
Toluene	U		0.000529	0.00610	1	08/26/2017 18:10	WG1013822
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	08/26/2017 18:10	WG1013822
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	08/26/2017 18:10	WG1013822
1,1,1-Trichloroethane	U		0.000349	0.00122	1	08/26/2017 18:10	WG1013822
1,1,2-Trichloroethane	U		0.000338	0.00122	1	08/26/2017 18:10	WG1013822
Trichloroethene	U		0.00851	0.0305	25	08/28/2017 20:21	WG1013822
Trichlorofluoromethane	U		0.000466	0.00610	1	08/26/2017 18:10	WG1013822
1,2,3-Trichloropropane	U		0.000903	0.00305	1	08/26/2017 18:10	WG1013822
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	08/26/2017 18:10	WG1013822
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	08/26/2017 18:10	WG1013822
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	08/26/2017 18:10	WG1013822
Vinyl acetate	U		0.00291	0.0122	1	08/26/2017 18:10	WG1013822
Vinyl chloride	U		0.000355	0.00122	1	08/26/2017 18:10	WG1013822
Xylenes, Total	U		0.000851	0.00366	1	08/26/2017 18:10	WG1013822
(S) Toluene-d8	*91.0*			*80.0-120*		*08/26/2017 18:10*	WG1013822
(S) Toluene-d8	*102*			*80.0-120*		*08/28/2017 20:21*	WG1013822
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*08/28/2017 20:21*	WG1013822
(S) Dibromofluoromethane	*118*			*74.0-131*		*08/26/2017 18:10*	WG1013822
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*08/28/2017 20:21*	WG1013822
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*08/26/2017 18:10*	WG1013822

Sample Narrative:

L931655-04 WG1013822: No stir bars remain for analysis.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	08/29/2017 12:56	WG1014667

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		0.925	2.73	25	08/30/2017 02:24	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*08/30/2017 02:24*	WG1014268

Sample Narrative:

L931655-05 WG1014268: No stir bars remain for analysis.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0262	J	0.0109	0.0545	1	08/26/2017 18:31	WG1013822
Acrylonitrile	U		0.00195	0.0109	1	08/26/2017 18:31	WG1013822
Benzene	0.000302	J	0.000295	0.00109	1	08/26/2017 18:31	WG1013822
Bromobenzene	U	J4	0.000310	0.00109	1	08/26/2017 18:31	WG1013822
Bromodichloromethane	U		0.000277	0.00109	1	08/26/2017 18:31	WG1013822
Bromochloromethane	U		0.000425	0.00545	1	08/26/2017 18:31	WG1013822
Bromoform	U		0.000463	0.00109	1	08/26/2017 18:31	WG1013822
Bromomethane	U		0.00146	0.00545	1	08/26/2017 18:31	WG1013822
n-Butylbenzene	U		0.000281	0.00109	1	08/26/2017 18:31	WG1013822
sec-Butylbenzene	U		0.000219	0.00109	1	08/26/2017 18:31	WG1013822
tert-Butylbenzene	U		0.000225	0.00109	1	08/26/2017 18:31	WG1013822
Carbon disulfide	0.00271		0.000241	0.00109	1	08/26/2017 18:31	WG1013822
Carbon tetrachloride	U		0.000358	0.00109	1	08/26/2017 18:31	WG1013822
Chlorobenzene	U		0.000231	0.00109	1	08/26/2017 18:31	WG1013822
Chlorodibromomethane	U		0.000407	0.00109	1	08/26/2017 18:31	WG1013822
Chloroethane	U		0.00103	0.00545	1	08/26/2017 18:31	WG1013822
Chloroform	U		0.000250	0.00545	1	08/26/2017 18:31	WG1013822
Chloromethane	U		0.000409	0.00273	1	08/26/2017 18:31	WG1013822
2-Chlorotoluene	U		0.000328	0.00109	1	08/26/2017 18:31	WG1013822
4-Chlorotoluene	U	J4	0.000262	0.00109	1	08/26/2017 18:31	WG1013822
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	08/26/2017 18:31	WG1013822
1,2-Dibromoethane	U		0.000374	0.00109	1	08/26/2017 18:31	WG1013822
Dibromomethane	U		0.000417	0.00109	1	08/26/2017 18:31	WG1013822
1,2-Dichlorobenzene	U		0.000333	0.00109	1	08/26/2017 18:31	WG1013822
1,3-Dichlorobenzene	U		0.000261	0.00109	1	08/26/2017 18:31	WG1013822
1,4-Dichlorobenzene	U		0.000247	0.00109	1	08/26/2017 18:31	WG1013822
Dichlorodifluoromethane	U		0.000778	0.00545	1	08/26/2017 18:31	WG1013822
1,1-Dichloroethane	U		0.000217	0.00109	1	08/26/2017 18:31	WG1013822
1,2-Dichloroethane	U	J4	0.000289	0.00109	1	08/26/2017 18:31	WG1013822
1,1-Dichloroethene	U		0.000331	0.00109	1	08/26/2017 18:31	WG1013822
cis-1,2-Dichloroethene	0.000283	J	0.000256	0.00109	1	08/26/2017 18:31	WG1013822
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	08/26/2017 18:31	WG1013822
1,2-Dichloropropane	U		0.000391	0.00109	1	08/26/2017 18:31	WG1013822
1,1-Dichloropropene	U		0.000346	0.00109	1	08/26/2017 18:31	WG1013822
1,3-Dichloropropane	U		0.000226	0.00109	1	08/26/2017 18:31	WG1013822
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	08/26/2017 18:31	WG1013822
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	08/26/2017 18:31	WG1013822
trans-1,4-Dichloro-2-butene	U		0.000849	0.00273	1	08/26/2017 18:31	WG1013822
2,2-Dichloropropane	U		0.000304	0.00109	1	08/26/2017 18:31	WG1013822
Di-isopropyl ether	U		0.000271	0.00109	1	08/26/2017 18:31	WG1013822
Ethylbenzene	U		0.000324	0.00109	1	08/26/2017 18:31	WG1013822

Volatile Organic Compounds (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		0.000373	0.00109	1	08/26/2017 18:31	WG1013822
2-Hexanone	U		0.00149	0.0109	1	08/26/2017 18:31	WG1013822
n-Hexane	U		0.000316	0.0109	1	08/26/2017 18:31	WG1013822
Iodomethane	U		0.00276	0.0109	1	08/26/2017 18:31	WG1013822
Isopropylbenzene	U		0.000265	0.00109	1	08/26/2017 18:31	WG1013822
p-Isopropyltoluene	U		0.000223	0.00109	1	08/26/2017 18:31	WG1013822
2-Butanone (MEK)	U		0.00510	0.0109	1	08/26/2017 18:31	WG1013822
Methylene Chloride	U		0.00109	0.00545	1	08/26/2017 18:31	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	08/26/2017 18:31	WG1013822
Methyl tert-butyl ether	U		0.000231	0.00109	1	08/26/2017 18:31	WG1013822
Naphthalene	U		0.00109	0.00545	1	08/26/2017 18:31	WG1013822
n-Propylbenzene	U		0.000225	0.00109	1	08/26/2017 18:31	WG1013822
Styrene	U		0.000255	0.00109	1	08/26/2017 18:31	WG1013822
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	08/26/2017 18:31	WG1013822
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	08/26/2017 18:31	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	08/26/2017 18:31	WG1013822
Tetrachloroethene	U		0.00753	0.0273	25	08/28/2017 20:47	WG1013822
Toluene	U		0.000473	0.00545	1	08/26/2017 18:31	WG1013822
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	08/26/2017 18:31	WG1013822
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	08/26/2017 18:31	WG1013822
1,1,1-Trichloroethane	U		0.000312	0.00109	1	08/26/2017 18:31	WG1013822
1,1,2-Trichloroethane	U		0.000302	0.00109	1	08/26/2017 18:31	WG1013822
Trichloroethene	U		0.000304	0.00109	1	08/26/2017 18:31	WG1013822
Trichlorofluoromethane	U		0.000417	0.00545	1	08/26/2017 18:31	WG1013822
1,2,3-Trichloropropane	U		0.000808	0.00273	1	08/26/2017 18:31	WG1013822
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	08/26/2017 18:31	WG1013822
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	08/26/2017 18:31	WG1013822
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	08/26/2017 18:31	WG1013822
Vinyl acetate	U		0.00261	0.0109	1	08/26/2017 18:31	WG1013822
Vinyl chloride	U		0.000317	0.00109	1	08/26/2017 18:31	WG1013822
Xylenes, Total	U		0.000761	0.00327	1	08/26/2017 18:31	WG1013822
(S) Toluene-d8	*106*			*80.0-120*		*08/28/2017 20:47*	WG1013822
(S) Toluene-d8	*90.2*			*80.0-120*		*08/26/2017 18:31*	WG1013822
(S) Dibromofluoromethane	*119*			*74.0-131*		*08/26/2017 18:31*	WG1013822
(S) Dibromofluoromethane	*97.0*			*74.0-131*		*08/28/2017 20:47*	WG1013822
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*08/26/2017 18:31*	WG1013822
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*08/28/2017 20:47*	WG1013822

Sample Narrative:

L931655-05 WG1013822: No stir bars remain for analysis.

Method Blank (MB)

(MB) R3245479-1 08/29/17 12:31

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

L931655-01 Original Sample (OS) • Duplicate (DUP)

(OS) L931655-01 08/29/17 12:31 • (DUP) R3245479-3 08/29/17 12:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.4	92.8	1	0.436		5

Laboratory Control Sample (LCS)

(LCS) R3245479-2 08/29/17 12:31

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

Method Blank (MB)

(MB) R3245536-1 08/29/17 12:56

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

L931655-02 Original Sample (OS) • Duplicate (DUP)

(OS) L931655-02 08/29/17 12:56 • (DUP) R3245536-3 08/29/17 12:56

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.0	88.5	1	1.76		5

Laboratory Control Sample (LCS)

(LCS) R3245536-2 08/29/17 12:56

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

Method Blank (MB)

(MB) R3245357-3 08/28/17 11:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

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

(LCS) R3245357-1 08/28/17 09:58 • (LCSD) R3245357-2 08/28/17 10:20

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 %
Gasoline Range Organics-NWTPH	5.50	5.31	5.34	96.6	97.2	70.0-133			0.600	20
(S) a,a,a-Trifluorotoluene(FID)				*103*	*103*	*77.0-120*				

Method Blank (MB)

(MB) R3244836-2 08/26/17 12:38

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) R3244836-2 08/26/17 12:38

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	*101*			*80.0-120*
(S) Dibromofluoromethane	*106*			*74.0-131*
(S) 4-Bromofluorobenzene	*102*			*64.0-132*

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

(LCS) R3244836-1 08/26/17 11:12 • (LCSD) R3244836-3 08/26/17 13:19

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	0.183	0.159	146	128	11.0-160			13.5	23
Acrylonitrile	0.125	0.177	0.155	142	124	61.0-143			12.9	20
Benzene	0.0250	0.0297	0.0298	119	119	71.0-124			0.370	20
Bromobenzene	0.0250	0.0290	0.0302	116	121	78.0-120		J4	4.24	20
Bromodichloromethane	0.0250	0.0282	0.0277	113	111	75.0-120			1.76	20
Bromochloromethane	0.0250	0.0287	0.0274	115	109	80.0-121			4.83	20
Bromoform	0.0250	0.0302	0.0296	121	118	65.0-133			2.21	20
Bromomethane	0.0250	0.0252	0.0266	101	107	26.0-160			5.50	20
n-Butylbenzene	0.0250	0.0237	0.0234	95.0	93.4	73.0-126			1.61	20
sec-Butylbenzene	0.0250	0.0240	0.0246	96.1	98.6	75.0-121			2.59	20
tert-Butylbenzene	0.0250	0.0247	0.0252	98.9	101	74.0-122			1.99	20
Carbon disulfide	0.0250	0.0315	0.0316	126	126	53.0-130			0.210	20
Carbon tetrachloride	0.0250	0.0278	0.0285	111	114	66.0-123			2.30	20
Chlorobenzene	0.0250	0.0238	0.0245	95.2	97.9	79.0-121			2.71	20
Chlorodibromomethane	0.0250	0.0254	0.0247	101	98.8	74.0-128			2.71	20
Chloroethane	0.0250	0.0284	0.0288	113	115	51.0-147			1.50	20
Chloroform	0.0250	0.0292	0.0296	117	118	73.0-123			1.51	20
Chloromethane	0.0250	0.0318	0.0332	127	133	51.0-138			4.19	20
2-Chlorotoluene	0.0250	0.0279	0.0295	112	118	72.0-124			5.74	20
4-Chlorotoluene	0.0250	0.0283	0.0302	113	121	78.0-120		J4	6.50	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0293	0.0252	117	101	65.0-126			15.1	20
1,2-Dibromoethane	0.0250	0.0254	0.0240	102	95.9	78.0-122			5.86	20
Dibromomethane	0.0250	0.0285	0.0275	114	110	79.0-120			3.50	20
1,2-Dichlorobenzene	0.0250	0.0265	0.0262	106	105	80.0-120			1.34	20
1,3-Dichlorobenzene	0.0250	0.0252	0.0255	101	102	72.0-123			1.12	20
1,4-Dichlorobenzene	0.0250	0.0255	0.0259	102	103	77.0-120			1.40	20
trans-1,4-Dichloro-2-butene	0.0250	0.0268	0.0277	107	111	68.0-126			3.60	20
Dichlorodifluoromethane	0.0250	0.0309	0.0314	124	126	49.0-155			1.63	20
1,1-Dichloroethane	0.0250	0.0312	0.0317	125	127	70.0-128			1.77	20
1,2-Dichloroethane	0.0250	0.0325	0.0316	130	127	69.0-128	J4		2.67	20
1,1-Dichloroethene	0.0250	0.0273	0.0274	109	110	63.0-131			0.520	20
cis-1,2-Dichloroethene	0.0250	0.0291	0.0298	117	119	74.0-123			2.31	20
trans-1,2-Dichloroethene	0.0250	0.0285	0.0287	114	115	72.0-122			0.870	20
1,2-Dichloropropane	0.0250	0.0295	0.0302	118	121	75.0-126			2.47	20
1,1-Dichloropropene	0.0250	0.0317	0.0316	127	126	72.0-130			0.440	20
1,3-Dichloropropane	0.0250	0.0260	0.0253	104	101	80.0-121			2.85	20
cis-1,3-Dichloropropene	0.0250	0.0276	0.0272	110	109	80.0-125			1.48	20
trans-1,3-Dichloropropene	0.0250	0.0265	0.0259	106	104	75.0-129			2.16	20
2,2-Dichloropropane	0.0250	0.0279	0.0292	112	117	60.0-129			4.38	20
Di-isopropyl ether	0.0250	0.0327	0.0323	131	129	62.0-133			1.50	20

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

(LCS) R3244836-1 08/26/17 11:12 • (LCSD) R3244836-3 08/26/17 13:19

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	0.0236	0.0238	94.2	95.0	77.0-120			0.850	20
Hexachloro-1,3-butadiene	0.0250	0.0172	0.0183	68.8	73.1	68.0-128			6.05	20
2-Hexanone	0.125	0.145	0.123	116	98.1	61.0-143			16.4	20
n-Hexane	0.0250	0.0295	0.0296	118	119	57.0-125			0.570	20
Iodomethane	0.125	0.145	0.145	116	116	67.0-132			0.570	20
Isopropylbenzene	0.0250	0.0264	0.0277	106	111	75.0-120			4.84	20
p-Isopropyltoluene	0.0250	0.0240	0.0240	96.1	96.1	74.0-125			0.000	20
2-Butanone (MEK)	0.125	0.152	0.127	122	101	37.0-159			18.0	20
Methylene Chloride	0.0250	0.0244	0.0242	97.4	96.7	67.0-123			0.750	20
4-Methyl-2-pentanone (MIBK)	0.125	0.148	0.126	118	101	60.0-144			16.1	20
Methyl tert-butyl ether	0.0250	0.0307	0.0286	123	114	66.0-125			7.04	20
Naphthalene	0.0250	0.0222	0.0202	89.0	80.8	64.0-125			9.58	20
n-Propylbenzene	0.0250	0.0282	0.0293	113	117	78.0-120			3.63	20
Styrene	0.0250	0.0262	0.0278	105	111	78.0-124			6.02	20
1,1,1,2-Tetrachloroethane	0.0250	0.0232	0.0230	93.0	92.0	74.0-124			1.11	20
1,1,2,2-Tetrachloroethane	0.0250	0.0296	0.0288	118	115	73.0-120			2.91	20
Tetrachloroethene	0.0250	0.0222	0.0222	88.7	88.8	70.0-127			0.0500	20
Toluene	0.0250	0.0229	0.0234	91.6	93.8	77.0-120			2.34	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0288	0.0295	115	118	64.0-135			2.63	20
1,2,3-Trichlorobenzene	0.0250	0.0188	0.0183	75.4	73.1	68.0-126			3.09	20
1,2,4-Trichlorobenzene	0.0250	0.0194	0.0199	77.7	79.6	70.0-127			2.47	20
1,1,1-Trichloroethane	0.0250	0.0292	0.0296	117	118	69.0-125			1.33	20
1,1,2-Trichloroethane	0.0250	0.0239	0.0227	95.5	90.9	78.0-120			4.88	20
Trichloroethene	0.0250	0.0263	0.0264	105	105	79.0-120			0.0800	20
Trichlorofluoromethane	0.0250	0.0279	0.0282	112	113	59.0-136			1.24	20
1,2,3-Trichloropropane	0.0250	0.0283	0.0262	113	105	73.0-124			7.41	20
1,2,3-Trimethylbenzene	0.0250	0.0248	0.0249	99.1	99.4	76.0-120			0.400	20
1,2,4-Trimethylbenzene	0.0250	0.0261	0.0266	104	106	75.0-120			2.15	20
1,3,5-Trimethylbenzene	0.0250	0.0255	0.0261	102	105	75.0-120			2.53	20
Vinyl acetate	0.125	0.181	0.173	145	139	58.0-156			4.19	20
Vinyl chloride	0.0250	0.0310	0.0313	124	125	63.0-134			0.940	20
Xylenes, Total	0.0750	0.0702	0.0712	93.6	94.9	77.0-120			1.41	20
(S) Toluene-d8				*96.0*	*97.4*	*80.0-120*				
(S) Dibromofluoromethane				*115*	*112*	*74.0-131*				
(S) 4-Bromofluorobenzene				*104*	*108*	*64.0-132*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL (dry)	Reported Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
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.
(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.
Rec.	Recovery.

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.

State Accreditations

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

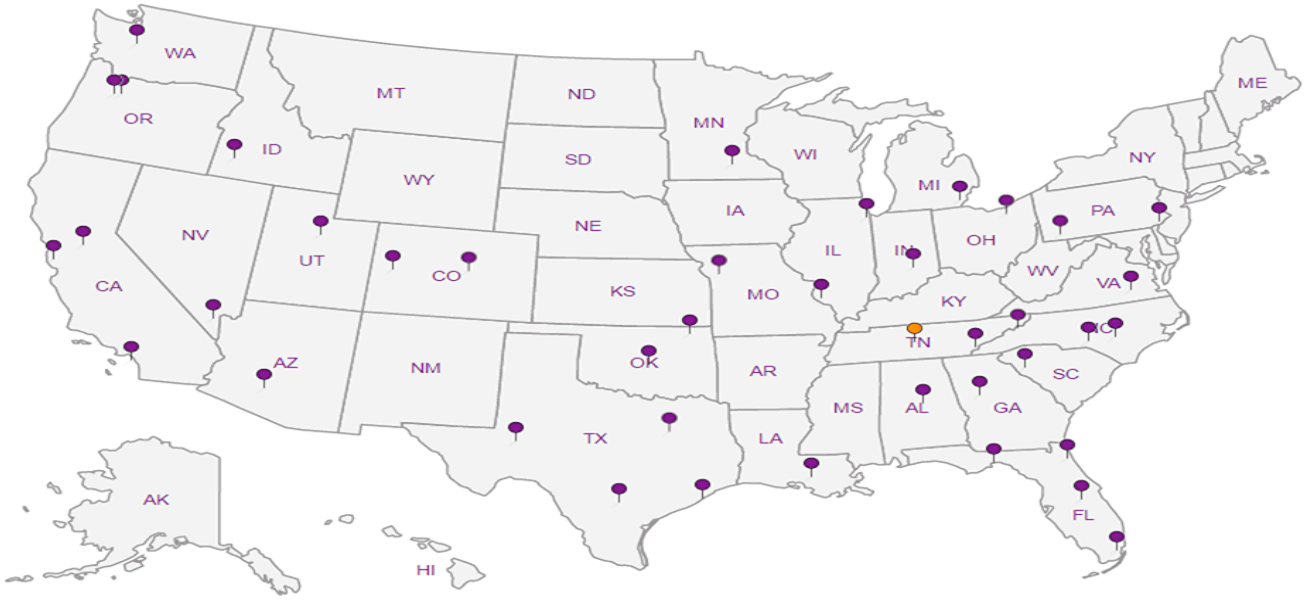
Third Party & Federal Accreditations

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

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
~~MW-132-50~~		GW			1710	3					X		(SM)
MW-		GW				3					X		
MW-		GW				3					X		
MW-		GW				3					X		
MW-		GW				3					X		
MW-132-50	GRAB	SS	50	8/22/17	1710	5	X		X	X			-01
MW-132-55	↓	SS	55	8/23/17	0810	5	X		X	X			-02
MW-132-60	↓	SS	60	↓	0905	5	X		X	X			-03
MW-132-70	↓	SS	70	↓	1035	5	X		X	X			-04
MW-132-83	↓	SS	83	↓	1205	5	X		X	X			-05

* 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 # 747409210697

Chain of Custody Page ___ of ___

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# 931655

G003

Acctnum: PESENVSWA
Template: T126586
Prelogin: P613274
TSR: 110 - Brian Ford
PB: 8/10/17 MW

Shipped Via: FedEx Ground

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
	8/23/17	1340		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.3 °C Bottles Received: 25
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/24/17 Time: 0845
				Hold: Condition: NCF / (OK)

MEMORANDUM

TO: Project File **DATE:** September 19, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: August 22-23, 2017 – Soil Samples

LAB: ESC Lab ID L931655

Five (5) soil samples were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on August 22-23, 2017. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L931655. The quarterly monitoring round occurred August and September of 2017. Associated sample data are reported in X# ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L934130, L934673, L934916, and). The quality assurance review of the sample data associated with SDG L931655 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on August 22-23, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 4.3 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils from the date of sample 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 soils from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of 7 days for total solids. 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:

- *USEPA Method 8260C for soils:* Continuing calibration verification (CCV) issues were noted by ESC for carbon disulfide associated with analytical batch WG1013822 (analyzed on August 26, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (J).**

Method Blank Results

USEPA Method 8260C:
A laboratory method blank was included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blank at or above the reported detection limits (RDLs).

NWTPH-Gx Method:
A laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blank at or above the RDL.

Total Solids by SM 2540 G 2011:

Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (% solids) were not detected in the method blanks.

Trip Blank Results

USEPA Method 8260C and NWTPH-Gx:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate were not collected.

Laboratory Duplicate Analyses

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

NWTPH-Gx Method:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples MW-132-50 and MW-132-55. 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, LCS/LCSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSDs, 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 (VOCs) are within the laboratory control criteria for soils with the following exceptions:

- LCS (Batch WG1013822) percent recovery for compound 1,2-dichloroethane is slightly above laboratory criteria and qualified by the laboratory (J4). No action was taken as this compound is not detected in the associated samples.

- LCSD (Batch WG1013822) percent recovery for compounds bromobenzene and 4-chlorotoluene are slightly above laboratory criteria and qualified by the laboratory (J4). No action was taken as this compound is not detected in the associated samples.

NWTPH-Gx Method:
LCS/LCSD was analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for soils.

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:
MS/MSD analyses were not performed. Refer to LCS/LCSD results for accuracy and precision data.

NWTPH-Gx Method:
MS/MSD analyses were not performed. Refer to LCS/LCSD results for accuracy and precision data.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- ESC notes indicate that no stir bars remain for VOC and gasoline analysis on samples MW-132-70 and MW-132-83 (Analytical Batch WG1013822). ESC was unable to analyze samples submitted for gasoline and VOCs at a lower dilution factor due to an insufficient number of vials preserved with sodium bisulfite. No action was taken other than to note this. ESC is taking steps to minimize this occurrence by providing additional sodium bisulfite vials per sample.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	08/29/2017 12:31	WG1014628

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	1.97		0.0367	0.108	1	08/28/2017 16:46	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*98.0*			*77.0-120*		*08/28/2017 16:46*	WG1014268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0231 J	J	0.0108	0.0541	1	08/26/2017 17:07	WG1013822
Acrylonitrile	U		0.00194	0.0108	1	08/26/2017 17:07	WG1013822
Benzene	U		0.000292	0.00108	1	08/26/2017 17:07	WG1013822
Bromobenzene	U	J4	0.000307	0.00108	1	08/26/2017 17:07	WG1013822
Bromodichloromethane	U		0.000275	0.00108	1	08/26/2017 17:07	WG1013822
Bromochloromethane	U		0.000422	0.00541	1	08/26/2017 17:07	WG1013822
Bromoform	U		0.000459	0.00108	1	08/26/2017 17:07	WG1013822
Bromomethane	U		0.00145	0.00541	1	08/26/2017 17:07	WG1013822
n-Butylbenzene	U		0.000279	0.00108	1	08/26/2017 17:07	WG1013822
sec-Butylbenzene	U		0.000217	0.00108	1	08/26/2017 17:07	WG1013822
tert-Butylbenzene	U		0.000223	0.00108	1	08/26/2017 17:07	WG1013822
Carbon disulfide	0.00341 J	J0	0.000239	0.00108	1	08/26/2017 17:07	WG1013822
Carbon tetrachloride	U		0.000355	0.00108	1	08/26/2017 17:07	WG1013822
Chlorobenzene	U		0.000229	0.00108	1	08/26/2017 17:07	WG1013822
Chlorodibromomethane	U		0.000404	0.00108	1	08/26/2017 17:07	WG1013822
Chloroethane	U		0.00102	0.00541	1	08/26/2017 17:07	WG1013822
Chloroform	U		0.000248	0.00541	1	08/26/2017 17:07	WG1013822
Chloromethane	U		0.000406	0.00270	1	08/26/2017 17:07	WG1013822
2-Chlorotoluene	U		0.000326	0.00108	1	08/26/2017 17:07	WG1013822
4-Chlorotoluene	U	J4	0.000260	0.00108	1	08/26/2017 17:07	WG1013822
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	08/26/2017 17:07	WG1013822
1,2-Dibromoethane	U		0.000371	0.00108	1	08/26/2017 17:07	WG1013822
Dibromomethane	U		0.000413	0.00108	1	08/26/2017 17:07	WG1013822
1,2-Dichlorobenzene	U		0.000330	0.00108	1	08/26/2017 17:07	WG1013822
1,3-Dichlorobenzene	U		0.000259	0.00108	1	08/26/2017 17:07	WG1013822
1,4-Dichlorobenzene	U		0.000244	0.00108	1	08/26/2017 17:07	WG1013822
Dichlorodifluoromethane	U		0.000771	0.00541	1	08/26/2017 17:07	WG1013822
1,1-Dichloroethane	U		0.000215	0.00108	1	08/26/2017 17:07	WG1013822
1,2-Dichloroethane	U	J4	0.000287	0.00108	1	08/26/2017 17:07	WG1013822
1,1-Dichloroethene	0.00220		0.000328	0.00108	1	08/26/2017 17:07	WG1013822
cis-1,2-Dichloroethene	4.62		0.00636	0.0270	25	08/28/2017 18:38	WG1013822
trans-1,2-Dichloroethene	0.0405		0.000286	0.00108	1	08/26/2017 17:07	WG1013822
1,2-Dichloropropane	U		0.000387	0.00108	1	08/26/2017 17:07	WG1013822
1,1-Dichloropropene	U		0.000343	0.00108	1	08/26/2017 17:07	WG1013822
1,3-Dichloropropane	U		0.000224	0.00108	1	08/26/2017 17:07	WG1013822
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	08/26/2017 17:07	WG1013822
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	08/26/2017 17:07	WG1013822
trans-1,4-Dichloro-2-butene	U		0.000842	0.00270	1	08/26/2017 17:07	WG1013822
2,2-Dichloropropane	U		0.000302	0.00108	1	08/26/2017 17:07	WG1013822
Di-isopropyl ether	U		0.000268	0.00108	1	08/26/2017 17:07	WG1013822
Ethylbenzene	U		0.000321	0.00108	1	08/26/2017 17:07	WG1013822
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	08/26/2017 17:07	WG1013822
2-Hexanone	U		0.00148	0.0108	1	08/26/2017 17:07	WG1013822
n-Hexane	0.00271 J	J	0.000314	0.0108	1	08/26/2017 17:07	WG1013822

JC 9/19/17

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		0.00274	0.0108	1	08/26/2017 17:07	WG1013822
Isopropylbenzene	U		0.000263	0.00108	1	08/26/2017 17:07	WG1013822
p-Isopropyltoluene	U		0.000221	0.00108	1	08/26/2017 17:07	WG1013822
2-Butanone (MEK)	U		0.00506	0.0108	1	08/26/2017 17:07	WG1013822
Methylene Chloride	U		0.00108	0.00541	1	08/26/2017 17:07	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	08/26/2017 17:07	WG1013822
Methyl tert-butyl ether	U		0.000229	0.00108	1	08/26/2017 17:07	WG1013822
Naphthalene	U		0.00108	0.00541	1	08/26/2017 17:07	WG1013822
n-Propylbenzene	U		0.000223	0.00108	1	08/26/2017 17:07	WG1013822
Styrene	U		0.000253	0.00108	1	08/26/2017 17:07	WG1013822
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	08/26/2017 17:07	WG1013822
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	08/26/2017 17:07	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	08/26/2017 17:07	WG1013822
Tetrachloroethene	0.109		0.000299	0.00108	1	08/26/2017 17:07	WG1013822
Toluene	U		0.000470	0.00541	1	08/26/2017 17:07	WG1013822
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	08/26/2017 17:07	WG1013822
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	08/26/2017 17:07	WG1013822
1,1,1-Trichloroethane	U		0.000309	0.00108	1	08/26/2017 17:07	WG1013822
1,1,2-Trichloroethane	U		0.000300	0.00108	1	08/26/2017 17:07	WG1013822
Trichloroethene	0.153		0.000302	0.00108	1	08/26/2017 17:07	WG1013822
Trichlorofluoromethane	U		0.000413	0.00541	1	08/26/2017 17:07	WG1013822
1,2,3-Trichloropropane	U		0.000802	0.00270	1	08/26/2017 17:07	WG1013822
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	08/26/2017 17:07	WG1013822
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	08/26/2017 17:07	WG1013822
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	08/26/2017 17:07	WG1013822
Vinyl acetate	U		0.00259	0.0108	1	08/26/2017 17:07	WG1013822
Vinyl chloride	0.00219		0.000315	0.00108	1	08/26/2017 17:07	WG1013822
Xylenes, Total	U		0.000755	0.00325	1	08/26/2017 17:07	WG1013822
(S) Toluene-d8	*91.8*			*80.0-120*		*08/26/2017 17:07*	WG1013822
(S) Toluene-d8	*99.0*			*80.0-120*		*08/28/2017 18:38*	WG1013822
(S) Dibromofluoromethane	*97.5*			*74.0-131*		*08/28/2017 18:38*	WG1013822
(S) Dibromofluoromethane	*117*			*74.0-131*		*08/26/2017 17:07*	WG1013822
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*08/26/2017 17:07*	WG1013822
(S) 4-Bromofluorobenzene	*98.5*			*64.0-132*		*08/28/2017 18:38*	WG1013822

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	08/29/2017 12:56	WG1014667

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	126		0.975	2.87	25	08/30/2017 10:04	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*08/30/2017 10:04*	WG1014268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.15	5.75	100	08/26/2017 17:28	WG1013822
Acrylonitrile	U		0.206	1.15	100	08/26/2017 17:28	WG1013822
Benzene	U		0.0310	0.115	100	08/26/2017 17:28	WG1013822
Bromobenzene	U	J4	0.0327	0.115	100	08/26/2017 17:28	WG1013822
Bromodichloromethane	U		0.0292	0.115	100	08/26/2017 17:28	WG1013822
Bromochloromethane	U		0.0448	0.575	100	08/26/2017 17:28	WG1013822
Bromoform	U		0.0488	0.115	100	08/26/2017 17:28	WG1013822
Bromomethane	U		0.154	0.575	100	08/26/2017 17:28	WG1013822
n-Butylbenzene	U		0.0297	0.115	100	08/26/2017 17:28	WG1013822
sec-Butylbenzene	U		0.0231	0.115	100	08/26/2017 17:28	WG1013822
tert-Butylbenzene	U		0.0237	0.115	100	08/26/2017 17:28	WG1013822
Carbon disulfide	U		0.0254	0.115	100	08/26/2017 17:28	WG1013822
Carbon tetrachloride	U		0.0377	0.115	100	08/26/2017 17:28	WG1013822
Chlorobenzene	U		0.0244	0.115	100	08/26/2017 17:28	WG1013822
Chlorodibromomethane	U		0.0429	0.115	100	08/26/2017 17:28	WG1013822
Chloroethane	U		0.109	0.575	100	08/26/2017 17:28	WG1013822
Chloroform	U		0.0263	0.575	100	08/26/2017 17:28	WG1013822
Chloromethane	U		0.0431	0.287	100	08/26/2017 17:28	WG1013822
2-Chlorotoluene	U		0.0346	0.115	100	08/26/2017 17:28	WG1013822
4-Chlorotoluene	U	J4	0.0276	0.115	100	08/26/2017 17:28	WG1013822
1,2-Dibromo-3-Chloropropane	U		0.121	0.575	100	08/26/2017 17:28	WG1013822
1,2-Dibromoethane	U		0.0394	0.115	100	08/26/2017 17:28	WG1013822
Dibromomethane	U		0.0439	0.115	100	08/26/2017 17:28	WG1013822
1,2-Dichlorobenzene	U		0.0351	0.115	100	08/26/2017 17:28	WG1013822
1,3-Dichlorobenzene	U		0.0275	0.115	100	08/26/2017 17:28	WG1013822
1,4-Dichlorobenzene	U		0.0260	0.115	100	08/26/2017 17:28	WG1013822
Dichlorodifluoromethane	U		0.0820	0.575	100	08/26/2017 17:28	WG1013822
1,1-Dichloroethane	U		0.0229	0.115	100	08/26/2017 17:28	WG1013822
1,2-Dichloroethane	U	J4	0.0305	0.115	100	08/26/2017 17:28	WG1013822
1,1-Dichloroethene	U		0.0348	0.115	100	08/26/2017 17:28	WG1013822
cis-1,2-Dichloroethene	2.22		0.0270	0.115	100	08/26/2017 17:28	WG1013822
trans-1,2-Dichloroethene	0.0725 J	J	0.0304	0.115	100	08/26/2017 17:28	WG1013822
1,2-Dichloropropane	U		0.0412	0.115	100	08/26/2017 17:28	WG1013822
1,1-Dichloropropene	U		0.0365	0.115	100	08/26/2017 17:28	WG1013822
1,3-Dichloropropane	U		0.0238	0.115	100	08/26/2017 17:28	WG1013822
cis-1,3-Dichloropropene	U		0.0301	0.115	100	08/26/2017 17:28	WG1013822
trans-1,3-Dichloropropene	U		0.0307	0.115	100	08/26/2017 17:28	WG1013822
trans-1,4-Dichloro-2-butene	U		0.0895	0.287	100	08/26/2017 17:28	WG1013822
2,2-Dichloropropane	U		0.0321	0.115	100	08/26/2017 17:28	WG1013822
Di-isopropyl ether	U		0.0285	0.115	100	08/26/2017 17:28	WG1013822
Ethylbenzene	U		0.0342	0.115	100	08/26/2017 17:28	WG1013822
Hexachloro-1,3-butadiene	U		0.0393	0.115	100	08/26/2017 17:28	WG1013822
2-Hexanone	U		0.158	1.15	100	08/26/2017 17:28	WG1013822
n-Hexane	U		0.0333	1.15	100	08/26/2017 17:28	WG1013822

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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
Iodomethane	U		0.291	1.15	100	08/26/2017 17:28	WG1013822
Isopropylbenzene	U		0.0279	0.115	100	08/26/2017 17:28	WG1013822
p-Isopropyltoluene	U		0.0235	0.115	100	08/26/2017 17:28	WG1013822
2-Butanone (MEK)	U		0.538	1.15	100	08/26/2017 17:28	WG1013822
Methylene Chloride	U		0.115	0.575	100	08/26/2017 17:28	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.216	1.15	100	08/26/2017 17:28	WG1013822
Methyl tert-butyl ether	0.159		0.0244	0.115	100	08/26/2017 17:28	WG1013822
Naphthalene	U		0.115	0.575	100	08/26/2017 17:28	WG1013822
n-Propylbenzene	0.0501 J	J	0.0237	0.115	100	08/26/2017 17:28	WG1013822
Styrene	U		0.0269	0.115	100	08/26/2017 17:28	WG1013822
1,1,1,2-Tetrachloroethane	U		0.0304	0.115	100	08/26/2017 17:28	WG1013822
1,1,2,2-Tetrachloroethane	U		0.0420	0.115	100	08/26/2017 17:28	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.0420	0.115	100	08/26/2017 17:28	WG1013822
Tetrachloroethene	385		3.17	11.5	10000	08/28/2017 19:04	WG1013822
Toluene	U		0.0499	0.575	100	08/26/2017 17:28	WG1013822
1,2,3-Trichlorobenzene	U		0.0352	0.115	100	08/26/2017 17:28	WG1013822
1,2,4-Trichlorobenzene	U		0.0446	0.115	100	08/26/2017 17:28	WG1013822
1,1,1-Trichloroethane	U		0.0329	0.115	100	08/26/2017 17:28	WG1013822
1,1,2-Trichloroethane	U		0.0319	0.115	100	08/26/2017 17:28	WG1013822
Trichloroethene	9.63		0.0321	0.115	100	08/26/2017 17:28	WG1013822
Trichlorofluoromethane	U		0.0439	0.575	100	08/26/2017 17:28	WG1013822
1,2,3-Trichloropropane	U		0.0852	0.287	100	08/26/2017 17:28	WG1013822
1,2,4-Trimethylbenzene	0.212		0.0243	0.115	100	08/26/2017 17:28	WG1013822
1,2,3-Trimethylbenzene	0.0533 J	J	0.0330	0.115	100	08/26/2017 17:28	WG1013822
1,3,5-Trimethylbenzene	0.0664 J	J	0.0306	0.115	100	08/26/2017 17:28	WG1013822
Vinyl acetate	U		0.275	1.15	100	08/26/2017 17:28	WG1013822
Vinyl chloride	U		0.0335	0.115	100	08/26/2017 17:28	WG1013822
Xylenes, Total	U		0.0803	0.345	100	08/26/2017 17:28	WG1013822
(S) Toluene-d8	*95.7*			*80.0-120*		*08/26/2017 17:28*	WG1013822
(S) Toluene-d8	*106*			*80.0-120*		*08/28/2017 19:04*	WG1013822
(S) Dibromofluoromethane	*106*			*74.0-131*		*08/26/2017 17:28*	WG1013822
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*08/28/2017 19:04*	WG1013822
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*08/28/2017 19:04*	WG1013822
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*08/26/2017 17:28*	WG1013822

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	08/29/2017 12:56	WG1014667

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	0.276		0.0365	0.108	1	08/28/2017 17:08	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*08/28/2017 17:08*	WG1014268

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0149 J	J	0.0108	0.0538	1	08/26/2017 17:49	WG1013822	
Acrylonitrile	U		0.00193	0.0108	1	08/26/2017 17:49	WG1013822	
Benzene	U		0.000291	0.00108	1	08/26/2017 17:49	WG1013822	
Bromobenzene	U	J4	0.000306	0.00108	1	08/26/2017 17:49	WG1013822	
Bromodichloromethane	U		0.000274	0.00108	1	08/26/2017 17:49	WG1013822	
Bromochloromethane	U		0.000420	0.00538	1	08/26/2017 17:49	WG1013822	
Bromoform	U		0.000457	0.00108	1	08/26/2017 17:49	WG1013822	
Bromomethane	U		0.00144	0.00538	1	08/26/2017 17:49	WG1013822	
n-Butylbenzene	U		0.000278	0.00108	1	08/26/2017 17:49	WG1013822	
sec-Butylbenzene	U		0.000216	0.00108	1	08/26/2017 17:49	WG1013822	
tert-Butylbenzene	U		0.000222	0.00108	1	08/26/2017 17:49	WG1013822	
Carbon disulfide	0.00175 J	J0	0.000238	0.00108	1	08/26/2017 17:49	WG1013822	
Carbon tetrachloride	U		0.000353	0.00108	1	08/26/2017 17:49	WG1013822	
Chlorobenzene	U		0.000228	0.00108	1	08/26/2017 17:49	WG1013822	
Chlorodibromomethane	U		0.000402	0.00108	1	08/26/2017 17:49	WG1013822	
Chloroethane	U		0.00102	0.00538	1	08/26/2017 17:49	WG1013822	
Chloroform	U		0.000247	0.00538	1	08/26/2017 17:49	WG1013822	
Chloromethane	U		0.000404	0.00269	1	08/26/2017 17:49	WG1013822	
2-Chlorotoluene	U		0.000324	0.00108	1	08/26/2017 17:49	WG1013822	
4-Chlorotoluene	U	J4	0.000258	0.00108	1	08/26/2017 17:49	WG1013822	
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	08/26/2017 17:49	WG1013822	
1,2-Dibromoethane	U		0.000369	0.00108	1	08/26/2017 17:49	WG1013822	
Dibromomethane	U		0.000411	0.00108	1	08/26/2017 17:49	WG1013822	
1,2-Dichlorobenzene	U		0.000328	0.00108	1	08/26/2017 17:49	WG1013822	
1,3-Dichlorobenzene	U		0.000257	0.00108	1	08/26/2017 17:49	WG1013822	
1,4-Dichlorobenzene	U		0.000243	0.00108	1	08/26/2017 17:49	WG1013822	
Dichlorodifluoromethane	U		0.000768	0.00538	1	08/26/2017 17:49	WG1013822	
1,1-Dichloroethane	U		0.000214	0.00108	1	08/26/2017 17:49	WG1013822	
1,2-Dichloroethane	U	J4	0.000285	0.00108	1	08/26/2017 17:49	WG1013822	
1,1-Dichloroethene	0.00121		0.000326	0.00108	1	08/26/2017 17:49	WG1013822	
cis-1,2-Dichloroethene	0.0871		0.000253	0.00108	1	08/26/2017 17:49	WG1013822	
trans-1,2-Dichloroethene	0.000785 J	J	0.000284	0.00108	1	08/26/2017 17:49	WG1013822	
1,2-Dichloropropane	U		0.000386	0.00108	1	08/26/2017 17:49	WG1013822	
1,1-Dichloropropene	U		0.000341	0.00108	1	08/26/2017 17:49	WG1013822	
1,3-Dichloropropane	U		0.000223	0.00108	1	08/26/2017 17:49	WG1013822	
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	08/26/2017 17:49	WG1013822	
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	08/26/2017 17:49	WG1013822	
trans-1,4-Dichloro-2-butene	U		0.000838	0.00269	1	08/26/2017 17:49	WG1013822	
2,2-Dichloropropane	U		0.000300	0.00108	1	08/26/2017 17:49	WG1013822	
Di-isopropyl ether	U		0.000267	0.00108	1	08/26/2017 17:49	WG1013822	
Ethylbenzene	U		0.000320	0.00108	1	08/26/2017 17:49	WG1013822	
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	08/26/2017 17:49	WG1013822	
2-Hexanone	U		0.00148	0.0108	1	08/26/2017 17:49	WG1013822	
n-Hexane	0.000678 J	J	0.000312	0.0108	1	08/26/2017 17:49	WG1013822	JC 9/19/17

Volatile Organic Compounds (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		0.00272	0.0108	1	08/26/2017 17:49	WG1013822
Isopropylbenzene	U		0.000262	0.00108	1	08/26/2017 17:49	WG1013822
p-Isopropyltoluene	U		0.000220	0.00108	1	08/26/2017 17:49	WG1013822
2-Butanone (MEK)	U		0.00504	0.0108	1	08/26/2017 17:49	WG1013822
Methylene Chloride	U		0.00108	0.00538	1	08/26/2017 17:49	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	08/26/2017 17:49	WG1013822
Methyl tert-butyl ether	U		0.000228	0.00108	1	08/26/2017 17:49	WG1013822
Naphthalene	U		0.00108	0.00538	1	08/26/2017 17:49	WG1013822
n-Propylbenzene	U		0.000222	0.00108	1	08/26/2017 17:49	WG1013822
Styrene	U		0.000252	0.00108	1	08/26/2017 17:49	WG1013822
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	08/26/2017 17:49	WG1013822
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	08/26/2017 17:49	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	08/26/2017 17:49	WG1013822
Tetrachloroethene	3.92		0.00810	0.0293	27.25	08/28/2017 19:30	WG1013822
Toluene	U		0.000467	0.00538	1	08/26/2017 17:49	WG1013822
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	08/26/2017 17:49	WG1013822
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	08/26/2017 17:49	WG1013822
1,1,1-Trichloroethane	U		0.000308	0.00108	1	08/26/2017 17:49	WG1013822
1,1,2-Trichloroethane	U		0.000298	0.00108	1	08/26/2017 17:49	WG1013822
Trichloroethene	4.60		0.00818	0.0293	27.25	08/28/2017 19:30	WG1013822
Trichlorofluoromethane	U		0.000411	0.00538	1	08/26/2017 17:49	WG1013822
1,2,3-Trichloropropane	U		0.000798	0.00269	1	08/26/2017 17:49	WG1013822
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	08/26/2017 17:49	WG1013822
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	08/26/2017 17:49	WG1013822
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	08/26/2017 17:49	WG1013822
Vinyl acetate	U		0.00257	0.0108	1	08/26/2017 17:49	WG1013822
Vinyl chloride	0.000808 J	J	0.000313	0.00108	1	08/26/2017 17:49	WG1013822
Xylenes, Total	U		0.000752	0.00323	1	08/26/2017 17:49	WG1013822
(S) Toluene-d8	*91.1*			*80.0-120*		*08/28/2017 19:30*	WG1013822
(S) Toluene-d8	*92.5*			*80.0-120*		*08/26/2017 17:49*	WG1013822
(S) Dibromofluoromethane	*117*			*74.0-131*		*08/26/2017 17:49*	WG1013822
(S) Dibromofluoromethane	*96.7*			*74.0-131*		*08/28/2017 19:30*	WG1013822
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*08/26/2017 17:49*	WG1013822
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*08/28/2017 19:30*	WG1013822

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	08/29/2017 12:56	WG1014667

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.03	3.05	25	08/30/2017 02:02	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*08/30/2017 02:02*	WG1014268

Sample Narrative:

L931655-04 WG1014268: No stir bars remain for analysis.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0182 J	J	0.0122	0.0610	1	08/26/2017 18:10	WG1013822
Acrylonitrile	U		0.00218	0.0122	1	08/26/2017 18:10	WG1013822
Benzene	U		0.000329	0.00122	1	08/26/2017 18:10	WG1013822
Bromobenzene	U	J4	0.000346	0.00122	1	08/26/2017 18:10	WG1013822
Bromodichloromethane	U		0.000310	0.00122	1	08/26/2017 18:10	WG1013822
Bromochloromethane	U		0.000475	0.00610	1	08/26/2017 18:10	WG1013822
Bromoform	U		0.000517	0.00122	1	08/26/2017 18:10	WG1013822
Bromomethane	U		0.00163	0.00610	1	08/26/2017 18:10	WG1013822
n-Butylbenzene	U		0.000315	0.00122	1	08/26/2017 18:10	WG1013822
sec-Butylbenzene	U		0.000245	0.00122	1	08/26/2017 18:10	WG1013822
tert-Butylbenzene	U		0.000251	0.00122	1	08/26/2017 18:10	WG1013822
Carbon disulfide	0.000464 J	J	0.000269	0.00122	1	08/26/2017 18:10	WG1013822
Carbon tetrachloride	U		0.000400	0.00122	1	08/26/2017 18:10	WG1013822
Chlorobenzene	U		0.000258	0.00122	1	08/26/2017 18:10	WG1013822
Chlorodibromomethane	U		0.000455	0.00122	1	08/26/2017 18:10	WG1013822
Chloroethane	U		0.00115	0.00610	1	08/26/2017 18:10	WG1013822
Chloroform	U		0.000279	0.00610	1	08/26/2017 18:10	WG1013822
Chloromethane	U		0.000457	0.00305	1	08/26/2017 18:10	WG1013822
2-Chlorotoluene	U		0.000367	0.00122	1	08/26/2017 18:10	WG1013822
4-Chlorotoluene	U	J4	0.000293	0.00122	1	08/26/2017 18:10	WG1013822
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00610	1	08/26/2017 18:10	WG1013822
1,2-Dibromoethane	U		0.000418	0.00122	1	08/26/2017 18:10	WG1013822
Dibromomethane	U		0.000466	0.00122	1	08/26/2017 18:10	WG1013822
1,2-Dichlorobenzene	U		0.000372	0.00122	1	08/26/2017 18:10	WG1013822
1,3-Dichlorobenzene	U		0.000291	0.00122	1	08/26/2017 18:10	WG1013822
1,4-Dichlorobenzene	U		0.000276	0.00122	1	08/26/2017 18:10	WG1013822
Dichlorodifluoromethane	U		0.000869	0.00610	1	08/26/2017 18:10	WG1013822
1,1-Dichloroethane	U		0.000243	0.00122	1	08/26/2017 18:10	WG1013822
1,2-Dichloroethane	U	J4	0.000323	0.00122	1	08/26/2017 18:10	WG1013822
1,1-Dichloroethene	U		0.000369	0.00122	1	08/26/2017 18:10	WG1013822
cis-1,2-Dichloroethene	0.000586 J	J	0.000286	0.00122	1	08/26/2017 18:10	WG1013822
trans-1,2-Dichloroethene	U		0.000322	0.00122	1	08/26/2017 18:10	WG1013822
1,2-Dichloropropane	U		0.000436	0.00122	1	08/26/2017 18:10	WG1013822
1,1-Dichloropropene	U		0.000386	0.00122	1	08/26/2017 18:10	WG1013822
1,3-Dichloropropane	U		0.000252	0.00122	1	08/26/2017 18:10	WG1013822
cis-1,3-Dichloropropene	U		0.000319	0.00122	1	08/26/2017 18:10	WG1013822
trans-1,3-Dichloropropene	U		0.000325	0.00122	1	08/26/2017 18:10	WG1013822
trans-1,4-Dichloro-2-butene	U		0.000948	0.00305	1	08/26/2017 18:10	WG1013822
2,2-Dichloropropane	U		0.000340	0.00122	1	08/26/2017 18:10	WG1013822
Di-isopropyl ether	U		0.000302	0.00122	1	08/26/2017 18:10	WG1013822
Ethylbenzene	U		0.000362	0.00122	1	08/26/2017 18:10	WG1013822

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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		0.000417	0.00122	1	08/26/2017 18:10	WG1013822
2-Hexanone	U		0.00167	0.0122	1	08/26/2017 18:10	WG1013822
n-Hexane	0.000499 J	J	0.000354	0.0122	1	08/26/2017 18:10	WG1013822
Iodomethane	U		0.00308	0.0122	1	08/26/2017 18:10	WG1013822
Isopropylbenzene	U		0.000296	0.00122	1	08/26/2017 18:10	WG1013822
p-Isopropyltoluene	U		0.000249	0.00122	1	08/26/2017 18:10	WG1013822
2-Butanone (MEK)	U		0.00571	0.0122	1	08/26/2017 18:10	WG1013822
Methylene Chloride	U		0.00122	0.00610	1	08/26/2017 18:10	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	08/26/2017 18:10	WG1013822
Methyl tert-butyl ether	U		0.000258	0.00122	1	08/26/2017 18:10	WG1013822
Naphthalene	U		0.00122	0.00610	1	08/26/2017 18:10	WG1013822
n-Propylbenzene	U		0.000251	0.00122	1	08/26/2017 18:10	WG1013822
Styrene	U		0.000285	0.00122	1	08/26/2017 18:10	WG1013822
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	08/26/2017 18:10	WG1013822
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	08/26/2017 18:10	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	08/26/2017 18:10	WG1013822
Tetrachloroethene	0.00905 J	J	0.00841	0.0305	25	08/28/2017 20:21	WG1013822
Toluene	U		0.000529	0.00610	1	08/26/2017 18:10	WG1013822
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	08/26/2017 18:10	WG1013822
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	08/26/2017 18:10	WG1013822
1,1,1-Trichloroethane	U		0.000349	0.00122	1	08/26/2017 18:10	WG1013822
1,1,2-Trichloroethane	U		0.000338	0.00122	1	08/26/2017 18:10	WG1013822
Trichloroethene	U		0.00851	0.0305	25	08/28/2017 20:21	WG1013822
Trichlorofluoromethane	U		0.000466	0.00610	1	08/26/2017 18:10	WG1013822
1,2,3-Trichloropropane	U		0.000903	0.00305	1	08/26/2017 18:10	WG1013822
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	08/26/2017 18:10	WG1013822
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	08/26/2017 18:10	WG1013822
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	08/26/2017 18:10	WG1013822
Vinyl acetate	U		0.00291	0.0122	1	08/26/2017 18:10	WG1013822
Vinyl chloride	U		0.000355	0.00122	1	08/26/2017 18:10	WG1013822
Xylenes, Total	U		0.000851	0.00366	1	08/26/2017 18:10	WG1013822
(S) Toluene-d8	*91.0*			*80.0-120*		*08/26/2017 18:10*	WG1013822
(S) Toluene-d8	*102*			*80.0-120*		*08/28/2017 20:21*	WG1013822
(S) Dibromofluoromethane	*96.8*			*74.0-131*		*08/28/2017 20:21*	WG1013822
(S) Dibromofluoromethane	*118*			*74.0-131*		*08/26/2017 18:10*	WG1013822
(S) 4-Bromofluorobenzene	*95.3*			*64.0-132*		*08/28/2017 20:21*	WG1013822
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*08/26/2017 18:10*	WG1013822

Sample Narrative:

L931655-04 WG1013822: No stir bars remain for analysis.

JC 9/19/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	08/29/2017 12:56	WG1014667

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		0.925	2.73	25	08/30/2017 02:24	WG1014268
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*08/30/2017 02:24*	WG1014268

Sample Narrative:

L931655-05 WG1014268: No stir bars remain for analysis.

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0262 J	J	0.0109	0.0545	1	08/26/2017 18:31	WG1013822
Acrylonitrile	U		0.00195	0.0109	1	08/26/2017 18:31	WG1013822
Benzene	0.000302 J	J	0.000295	0.00109	1	08/26/2017 18:31	WG1013822
Bromobenzene	U	J4	0.000310	0.00109	1	08/26/2017 18:31	WG1013822
Bromodichloromethane	U		0.000277	0.00109	1	08/26/2017 18:31	WG1013822
Bromochloromethane	U		0.000425	0.00545	1	08/26/2017 18:31	WG1013822
Bromoform	U		0.000463	0.00109	1	08/26/2017 18:31	WG1013822
Bromomethane	U		0.00146	0.00545	1	08/26/2017 18:31	WG1013822
n-Butylbenzene	U		0.000281	0.00109	1	08/26/2017 18:31	WG1013822
sec-Butylbenzene	U		0.000219	0.00109	1	08/26/2017 18:31	WG1013822
tert-Butylbenzene	U		0.000225	0.00109	1	08/26/2017 18:31	WG1013822
Carbon disulfide	0.00271		0.000241	0.00109	1	08/26/2017 18:31	WG1013822
Carbon tetrachloride	U		0.000358	0.00109	1	08/26/2017 18:31	WG1013822
Chlorobenzene	U		0.000231	0.00109	1	08/26/2017 18:31	WG1013822
Chlorodibromomethane	U		0.000407	0.00109	1	08/26/2017 18:31	WG1013822
Chloroethane	U		0.00103	0.00545	1	08/26/2017 18:31	WG1013822
Chloroform	U		0.000250	0.00545	1	08/26/2017 18:31	WG1013822
Chloromethane	U		0.000409	0.00273	1	08/26/2017 18:31	WG1013822
2-Chlorotoluene	U		0.000328	0.00109	1	08/26/2017 18:31	WG1013822
4-Chlorotoluene	U	J4	0.000262	0.00109	1	08/26/2017 18:31	WG1013822
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	08/26/2017 18:31	WG1013822
1,2-Dibromoethane	U		0.000374	0.00109	1	08/26/2017 18:31	WG1013822
Dibromomethane	U		0.000417	0.00109	1	08/26/2017 18:31	WG1013822
1,2-Dichlorobenzene	U		0.000333	0.00109	1	08/26/2017 18:31	WG1013822
1,3-Dichlorobenzene	U		0.000261	0.00109	1	08/26/2017 18:31	WG1013822
1,4-Dichlorobenzene	U		0.000247	0.00109	1	08/26/2017 18:31	WG1013822
Dichlorodifluoromethane	U		0.000778	0.00545	1	08/26/2017 18:31	WG1013822
1,1-Dichloroethane	U		0.000217	0.00109	1	08/26/2017 18:31	WG1013822
1,2-Dichloroethane	U	J4	0.000289	0.00109	1	08/26/2017 18:31	WG1013822
1,1-Dichloroethene	U		0.000331	0.00109	1	08/26/2017 18:31	WG1013822
cis-1,2-Dichloroethene	0.000283 J	J	0.000256	0.00109	1	08/26/2017 18:31	WG1013822
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	08/26/2017 18:31	WG1013822
1,2-Dichloropropane	U		0.000391	0.00109	1	08/26/2017 18:31	WG1013822
1,1-Dichloropropene	U		0.000346	0.00109	1	08/26/2017 18:31	WG1013822
1,3-Dichloropropane	U		0.000226	0.00109	1	08/26/2017 18:31	WG1013822
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	08/26/2017 18:31	WG1013822
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	08/26/2017 18:31	WG1013822
trans-1,4-Dichloro-2-butene	U		0.000849	0.00273	1	08/26/2017 18:31	WG1013822
2,2-Dichloropropane	U		0.000304	0.00109	1	08/26/2017 18:31	WG1013822
Di-isopropyl ether	U		0.000271	0.00109	1	08/26/2017 18:31	WG1013822
Ethylbenzene	U		0.000324	0.00109	1	08/26/2017 18:31	WG1013822

JC 9/19/17

Volatile Organic Compounds (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		0.000373	0.00109	1	08/26/2017 18:31	WG1013822
2-Hexanone	U		0.00149	0.0109	1	08/26/2017 18:31	WG1013822
n-Hexane	U		0.000316	0.0109	1	08/26/2017 18:31	WG1013822
Iodomethane	U		0.00276	0.0109	1	08/26/2017 18:31	WG1013822
Isopropylbenzene	U		0.000265	0.00109	1	08/26/2017 18:31	WG1013822
p-Isopropyltoluene	U		0.000223	0.00109	1	08/26/2017 18:31	WG1013822
2-Butanone (MEK)	U		0.00510	0.0109	1	08/26/2017 18:31	WG1013822
Methylene Chloride	U		0.00109	0.00545	1	08/26/2017 18:31	WG1013822
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	08/26/2017 18:31	WG1013822
Methyl tert-butyl ether	U		0.000231	0.00109	1	08/26/2017 18:31	WG1013822
Naphthalene	U		0.00109	0.00545	1	08/26/2017 18:31	WG1013822
n-Propylbenzene	U		0.000225	0.00109	1	08/26/2017 18:31	WG1013822
Styrene	U		0.000255	0.00109	1	08/26/2017 18:31	WG1013822
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	08/26/2017 18:31	WG1013822
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	08/26/2017 18:31	WG1013822
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	08/26/2017 18:31	WG1013822
Tetrachloroethene	U		0.00753	0.0273	25	08/28/2017 20:47	WG1013822
Toluene	U		0.000473	0.00545	1	08/26/2017 18:31	WG1013822
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	08/26/2017 18:31	WG1013822
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	08/26/2017 18:31	WG1013822
1,1,1-Trichloroethane	U		0.000312	0.00109	1	08/26/2017 18:31	WG1013822
1,1,2-Trichloroethane	U		0.000302	0.00109	1	08/26/2017 18:31	WG1013822
Trichloroethene	U		0.000304	0.00109	1	08/26/2017 18:31	WG1013822
Trichlorofluoromethane	U		0.000417	0.00545	1	08/26/2017 18:31	WG1013822
1,2,3-Trichloropropane	U		0.000808	0.00273	1	08/26/2017 18:31	WG1013822
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	08/26/2017 18:31	WG1013822
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	08/26/2017 18:31	WG1013822
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	08/26/2017 18:31	WG1013822
Vinyl acetate	U		0.00261	0.0109	1	08/26/2017 18:31	WG1013822
Vinyl chloride	U		0.000317	0.00109	1	08/26/2017 18:31	WG1013822
Xylenes, Total	U		0.000761	0.00327	1	08/26/2017 18:31	WG1013822
(S) Toluene-d8	*106*			*80.0-120*		*08/28/2017 20:47*	WG1013822
(S) Toluene-d8	*90.2*			*80.0-120*		*08/26/2017 18:31*	WG1013822
(S) Dibromofluoromethane	*119*			*74.0-131*		*08/26/2017 18:31*	WG1013822
(S) Dibromofluoromethane	*97.0*			*74.0-131*		*08/28/2017 20:47*	WG1013822
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*08/26/2017 18:31*	WG1013822
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*08/28/2017 20:47*	WG1013822

Sample Narrative:

L931655-05 WG1013822: No stir bars remain for analysis.

JC 9/19/17

ANALYTICAL REPORT

September 01, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L932059
Samples Received:	08/25/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	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.

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MW-135-16 L932059-01 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 08:05 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015517	1	08/31/17 11:49	08/31/17 12:03	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014739	250	08/24/17 08:05	09/01/17 05:01	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	100	08/24/17 08:05	08/29/17 14:46	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	20000	08/24/17 08:05	08/29/17 16:27	JAH

MW-135-20 L932059-02 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 08:30 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015517	1	08/31/17 11:49	08/31/17 12:03	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014739	1	08/24/17 08:30	08/29/17 15:31	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	25	08/24/17 08:30	08/29/17 15:11	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	25	08/24/17 08:30	08/29/17 16:53	JAH

MW-135-30 L932059-03 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 08:55 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015517	1	08/31/17 11:49	08/31/17 12:03	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014739	1	08/24/17 08:55	08/29/17 15:53	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 08:55	08/28/17 16:44	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	10000	08/24/17 08:55	08/29/17 16:17	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	50	08/24/17 08:55	08/29/17 13:20	JAH

MW-135-36 L932059-04 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 09:00 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015517	1	08/31/17 11:49	08/31/17 12:03	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014739	1	08/24/17 09:00	08/29/17 16:15	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 09:00	08/28/17 17:04	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1000	08/24/17 09:00	08/29/17 16:56	BMB

MW-135-40 L932059-05 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 09:40 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015517	1	08/31/17 11:49	08/31/17 12:03	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014739	1	08/24/17 09:40	08/29/17 16:37	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 09:40	08/28/17 17:23	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	52.5	08/24/17 09:40	08/29/17 14:39	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	525	08/24/17 09:40	08/29/17 17:16	BMB

MW-135-45 L932059-06 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 09:55 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015517	1	08/31/17 11:49	08/31/17 12:03	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014739	1.01	08/24/17 09:55	08/29/17 17:00	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 09:55	08/28/17 17:43	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	71	08/24/17 09:55	08/29/17 14:58	ACG

MW-135-45 L932059-06 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 09:55 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	7100	08/24/17 09:55	08/29/17 17:35	BMB

MW-135-55 L932059-07 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 10:50 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015517	1	08/31/17 11:49	08/31/17 12:03	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014739	1	08/24/17 10:50	08/29/17 17:22	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 10:50	08/28/17 18:03	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	29.75	08/24/17 10:50	08/29/17 15:18	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	595	08/24/17 10:50	08/29/17 17:55	BMB

B-901-50 L932059-08 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 11:20 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015137	1	08/31/17 10:19	08/31/17 10:33	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 11:20	08/28/17 18:22	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 11:20	08/29/17 15:38	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	25	08/24/17 11:20	08/29/17 18:14	BMB

B-208-20 L932059-09 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 11:30 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015141	1	08/30/17 16:27	08/30/17 16:41	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 11:30	08/28/17 18:42	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 11:30	08/29/17 15:57	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	25	08/24/17 11:30	08/29/17 18:34	BMB

B-208-35 L932059-10 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/24/17 12:05 | Received date/time: 08/25/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015141	1	08/30/17 16:27	08/30/17 16:41	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014254	1	08/24/17 12:05	08/28/17 19:01	LRL

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	08/31/2017 12:03	WG1015517

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	641		10.3	30.5	250	09/01/2017 05:01	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*98.5*			*77.0-120*		*09/01/2017 05:01*	WG1014739

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.22	6.10	100	08/29/2017 14:46	WG1014254
Acrylonitrile	U		0.218	1.22	100	08/29/2017 14:46	WG1014254
Benzene	U		0.0329	0.122	100	08/29/2017 14:46	WG1014254
Bromobenzene	U		0.0346	0.122	100	08/29/2017 14:46	WG1014254
Bromodichloromethane	U		0.0310	0.122	100	08/29/2017 14:46	WG1014254
Bromochloromethane	U		0.0476	0.610	100	08/29/2017 14:46	WG1014254
Bromoform	U		0.0517	0.122	100	08/29/2017 14:46	WG1014254
Bromomethane	U		0.163	0.610	100	08/29/2017 14:46	WG1014254
n-Butylbenzene	0.339		0.0315	0.122	100	08/29/2017 14:46	WG1014254
sec-Butylbenzene	0.167		0.0245	0.122	100	08/29/2017 14:46	WG1014254
tert-Butylbenzene	0.0271	J	0.0251	0.122	100	08/29/2017 14:46	WG1014254
Carbon disulfide	U		0.0270	0.122	100	08/29/2017 14:46	WG1014254
Carbon tetrachloride	U		0.0400	0.122	100	08/29/2017 14:46	WG1014254
Chlorobenzene	U		0.0259	0.122	100	08/29/2017 14:46	WG1014254
Chlorodibromomethane	U		0.0455	0.122	100	08/29/2017 14:46	WG1014254
Chloroethane	U		0.115	0.610	100	08/29/2017 14:46	WG1014254
Chloroform	U		0.0279	0.610	100	08/29/2017 14:46	WG1014254
Chloromethane	U		0.0457	0.305	100	08/29/2017 14:46	WG1014254
2-Chlorotoluene	U		0.0367	0.122	100	08/29/2017 14:46	WG1014254
4-Chlorotoluene	U		0.0293	0.122	100	08/29/2017 14:46	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.128	0.610	100	08/29/2017 14:46	WG1014254
1,2-Dibromoethane	U		0.0418	0.122	100	08/29/2017 14:46	WG1014254
Dibromomethane	U		0.0466	0.122	100	08/29/2017 14:46	WG1014254
1,2-Dichlorobenzene	U		0.0372	0.122	100	08/29/2017 14:46	WG1014254
1,3-Dichlorobenzene	U		0.0292	0.122	100	08/29/2017 14:46	WG1014254
1,4-Dichlorobenzene	U		0.0276	0.122	100	08/29/2017 14:46	WG1014254
Dichlorodifluoromethane	U		0.0870	0.610	100	08/29/2017 14:46	WG1014254
1,1-Dichloroethane	U		0.0243	0.122	100	08/29/2017 14:46	WG1014254
1,2-Dichloroethane	U		0.0323	0.122	100	08/29/2017 14:46	WG1014254
1,1-Dichloroethene	1.04		0.0370	0.122	100	08/29/2017 14:46	WG1014254
cis-1,2-Dichloroethene	329		5.73	24.4	20000	08/29/2017 16:27	WG1014254
trans-1,2-Dichloroethene	0.700		0.0322	0.122	100	08/29/2017 14:46	WG1014254
1,2-Dichloropropane	U		0.0437	0.122	100	08/29/2017 14:46	WG1014254
1,1-Dichloropropene	U		0.0387	0.122	100	08/29/2017 14:46	WG1014254
1,3-Dichloropropane	U		0.0253	0.122	100	08/29/2017 14:46	WG1014254
cis-1,3-Dichloropropene	U		0.0320	0.122	100	08/29/2017 14:46	WG1014254
trans-1,3-Dichloropropene	U		0.0326	0.122	100	08/29/2017 14:46	WG1014254
trans-1,4-Dichloro-2-butene	U		0.0949	0.305	100	08/29/2017 14:46	WG1014254
2,2-Dichloropropane	U		0.0340	0.122	100	08/29/2017 14:46	WG1014254
Di-isopropyl ether	U		0.0303	0.122	100	08/29/2017 14:46	WG1014254
Ethylbenzene	0.0750	J	0.0362	0.122	100	08/29/2017 14:46	WG1014254
Hexachloro-1,3-butadiene	U		0.0417	0.122	100	08/29/2017 14:46	WG1014254
2-Hexanone	U		0.167	1.22	100	08/29/2017 14:46	WG1014254
n-Hexane	U		0.0354	1.22	100	08/29/2017 14:46	WG1014254

Volatile Organic Compounds (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		0.309	1.22	100	08/29/2017 14:46	WG1014254
Isopropylbenzene	0.0628	J	0.0296	0.122	100	08/29/2017 14:46	WG1014254
p-Isopropyltoluene	0.681		0.0249	0.122	100	08/29/2017 14:46	WG1014254
2-Butanone (MEK)	U		0.571	1.22	100	08/29/2017 14:46	WG1014254
Methylene Chloride	U		0.122	0.610	100	08/29/2017 14:46	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.229	1.22	100	08/29/2017 14:46	WG1014254
Methyl tert-butyl ether	U		0.0259	0.122	100	08/29/2017 14:46	WG1014254
Naphthalene	0.543	J	0.122	0.610	100	08/29/2017 14:46	WG1014254
n-Propylbenzene	0.170		0.0251	0.122	100	08/29/2017 14:46	WG1014254
Styrene	U		0.0285	0.122	100	08/29/2017 14:46	WG1014254
1,1,1,2-Tetrachloroethane	U		0.0322	0.122	100	08/29/2017 14:46	WG1014254
1,1,2,2-Tetrachloroethane	U		0.0445	0.122	100	08/29/2017 14:46	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.0445	0.122	100	08/29/2017 14:46	WG1014254
Tetrachloroethene	933		6.73	24.4	20000	08/29/2017 16:27	WG1014254
Toluene	0.166	J	0.0529	0.610	100	08/29/2017 14:46	WG1014254
1,2,3-Trichlorobenzene	U		0.0373	0.122	100	08/29/2017 14:46	WG1014254
1,2,4-Trichlorobenzene	U		0.0473	0.122	100	08/29/2017 14:46	WG1014254
1,1,1-Trichloroethane	U		0.0349	0.122	100	08/29/2017 14:46	WG1014254
1,1,2-Trichloroethane	U		0.0338	0.122	100	08/29/2017 14:46	WG1014254
Trichloroethene	113		6.81	24.4	20000	08/29/2017 16:27	WG1014254
Trichlorofluoromethane	U		0.0466	0.610	100	08/29/2017 14:46	WG1014254
1,2,3-Trichloropropane	U		0.0904	0.305	100	08/29/2017 14:46	WG1014254
1,2,4-Trimethylbenzene	0.483		0.0257	0.122	100	08/29/2017 14:46	WG1014254
1,2,3-Trimethylbenzene	0.257		0.0350	0.122	100	08/29/2017 14:46	WG1014254
1,3,5-Trimethylbenzene	0.159		0.0324	0.122	100	08/29/2017 14:46	WG1014254
Vinyl acetate	U		0.292	1.22	100	08/29/2017 14:46	WG1014254
Vinyl chloride	17.0		0.0355	0.122	100	08/29/2017 14:46	WG1014254
Xylenes, Total	0.331	J	0.0851	0.366	100	08/29/2017 14:46	WG1014254
(S) Toluene-d8	*105*			*80.0-120*		*08/29/2017 14:46*	WG1014254
(S) Toluene-d8	*104*			*80.0-120*		*08/29/2017 16:27*	WG1014254
(S) Dibromofluoromethane	*99.6*			*74.0-131*		*08/29/2017 14:46*	WG1014254
(S) Dibromofluoromethane	*100*			*74.0-131*		*08/29/2017 16:27*	WG1014254
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*08/29/2017 14:46*	WG1014254
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*08/29/2017 16:27*	WG1014254

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	08/31/2017 12:03	WG1015517

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	0.277		0.0386	0.114	1	08/29/2017 15:31	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*94.7*			*77.0-120*		*08/29/2017 15:31*	WG1014739

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.285	1.42	25	08/29/2017 15:11	WG1014254
Acrylonitrile	U		0.0510	0.285	25	08/29/2017 15:11	WG1014254
Benzene	U		0.00769	0.0285	25	08/29/2017 15:11	WG1014254
Bromobenzene	U		0.00809	0.0285	25	08/29/2017 15:11	WG1014254
Bromodichloromethane	U		0.00723	0.0285	25	08/29/2017 15:11	WG1014254
Bromochloromethane	U		0.0111	0.142	25	08/29/2017 15:11	WG1014254
Bromoform	U		0.0121	0.0285	25	08/29/2017 15:11	WG1014254
Bromomethane	U		0.0382	0.142	25	08/29/2017 15:11	WG1014254
n-Butylbenzene	U		0.00735	0.0285	25	08/29/2017 15:11	WG1014254
sec-Butylbenzene	U		0.00572	0.0285	25	08/29/2017 15:11	WG1014254
tert-Butylbenzene	U		0.00587	0.0285	25	08/29/2017 15:11	WG1014254
Carbon disulfide	U		0.00629	0.0285	25	08/29/2017 15:11	WG1014254
Carbon tetrachloride	U		0.00934	0.0285	25	08/29/2017 15:11	WG1014254
Chlorobenzene	U		0.00604	0.0285	25	08/29/2017 15:11	WG1014254
Chlorodibromomethane	U		0.0106	0.0285	25	08/29/2017 15:11	WG1014254
Chloroethane	U		0.0269	0.142	25	08/29/2017 15:11	WG1014254
Chloroform	U		0.00651	0.142	25	08/29/2017 15:11	WG1014254
Chloromethane	U		0.0107	0.0712	25	08/29/2017 15:11	WG1014254
2-Chlorotoluene	U		0.00857	0.0285	25	08/29/2017 15:11	WG1014254
4-Chlorotoluene	U		0.00683	0.0285	25	08/29/2017 15:11	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.0298	0.142	25	08/29/2017 15:11	WG1014254
1,2-Dibromoethane	U		0.00977	0.0285	25	08/29/2017 15:11	WG1014254
Dibromomethane	U		0.0109	0.0285	25	08/29/2017 15:11	WG1014254
1,2-Dichlorobenzene	U		0.00868	0.0285	25	08/29/2017 15:11	WG1014254
1,3-Dichlorobenzene	U		0.00681	0.0285	25	08/29/2017 15:11	WG1014254
1,4-Dichlorobenzene	U		0.00644	0.0285	25	08/29/2017 15:11	WG1014254
Dichlorodifluoromethane	U		0.0203	0.142	25	08/29/2017 15:11	WG1014254
1,1-Dichloroethane	U		0.00567	0.0285	25	08/29/2017 15:11	WG1014254
1,2-Dichloroethane	U		0.00754	0.0285	25	08/29/2017 15:11	WG1014254
1,1-Dichloroethene	U		0.00863	0.0285	25	08/29/2017 15:11	WG1014254
cis-1,2-Dichloroethene	0.408		0.00670	0.0285	25	08/29/2017 16:53	WG1014254
trans-1,2-Dichloroethene	U		0.00752	0.0285	25	08/29/2017 15:11	WG1014254
1,2-Dichloropropane	U		0.0102	0.0285	25	08/29/2017 15:11	WG1014254
1,1-Dichloropropene	U		0.00902	0.0285	25	08/29/2017 15:11	WG1014254
1,3-Dichloropropane	U		0.00590	0.0285	25	08/29/2017 15:11	WG1014254
cis-1,3-Dichloropropene	U		0.00746	0.0285	25	08/29/2017 15:11	WG1014254
trans-1,3-Dichloropropene	U		0.00761	0.0285	25	08/29/2017 15:11	WG1014254
trans-1,4-Dichloro-2-butene	U		0.0221	0.0712	25	08/29/2017 15:11	WG1014254
2,2-Dichloropropane	U		0.00795	0.0285	25	08/29/2017 15:11	WG1014254
Di-isopropyl ether	U		0.00706	0.0285	25	08/29/2017 15:11	WG1014254
Ethylbenzene	U		0.00845	0.0285	25	08/29/2017 15:11	WG1014254
Hexachloro-1,3-butadiene	U		0.00974	0.0285	25	08/29/2017 15:11	WG1014254
2-Hexanone	U		0.0390	0.285	25	08/29/2017 15:11	WG1014254
n-Hexane	U		0.00826	0.285	25	08/29/2017 15:11	WG1014254

Volatile Organic Compounds (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		0.0720	0.285	25	08/29/2017 15:11	WG1014254
Isopropylbenzene	U		0.00692	0.0285	25	08/29/2017 15:11	WG1014254
p-Isopropyltoluene	U		0.00581	0.0285	25	08/29/2017 15:11	WG1014254
2-Butanone (MEK)	U		0.133	0.285	25	08/29/2017 15:11	WG1014254
Methylene Chloride	U		0.0285	0.142	25	08/29/2017 15:11	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.0535	0.285	25	08/29/2017 15:11	WG1014254
Methyl tert-butyl ether	U		0.00604	0.0285	25	08/29/2017 15:11	WG1014254
Naphthalene	U		0.0285	0.142	25	08/29/2017 15:11	WG1014254
n-Propylbenzene	U		0.00587	0.0285	25	08/29/2017 15:11	WG1014254
Styrene	U		0.00666	0.0285	25	08/29/2017 15:11	WG1014254
1,1,1,2-Tetrachloroethane	U		0.00752	0.0285	25	08/29/2017 15:11	WG1014254
1,1,2,2-Tetrachloroethane	U		0.0104	0.0285	25	08/29/2017 15:11	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0285	25	08/29/2017 15:11	WG1014254
Tetrachloroethene	1.73		0.00786	0.0285	25	08/29/2017 16:53	WG1014254
Toluene	U		0.0123	0.142	25	08/29/2017 15:11	WG1014254
1,2,3-Trichlorobenzene	U		0.00871	0.0285	25	08/29/2017 15:11	WG1014254
1,2,4-Trichlorobenzene	U		0.0110	0.0285	25	08/29/2017 15:11	WG1014254
1,1,1-Trichloroethane	U		0.00814	0.0285	25	08/29/2017 15:11	WG1014254
1,1,2-Trichloroethane	U		0.00788	0.0285	25	08/29/2017 15:11	WG1014254
Trichloroethene	0.461		0.00795	0.0285	25	08/29/2017 16:53	WG1014254
Trichlorofluoromethane	U		0.0109	0.142	25	08/29/2017 15:11	WG1014254
1,2,3-Trichloropropane	U		0.0211	0.0712	25	08/29/2017 15:11	WG1014254
1,2,4-Trimethylbenzene	U		0.00601	0.0285	25	08/29/2017 15:11	WG1014254
1,2,3-Trimethylbenzene	U		0.00818	0.0285	25	08/29/2017 15:11	WG1014254
1,3,5-Trimethylbenzene	U		0.00757	0.0285	25	08/29/2017 15:11	WG1014254
Vinyl acetate	U		0.0681	0.285	25	08/29/2017 15:11	WG1014254
Vinyl chloride	0.0241	J	0.00829	0.0285	25	08/29/2017 15:11	WG1014254
Xylenes, Total	U		0.0198	0.0854	25	08/29/2017 15:11	WG1014254
(S) Toluene-d8	*107*			*80.0-120*		*08/29/2017 16:53*	WG1014254
(S) Toluene-d8	*106*			*80.0-120*		*08/29/2017 15:11*	WG1014254
(S) Dibromofluoromethane	*98.5*			*74.0-131*		*08/29/2017 15:11*	WG1014254
(S) Dibromofluoromethane	*97.0*			*74.0-131*		*08/29/2017 16:53*	WG1014254
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*		*08/29/2017 16:53*	WG1014254
(S) 4-Bromofluorobenzene	*95.1*			*64.0-132*		*08/29/2017 15:11*	WG1014254

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	08/31/2017 12:03	WG1015517

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	10.4		0.0360	0.106	1	08/29/2017 15:53	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*95.1*			*77.0-120*		*08/29/2017 15:53*	WG1014739

Volatile Organic Compounds (GC/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 J0	0.0106	0.0531	1	08/28/2017 16:44	WG1014254
Acrylonitrile	U		0.00190	0.0106	1	08/28/2017 16:44	WG1014254
Benzene	U		0.000287	0.00106	1	08/28/2017 16:44	WG1014254
Bromobenzene	U		0.000302	0.00106	1	08/28/2017 16:44	WG1014254
Bromodichloromethane	U		0.000270	0.00106	1	08/28/2017 16:44	WG1014254
Bromochloromethane	U		0.000414	0.00531	1	08/28/2017 16:44	WG1014254
Bromoform	U		0.000450	0.00106	1	08/28/2017 16:44	WG1014254
Bromomethane	U		0.00142	0.00531	1	08/28/2017 16:44	WG1014254
n-Butylbenzene	0.000805	J	0.000274	0.00106	1	08/28/2017 16:44	WG1014254
sec-Butylbenzene	0.000496	J	0.000213	0.00106	1	08/28/2017 16:44	WG1014254
tert-Butylbenzene	0.000237	J	0.000219	0.00106	1	08/28/2017 16:44	WG1014254
Carbon disulfide	0.00300		0.000235	0.00106	1	08/28/2017 16:44	WG1014254
Carbon tetrachloride	U		0.000348	0.00106	1	08/28/2017 16:44	WG1014254
Chlorobenzene	U		0.000225	0.00106	1	08/28/2017 16:44	WG1014254
Chlorodibromomethane	U		0.000396	0.00106	1	08/28/2017 16:44	WG1014254
Chloroethane	U		0.00100	0.00531	1	08/28/2017 16:44	WG1014254
Chloroform	U		0.000243	0.00531	1	08/28/2017 16:44	WG1014254
Chloromethane	U		0.000398	0.00266	1	08/28/2017 16:44	WG1014254
2-Chlorotoluene	U		0.000320	0.00106	1	08/28/2017 16:44	WG1014254
4-Chlorotoluene	U		0.000255	0.00106	1	08/28/2017 16:44	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00531	1	08/28/2017 16:44	WG1014254
1,2-Dibromoethane	U		0.000364	0.00106	1	08/28/2017 16:44	WG1014254
Dibromomethane	U		0.000406	0.00106	1	08/28/2017 16:44	WG1014254
1,2-Dichlorobenzene	U		0.000324	0.00106	1	08/28/2017 16:44	WG1014254
1,3-Dichlorobenzene	U		0.000254	0.00106	1	08/28/2017 16:44	WG1014254
1,4-Dichlorobenzene	U		0.000240	0.00106	1	08/28/2017 16:44	WG1014254
Dichlorodifluoromethane	U		0.000757	0.00531	1	08/28/2017 16:44	WG1014254
1,1-Dichloroethane	U		0.000211	0.00106	1	08/28/2017 16:44	WG1014254
1,2-Dichloroethane	U		0.000281	0.00106	1	08/28/2017 16:44	WG1014254
1,1-Dichloroethene	0.00227		0.000322	0.00106	1	08/28/2017 16:44	WG1014254
cis-1,2-Dichloroethene	1.98		0.0125	0.0531	50	08/29/2017 13:20	WG1014254
trans-1,2-Dichloroethene	0.00363		0.000280	0.00106	1	08/28/2017 16:44	WG1014254
1,2-Dichloropropane	U		0.000380	0.00106	1	08/28/2017 16:44	WG1014254
1,1-Dichloropropene	U		0.000337	0.00106	1	08/28/2017 16:44	WG1014254
1,3-Dichloropropane	U		0.000220	0.00106	1	08/28/2017 16:44	WG1014254
cis-1,3-Dichloropropene	U		0.000278	0.00106	1	08/28/2017 16:44	WG1014254
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	08/28/2017 16:44	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000826	0.00266	1	08/28/2017 16:44	WG1014254
2,2-Dichloropropane	U		0.000296	0.00106	1	08/28/2017 16:44	WG1014254
Di-isopropyl ether	U		0.000263	0.00106	1	08/28/2017 16:44	WG1014254
Ethylbenzene	U		0.000315	0.00106	1	08/28/2017 16:44	WG1014254
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	08/28/2017 16:44	WG1014254
2-Hexanone	U		0.00146	0.0106	1	08/28/2017 16:44	WG1014254
n-Hexane	U		0.000308	0.0106	1	08/28/2017 16:44	WG1014254

Volatile Organic Compounds (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		0.00269	0.0106	1	08/28/2017 16:44	WG1014254
Isopropylbenzene	0.000278	J	0.000258	0.00106	1	08/28/2017 16:44	WG1014254
p-Isopropyltoluene	0.00354		0.000217	0.00106	1	08/28/2017 16:44	WG1014254
2-Butanone (MEK)	U		0.00497	0.0106	1	08/28/2017 16:44	WG1014254
Methylene Chloride	U		0.00106	0.00531	1	08/28/2017 16:44	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	08/28/2017 16:44	WG1014254
Methyl tert-butyl ether	U		0.000225	0.00106	1	08/28/2017 16:44	WG1014254
Naphthalene	0.00253	J	0.00106	0.00531	1	08/28/2017 16:44	WG1014254
n-Propylbenzene	0.000769	J	0.000219	0.00106	1	08/28/2017 16:44	WG1014254
Styrene	U		0.000249	0.00106	1	08/28/2017 16:44	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	08/28/2017 16:44	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	08/28/2017 16:44	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	08/28/2017 16:44	WG1014254
Tetrachloroethene	109		2.93	10.6	10000	08/29/2017 16:17	WG1014254
Toluene	0.00159	J	0.000461	0.00531	1	08/28/2017 16:44	WG1014254
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	08/28/2017 16:44	WG1014254
1,2,4-Trichlorobenzene	U		0.000412	0.00106	1	08/28/2017 16:44	WG1014254
1,1,1-Trichloroethane	U		0.000304	0.00106	1	08/28/2017 16:44	WG1014254
1,1,2-Trichloroethane	U		0.000294	0.00106	1	08/28/2017 16:44	WG1014254
Trichloroethene	2.90		0.0149	0.0531	50	08/29/2017 13:20	WG1014254
Trichlorofluoromethane	U		0.000406	0.00531	1	08/28/2017 16:44	WG1014254
1,2,3-Trichloropropane	U		0.000787	0.00266	1	08/28/2017 16:44	WG1014254
1,2,4-Trimethylbenzene	0.00350		0.000224	0.00106	1	08/28/2017 16:44	WG1014254
1,2,3-Trimethylbenzene	0.00146		0.000305	0.00106	1	08/28/2017 16:44	WG1014254
1,3,5-Trimethylbenzene	0.00114		0.000283	0.00106	1	08/28/2017 16:44	WG1014254
Vinyl acetate	U		0.00254	0.0106	1	08/28/2017 16:44	WG1014254
Vinyl chloride	0.0430		0.000309	0.00106	1	08/28/2017 16:44	WG1014254
Xylenes, Total	0.00135	J	0.000741	0.00319	1	08/28/2017 16:44	WG1014254
(S) Toluene-d8	*101*			*80.0-120*		*08/28/2017 16:44*	WG1014254
(S) Toluene-d8	*102*			*80.0-120*		*08/29/2017 13:20*	WG1014254
(S) Toluene-d8	*100*			*80.0-120*		*08/29/2017 16:17*	WG1014254
(S) Dibromofluoromethane	*102*			*74.0-131*		*08/28/2017 16:44*	WG1014254
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*08/29/2017 13:20*	WG1014254
(S) Dibromofluoromethane	*100*			*74.0-131*		*08/29/2017 16:17*	WG1014254
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*08/29/2017 16:17*	WG1014254
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*08/29/2017 13:20*	WG1014254
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*08/28/2017 16:44*	WG1014254

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	08/31/2017 12:03	WG1015517

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	0.733		0.0396	0.117	1	08/29/2017 16:15	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*94.4*			*77.0-120*		*08/29/2017 16:15*	WG1014739

Volatile Organic Compounds (GC/MS) 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	0.0584	1	08/28/2017 17:04	WG1014254
Acrylonitrile	U		0.00209	0.0117	1	08/28/2017 17:04	WG1014254
Benzene	U		0.000315	0.00117	1	08/28/2017 17:04	WG1014254
Bromobenzene	U		0.000332	0.00117	1	08/28/2017 17:04	WG1014254
Bromodichloromethane	U		0.000297	0.00117	1	08/28/2017 17:04	WG1014254
Bromochloromethane	U		0.000455	0.00584	1	08/28/2017 17:04	WG1014254
Bromoform	U		0.000495	0.00117	1	08/28/2017 17:04	WG1014254
Bromomethane	U		0.00156	0.00584	1	08/28/2017 17:04	WG1014254
n-Butylbenzene	U		0.000301	0.00117	1	08/28/2017 17:04	WG1014254
sec-Butylbenzene	U		0.000235	0.00117	1	08/28/2017 17:04	WG1014254
tert-Butylbenzene	U		0.000241	0.00117	1	08/28/2017 17:04	WG1014254
Carbon disulfide	U		0.000258	0.00117	1	08/28/2017 17:04	WG1014254
Carbon tetrachloride	U		0.000383	0.00117	1	08/28/2017 17:04	WG1014254
Chlorobenzene	U		0.000248	0.00117	1	08/28/2017 17:04	WG1014254
Chlorodibromomethane	U		0.000435	0.00117	1	08/28/2017 17:04	WG1014254
Chloroethane	U		0.00110	0.00584	1	08/28/2017 17:04	WG1014254
Chloroform	U		0.000267	0.00584	1	08/28/2017 17:04	WG1014254
Chloromethane	U		0.000438	0.00292	1	08/28/2017 17:04	WG1014254
2-Chlorotoluene	U		0.000351	0.00117	1	08/28/2017 17:04	WG1014254
4-Chlorotoluene	U		0.000280	0.00117	1	08/28/2017 17:04	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	08/28/2017 17:04	WG1014254
1,2-Dibromoethane	U		0.000400	0.00117	1	08/28/2017 17:04	WG1014254
Dibromomethane	U		0.000446	0.00117	1	08/28/2017 17:04	WG1014254
1,2-Dichlorobenzene	U		0.000356	0.00117	1	08/28/2017 17:04	WG1014254
1,3-Dichlorobenzene	U		0.000279	0.00117	1	08/28/2017 17:04	WG1014254
1,4-Dichlorobenzene	U		0.000264	0.00117	1	08/28/2017 17:04	WG1014254
Dichlorodifluoromethane	U		0.000832	0.00584	1	08/28/2017 17:04	WG1014254
1,1-Dichloroethane	U		0.000232	0.00117	1	08/28/2017 17:04	WG1014254
1,2-Dichloroethane	U		0.000309	0.00117	1	08/28/2017 17:04	WG1014254
1,1-Dichloroethene	0.000661	J	0.000354	0.00117	1	08/28/2017 17:04	WG1014254
cis-1,2-Dichloroethene	0.154		0.000274	0.00117	1	08/28/2017 17:04	WG1014254
trans-1,2-Dichloroethene	0.000907	J	0.000308	0.00117	1	08/28/2017 17:04	WG1014254
1,2-Dichloropropane	U		0.000418	0.00117	1	08/28/2017 17:04	WG1014254
1,1-Dichloropropene	U		0.000370	0.00117	1	08/28/2017 17:04	WG1014254
1,3-Dichloropropane	U		0.000242	0.00117	1	08/28/2017 17:04	WG1014254
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	08/28/2017 17:04	WG1014254
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	08/28/2017 17:04	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000908	0.00292	1	08/28/2017 17:04	WG1014254
2,2-Dichloropropane	U		0.000326	0.00117	1	08/28/2017 17:04	WG1014254
Di-isopropyl ether	U		0.000290	0.00117	1	08/28/2017 17:04	WG1014254
Ethylbenzene	U		0.000347	0.00117	1	08/28/2017 17:04	WG1014254
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	08/28/2017 17:04	WG1014254
2-Hexanone	U		0.00160	0.0117	1	08/28/2017 17:04	WG1014254
n-Hexane	U		0.000339	0.0117	1	08/28/2017 17:04	WG1014254

Volatile Organic Compounds (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	0.0117	1	08/28/2017 17:04	WG1014254
Isopropylbenzene	U		0.000284	0.00117	1	08/28/2017 17:04	WG1014254
p-Isopropyltoluene	U		0.000238	0.00117	1	08/28/2017 17:04	WG1014254
2-Butanone (MEK)	U		0.00546	0.0117	1	08/28/2017 17:04	WG1014254
Methylene Chloride	U		0.00117	0.00584	1	08/28/2017 17:04	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0117	1	08/28/2017 17:04	WG1014254
Methyl tert-butyl ether	U		0.000248	0.00117	1	08/28/2017 17:04	WG1014254
Naphthalene	U		0.00117	0.00584	1	08/28/2017 17:04	WG1014254
n-Propylbenzene	U		0.000241	0.00117	1	08/28/2017 17:04	WG1014254
Styrene	U		0.000273	0.00117	1	08/28/2017 17:04	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	08/28/2017 17:04	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	08/28/2017 17:04	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	08/28/2017 17:04	WG1014254
Tetrachloroethene	20.1		0.322	1.17	1000	08/29/2017 16:56	WG1014254
Toluene	U		0.000507	0.00584	1	08/28/2017 17:04	WG1014254
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	08/28/2017 17:04	WG1014254
1,2,4-Trichlorobenzene	U		0.000453	0.00117	1	08/28/2017 17:04	WG1014254
1,1,1-Trichloroethane	U		0.000334	0.00117	1	08/28/2017 17:04	WG1014254
1,1,2-Trichloroethane	U		0.000323	0.00117	1	08/28/2017 17:04	WG1014254
Trichloroethene	0.0571		0.000326	0.00117	1	08/28/2017 17:04	WG1014254
Trichlorofluoromethane	U		0.000446	0.00584	1	08/28/2017 17:04	WG1014254
1,2,3-Trichloropropane	U		0.000865	0.00292	1	08/28/2017 17:04	WG1014254
1,2,4-Trimethylbenzene	0.000439	J	0.000246	0.00117	1	08/28/2017 17:04	WG1014254
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	08/28/2017 17:04	WG1014254
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	08/28/2017 17:04	WG1014254
Vinyl acetate	U		0.00279	0.0117	1	08/28/2017 17:04	WG1014254
Vinyl chloride	0.00962		0.000340	0.00117	1	08/28/2017 17:04	WG1014254
Xylenes, Total	U		0.000815	0.00350	1	08/28/2017 17:04	WG1014254
(S) Toluene-d8	*103*			*80.0-120*		*08/29/2017 16:56*	WG1014254
(S) Toluene-d8	*98.2*			*80.0-120*		*08/28/2017 17:04*	WG1014254
(S) Dibromofluoromethane	*103*			*74.0-131*		*08/28/2017 17:04*	WG1014254
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*08/29/2017 16:56*	WG1014254
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*08/28/2017 17:04*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 16:56*	WG1014254

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	08/31/2017 12:03	WG1015517

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	4.34		0.0404	0.119	1	08/29/2017 16:37	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*08/29/2017 16:37*	WG1014739

Volatile Organic Compounds (GC/MS) 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	08/28/2017 17:23	WG1014254
Acrylonitrile	U		0.00213	0.0119	1	08/28/2017 17:23	WG1014254
Benzene	U		0.000322	0.00119	1	08/28/2017 17:23	WG1014254
Bromobenzene	U		0.000339	0.00119	1	08/28/2017 17:23	WG1014254
Bromodichloromethane	U		0.000303	0.00119	1	08/28/2017 17:23	WG1014254
Bromochloromethane	U		0.000465	0.00596	1	08/28/2017 17:23	WG1014254
Bromoform	U		0.000506	0.00119	1	08/28/2017 17:23	WG1014254
Bromomethane	U		0.00160	0.00596	1	08/28/2017 17:23	WG1014254
n-Butylbenzene	U		0.000308	0.00119	1	08/28/2017 17:23	WG1014254
sec-Butylbenzene	U		0.000240	0.00119	1	08/28/2017 17:23	WG1014254
tert-Butylbenzene	U		0.000246	0.00119	1	08/28/2017 17:23	WG1014254
Carbon disulfide	U		0.000264	0.00119	1	08/28/2017 17:23	WG1014254
Carbon tetrachloride	U		0.000391	0.00119	1	08/28/2017 17:23	WG1014254
Chlorobenzene	U		0.000253	0.00119	1	08/28/2017 17:23	WG1014254
Chlorodibromomethane	U		0.000445	0.00119	1	08/28/2017 17:23	WG1014254
Chloroethane	U		0.00113	0.00596	1	08/28/2017 17:23	WG1014254
Chloroform	U		0.000273	0.00596	1	08/28/2017 17:23	WG1014254
Chloromethane	U		0.000447	0.00298	1	08/28/2017 17:23	WG1014254
2-Chlorotoluene	U		0.000359	0.00119	1	08/28/2017 17:23	WG1014254
4-Chlorotoluene	U		0.000286	0.00119	1	08/28/2017 17:23	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	08/28/2017 17:23	WG1014254
1,2-Dibromoethane	U		0.000409	0.00119	1	08/28/2017 17:23	WG1014254
Dibromomethane	U		0.000456	0.00119	1	08/28/2017 17:23	WG1014254
1,2-Dichlorobenzene	U		0.000364	0.00119	1	08/28/2017 17:23	WG1014254
1,3-Dichlorobenzene	U		0.000285	0.00119	1	08/28/2017 17:23	WG1014254
1,4-Dichlorobenzene	U		0.000270	0.00119	1	08/28/2017 17:23	WG1014254
Dichlorodifluoromethane	U		0.000850	0.00596	1	08/28/2017 17:23	WG1014254
1,1-Dichloroethane	U		0.000237	0.00119	1	08/28/2017 17:23	WG1014254
1,2-Dichloroethane	U		0.000316	0.00119	1	08/28/2017 17:23	WG1014254
1,1-Dichloroethene	0.0119		0.000361	0.00119	1	08/28/2017 17:23	WG1014254
cis-1,2-Dichloroethene	12.8		0.147	0.626	525	08/29/2017 17:16	WG1014254
trans-1,2-Dichloroethene	0.00769		0.000315	0.00119	1	08/28/2017 17:23	WG1014254
1,2-Dichloropropane	U		0.000427	0.00119	1	08/28/2017 17:23	WG1014254
1,1-Dichloropropene	U		0.000378	0.00119	1	08/28/2017 17:23	WG1014254
1,3-Dichloropropane	U		0.000247	0.00119	1	08/28/2017 17:23	WG1014254
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	08/28/2017 17:23	WG1014254
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	08/28/2017 17:23	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000928	0.00298	1	08/28/2017 17:23	WG1014254
2,2-Dichloropropane	U		0.000333	0.00119	1	08/28/2017 17:23	WG1014254
Di-isopropyl ether	U		0.000296	0.00119	1	08/28/2017 17:23	WG1014254
Ethylbenzene	U		0.000354	0.00119	1	08/28/2017 17:23	WG1014254
Hexachloro-1,3-butadiene	U		0.000408	0.00119	1	08/28/2017 17:23	WG1014254
2-Hexanone	U		0.00163	0.0119	1	08/28/2017 17:23	WG1014254
n-Hexane	U		0.000346	0.0119	1	08/28/2017 17:23	WG1014254

Volatile Organic Compounds (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		0.00302	0.0119	1	08/28/2017 17:23	WG1014254
Isopropylbenzene	U		0.000290	0.00119	1	08/28/2017 17:23	WG1014254
p-Isopropyltoluene	U		0.000243	0.00119	1	08/28/2017 17:23	WG1014254
2-Butanone (MEK)	U		0.00558	0.0119	1	08/28/2017 17:23	WG1014254
Methylene Chloride	U		0.00119	0.00596	1	08/28/2017 17:23	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	08/28/2017 17:23	WG1014254
Methyl tert-butyl ether	U		0.000253	0.00119	1	08/28/2017 17:23	WG1014254
Naphthalene	U		0.00119	0.00596	1	08/28/2017 17:23	WG1014254
n-Propylbenzene	U		0.000246	0.00119	1	08/28/2017 17:23	WG1014254
Styrene	U		0.000279	0.00119	1	08/28/2017 17:23	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	08/28/2017 17:23	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	08/28/2017 17:23	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	08/28/2017 17:23	WG1014254
Tetrachloroethene	10.6		0.173	0.626	525	08/29/2017 17:16	WG1014254
Toluene	U		0.000518	0.00596	1	08/28/2017 17:23	WG1014254
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	08/28/2017 17:23	WG1014254
1,2,4-Trichlorobenzene	U		0.000463	0.00119	1	08/28/2017 17:23	WG1014254
1,1,1-Trichloroethane	U		0.000341	0.00119	1	08/28/2017 17:23	WG1014254
1,1,2-Trichloroethane	U		0.000330	0.00119	1	08/28/2017 17:23	WG1014254
Trichloroethene	2.71		0.0174	0.0626	52.5	08/29/2017 14:39	WG1014254
Trichlorofluoromethane	U		0.000456	0.00596	1	08/28/2017 17:23	WG1014254
1,2,3-Trichloropropane	U		0.000884	0.00298	1	08/28/2017 17:23	WG1014254
1,2,4-Trimethylbenzene	0.000329	J	0.000252	0.00119	1	08/28/2017 17:23	WG1014254
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	08/28/2017 17:23	WG1014254
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	08/28/2017 17:23	WG1014254
Vinyl acetate	U		0.00285	0.0119	1	08/28/2017 17:23	WG1014254
Vinyl chloride	0.405		0.0182	0.0626	52.5	08/29/2017 14:39	WG1014254
Xylenes, Total	U		0.000832	0.00358	1	08/28/2017 17:23	WG1014254
(S) Toluene-d8	*107*			*80.0-120*		*08/29/2017 14:39*	WG1014254
(S) Toluene-d8	*101*			*80.0-120*		*08/29/2017 17:16*	WG1014254
(S) Toluene-d8	*95.8*			*80.0-120*		*08/28/2017 17:23*	WG1014254
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*08/29/2017 14:39*	WG1014254
(S) Dibromofluoromethane	*105*			*74.0-131*		*08/28/2017 17:23*	WG1014254
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*08/29/2017 17:16*	WG1014254
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*08/29/2017 17:16*	WG1014254
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*08/28/2017 17:23*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 14:39*	WG1014254

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.2		1	08/31/2017 12:03	WG1015517

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	5.09		0.0406	0.120	1.01	08/29/2017 17:00	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*94.8*			*77.0-120*		*08/29/2017 17:00*	WG1014739

Volatile Organic Compounds (GC/MS) 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	0.0594	1	08/28/2017 17:43	WG1014254
Acrylonitrile	U		0.00213	0.0119	1	08/28/2017 17:43	WG1014254
Benzene	U		0.000321	0.00119	1	08/28/2017 17:43	WG1014254
Bromobenzene	U		0.000337	0.00119	1	08/28/2017 17:43	WG1014254
Bromodichloromethane	U		0.000302	0.00119	1	08/28/2017 17:43	WG1014254
Bromochloromethane	U		0.000463	0.00594	1	08/28/2017 17:43	WG1014254
Bromoform	U		0.000503	0.00119	1	08/28/2017 17:43	WG1014254
Bromomethane	U		0.00159	0.00594	1	08/28/2017 17:43	WG1014254
n-Butylbenzene	U		0.000306	0.00119	1	08/28/2017 17:43	WG1014254
sec-Butylbenzene	U		0.000239	0.00119	1	08/28/2017 17:43	WG1014254
tert-Butylbenzene	U		0.000245	0.00119	1	08/28/2017 17:43	WG1014254
Carbon disulfide	0.00207		0.000262	0.00119	1	08/28/2017 17:43	WG1014254
Carbon tetrachloride	U		0.000389	0.00119	1	08/28/2017 17:43	WG1014254
Chlorobenzene	U		0.000252	0.00119	1	08/28/2017 17:43	WG1014254
Chlorodibromomethane	U		0.000443	0.00119	1	08/28/2017 17:43	WG1014254
Chloroethane	U		0.00112	0.00594	1	08/28/2017 17:43	WG1014254
Chloroform	U		0.000272	0.00594	1	08/28/2017 17:43	WG1014254
Chloromethane	U		0.000445	0.00297	1	08/28/2017 17:43	WG1014254
2-Chlorotoluene	U		0.000357	0.00119	1	08/28/2017 17:43	WG1014254
4-Chlorotoluene	U		0.000285	0.00119	1	08/28/2017 17:43	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00594	1	08/28/2017 17:43	WG1014254
1,2-Dibromoethane	U		0.000407	0.00119	1	08/28/2017 17:43	WG1014254
Dibromomethane	U		0.000454	0.00119	1	08/28/2017 17:43	WG1014254
1,2-Dichlorobenzene	U		0.000362	0.00119	1	08/28/2017 17:43	WG1014254
1,3-Dichlorobenzene	U		0.000284	0.00119	1	08/28/2017 17:43	WG1014254
1,4-Dichlorobenzene	U		0.000268	0.00119	1	08/28/2017 17:43	WG1014254
Dichlorodifluoromethane	U		0.000847	0.00594	1	08/28/2017 17:43	WG1014254
1,1-Dichloroethane	U		0.000236	0.00119	1	08/28/2017 17:43	WG1014254
1,2-Dichloroethane	U		0.000315	0.00119	1	08/28/2017 17:43	WG1014254
1,1-Dichloroethene	0.00157		0.000360	0.00119	1	08/28/2017 17:43	WG1014254
cis-1,2-Dichloroethene	5.35		0.0198	0.0843	71	08/29/2017 14:58	WG1014254
trans-1,2-Dichloroethene	0.00859		0.000313	0.00119	1	08/28/2017 17:43	WG1014254
1,2-Dichloropropane	U		0.000425	0.00119	1	08/28/2017 17:43	WG1014254
1,1-Dichloropropene	U		0.000376	0.00119	1	08/28/2017 17:43	WG1014254
1,3-Dichloropropane	U		0.000246	0.00119	1	08/28/2017 17:43	WG1014254
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	08/28/2017 17:43	WG1014254
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	08/28/2017 17:43	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000924	0.00297	1	08/28/2017 17:43	WG1014254
2,2-Dichloropropane	U		0.000331	0.00119	1	08/28/2017 17:43	WG1014254
Di-isopropyl ether	U		0.000294	0.00119	1	08/28/2017 17:43	WG1014254
Ethylbenzene	U		0.000353	0.00119	1	08/28/2017 17:43	WG1014254
Hexachloro-1,3-butadiene	U		0.000406	0.00119	1	08/28/2017 17:43	WG1014254
2-Hexanone	U		0.00163	0.0119	1	08/28/2017 17:43	WG1014254
n-Hexane	U		0.000344	0.0119	1	08/28/2017 17:43	WG1014254

Volatile Organic Compounds (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		0.00300	0.0119	1	08/28/2017 17:43	WG1014254
Isopropylbenzene	U		0.000289	0.00119	1	08/28/2017 17:43	WG1014254
p-Isopropyltoluene	U		0.000242	0.00119	1	08/28/2017 17:43	WG1014254
2-Butanone (MEK)	U		0.00556	0.0119	1	08/28/2017 17:43	WG1014254
Methylene Chloride	U		0.00119	0.00594	1	08/28/2017 17:43	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	08/28/2017 17:43	WG1014254
Methyl tert-butyl ether	U		0.000252	0.00119	1	08/28/2017 17:43	WG1014254
Naphthalene	U		0.00119	0.00594	1	08/28/2017 17:43	WG1014254
n-Propylbenzene	U		0.000245	0.00119	1	08/28/2017 17:43	WG1014254
Styrene	U		0.000278	0.00119	1	08/28/2017 17:43	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000313	0.00119	1	08/28/2017 17:43	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000433	0.00119	1	08/28/2017 17:43	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000433	0.00119	1	08/28/2017 17:43	WG1014254
Tetrachloroethene	69.7		2.33	8.43	7100	08/29/2017 17:35	WG1014254
Toluene	U		0.000515	0.00594	1	08/28/2017 17:43	WG1014254
1,2,3-Trichlorobenzene	U		0.000363	0.00119	1	08/28/2017 17:43	WG1014254
1,2,4-Trichlorobenzene	U		0.000461	0.00119	1	08/28/2017 17:43	WG1014254
1,1,1-Trichloroethane	U		0.000340	0.00119	1	08/28/2017 17:43	WG1014254
1,1,2-Trichloroethane	U		0.000329	0.00119	1	08/28/2017 17:43	WG1014254
Trichloroethene	3.10		0.0235	0.0843	71	08/29/2017 14:58	WG1014254
Trichlorofluoromethane	U		0.000454	0.00594	1	08/28/2017 17:43	WG1014254
1,2,3-Trichloropropane	U		0.000880	0.00297	1	08/28/2017 17:43	WG1014254
1,2,4-Trimethylbenzene	0.000717	J	0.000251	0.00119	1	08/28/2017 17:43	WG1014254
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	08/28/2017 17:43	WG1014254
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	08/28/2017 17:43	WG1014254
Vinyl acetate	U		0.00284	0.0119	1	08/28/2017 17:43	WG1014254
Vinyl chloride	0.00963		0.000345	0.00119	1	08/28/2017 17:43	WG1014254
Xylenes, Total	U		0.000829	0.00356	1	08/28/2017 17:43	WG1014254
(S) Toluene-d8	*103*			*80.0-120*		*08/29/2017 17:35*	WG1014254
(S) Toluene-d8	*98.7*			*80.0-120*		*08/28/2017 17:43*	WG1014254
(S) Toluene-d8	*105*			*80.0-120*		*08/29/2017 14:58*	WG1014254
(S) Dibromofluoromethane	*100*			*74.0-131*		*08/29/2017 14:58*	WG1014254
(S) Dibromofluoromethane	*107*			*74.0-131*		*08/28/2017 17:43*	WG1014254
(S) Dibromofluoromethane	*99.7*			*74.0-131*		*08/29/2017 17:35*	WG1014254
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*08/29/2017 17:35*	WG1014254
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*08/28/2017 17:43*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 14:58*	WG1014254

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	08/31/2017 12:03	WG1015517

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	0.157		0.0368	0.109	1	08/29/2017 17:22	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*77.0-120*		*08/29/2017 17:22*	WG1014739

Volatile Organic Compounds (GC/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 JO	0.0109	0.0543	1	08/28/2017 18:03	WG1014254
Acrylonitrile	U		0.00194	0.0109	1	08/28/2017 18:03	WG1014254
Benzene	U		0.000293	0.00109	1	08/28/2017 18:03	WG1014254
Bromobenzene	U		0.000309	0.00109	1	08/28/2017 18:03	WG1014254
Bromodichloromethane	U		0.000276	0.00109	1	08/28/2017 18:03	WG1014254
Bromochloromethane	U		0.000424	0.00543	1	08/28/2017 18:03	WG1014254
Bromoform	U		0.000461	0.00109	1	08/28/2017 18:03	WG1014254
Bromomethane	U		0.00146	0.00543	1	08/28/2017 18:03	WG1014254
n-Butylbenzene	U		0.000280	0.00109	1	08/28/2017 18:03	WG1014254
sec-Butylbenzene	U		0.000218	0.00109	1	08/28/2017 18:03	WG1014254
tert-Butylbenzene	U		0.000224	0.00109	1	08/28/2017 18:03	WG1014254
Carbon disulfide	0.00114		0.000240	0.00109	1	08/28/2017 18:03	WG1014254
Carbon tetrachloride	U		0.000356	0.00109	1	08/28/2017 18:03	WG1014254
Chlorobenzene	U		0.000230	0.00109	1	08/28/2017 18:03	WG1014254
Chlorodibromomethane	U		0.000405	0.00109	1	08/28/2017 18:03	WG1014254
Chloroethane	U		0.00103	0.00543	1	08/28/2017 18:03	WG1014254
Chloroform	U		0.000249	0.00543	1	08/28/2017 18:03	WG1014254
Chloromethane	U		0.000407	0.00272	1	08/28/2017 18:03	WG1014254
2-Chlorotoluene	U		0.000327	0.00109	1	08/28/2017 18:03	WG1014254
4-Chlorotoluene	U		0.000261	0.00109	1	08/28/2017 18:03	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	08/28/2017 18:03	WG1014254
1,2-Dibromoethane	U		0.000373	0.00109	1	08/28/2017 18:03	WG1014254
Dibromomethane	U		0.000415	0.00109	1	08/28/2017 18:03	WG1014254
1,2-Dichlorobenzene	U		0.000331	0.00109	1	08/28/2017 18:03	WG1014254
1,3-Dichlorobenzene	U		0.000260	0.00109	1	08/28/2017 18:03	WG1014254
1,4-Dichlorobenzene	U		0.000246	0.00109	1	08/28/2017 18:03	WG1014254
Dichlorodifluoromethane	U		0.000775	0.00543	1	08/28/2017 18:03	WG1014254
1,1-Dichloroethane	U		0.000216	0.00109	1	08/28/2017 18:03	WG1014254
1,2-Dichloroethane	U		0.000288	0.00109	1	08/28/2017 18:03	WG1014254
1,1-Dichloroethene	U		0.000329	0.00109	1	08/28/2017 18:03	WG1014254
cis-1,2-Dichloroethene	0.0594		0.00759	0.0323	29.75	08/29/2017 15:18	WG1014254
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	08/28/2017 18:03	WG1014254
1,2-Dichloropropane	U		0.000389	0.00109	1	08/28/2017 18:03	WG1014254
1,1-Dichloropropene	U		0.000344	0.00109	1	08/28/2017 18:03	WG1014254
1,3-Dichloropropane	U		0.000225	0.00109	1	08/28/2017 18:03	WG1014254
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	08/28/2017 18:03	WG1014254
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	08/28/2017 18:03	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000845	0.00272	1	08/28/2017 18:03	WG1014254
2,2-Dichloropropane	U		0.000303	0.00109	1	08/28/2017 18:03	WG1014254
Di-isopropyl ether	U		0.000269	0.00109	1	08/28/2017 18:03	WG1014254
Ethylbenzene	U		0.000323	0.00109	1	08/28/2017 18:03	WG1014254
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	08/28/2017 18:03	WG1014254
2-Hexanone	U		0.00149	0.0109	1	08/28/2017 18:03	WG1014254
n-Hexane	0.00123	J	0.000315	0.0109	1	08/28/2017 18:03	WG1014254

Volatile Organic Compounds (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		0.00275	0.0109	1	08/28/2017 18:03	WG1014254
Isopropylbenzene	U		0.000264	0.00109	1	08/28/2017 18:03	WG1014254
p-Isopropyltoluene	U		0.000222	0.00109	1	08/28/2017 18:03	WG1014254
2-Butanone (MEK)	U		0.00508	0.0109	1	08/28/2017 18:03	WG1014254
Methylene Chloride	U		0.00109	0.00543	1	08/28/2017 18:03	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	08/28/2017 18:03	WG1014254
Methyl tert-butyl ether	U		0.000230	0.00109	1	08/28/2017 18:03	WG1014254
Naphthalene	U		0.00109	0.00543	1	08/28/2017 18:03	WG1014254
n-Propylbenzene	U		0.000224	0.00109	1	08/28/2017 18:03	WG1014254
Styrene	U		0.000254	0.00109	1	08/28/2017 18:03	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	08/28/2017 18:03	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	08/28/2017 18:03	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	08/28/2017 18:03	WG1014254
Tetrachloroethene	8.68		0.178	0.646	595	08/29/2017 17:55	WG1014254
Toluene	U		0.000471	0.00543	1	08/28/2017 18:03	WG1014254
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	08/28/2017 18:03	WG1014254
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	08/28/2017 18:03	WG1014254
1,1,1-Trichloroethane	U		0.000311	0.00109	1	08/28/2017 18:03	WG1014254
1,1,2-Trichloroethane	U		0.000301	0.00109	1	08/28/2017 18:03	WG1014254
Trichloroethene	0.0673		0.00902	0.0323	29.75	08/29/2017 15:18	WG1014254
Trichlorofluoromethane	U		0.000415	0.00543	1	08/28/2017 18:03	WG1014254
1,2,3-Trichloropropane	U		0.000805	0.00272	1	08/28/2017 18:03	WG1014254
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	08/28/2017 18:03	WG1014254
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	08/28/2017 18:03	WG1014254
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	08/28/2017 18:03	WG1014254
Vinyl acetate	U		0.00260	0.0109	1	08/28/2017 18:03	WG1014254
Vinyl chloride	0.00105	J	0.000316	0.00109	1	08/28/2017 18:03	WG1014254
Xylenes, Total	U		0.000758	0.00326	1	08/28/2017 18:03	WG1014254
(S) Toluene-d8	*96.3*			*80.0-120*		*08/29/2017 15:18*	WG1014254
(S) Toluene-d8	*98.9*			*80.0-120*		*08/28/2017 18:03*	WG1014254
(S) Toluene-d8	*102*			*80.0-120*		*08/29/2017 17:55*	WG1014254
(S) Dibromofluoromethane	*108*			*74.0-131*		*08/28/2017 18:03*	WG1014254
(S) Dibromofluoromethane	*100*			*74.0-131*		*08/29/2017 15:18*	WG1014254
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*08/29/2017 17:55*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 15:18*	WG1014254
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*08/29/2017 17:55*	WG1014254
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*08/28/2017 18:03*	WG1014254

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	08/31/2017 10:33	WG1015137

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0135	J J0	0.0113	0.0565	1	08/28/2017 18:22	WG1014254
Acrylonitrile	U		0.00202	0.0113	1	08/28/2017 18:22	WG1014254
Benzene	U		0.000305	0.00113	1	08/28/2017 18:22	WG1014254
Bromobenzene	U		0.000321	0.00113	1	08/28/2017 18:22	WG1014254
Bromodichloromethane	U		0.000287	0.00113	1	08/28/2017 18:22	WG1014254
Bromochloromethane	U		0.000441	0.00565	1	08/28/2017 18:22	WG1014254
Bromoform	U		0.000480	0.00113	1	08/28/2017 18:22	WG1014254
Bromomethane	U		0.00152	0.00565	1	08/28/2017 18:22	WG1014254
n-Butylbenzene	U		0.000292	0.00113	1	08/28/2017 18:22	WG1014254
sec-Butylbenzene	U		0.000227	0.00113	1	08/28/2017 18:22	WG1014254
tert-Butylbenzene	U		0.000233	0.00113	1	08/28/2017 18:22	WG1014254
Carbon disulfide	0.000864	J	0.000250	0.00113	1	08/28/2017 18:22	WG1014254
Carbon tetrachloride	U		0.000371	0.00113	1	08/28/2017 18:22	WG1014254
Chlorobenzene	U		0.000240	0.00113	1	08/28/2017 18:22	WG1014254
Chlorodibromomethane	U		0.000422	0.00113	1	08/28/2017 18:22	WG1014254
Chloroethane	U		0.00107	0.00565	1	08/28/2017 18:22	WG1014254
Chloroform	U		0.000259	0.00565	1	08/28/2017 18:22	WG1014254
Chloromethane	U		0.000424	0.00283	1	08/28/2017 18:22	WG1014254
2-Chlorotoluene	U		0.000340	0.00113	1	08/28/2017 18:22	WG1014254
4-Chlorotoluene	U		0.000271	0.00113	1	08/28/2017 18:22	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	08/28/2017 18:22	WG1014254
1,2-Dibromoethane	U		0.000388	0.00113	1	08/28/2017 18:22	WG1014254
Dibromomethane	U		0.000432	0.00113	1	08/28/2017 18:22	WG1014254
1,2-Dichlorobenzene	U		0.000345	0.00113	1	08/28/2017 18:22	WG1014254
1,3-Dichlorobenzene	U		0.000270	0.00113	1	08/28/2017 18:22	WG1014254
1,4-Dichlorobenzene	U		0.000256	0.00113	1	08/28/2017 18:22	WG1014254
Dichlorodifluoromethane	U		0.000806	0.00565	1	08/28/2017 18:22	WG1014254
1,1-Dichloroethane	U		0.000225	0.00113	1	08/28/2017 18:22	WG1014254
1,2-Dichloroethane	U		0.000300	0.00113	1	08/28/2017 18:22	WG1014254
1,1-Dichloroethene	0.000572	J	0.000343	0.00113	1	08/28/2017 18:22	WG1014254
cis-1,2-Dichloroethene	0.152		0.000266	0.00113	1	08/28/2017 18:22	WG1014254
trans-1,2-Dichloroethene	0.00577		0.000299	0.00113	1	08/28/2017 18:22	WG1014254
1,2-Dichloropropane	U		0.000405	0.00113	1	08/28/2017 18:22	WG1014254
1,1-Dichloropropene	U		0.000359	0.00113	1	08/28/2017 18:22	WG1014254
1,3-Dichloropropane	U		0.000234	0.00113	1	08/28/2017 18:22	WG1014254
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	08/28/2017 18:22	WG1014254
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	08/28/2017 18:22	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	08/28/2017 18:22	WG1014254
2,2-Dichloropropane	U		0.000316	0.00113	1	08/28/2017 18:22	WG1014254
Di-isopropyl ether	U		0.000280	0.00113	1	08/28/2017 18:22	WG1014254
Ethylbenzene	U		0.000336	0.00113	1	08/28/2017 18:22	WG1014254
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	08/28/2017 18:22	WG1014254
2-Hexanone	U		0.00155	0.0113	1	08/28/2017 18:22	WG1014254
n-Hexane	0.000628	J	0.000328	0.0113	1	08/28/2017 18:22	WG1014254
Iodomethane	U		0.00286	0.0113	1	08/28/2017 18:22	WG1014254
Isopropylbenzene	U		0.000275	0.00113	1	08/28/2017 18:22	WG1014254
p-Isopropyltoluene	U		0.000231	0.00113	1	08/28/2017 18:22	WG1014254
2-Butanone (MEK)	U		0.00529	0.0113	1	08/28/2017 18:22	WG1014254
Methylene Chloride	U		0.00113	0.00565	1	08/28/2017 18:22	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	08/28/2017 18:22	WG1014254

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

Analyte	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	08/28/2017 18:22	WG1014254
Naphthalene	U		0.00113	0.00565	1	08/28/2017 18:22	WG1014254
n-Propylbenzene	U		0.000233	0.00113	1	08/28/2017 18:22	WG1014254
Styrene	U		0.000265	0.00113	1	08/28/2017 18:22	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	08/28/2017 18:22	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	08/28/2017 18:22	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	08/28/2017 18:22	WG1014254
Tetrachloroethene	0.407		0.00780	0.0283	25	08/29/2017 18:14	WG1014254
Toluene	U		0.000491	0.00565	1	08/28/2017 18:22	WG1014254
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	08/28/2017 18:22	WG1014254
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	08/28/2017 18:22	WG1014254
1,1,1-Trichloroethane	U		0.000323	0.00113	1	08/28/2017 18:22	WG1014254
1,1,2-Trichloroethane	U		0.000313	0.00113	1	08/28/2017 18:22	WG1014254
Trichloroethene	0.00118		0.000316	0.00113	1	08/29/2017 15:38	WG1014254
Trichlorofluoromethane	U		0.000432	0.00565	1	08/28/2017 18:22	WG1014254
1,2,3-Trichloropropane	U		0.000838	0.00283	1	08/28/2017 18:22	WG1014254
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	08/28/2017 18:22	WG1014254
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	08/28/2017 18:22	WG1014254
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	08/28/2017 18:22	WG1014254
Vinyl acetate	U		0.00270	0.0113	1	08/28/2017 18:22	WG1014254
Vinyl chloride	0.00719		0.000329	0.00113	1	08/28/2017 18:22	WG1014254
Xylenes, Total	U		0.000789	0.00339	1	08/28/2017 18:22	WG1014254
(S) Toluene-d8	*93.6*			*80.0-120*		*08/29/2017 15:38*	WG1014254
(S) Toluene-d8	*98.1*			*80.0-120*		*08/29/2017 18:14*	WG1014254
(S) Toluene-d8	*96.3*			*80.0-120*		*08/28/2017 18:22*	WG1014254
(S) Dibromofluoromethane	*103*			*74.0-131*		*08/29/2017 15:38*	WG1014254
(S) Dibromofluoromethane	*102*			*74.0-131*		*08/29/2017 18:14*	WG1014254
(S) Dibromofluoromethane	*109*			*74.0-131*		*08/28/2017 18:22*	WG1014254
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*08/29/2017 18:14*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/28/2017 18:22*	WG1014254
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*08/29/2017 15:38*	WG1014254

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.6		1	08/30/2017 16:41	WG1015141

Volatile Organic Compounds (GC/MS) 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	0.0591	1	08/28/2017 18:42	WG1014254
Acrylonitrile	U		0.00212	0.0118	1	08/28/2017 18:42	WG1014254
Benzene	U		0.000319	0.00118	1	08/28/2017 18:42	WG1014254
Bromobenzene	U		0.000336	0.00118	1	08/28/2017 18:42	WG1014254
Bromodichloromethane	U		0.000300	0.00118	1	08/28/2017 18:42	WG1014254
Bromochloromethane	U		0.000461	0.00591	1	08/28/2017 18:42	WG1014254
Bromoform	U		0.000501	0.00118	1	08/28/2017 18:42	WG1014254
Bromomethane	U		0.00158	0.00591	1	08/28/2017 18:42	WG1014254
n-Butylbenzene	U		0.000305	0.00118	1	08/28/2017 18:42	WG1014254
sec-Butylbenzene	U		0.000238	0.00118	1	08/28/2017 18:42	WG1014254
tert-Butylbenzene	U		0.000243	0.00118	1	08/28/2017 18:42	WG1014254
Carbon disulfide	U		0.000261	0.00118	1	08/28/2017 18:42	WG1014254
Carbon tetrachloride	U		0.000388	0.00118	1	08/28/2017 18:42	WG1014254
Chlorobenzene	U		0.000251	0.00118	1	08/28/2017 18:42	WG1014254
Chlorodibromomethane	U		0.000441	0.00118	1	08/28/2017 18:42	WG1014254
Chloroethane	U		0.00112	0.00591	1	08/28/2017 18:42	WG1014254
Chloroform	U		0.000271	0.00591	1	08/28/2017 18:42	WG1014254
Chloromethane	U		0.000443	0.00295	1	08/28/2017 18:42	WG1014254
2-Chlorotoluene	U		0.000356	0.00118	1	08/28/2017 18:42	WG1014254
4-Chlorotoluene	U		0.000284	0.00118	1	08/28/2017 18:42	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00591	1	08/28/2017 18:42	WG1014254
1,2-Dibromoethane	U		0.000405	0.00118	1	08/28/2017 18:42	WG1014254
Dibromomethane	U		0.000451	0.00118	1	08/28/2017 18:42	WG1014254
1,2-Dichlorobenzene	U		0.000360	0.00118	1	08/28/2017 18:42	WG1014254
1,3-Dichlorobenzene	U		0.000282	0.00118	1	08/28/2017 18:42	WG1014254
1,4-Dichlorobenzene	U		0.000267	0.00118	1	08/28/2017 18:42	WG1014254
Dichlorodifluoromethane	U		0.000843	0.00591	1	08/28/2017 18:42	WG1014254
1,1-Dichloroethane	U		0.000235	0.00118	1	08/28/2017 18:42	WG1014254
1,2-Dichloroethane	U		0.000313	0.00118	1	08/28/2017 18:42	WG1014254
1,1-Dichloroethene	0.00125		0.000358	0.00118	1	08/28/2017 18:42	WG1014254
cis-1,2-Dichloroethene	0.0257		0.000278	0.00118	1	08/28/2017 18:42	WG1014254
trans-1,2-Dichloroethene	0.000708	J	0.000312	0.00118	1	08/28/2017 18:42	WG1014254
1,2-Dichloropropane	U		0.000423	0.00118	1	08/28/2017 18:42	WG1014254
1,1-Dichloropropene	U		0.000375	0.00118	1	08/28/2017 18:42	WG1014254
1,3-Dichloropropane	U		0.000245	0.00118	1	08/28/2017 18:42	WG1014254
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	08/28/2017 18:42	WG1014254
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	08/28/2017 18:42	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000920	0.00295	1	08/28/2017 18:42	WG1014254
2,2-Dichloropropane	U		0.000330	0.00118	1	08/28/2017 18:42	WG1014254
Di-isopropyl ether	U		0.000293	0.00118	1	08/28/2017 18:42	WG1014254
Ethylbenzene	U		0.000351	0.00118	1	08/28/2017 18:42	WG1014254
Hexachloro-1,3-butadiene	U		0.000404	0.00118	1	08/28/2017 18:42	WG1014254
2-Hexanone	U		0.00162	0.0118	1	08/28/2017 18:42	WG1014254
n-Hexane	U		0.000343	0.0118	1	08/28/2017 18:42	WG1014254
Iodomethane	U		0.00299	0.0118	1	08/28/2017 18:42	WG1014254
Isopropylbenzene	U		0.000287	0.00118	1	08/28/2017 18:42	WG1014254
p-Isopropyltoluene	U		0.000241	0.00118	1	08/28/2017 18:42	WG1014254
2-Butanone (MEK)	U		0.00553	0.0118	1	08/28/2017 18:42	WG1014254
Methylene Chloride	U		0.00118	0.00591	1	08/28/2017 18:42	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	08/28/2017 18:42	WG1014254

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

Analyte	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	08/28/2017 18:42	WG1014254
Naphthalene	U		0.00118	0.00591	1	08/28/2017 18:42	WG1014254
n-Propylbenzene	U		0.000243	0.00118	1	08/28/2017 18:42	WG1014254
Styrene	U		0.000277	0.00118	1	08/28/2017 18:42	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	08/28/2017 18:42	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	08/28/2017 18:42	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	08/28/2017 18:42	WG1014254
Tetrachloroethene	U		0.00816	0.0295	25	08/29/2017 18:34	WG1014254
Toluene	U		0.000513	0.00591	1	08/28/2017 18:42	WG1014254
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	08/28/2017 18:42	WG1014254
1,2,4-Trichlorobenzene	U		0.000459	0.00118	1	08/28/2017 18:42	WG1014254
1,1,1-Trichloroethane	U		0.000338	0.00118	1	08/28/2017 18:42	WG1014254
1,1,2-Trichloroethane	U		0.000327	0.00118	1	08/28/2017 18:42	WG1014254
Trichloroethene	0.000689	J	0.000330	0.00118	1	08/29/2017 15:57	WG1014254
Trichlorofluoromethane	U		0.000451	0.00591	1	08/28/2017 18:42	WG1014254
1,2,3-Trichloropropane	U		0.000876	0.00295	1	08/28/2017 18:42	WG1014254
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	08/28/2017 18:42	WG1014254
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	08/28/2017 18:42	WG1014254
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	08/28/2017 18:42	WG1014254
Vinyl acetate	U		0.00282	0.0118	1	08/28/2017 18:42	WG1014254
Vinyl chloride	0.00270		0.000344	0.00118	1	08/28/2017 18:42	WG1014254
Xylenes, Total	U		0.000825	0.00355	1	08/28/2017 18:42	WG1014254
(S) Toluene-d8	*107*			*80.0-120*		*08/29/2017 18:34*	WG1014254
(S) Toluene-d8	*97.0*			*80.0-120*		*08/28/2017 18:42*	WG1014254
(S) Toluene-d8	*93.8*			*80.0-120*		*08/29/2017 15:57*	WG1014254
(S) Dibromofluoromethane	*106*			*74.0-131*		*08/28/2017 18:42*	WG1014254
(S) Dibromofluoromethane	*104*			*74.0-131*		*08/29/2017 15:57*	WG1014254
(S) Dibromofluoromethane	*101*			*74.0-131*		*08/29/2017 18:34*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/28/2017 18:42*	WG1014254
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*08/29/2017 18:34*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 15:57*	WG1014254

Sample Narrative:

L932059-09 WG1014254: No stir bars remain for analysis.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	08/30/2017 16:41	WG1015141

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0123	J J0	0.0109	0.0544	1	08/28/2017 19:01	WG1014254
Acrylonitrile	U		0.00195	0.0109	1	08/28/2017 19:01	WG1014254
Benzene	U		0.000294	0.00109	1	08/28/2017 19:01	WG1014254
Bromobenzene	U		0.000309	0.00109	1	08/28/2017 19:01	WG1014254
Bromodichloromethane	U		0.000276	0.00109	1	08/28/2017 19:01	WG1014254
Bromochloromethane	U		0.000424	0.00544	1	08/28/2017 19:01	WG1014254
Bromoform	U		0.000461	0.00109	1	08/28/2017 19:01	WG1014254
Bromomethane	U		0.00146	0.00544	1	08/28/2017 19:01	WG1014254
n-Butylbenzene	U		0.000281	0.00109	1	08/28/2017 19:01	WG1014254
sec-Butylbenzene	U		0.000219	0.00109	1	08/28/2017 19:01	WG1014254
tert-Butylbenzene	U		0.000224	0.00109	1	08/28/2017 19:01	WG1014254
Carbon disulfide	0.00136		0.000240	0.00109	1	08/28/2017 19:01	WG1014254
Carbon tetrachloride	U		0.000357	0.00109	1	08/28/2017 19:01	WG1014254
Chlorobenzene	U		0.000231	0.00109	1	08/28/2017 19:01	WG1014254
Chlorodibromomethane	U		0.000406	0.00109	1	08/28/2017 19:01	WG1014254
Chloroethane	U		0.00103	0.00544	1	08/28/2017 19:01	WG1014254
Chloroform	U		0.000249	0.00544	1	08/28/2017 19:01	WG1014254
Chloromethane	U		0.000408	0.00272	1	08/28/2017 19:01	WG1014254
2-Chlorotoluene	U		0.000328	0.00109	1	08/28/2017 19:01	WG1014254
4-Chlorotoluene	U		0.000261	0.00109	1	08/28/2017 19:01	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	08/28/2017 19:01	WG1014254
1,2-Dibromoethane	U		0.000373	0.00109	1	08/28/2017 19:01	WG1014254
Dibromomethane	U		0.000416	0.00109	1	08/28/2017 19:01	WG1014254
1,2-Dichlorobenzene	U		0.000332	0.00109	1	08/28/2017 19:01	WG1014254
1,3-Dichlorobenzene	U		0.000260	0.00109	1	08/28/2017 19:01	WG1014254
1,4-Dichlorobenzene	U		0.000246	0.00109	1	08/28/2017 19:01	WG1014254
Dichlorodifluoromethane	U		0.000776	0.00544	1	08/28/2017 19:01	WG1014254
1,1-Dichloroethane	U		0.000217	0.00109	1	08/28/2017 19:01	WG1014254
1,2-Dichloroethane	U		0.000288	0.00109	1	08/28/2017 19:01	WG1014254
1,1-Dichloroethene	0.000656	J	0.000330	0.00109	1	08/28/2017 19:01	WG1014254
cis-1,2-Dichloroethene	0.160		0.000256	0.00109	1	08/28/2017 19:01	WG1014254
trans-1,2-Dichloroethene	0.00656		0.000287	0.00109	1	08/28/2017 19:01	WG1014254
1,2-Dichloropropane	U		0.000390	0.00109	1	08/28/2017 19:01	WG1014254
1,1-Dichloropropene	U		0.000345	0.00109	1	08/28/2017 19:01	WG1014254
1,3-Dichloropropane	U		0.000225	0.00109	1	08/28/2017 19:01	WG1014254
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	08/28/2017 19:01	WG1014254
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	08/28/2017 19:01	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	08/28/2017 19:01	WG1014254
2,2-Dichloropropane	U		0.000304	0.00109	1	08/28/2017 19:01	WG1014254
Di-isopropyl ether	U		0.000270	0.00109	1	08/28/2017 19:01	WG1014254
Ethylbenzene	U		0.000323	0.00109	1	08/28/2017 19:01	WG1014254
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	08/28/2017 19:01	WG1014254
2-Hexanone	U		0.00149	0.0109	1	08/28/2017 19:01	WG1014254
n-Hexane	0.000803	J	0.000316	0.0109	1	08/28/2017 19:01	WG1014254
Iodomethane	U		0.00275	0.0109	1	08/28/2017 19:01	WG1014254
Isopropylbenzene	U		0.000264	0.00109	1	08/28/2017 19:01	WG1014254
p-Isopropyltoluene	U		0.000222	0.00109	1	08/28/2017 19:01	WG1014254
2-Butanone (MEK)	U		0.00509	0.0109	1	08/28/2017 19:01	WG1014254
Methylene Chloride	U		0.00109	0.00544	1	08/28/2017 19:01	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	08/28/2017 19:01	WG1014254

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		0.000231	0.00109	1	08/28/2017 19:01	WG1014254
Naphthalene	U		0.00109	0.00544	1	08/28/2017 19:01	WG1014254
n-Propylbenzene	U		0.000224	0.00109	1	08/28/2017 19:01	WG1014254
Styrene	U		0.000255	0.00109	1	08/28/2017 19:01	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	08/28/2017 19:01	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	08/28/2017 19:01	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	08/28/2017 19:01	WG1014254
Tetrachloroethene	0.0109		0.000300	0.00109	1	08/28/2017 19:01	WG1014254
Toluene	U		0.000472	0.00544	1	08/28/2017 19:01	WG1014254
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	08/28/2017 19:01	WG1014254
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	08/28/2017 19:01	WG1014254
1,1,1-Trichloroethane	U		0.000311	0.00109	1	08/28/2017 19:01	WG1014254
1,1,2-Trichloroethane	U		0.000301	0.00109	1	08/28/2017 19:01	WG1014254
Trichloroethene	0.00162		0.000304	0.00109	1	08/28/2017 19:01	WG1014254
Trichlorofluoromethane	U		0.000416	0.00544	1	08/28/2017 19:01	WG1014254
1,2,3-Trichloropropane	U		0.000806	0.00272	1	08/28/2017 19:01	WG1014254
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	08/28/2017 19:01	WG1014254
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	08/28/2017 19:01	WG1014254
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	08/28/2017 19:01	WG1014254
Vinyl acetate	U		0.00260	0.0109	1	08/28/2017 19:01	WG1014254
Vinyl chloride	0.00719		0.000317	0.00109	1	08/28/2017 19:01	WG1014254
Xylenes, Total	U		0.000760	0.00326	1	08/28/2017 19:01	WG1014254
(S) Toluene-d8	*97.2*			*80.0-120*		*08/28/2017 19:01*	WG1014254
(S) Dibromofluoromethane	*107*			*74.0-131*		*08/28/2017 19:01*	WG1014254
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*08/28/2017 19:01*	WG1014254

Method Blank (MB)

(MB) R3246215-1 08/31/17 10:33

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000800			

L932066-01 Original Sample (OS) • Duplicate (DUP)

(OS) L932066-01 08/31/17 10:33 • (DUP) R3246215-3 08/31/17 10:33

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.7	82.7	1	2.46		5

Laboratory Control Sample (LCS)

(LCS) R3246215-2 08/31/17 10:33

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) R3245886-1 08/30/17 16:41

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00130			

L932059-09 Original Sample (OS) • Duplicate (DUP)

(OS) L932059-09 08/30/17 16:41 • (DUP) R3245886-3 08/30/17 16:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.6	85.0	1	0.462		5

Laboratory Control Sample (LCS)

(LCS) R3245886-2 08/30/17 16:41

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) R3246231-1 08/31/17 12:03

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000800			

L932032-09 Original Sample (OS) • Duplicate (DUP)

(OS) L932032-09 08/31/17 12:03 • (DUP) R3246231-3 08/31/17 12:03

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.2	87.4	1	0.883		5

Laboratory Control Sample (LCS)

(LCS) R3246231-2 08/31/17 12:03

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

Method Blank (MB)

(MB) R3245529-3 08/29/17 11:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.0*			*77.0-120*

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

(LCS) R3245529-1 08/29/17 10:48 • (LCSD) R3245529-2 08/29/17 11:10

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	4.88	5.02	88.8	91.3	70.0-133			2.75	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*108*	*77.0-120*				

L932007-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932007-01 08/29/17 14:46 • (MS) R3245529-4 08/29/17 19:35 • (MSD) R3245529-5 08/29/17 19:57

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	6.93	ND	112	105	64.4	60.8	25	10.0-146			5.75	30
(S) a,a,a-Trifluorotoluene(FID)					*104*	*104*		*77.0-120*				

Sample Narrative:

OS: No stir bars remain for analysis.

Method Blank (MB)

(MB) R3245209-3 08/28/17 11:17

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) R3245209-3 08/28/17 11:17

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	*100*			*80.0-120*
(S) Dibromofluoromethane	*102*			*74.0-131*
(S) 4-Bromofluorobenzene	*108*			*64.0-132*

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

(LCS) R3245209-1 08/28/17 10:18 • (LCSD) R3245209-2 08/28/17 10:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.168	0.173	134	138	11.0-160			2.90	23
Acrylonitrile	0.125	0.127	0.129	102	103	61.0-143			1.48	20
Benzene	0.0250	0.0265	0.0262	106	105	71.0-124			1.18	20
Bromobenzene	0.0250	0.0256	0.0250	102	100	78.0-120			2.13	20
Bromodichloromethane	0.0250	0.0259	0.0260	103	104	75.0-120			0.520	20
Bromochloromethane	0.0250	0.0262	0.0273	105	109	80.0-121			4.11	20
Bromoform	0.0250	0.0257	0.0263	103	105	65.0-133			2.16	20
Bromomethane	0.0250	0.0272	0.0280	109	112	26.0-160			2.83	20
n-Butylbenzene	0.0250	0.0281	0.0285	112	114	73.0-126			1.56	20
sec-Butylbenzene	0.0250	0.0277	0.0280	111	112	75.0-121			1.17	20
tert-Butylbenzene	0.0250	0.0279	0.0278	112	111	74.0-122			0.520	20
Carbon disulfide	0.0250	0.0243	0.0230	97.3	92.0	53.0-130			5.53	20
Carbon tetrachloride	0.0250	0.0254	0.0255	102	102	66.0-123			0.350	20
Chlorobenzene	0.0250	0.0269	0.0258	108	103	79.0-121			4.21	20
Chlorodibromomethane	0.0250	0.0269	0.0266	108	106	74.0-128			1.20	20
Chloroethane	0.0250	0.0249	0.0259	99.5	104	51.0-147			4.01	20
Chloroform	0.0250	0.0258	0.0258	103	103	73.0-123			0.250	20
Chloromethane	0.0250	0.0222	0.0226	88.8	90.4	51.0-138			1.87	20
2-Chlorotoluene	0.0250	0.0272	0.0270	109	108	72.0-124			0.800	20
4-Chlorotoluene	0.0250	0.0270	0.0265	108	106	78.0-120			1.70	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0259	0.0262	104	105	65.0-126			1.06	20
1,2-Dibromoethane	0.0250	0.0272	0.0258	109	103	78.0-122			5.28	20
Dibromomethane	0.0250	0.0272	0.0269	109	107	79.0-120			1.37	20
1,2-Dichlorobenzene	0.0250	0.0270	0.0272	108	109	80.0-120			0.810	20
1,3-Dichlorobenzene	0.0250	0.0269	0.0272	108	109	72.0-123			0.870	20
1,4-Dichlorobenzene	0.0250	0.0262	0.0262	105	105	77.0-120			0.0700	20
trans-1,4-Dichloro-2-butene	0.0250	0.0216	0.0221	86.6	88.5	68.0-126			2.26	20
Dichlorodifluoromethane	0.0250	0.0240	0.0241	96.1	96.4	49.0-155			0.280	20
1,1-Dichloroethane	0.0250	0.0251	0.0254	101	102	70.0-128			0.990	20
1,2-Dichloroethane	0.0250	0.0259	0.0266	103	106	69.0-128			2.78	20
1,1-Dichloroethene	0.0250	0.0253	0.0244	101	97.7	63.0-131			3.52	20
cis-1,2-Dichloroethene	0.0250	0.0260	0.0260	104	104	74.0-123			0.120	20
trans-1,2-Dichloroethene	0.0250	0.0257	0.0260	103	104	72.0-122			1.33	20
1,2-Dichloropropane	0.0250	0.0249	0.0249	99.7	99.7	75.0-126			0.0100	20
1,1-Dichloropropene	0.0250	0.0256	0.0262	102	105	72.0-130			2.17	20
1,3-Dichloropropane	0.0250	0.0267	0.0259	107	104	80.0-121			3.27	20
cis-1,3-Dichloropropene	0.0250	0.0246	0.0238	98.2	95.2	80.0-125			3.11	20
trans-1,3-Dichloropropene	0.0250	0.0268	0.0247	107	99.0	75.0-129			7.87	20
2,2-Dichloropropane	0.0250	0.0257	0.0262	103	105	60.0-129			1.65	20
Di-isopropyl ether	0.0250	0.0238	0.0239	95.1	95.7	62.0-133			0.690	20

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

(LCS) R3245209-1 08/28/17 10:18 • (LCSD) R3245209-2 08/28/17 10:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0266	0.0256	106	103	77.0-120			3.59	20
Hexachloro-1,3-butadiene	0.0250	0.0251	0.0261	100	104	68.0-128			3.89	20
2-Hexanone	0.125	0.137	0.131	110	104	61.0-143			5.01	20
n-Hexane	0.0250	0.0227	0.0224	90.8	89.4	57.0-125			1.54	20
Iodomethane	0.125	0.111	0.108	88.9	86.4	67.0-132			2.80	20
Isopropylbenzene	0.0250	0.0277	0.0275	111	110	75.0-120			0.690	20
p-Isopropyltoluene	0.0250	0.0265	0.0272	106	109	74.0-125			2.57	20
2-Butanone (MEK)	0.125	0.148	0.150	119	120	37.0-159			1.11	20
Methylene Chloride	0.0250	0.0240	0.0246	96.0	98.4	67.0-123			2.55	20
4-Methyl-2-pentanone (MIBK)	0.125	0.131	0.128	105	103	60.0-144			2.05	20
Methyl tert-butyl ether	0.0250	0.0255	0.0252	102	101	66.0-125			1.14	20
Naphthalene	0.0250	0.0255	0.0275	102	110	64.0-125			7.46	20
n-Propylbenzene	0.0250	0.0270	0.0271	108	109	78.0-120			0.460	20
Styrene	0.0250	0.0274	0.0271	110	108	78.0-124			1.13	20
1,1,1,2-Tetrachloroethane	0.0250	0.0266	0.0262	106	105	74.0-124			1.40	20
1,1,2,2-Tetrachloroethane	0.0250	0.0278	0.0277	111	111	73.0-120			0.580	20
Tetrachloroethene	0.0250	0.0279	0.0263	112	105	70.0-127			5.83	20
Toluene	0.0250	0.0274	0.0260	109	104	77.0-120			5.07	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0282	0.0274	113	110	64.0-135			2.94	20
1,2,3-Trichlorobenzene	0.0250	0.0243	0.0263	97.1	105	68.0-126			7.85	20
1,2,4-Trichlorobenzene	0.0250	0.0248	0.0267	99.2	107	70.0-127			7.25	20
1,1,1-Trichloroethane	0.0250	0.0268	0.0268	107	107	69.0-125			0.0700	20
1,1,2-Trichloroethane	0.0250	0.0264	0.0259	106	104	78.0-120			2.15	20
Trichloroethene	0.0250	0.0263	0.0261	105	104	79.0-120			0.870	20
Trichlorofluoromethane	0.0250	0.0289	0.0291	115	116	59.0-136			0.680	20
1,2,3-Trichloropropane	0.0250	0.0281	0.0273	113	109	73.0-124			2.85	20
1,2,3-Trimethylbenzene	0.0250	0.0267	0.0271	107	108	76.0-120			1.55	20
1,2,4-Trimethylbenzene	0.0250	0.0259	0.0262	104	105	75.0-120			1.24	20
1,3,5-Trimethylbenzene	0.0250	0.0275	0.0274	110	110	75.0-120			0.220	20
Vinyl acetate	0.125	0.128	0.125	102	100	58.0-156			2.16	20
Vinyl chloride	0.0250	0.0257	0.0254	103	102	63.0-134			1.24	20
Xylenes, Total	0.0750	0.0821	0.0789	109	105	77.0-120			3.98	20
(S) Toluene-d8				*103*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*97.8*	*99.3*	*74.0-131*				
(S) 4-Bromofluorobenzene				*102*	*102*	*64.0-132*				

L932017-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932017-01 08/28/17 14:52 • (MS) R3245209-4 08/28/17 12:15 • (MSD) R3245209-5 08/28/17 12:35

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	10.4	9.12	83.4	73.0	100	10.0-160			13.3	36
Acrylonitrile	0.125	ND	10.9	10.5	87.0	84.2	100	14.0-160			3.28	33
Benzene	0.0250	ND	2.02	1.99	79.3	78.1	100	13.0-146			1.46	27
Bromobenzene	0.0250	ND	1.86	1.87	74.5	74.9	100	10.0-149			0.500	33
Bromodichloromethane	0.0250	ND	2.03	1.97	80.1	77.8	100	15.0-142			2.82	28
Bromochloromethane	0.0250	ND	2.12	2.08	84.6	83.2	100	24.0-146			1.72	27
Bromoform	0.0250	ND	1.86	1.89	74.4	75.5	100	10.0-147			1.48	31
Bromomethane	0.0250	ND	1.29	1.38	51.6	55.2	100	10.0-160			6.70	32
n-Butylbenzene	0.0250	ND	2.33	2.33	90.7	90.4	100	10.0-154			0.270	37
sec-Butylbenzene	0.0250	ND	2.17	2.23	84.4	86.7	100	10.0-151			2.67	36
tert-Butylbenzene	0.0250	ND	2.11	2.13	84.3	85.3	100	10.0-152			1.29	35
Carbon disulfide	0.0250	ND	1.84	1.79	73.7	71.4	100	10.0-141			3.12	30
Carbon tetrachloride	0.0250	ND	1.91	1.96	76.4	78.3	100	13.0-140			2.47	30
Chlorobenzene	0.0250	ND	2.06	2.07	82.6	82.8	100	10.0-149			0.270	31
Chlorodibromomethane	0.0250	ND	2.08	2.07	83.3	83.0	100	12.0-147			0.400	29
Chloroethane	0.0250	ND	2.34	2.23	93.8	89.1	100	10.0-159			5.06	33
Chloroform	0.0250	ND	2.03	2.01	81.1	80.3	100	18.0-148			1.02	28
Chloromethane	0.0250	ND	1.30	1.36	52.0	54.4	100	10.0-146			4.56	29
2-Chlorotoluene	0.0250	0.476	2.59	2.58	84.5	84.1	100	10.0-151			0.430	35
4-Chlorotoluene	0.0250	ND	2.05	2.05	81.9	82.0	100	10.0-150			0.180	35
1,2-Dibromo-3-Chloropropane	0.0250	ND	2.13	2.19	85.0	87.4	100	10.0-149			2.83	34
1,2-Dibromoethane	0.0250	ND	2.06	2.05	82.5	82.1	100	14.0-145			0.440	28
Dibromomethane	0.0250	ND	2.12	2.05	84.7	82.0	100	18.0-144			3.22	27
1,2-Dichlorobenzene	0.0250	ND	2.18	2.20	87.3	88.1	100	10.0-153			0.940	34
1,3-Dichlorobenzene	0.0250	ND	2.09	2.14	83.6	85.5	100	10.0-150			2.21	35
1,4-Dichlorobenzene	0.0250	ND	2.16	2.18	86.3	87.3	100	10.0-148			1.14	34
trans-1,4-Dichloro-2-butene	0.0250	ND	1.81	1.92	72.3	77.0	100	10.0-160			6.34	40
Dichlorodifluoromethane	0.0250	ND	1.42	1.52	57.0	60.7	100	10.0-160			6.33	30
1,1-Dichloroethane	0.0250	ND	2.02	1.96	80.9	78.2	100	19.0-148			3.38	28
1,2-Dichloroethane	0.0250	ND	2.09	2.01	83.6	80.4	100	17.0-147			3.95	27
1,1-Dichloroethene	0.0250	ND	2.37	2.29	94.9	91.8	100	10.0-150			3.36	31
cis-1,2-Dichloroethene	0.0250	ND	2.02	2.01	80.8	80.4	100	16.0-145			0.530	28
trans-1,2-Dichloroethene	0.0250	ND	1.91	1.99	76.3	79.5	100	11.0-142			4.08	29
1,2-Dichloropropane	0.0250	ND	2.03	1.98	81.0	79.1	100	17.0-148			2.34	28
1,1-Dichloropropene	0.0250	ND	1.97	1.99	79.0	79.6	100	10.0-150			0.720	30
1,3-Dichloropropane	0.0250	ND	2.03	2.04	81.1	81.5	100	16.0-148			0.460	27
cis-1,3-Dichloropropene	0.0250	ND	1.95	1.95	78.2	78.1	100	13.0-150			0.140	28
trans-1,3-Dichloropropene	0.0250	ND	2.01	2.04	80.3	81.8	100	10.0-152			1.78	29
2,2-Dichloropropane	0.0250	ND	2.03	2.07	81.0	82.8	100	16.0-143			2.20	30
Di-isopropyl ether	0.0250	ND	1.92	1.92	76.7	76.8	100	16.0-149			0.120	28

L932017-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932017-01 08/28/17 14:52 • (MS) R3245209-4 08/28/17 12:15 • (MSD) R3245209-5 08/28/17 12:35

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	0.565	2.54	2.62	78.8	82.1	100	10.0-147			3.11	31
Hexachloro-1,3-butadiene	0.0250	ND	2.30	2.22	91.9	88.8	100	10.0-154			3.50	40
2-Hexanone	0.125	ND	10.7	10.4	85.8	83.0	100	12.0-158			3.25	30
n-Hexane	0.0250	ND	1.50	1.60	56.9	61.1	100	10.0-140			6.66	34
Iodomethane	0.125	ND	11.3	12.3	90.2	98.7	100	10.0-157			8.98	34
Isopropylbenzene	0.0250	ND	2.07	2.10	79.9	81.0	100	10.0-147			1.30	33
p-Isopropyltoluene	0.0250	0.408	2.48	2.53	82.8	84.7	100	10.0-156			1.89	37
2-Butanone (MEK)	0.125	ND	10.9	10.3	87.1	82.8	100	10.0-160			5.06	33
Methylene Chloride	0.0250	ND	1.93	1.96	77.3	78.3	100	16.0-139			1.21	29
4-Methyl-2-pentanone (MIBK)	0.125	ND	10.4	10.2	80.2	78.9	100	12.0-160			1.61	32
Methyl tert-butyl ether	0.0250	ND	2.10	2.08	84.1	83.3	100	21.0-145			0.950	29
Naphthalene	0.0250	3.12	5.44	5.39	92.6	90.6	100	10.0-153			0.940	36
n-Propylbenzene	0.0250	0.169	2.15	2.18	79.1	80.6	100	10.0-151			1.82	34
Styrene	0.0250	ND	2.06	2.08	82.6	83.1	100	10.0-155			0.590	34
1,1,1,2-Tetrachloroethane	0.0250	ND	2.05	2.07	82.0	82.9	100	10.0-147			1.10	30
1,1,2,2-Tetrachloroethane	0.0250	ND	2.21	2.17	88.3	86.7	100	10.0-155			1.76	31
Tetrachloroethene	0.0250	ND	1.94	2.03	77.6	81.4	100	10.0-144			4.75	32
Toluene	0.0250	ND	2.02	2.05	77.1	78.5	100	10.0-144			1.83	28
1,1,2-Trichlorotrifluoroethane	0.0250	ND	2.76	2.64	111	106	100	10.0-153			4.64	33
1,2,3-Trichlorobenzene	0.0250	ND	2.24	2.23	89.7	89.2	100	10.0-153			0.510	40
1,2,4-Trichlorobenzene	0.0250	ND	2.30	2.32	92.2	92.9	100	10.0-156			0.790	40
1,1,1-Trichloroethane	0.0250	ND	2.07	2.11	82.8	84.2	100	18.0-145			1.68	29
1,1,2-Trichloroethane	0.0250	0.123	2.13	2.12	80.2	79.7	100	12.0-151			0.600	28
Trichloroethene	0.0250	ND	1.92	2.05	76.7	82.1	100	11.0-148			6.85	29
Trichlorofluoromethane	0.0250	ND	2.84	2.65	113	106	100	10.0-157			6.68	34
1,2,3-Trichloropropane	0.0250	ND	2.17	2.19	86.8	87.5	100	10.0-154			0.780	32
1,2,3-Trimethylbenzene	0.0250	4.21	6.23	6.16	80.9	78.2	100	10.0-150			1.12	33
1,2,4-Trimethylbenzene	0.0250	12.7	14.1	14.0	57.3	51.7	100	10.0-151			0.990	34
1,3,5-Trimethylbenzene	0.0250	4.07	5.94	5.93	74.7	74.6	100	10.0-150			0.0100	33
Vinyl acetate	0.125	ND	10.6	9.99	85.1	79.9	100	10.0-160			6.27	40
Vinyl chloride	0.0250	ND	1.45	1.52	57.9	61.0	100	10.0-150			5.12	29
Xylenes, Total	0.0750	9.06	15.1	15.0	80.3	79.3	100	10.0-150			0.470	31
(S) Toluene-d8					*98.8*	*100*		*80.0-120*				
(S) Dibromofluoromethane					*102*	*97.9*		*74.0-131*				
(S) 4-Bromofluorobenzene					*96.2*	*92.8*		*64.0-132*				

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.

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.

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.

State Accreditations

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

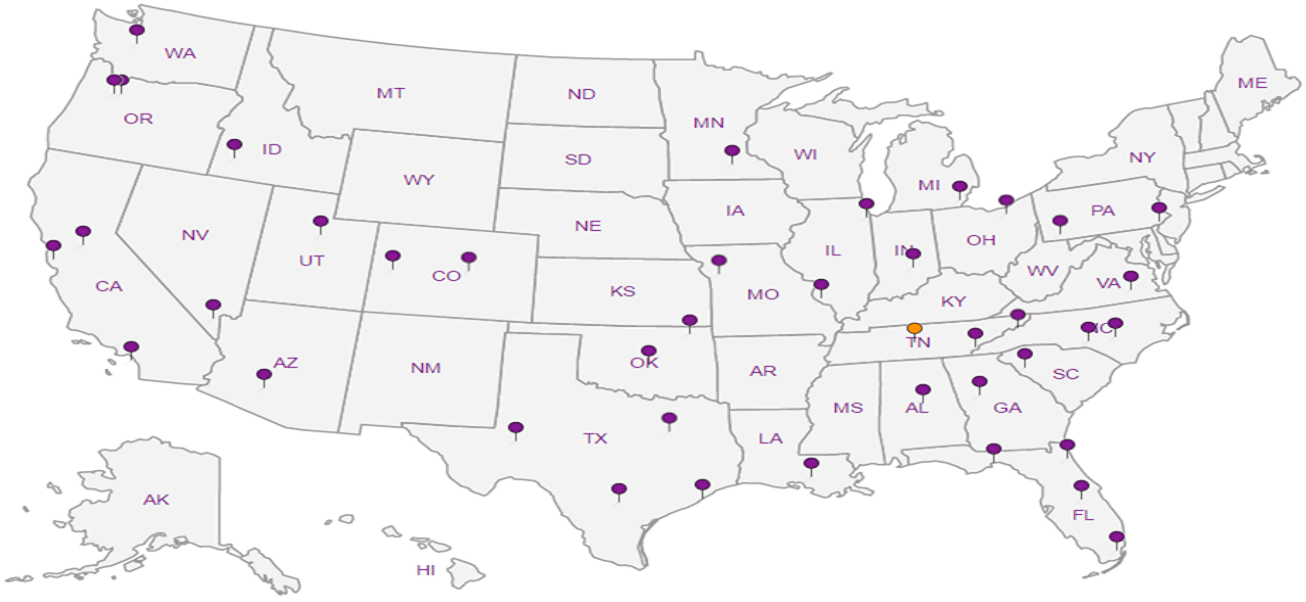
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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

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Pres Chk

Report to: **Bill Haldeman**

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

Project Description: **American Linen Project**

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # **PESENVSWA-ALP**

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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 #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-135-16	GRAB	SS	16	8/24/17	0805	5	X		X	X			01
MW-135-20		SS	20		0830	5	X		X	X			02
MW-135-30		SS	30		0855	2	X		X	X		2 JARS - COARSE	03
MW-135-36		SS	36		0900	5	X		X	X			04
MW-135-40		SS	40		0940	5	X		X	X			05
MW-135-45		SS	45		0955	5	X		X	X			06
MW-135-55		SS	55		1050	5	X		X	X			07
~~MW~~ B-901-50		GWSS	50		1120	4			X	X	X		08
~~MW~~ B-208-20		GWSS	20		1130	4			X	X	X		09
~~MW~~ B-208-35	↓	GWSS	35	↓	1205	4			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 # 7474 0921 0219

Trip Blank Received: Yes / (No)
HCL / MeoH
TBR

Temp: 1.3 °C Bottles Received: 44

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	8/24/17	1330	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 8/25/17 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 1

ESC LABORATORIES
a subsidiary of Accutest

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
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L# 932054 932447

G060

Acctnum: PESENVSWA
Template: T126586
Prelogin: P613274
TSR: 110 - Brian Ford
PB: 8/10/17 MG
Shipped Via: FedEx Ground

MEMORANDUM

TO: Project File **DATE:** September 20, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: August 24, 2017 – Soil Samples

LAB: ESC Lab ID L932059

Ten (10) soil samples were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on August 24, 2017. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L932059. The quarterly monitoring round occurred August and September of 2017. Associated sample data are reported in X# ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L934130, L934673, L934916, and). The quality assurance review of the sample data associated with SDG L932059 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on August 24, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 1.3 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils from the date of sample 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 soils from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of 7 days for total solids. 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:

- *USEPA Method 8260C for soils:* Continuing calibration verification (CCV) issues were noted by ESC for acetone associated with analytical batch WG1014254 (analyzed on August 28, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (J).**

Method Blank Results

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

NWTPH-Gx Method:
A laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blank at or above the RDL.

Total Solids by SM 2540 G 2011:

Laboratory method blanks were included with the analytical batch per method requirement. The target analytes (% solids) were not detected at significant levels in the method blanks and sample results are not impacted.

Trip Blank Results

USEPA Method 8260C and NWTPH-Gx:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (B-208-35 and B-901-50) results are comparable and less than 30% RPD with the following exception:

- **The RPD for tetrachloroethene exceeds criteria and field duplicate results are estimated and qualified (J).**

Laboratory Duplicate Analyses

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

NWTPH-Gx Method:
A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) and/or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client sample B-208-20 and a 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, LCS/LCSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs 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 (VOCs) are within the laboratory control criteria for soils.

NWTPH-Gx Method:
LCS/LCSD was analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for soils.

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:
MS/MSD analyses were performed on a non-client sample within the analytical batch. MS/MSD % Rs and RPDs for target compounds are within laboratory control limit criteria for soils.

NWTPH-Gx Method:
MS/MSD analyses were performed on a non-client sample within the analytical batch. MS/MSD % Rs and RPD for gasoline were within the laboratory control criteria for soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- ESC notes indicate that no stir bars remain for VOC analysis on sample B-208-20 (Analytical Batch WG1014254). ESC indicated that samples were field preserved with low level sodium bisulfite (stir bars) and high level methanol vials. All targets were run undiluted (1X) except for tetrachloroethene (PCE) which was run at a 25X dilution factor. ESC was unable to analyze tetrachloroethene at a lower dilution factor due to an insufficient number of vials preserved with sodium bisulfite. No action was taken other than to note that PCE is still under the screening criteria. ESC is taking steps to minimize this occurrence by providing additional sodium bisulfite vials per sample.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	08/31/2017 12:03	WG1015517

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	641		10.3	30.5	250	09/01/2017 05:01	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*98.5*			*77.0-120*		*09/01/2017 05:01*	WG1014739

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.22	6.10	100	08/29/2017 14:46	WG1014254
Acrylonitrile	U		0.218	1.22	100	08/29/2017 14:46	WG1014254
Benzene	U		0.0329	0.122	100	08/29/2017 14:46	WG1014254
Bromobenzene	U		0.0346	0.122	100	08/29/2017 14:46	WG1014254
Bromodichloromethane	U		0.0310	0.122	100	08/29/2017 14:46	WG1014254
Bromochloromethane	U		0.0476	0.610	100	08/29/2017 14:46	WG1014254
Bromoform	U		0.0517	0.122	100	08/29/2017 14:46	WG1014254
Bromomethane	U		0.163	0.610	100	08/29/2017 14:46	WG1014254
n-Butylbenzene	0.339		0.0315	0.122	100	08/29/2017 14:46	WG1014254
sec-Butylbenzene	0.167		0.0245	0.122	100	08/29/2017 14:46	WG1014254
tert-Butylbenzene	0.0271	J	0.0251	0.122	100	08/29/2017 14:46	WG1014254
Carbon disulfide	U		0.0270	0.122	100	08/29/2017 14:46	WG1014254
Carbon tetrachloride	U		0.0400	0.122	100	08/29/2017 14:46	WG1014254
Chlorobenzene	U		0.0259	0.122	100	08/29/2017 14:46	WG1014254
Chlorodibromomethane	U		0.0455	0.122	100	08/29/2017 14:46	WG1014254
Chloroethane	U		0.115	0.610	100	08/29/2017 14:46	WG1014254
Chloroform	U		0.0279	0.610	100	08/29/2017 14:46	WG1014254
Chloromethane	U		0.0457	0.305	100	08/29/2017 14:46	WG1014254
2-Chlorotoluene	U		0.0367	0.122	100	08/29/2017 14:46	WG1014254
4-Chlorotoluene	U		0.0293	0.122	100	08/29/2017 14:46	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.128	0.610	100	08/29/2017 14:46	WG1014254
1,2-Dibromoethane	U		0.0418	0.122	100	08/29/2017 14:46	WG1014254
Dibromomethane	U		0.0466	0.122	100	08/29/2017 14:46	WG1014254
1,2-Dichlorobenzene	U		0.0372	0.122	100	08/29/2017 14:46	WG1014254
1,3-Dichlorobenzene	U		0.0292	0.122	100	08/29/2017 14:46	WG1014254
1,4-Dichlorobenzene	U		0.0276	0.122	100	08/29/2017 14:46	WG1014254
Dichlorodifluoromethane	U		0.0870	0.610	100	08/29/2017 14:46	WG1014254
1,1-Dichloroethane	U		0.0243	0.122	100	08/29/2017 14:46	WG1014254
1,2-Dichloroethane	U		0.0323	0.122	100	08/29/2017 14:46	WG1014254
1,1-Dichloroethene	1.04		0.0370	0.122	100	08/29/2017 14:46	WG1014254
cis-1,2-Dichloroethene	329		5.73	24.4	20000	08/29/2017 16:27	WG1014254
trans-1,2-Dichloroethene	0.700		0.0322	0.122	100	08/29/2017 14:46	WG1014254
1,2-Dichloropropane	U		0.0437	0.122	100	08/29/2017 14:46	WG1014254
1,1-Dichloropropene	U		0.0387	0.122	100	08/29/2017 14:46	WG1014254
1,3-Dichloropropane	U		0.0253	0.122	100	08/29/2017 14:46	WG1014254
cis-1,3-Dichloropropene	U		0.0320	0.122	100	08/29/2017 14:46	WG1014254
trans-1,3-Dichloropropene	U		0.0326	0.122	100	08/29/2017 14:46	WG1014254
trans-1,4-Dichloro-2-butene	U		0.0949	0.305	100	08/29/2017 14:46	WG1014254
2,2-Dichloropropane	U		0.0340	0.122	100	08/29/2017 14:46	WG1014254
Di-isopropyl ether	U		0.0303	0.122	100	08/29/2017 14:46	WG1014254
Ethylbenzene	0.0750	J	0.0362	0.122	100	08/29/2017 14:46	WG1014254
Hexachloro-1,3-butadiene	U		0.0417	0.122	100	08/29/2017 14:46	WG1014254
2-Hexanone	U		0.167	1.22	100	08/29/2017 14:46	WG1014254
n-Hexane	U		0.0354	1.22	100	08/29/2017 14:46	WG1014254

JC 9/18/2017

Volatile Organic Compounds (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			0.309	1.22	100	08/29/2017 14:46	WG1014254
Isopropylbenzene	0.0628	J	J	0.0296	0.122	100	08/29/2017 14:46	WG1014254
p-Isopropyltoluene	0.681			0.0249	0.122	100	08/29/2017 14:46	WG1014254
2-Butanone (MEK)	U			0.571	1.22	100	08/29/2017 14:46	WG1014254
Methylene Chloride	U			0.122	0.610	100	08/29/2017 14:46	WG1014254
4-Methyl-2-pentanone (MIBK)	U			0.229	1.22	100	08/29/2017 14:46	WG1014254
Methyl tert-butyl ether	U			0.0259	0.122	100	08/29/2017 14:46	WG1014254
Naphthalene	0.543	J	J	0.122	0.610	100	08/29/2017 14:46	WG1014254
n-Propylbenzene	0.170			0.0251	0.122	100	08/29/2017 14:46	WG1014254
Styrene	U			0.0285	0.122	100	08/29/2017 14:46	WG1014254
1,1,1,2-Tetrachloroethane	U			0.0322	0.122	100	08/29/2017 14:46	WG1014254
1,1,2,2-Tetrachloroethane	U			0.0445	0.122	100	08/29/2017 14:46	WG1014254
1,1,2-Trichlorotrifluoroethane	U			0.0445	0.122	100	08/29/2017 14:46	WG1014254
Tetrachloroethene	933			6.73	24.4	20000	08/29/2017 16:27	WG1014254
Toluene	0.166	J	J	0.0529	0.610	100	08/29/2017 14:46	WG1014254
1,2,3-Trichlorobenzene	U			0.0373	0.122	100	08/29/2017 14:46	WG1014254
1,2,4-Trichlorobenzene	U			0.0473	0.122	100	08/29/2017 14:46	WG1014254
1,1,1-Trichloroethane	U			0.0349	0.122	100	08/29/2017 14:46	WG1014254
1,1,2-Trichloroethane	U			0.0338	0.122	100	08/29/2017 14:46	WG1014254
Trichloroethene	113			6.81	24.4	20000	08/29/2017 16:27	WG1014254
Trichlorofluoromethane	U			0.0466	0.610	100	08/29/2017 14:46	WG1014254
1,2,3-Trichloropropane	U			0.0904	0.305	100	08/29/2017 14:46	WG1014254
1,2,4-Trimethylbenzene	0.483			0.0257	0.122	100	08/29/2017 14:46	WG1014254
1,2,3-Trimethylbenzene	0.257			0.0350	0.122	100	08/29/2017 14:46	WG1014254
1,3,5-Trimethylbenzene	0.159			0.0324	0.122	100	08/29/2017 14:46	WG1014254
Vinyl acetate	U			0.292	1.22	100	08/29/2017 14:46	WG1014254
Vinyl chloride	17.0			0.0355	0.122	100	08/29/2017 14:46	WG1014254
Xylenes, Total	0.331	J	J	0.0851	0.366	100	08/29/2017 14:46	WG1014254
(S) Toluene-d8	*105*				*80.0-120*		*08/29/2017 14:46*	WG1014254
(S) Toluene-d8	*104*				*80.0-120*		*08/29/2017 16:27*	WG1014254
(S) Dibromofluoromethane	*99.6*				*74.0-131*		*08/29/2017 14:46*	WG1014254
(S) Dibromofluoromethane	*100*				*74.0-131*		*08/29/2017 16:27*	WG1014254
(S) 4-Bromofluorobenzene	*105*				*64.0-132*		*08/29/2017 14:46*	WG1014254
(S) 4-Bromofluorobenzene	*99.8*				*64.0-132*		*08/29/2017 16:27*	WG1014254

JC 9/18/2017

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	08/31/2017 12:03	WG1015517

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	0.277		0.0386	0.114	1	08/29/2017 15:31	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*94.7*			*77.0-120*		*08/29/2017 15:31*	WG1014739

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.285	1.42	25	08/29/2017 15:11	WG1014254
Acrylonitrile	U		0.0510	0.285	25	08/29/2017 15:11	WG1014254
Benzene	U		0.00769	0.0285	25	08/29/2017 15:11	WG1014254
Bromobenzene	U		0.00809	0.0285	25	08/29/2017 15:11	WG1014254
Bromodichloromethane	U		0.00723	0.0285	25	08/29/2017 15:11	WG1014254
Bromochloromethane	U		0.0111	0.142	25	08/29/2017 15:11	WG1014254
Bromoform	U		0.0121	0.0285	25	08/29/2017 15:11	WG1014254
Bromomethane	U		0.0382	0.142	25	08/29/2017 15:11	WG1014254
n-Butylbenzene	U		0.00735	0.0285	25	08/29/2017 15:11	WG1014254
sec-Butylbenzene	U		0.00572	0.0285	25	08/29/2017 15:11	WG1014254
tert-Butylbenzene	U		0.00587	0.0285	25	08/29/2017 15:11	WG1014254
Carbon disulfide	U		0.00629	0.0285	25	08/29/2017 15:11	WG1014254
Carbon tetrachloride	U		0.00934	0.0285	25	08/29/2017 15:11	WG1014254
Chlorobenzene	U		0.00604	0.0285	25	08/29/2017 15:11	WG1014254
Chlorodibromomethane	U		0.0106	0.0285	25	08/29/2017 15:11	WG1014254
Chloroethane	U		0.0269	0.142	25	08/29/2017 15:11	WG1014254
Chloroform	U		0.00651	0.142	25	08/29/2017 15:11	WG1014254
Chloromethane	U		0.0107	0.0712	25	08/29/2017 15:11	WG1014254
2-Chlorotoluene	U		0.00857	0.0285	25	08/29/2017 15:11	WG1014254
4-Chlorotoluene	U		0.00683	0.0285	25	08/29/2017 15:11	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.0298	0.142	25	08/29/2017 15:11	WG1014254
1,2-Dibromoethane	U		0.00977	0.0285	25	08/29/2017 15:11	WG1014254
Dibromomethane	U		0.0109	0.0285	25	08/29/2017 15:11	WG1014254
1,2-Dichlorobenzene	U		0.00868	0.0285	25	08/29/2017 15:11	WG1014254
1,3-Dichlorobenzene	U		0.00681	0.0285	25	08/29/2017 15:11	WG1014254
1,4-Dichlorobenzene	U		0.00644	0.0285	25	08/29/2017 15:11	WG1014254
Dichlorodifluoromethane	U		0.0203	0.142	25	08/29/2017 15:11	WG1014254
1,1-Dichloroethane	U		0.00567	0.0285	25	08/29/2017 15:11	WG1014254
1,2-Dichloroethane	U		0.00754	0.0285	25	08/29/2017 15:11	WG1014254
1,1-Dichloroethene	U		0.00863	0.0285	25	08/29/2017 15:11	WG1014254
cis-1,2-Dichloroethene	0.408		0.00670	0.0285	25	08/29/2017 16:53	WG1014254
trans-1,2-Dichloroethene	U		0.00752	0.0285	25	08/29/2017 15:11	WG1014254
1,2-Dichloropropane	U		0.0102	0.0285	25	08/29/2017 15:11	WG1014254
1,1-Dichloropropene	U		0.00902	0.0285	25	08/29/2017 15:11	WG1014254
1,3-Dichloropropane	U		0.00590	0.0285	25	08/29/2017 15:11	WG1014254
cis-1,3-Dichloropropene	U		0.00746	0.0285	25	08/29/2017 15:11	WG1014254
trans-1,3-Dichloropropene	U		0.00761	0.0285	25	08/29/2017 15:11	WG1014254
trans-1,4-Dichloro-2-butene	U		0.0221	0.0712	25	08/29/2017 15:11	WG1014254
2,2-Dichloropropane	U		0.00795	0.0285	25	08/29/2017 15:11	WG1014254
Di-isopropyl ether	U		0.00706	0.0285	25	08/29/2017 15:11	WG1014254
Ethylbenzene	U		0.00845	0.0285	25	08/29/2017 15:11	WG1014254
Hexachloro-1,3-butadiene	U		0.00974	0.0285	25	08/29/2017 15:11	WG1014254
2-Hexanone	U		0.0390	0.285	25	08/29/2017 15:11	WG1014254
n-Hexane	U		0.00826	0.285	25	08/29/2017 15:11	WG1014254

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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		0.0720	0.285	25	08/29/2017 15:11	WG1014254
Isopropylbenzene	U		0.00692	0.0285	25	08/29/2017 15:11	WG1014254
p-Isopropyltoluene	U		0.00581	0.0285	25	08/29/2017 15:11	WG1014254
2-Butanone (MEK)	U		0.133	0.285	25	08/29/2017 15:11	WG1014254
Methylene Chloride	U		0.0285	0.142	25	08/29/2017 15:11	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.0535	0.285	25	08/29/2017 15:11	WG1014254
Methyl tert-butyl ether	U		0.00604	0.0285	25	08/29/2017 15:11	WG1014254
Naphthalene	U		0.0285	0.142	25	08/29/2017 15:11	WG1014254
n-Propylbenzene	U		0.00587	0.0285	25	08/29/2017 15:11	WG1014254
Styrene	U		0.00666	0.0285	25	08/29/2017 15:11	WG1014254
1,1,1,2-Tetrachloroethane	U		0.00752	0.0285	25	08/29/2017 15:11	WG1014254
1,1,2,2-Tetrachloroethane	U		0.0104	0.0285	25	08/29/2017 15:11	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0285	25	08/29/2017 15:11	WG1014254
Tetrachloroethene	1.73		0.00786	0.0285	25	08/29/2017 16:53	WG1014254
Toluene	U		0.0123	0.142	25	08/29/2017 15:11	WG1014254
1,2,3-Trichlorobenzene	U		0.00871	0.0285	25	08/29/2017 15:11	WG1014254
1,2,4-Trichlorobenzene	U		0.0110	0.0285	25	08/29/2017 15:11	WG1014254
1,1,1-Trichloroethane	U		0.00814	0.0285	25	08/29/2017 15:11	WG1014254
1,1,2-Trichloroethane	U		0.00788	0.0285	25	08/29/2017 15:11	WG1014254
Trichloroethene	0.461		0.00795	0.0285	25	08/29/2017 16:53	WG1014254
Trichlorofluoromethane	U		0.0109	0.142	25	08/29/2017 15:11	WG1014254
1,2,3-Trichloropropane	U		0.0211	0.0712	25	08/29/2017 15:11	WG1014254
1,2,4-Trimethylbenzene	U		0.00601	0.0285	25	08/29/2017 15:11	WG1014254
1,2,3-Trimethylbenzene	U		0.00818	0.0285	25	08/29/2017 15:11	WG1014254
1,3,5-Trimethylbenzene	U		0.00757	0.0285	25	08/29/2017 15:11	WG1014254
Vinyl acetate	U		0.0681	0.285	25	08/29/2017 15:11	WG1014254
Vinyl chloride	0.0241 J	J	0.00829	0.0285	25	08/29/2017 15:11	WG1014254
Xylenes, Total	U		0.0198	0.0854	25	08/29/2017 15:11	WG1014254
(S) Toluene-d8	*107*			*80.0-120*		*08/29/2017 16:53*	WG1014254
(S) Toluene-d8	*106*			*80.0-120*		*08/29/2017 15:11*	WG1014254
(S) Dibromofluoromethane	*98.5*			*74.0-131*		*08/29/2017 15:11*	WG1014254
(S) Dibromofluoromethane	*97.0*			*74.0-131*		*08/29/2017 16:53*	WG1014254
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*		*08/29/2017 16:53*	WG1014254
(S) 4-Bromofluorobenzene	*95.1*			*64.0-132*		*08/29/2017 15:11*	WG1014254

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	08/31/2017 12:03	WG1015517

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	10.4		0.0360	0.106	1	08/29/2017 15:53	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*95.1*			*77.0-120*		*08/29/2017 15:53*	WG1014739

Volatile Organic Compounds (GC/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 JO	0.0106	0.0531	1	08/28/2017 16:44	WG1014254
Acrylonitrile	U		0.00190	0.0106	1	08/28/2017 16:44	WG1014254
Benzene	U		0.000287	0.00106	1	08/28/2017 16:44	WG1014254
Bromobenzene	U		0.000302	0.00106	1	08/28/2017 16:44	WG1014254
Bromodichloromethane	U		0.000270	0.00106	1	08/28/2017 16:44	WG1014254
Bromochloromethane	U		0.000414	0.00531	1	08/28/2017 16:44	WG1014254
Bromoform	U		0.000450	0.00106	1	08/28/2017 16:44	WG1014254
Bromomethane	U		0.00142	0.00531	1	08/28/2017 16:44	WG1014254
n-Butylbenzene	0.000805 J	J	0.000274	0.00106	1	08/28/2017 16:44	WG1014254
sec-Butylbenzene	0.000496 J	J	0.000213	0.00106	1	08/28/2017 16:44	WG1014254
tert-Butylbenzene	0.000237 J	J	0.000219	0.00106	1	08/28/2017 16:44	WG1014254
Carbon disulfide	0.00300		0.000235	0.00106	1	08/28/2017 16:44	WG1014254
Carbon tetrachloride	U		0.000348	0.00106	1	08/28/2017 16:44	WG1014254
Chlorobenzene	U		0.000225	0.00106	1	08/28/2017 16:44	WG1014254
Chlorodibromomethane	U		0.000396	0.00106	1	08/28/2017 16:44	WG1014254
Chloroethane	U		0.00100	0.00531	1	08/28/2017 16:44	WG1014254
Chloroform	U		0.000243	0.00531	1	08/28/2017 16:44	WG1014254
Chloromethane	U		0.000398	0.00266	1	08/28/2017 16:44	WG1014254
2-Chlorotoluene	U		0.000320	0.00106	1	08/28/2017 16:44	WG1014254
4-Chlorotoluene	U		0.000255	0.00106	1	08/28/2017 16:44	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00531	1	08/28/2017 16:44	WG1014254
1,2-Dibromoethane	U		0.000364	0.00106	1	08/28/2017 16:44	WG1014254
Dibromomethane	U		0.000406	0.00106	1	08/28/2017 16:44	WG1014254
1,2-Dichlorobenzene	U		0.000324	0.00106	1	08/28/2017 16:44	WG1014254
1,3-Dichlorobenzene	U		0.000254	0.00106	1	08/28/2017 16:44	WG1014254
1,4-Dichlorobenzene	U		0.000240	0.00106	1	08/28/2017 16:44	WG1014254
Dichlorodifluoromethane	U		0.000757	0.00531	1	08/28/2017 16:44	WG1014254
1,1-Dichloroethane	U		0.000211	0.00106	1	08/28/2017 16:44	WG1014254
1,2-Dichloroethane	U		0.000281	0.00106	1	08/28/2017 16:44	WG1014254
1,1-Dichloroethene	0.00227		0.000322	0.00106	1	08/28/2017 16:44	WG1014254
cis-1,2-Dichloroethene	1.98		0.0125	0.0531	50	08/29/2017 13:20	WG1014254
trans-1,2-Dichloroethene	0.00363		0.000280	0.00106	1	08/28/2017 16:44	WG1014254
1,2-Dichloropropane	U		0.000380	0.00106	1	08/28/2017 16:44	WG1014254
1,1-Dichloropropene	U		0.000337	0.00106	1	08/28/2017 16:44	WG1014254
1,3-Dichloropropane	U		0.000220	0.00106	1	08/28/2017 16:44	WG1014254
cis-1,3-Dichloropropene	U		0.000278	0.00106	1	08/28/2017 16:44	WG1014254
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	08/28/2017 16:44	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000826	0.00266	1	08/28/2017 16:44	WG1014254
2,2-Dichloropropane	U		0.000296	0.00106	1	08/28/2017 16:44	WG1014254
Di-isopropyl ether	U		0.000263	0.00106	1	08/28/2017 16:44	WG1014254
Ethylbenzene	U		0.000315	0.00106	1	08/28/2017 16:44	WG1014254
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	08/28/2017 16:44	WG1014254
2-Hexanone	U		0.00146	0.0106	1	08/28/2017 16:44	WG1014254
n-Hexane	U		0.000308	0.0106	1	08/28/2017 16:44	WG1014254

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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		0.00269	0.0106	1	08/28/2017 16:44	WG1014254
Isopropylbenzene	0.000278 J	J	0.000258	0.00106	1	08/28/2017 16:44	WG1014254
p-Isopropyltoluene	0.00354		0.000217	0.00106	1	08/28/2017 16:44	WG1014254
2-Butanone (MEK)	U		0.00497	0.0106	1	08/28/2017 16:44	WG1014254
Methylene Chloride	U		0.00106	0.00531	1	08/28/2017 16:44	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	08/28/2017 16:44	WG1014254
Methyl tert-butyl ether	U		0.000225	0.00106	1	08/28/2017 16:44	WG1014254
Naphthalene	0.00253 J	J	0.00106	0.00531	1	08/28/2017 16:44	WG1014254
n-Propylbenzene	0.000769 J	J	0.000219	0.00106	1	08/28/2017 16:44	WG1014254
Styrene	U		0.000249	0.00106	1	08/28/2017 16:44	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	08/28/2017 16:44	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	08/28/2017 16:44	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	08/28/2017 16:44	WG1014254
Tetrachloroethene	109		2.93	10.6	10000	08/29/2017 16:17	WG1014254
Toluene	0.00159 J	J	0.000461	0.00531	1	08/28/2017 16:44	WG1014254
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	08/28/2017 16:44	WG1014254
1,2,4-Trichlorobenzene	U		0.000412	0.00106	1	08/28/2017 16:44	WG1014254
1,1,1-Trichloroethane	U		0.000304	0.00106	1	08/28/2017 16:44	WG1014254
1,1,2-Trichloroethane	U		0.000294	0.00106	1	08/28/2017 16:44	WG1014254
Trichloroethene	2.90		0.0149	0.0531	50	08/29/2017 13:20	WG1014254
Trichlorofluoromethane	U		0.000406	0.00531	1	08/28/2017 16:44	WG1014254
1,2,3-Trichloropropane	U		0.000787	0.00266	1	08/28/2017 16:44	WG1014254
1,2,4-Trimethylbenzene	0.00350		0.000224	0.00106	1	08/28/2017 16:44	WG1014254
1,2,3-Trimethylbenzene	0.00146		0.000305	0.00106	1	08/28/2017 16:44	WG1014254
1,3,5-Trimethylbenzene	0.00114		0.000283	0.00106	1	08/28/2017 16:44	WG1014254
Vinyl acetate	U		0.00254	0.0106	1	08/28/2017 16:44	WG1014254
Vinyl chloride	0.0430		0.000309	0.00106	1	08/28/2017 16:44	WG1014254
Xylenes, Total	0.00135 J	J	0.000741	0.00319	1	08/28/2017 16:44	WG1014254
(S) Toluene-d8	*101*			*80.0-120*		*08/28/2017 16:44*	WG1014254
(S) Toluene-d8	*102*			*80.0-120*		*08/29/2017 13:20*	WG1014254
(S) Toluene-d8	*100*			*80.0-120*		*08/29/2017 16:17*	WG1014254
(S) Dibromofluoromethane	*102*			*74.0-131*		*08/28/2017 16:44*	WG1014254
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*08/29/2017 13:20*	WG1014254
(S) Dibromofluoromethane	*100*			*74.0-131*		*08/29/2017 16:17*	WG1014254
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*08/29/2017 16:17*	WG1014254
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*08/29/2017 13:20*	WG1014254
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*08/28/2017 16:44*	WG1014254

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	08/31/2017 12:03	WG1015517

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	0.733		0.0396	0.117	1	08/29/2017 16:15	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*94.4*			*77.0-120*		*08/29/2017 16:15*	WG1014739

Volatile Organic Compounds (GC/MS) 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	0.0584	1	08/28/2017 17:04	WG1014254
Acrylonitrile	U		0.00209	0.0117	1	08/28/2017 17:04	WG1014254
Benzene	U		0.000315	0.00117	1	08/28/2017 17:04	WG1014254
Bromobenzene	U		0.000332	0.00117	1	08/28/2017 17:04	WG1014254
Bromodichloromethane	U		0.000297	0.00117	1	08/28/2017 17:04	WG1014254
Bromochloromethane	U		0.000455	0.00584	1	08/28/2017 17:04	WG1014254
Bromoform	U		0.000495	0.00117	1	08/28/2017 17:04	WG1014254
Bromomethane	U		0.00156	0.00584	1	08/28/2017 17:04	WG1014254
n-Butylbenzene	U		0.000301	0.00117	1	08/28/2017 17:04	WG1014254
sec-Butylbenzene	U		0.000235	0.00117	1	08/28/2017 17:04	WG1014254
tert-Butylbenzene	U		0.000241	0.00117	1	08/28/2017 17:04	WG1014254
Carbon disulfide	U		0.000258	0.00117	1	08/28/2017 17:04	WG1014254
Carbon tetrachloride	U		0.000383	0.00117	1	08/28/2017 17:04	WG1014254
Chlorobenzene	U		0.000248	0.00117	1	08/28/2017 17:04	WG1014254
Chlorodibromomethane	U		0.000435	0.00117	1	08/28/2017 17:04	WG1014254
Chloroethane	U		0.00110	0.00584	1	08/28/2017 17:04	WG1014254
Chloroform	U		0.000267	0.00584	1	08/28/2017 17:04	WG1014254
Chloromethane	U		0.000438	0.00292	1	08/28/2017 17:04	WG1014254
2-Chlorotoluene	U		0.000351	0.00117	1	08/28/2017 17:04	WG1014254
4-Chlorotoluene	U		0.000280	0.00117	1	08/28/2017 17:04	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	08/28/2017 17:04	WG1014254
1,2-Dibromoethane	U		0.000400	0.00117	1	08/28/2017 17:04	WG1014254
Dibromomethane	U		0.000446	0.00117	1	08/28/2017 17:04	WG1014254
1,2-Dichlorobenzene	U		0.000356	0.00117	1	08/28/2017 17:04	WG1014254
1,3-Dichlorobenzene	U		0.000279	0.00117	1	08/28/2017 17:04	WG1014254
1,4-Dichlorobenzene	U		0.000264	0.00117	1	08/28/2017 17:04	WG1014254
Dichlorodifluoromethane	U		0.000832	0.00584	1	08/28/2017 17:04	WG1014254
1,1-Dichloroethane	U		0.000232	0.00117	1	08/28/2017 17:04	WG1014254
1,2-Dichloroethane	U		0.000309	0.00117	1	08/28/2017 17:04	WG1014254
1,1-Dichloroethene	0.000661	J J	0.000354	0.00117	1	08/28/2017 17:04	WG1014254
cis-1,2-Dichloroethene	0.154		0.000274	0.00117	1	08/28/2017 17:04	WG1014254
trans-1,2-Dichloroethene	0.000907	J J	0.000308	0.00117	1	08/28/2017 17:04	WG1014254
1,2-Dichloropropane	U		0.000418	0.00117	1	08/28/2017 17:04	WG1014254
1,1-Dichloropropene	U		0.000370	0.00117	1	08/28/2017 17:04	WG1014254
1,3-Dichloropropane	U		0.000242	0.00117	1	08/28/2017 17:04	WG1014254
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	08/28/2017 17:04	WG1014254
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	08/28/2017 17:04	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000908	0.00292	1	08/28/2017 17:04	WG1014254
2,2-Dichloropropane	U		0.000326	0.00117	1	08/28/2017 17:04	WG1014254
Di-isopropyl ether	U		0.000290	0.00117	1	08/28/2017 17:04	WG1014254
Ethylbenzene	U		0.000347	0.00117	1	08/28/2017 17:04	WG1014254
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	08/28/2017 17:04	WG1014254
2-Hexanone	U		0.00160	0.0117	1	08/28/2017 17:04	WG1014254
n-Hexane	U		0.000339	0.0117	1	08/28/2017 17:04	WG1014254

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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	0.0117	1	08/28/2017 17:04	WG1014254
Isopropylbenzene	U		0.000284	0.00117	1	08/28/2017 17:04	WG1014254
p-Isopropyltoluene	U		0.000238	0.00117	1	08/28/2017 17:04	WG1014254
2-Butanone (MEK)	U		0.00546	0.0117	1	08/28/2017 17:04	WG1014254
Methylene Chloride	U		0.00117	0.00584	1	08/28/2017 17:04	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0117	1	08/28/2017 17:04	WG1014254
Methyl tert-butyl ether	U		0.000248	0.00117	1	08/28/2017 17:04	WG1014254
Naphthalene	U		0.00117	0.00584	1	08/28/2017 17:04	WG1014254
n-Propylbenzene	U		0.000241	0.00117	1	08/28/2017 17:04	WG1014254
Styrene	U		0.000273	0.00117	1	08/28/2017 17:04	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	08/28/2017 17:04	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	08/28/2017 17:04	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	08/28/2017 17:04	WG1014254
Tetrachloroethene	20.1		0.322	1.17	1000	08/29/2017 16:56	WG1014254
Toluene	U		0.000507	0.00584	1	08/28/2017 17:04	WG1014254
1,2,3-Trichlorobenzene	U		0.000357	0.00117	1	08/28/2017 17:04	WG1014254
1,2,4-Trichlorobenzene	U		0.000453	0.00117	1	08/28/2017 17:04	WG1014254
1,1,1-Trichloroethane	U		0.000334	0.00117	1	08/28/2017 17:04	WG1014254
1,1,2-Trichloroethane	U		0.000323	0.00117	1	08/28/2017 17:04	WG1014254
Trichloroethene	0.0571		0.000326	0.00117	1	08/28/2017 17:04	WG1014254
Trichlorofluoromethane	U		0.000446	0.00584	1	08/28/2017 17:04	WG1014254
1,2,3-Trichloropropane	U		0.000865	0.00292	1	08/28/2017 17:04	WG1014254
1,2,4-Trimethylbenzene	0.000439 J	J	0.000246	0.00117	1	08/28/2017 17:04	WG1014254
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	08/28/2017 17:04	WG1014254
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	08/28/2017 17:04	WG1014254
Vinyl acetate	U		0.00279	0.0117	1	08/28/2017 17:04	WG1014254
Vinyl chloride	0.00962		0.000340	0.00117	1	08/28/2017 17:04	WG1014254
Xylenes, Total	U		0.000815	0.00350	1	08/28/2017 17:04	WG1014254
(S) Toluene-d8	*103*			*80.0-120*		*08/29/2017 16:56*	WG1014254
(S) Toluene-d8	*98.2*			*80.0-120*		*08/28/2017 17:04*	WG1014254
(S) Dibromofluoromethane	*103*			*74.0-131*		*08/28/2017 17:04*	WG1014254
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*08/29/2017 16:56*	WG1014254
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*08/28/2017 17:04*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 16:56*	WG1014254

JC 9/18/2017

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9/18/201
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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	08/31/2017 12:03	WG1015517

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	4.34		0.0404	0.119	1	08/29/2017 16:37	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*08/29/2017 16:37*	WG1014739

Volatile Organic Compounds (GC/MS) 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	08/28/2017 17:23	WG1014254
Acrylonitrile	U		0.00213	0.0119	1	08/28/2017 17:23	WG1014254
Benzene	U		0.000322	0.00119	1	08/28/2017 17:23	WG1014254
Bromobenzene	U		0.000339	0.00119	1	08/28/2017 17:23	WG1014254
Bromodichloromethane	U		0.000303	0.00119	1	08/28/2017 17:23	WG1014254
Bromochloromethane	U		0.000465	0.00596	1	08/28/2017 17:23	WG1014254
Bromoform	U		0.000506	0.00119	1	08/28/2017 17:23	WG1014254
Bromomethane	U		0.00160	0.00596	1	08/28/2017 17:23	WG1014254
n-Butylbenzene	U		0.000308	0.00119	1	08/28/2017 17:23	WG1014254
sec-Butylbenzene	U		0.000240	0.00119	1	08/28/2017 17:23	WG1014254
tert-Butylbenzene	U		0.000246	0.00119	1	08/28/2017 17:23	WG1014254
Carbon disulfide	U		0.000264	0.00119	1	08/28/2017 17:23	WG1014254
Carbon tetrachloride	U		0.000391	0.00119	1	08/28/2017 17:23	WG1014254
Chlorobenzene	U		0.000253	0.00119	1	08/28/2017 17:23	WG1014254
Chlorodibromomethane	U		0.000445	0.00119	1	08/28/2017 17:23	WG1014254
Chloroethane	U		0.00113	0.00596	1	08/28/2017 17:23	WG1014254
Chloroform	U		0.000273	0.00596	1	08/28/2017 17:23	WG1014254
Chloromethane	U		0.000447	0.00298	1	08/28/2017 17:23	WG1014254
2-Chlorotoluene	U		0.000359	0.00119	1	08/28/2017 17:23	WG1014254
4-Chlorotoluene	U		0.000286	0.00119	1	08/28/2017 17:23	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00596	1	08/28/2017 17:23	WG1014254
1,2-Dibromoethane	U		0.000409	0.00119	1	08/28/2017 17:23	WG1014254
Dibromomethane	U		0.000456	0.00119	1	08/28/2017 17:23	WG1014254
1,2-Dichlorobenzene	U		0.000364	0.00119	1	08/28/2017 17:23	WG1014254
1,3-Dichlorobenzene	U		0.000285	0.00119	1	08/28/2017 17:23	WG1014254
1,4-Dichlorobenzene	U		0.000270	0.00119	1	08/28/2017 17:23	WG1014254
Dichlorodifluoromethane	U		0.000850	0.00596	1	08/28/2017 17:23	WG1014254
1,1-Dichloroethane	U		0.000237	0.00119	1	08/28/2017 17:23	WG1014254
1,2-Dichloroethane	U		0.000316	0.00119	1	08/28/2017 17:23	WG1014254
1,1-Dichloroethene	0.0119		0.000361	0.00119	1	08/28/2017 17:23	WG1014254
cis-1,2-Dichloroethene	12.8		0.147	0.626	525	08/29/2017 17:16	WG1014254
trans-1,2-Dichloroethene	0.00769		0.000315	0.00119	1	08/28/2017 17:23	WG1014254
1,2-Dichloropropane	U		0.000427	0.00119	1	08/28/2017 17:23	WG1014254
1,1-Dichloropropene	U		0.000378	0.00119	1	08/28/2017 17:23	WG1014254
1,3-Dichloropropane	U		0.000247	0.00119	1	08/28/2017 17:23	WG1014254
cis-1,3-Dichloropropene	U		0.000312	0.00119	1	08/28/2017 17:23	WG1014254
trans-1,3-Dichloropropene	U		0.000318	0.00119	1	08/28/2017 17:23	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000928	0.00298	1	08/28/2017 17:23	WG1014254
2,2-Dichloropropane	U		0.000333	0.00119	1	08/28/2017 17:23	WG1014254
Di-isopropyl ether	U		0.000296	0.00119	1	08/28/2017 17:23	WG1014254
Ethylbenzene	U		0.000354	0.00119	1	08/28/2017 17:23	WG1014254
Hexachloro-1,3-butadiene	U		0.000408	0.00119	1	08/28/2017 17:23	WG1014254
2-Hexanone	U		0.00163	0.0119	1	08/28/2017 17:23	WG1014254
n-Hexane	U		0.000346	0.0119	1	08/28/2017 17:23	WG1014254

JC 9/18/2017

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		0.00302	0.0119	1	08/28/2017 17:23	WG1014254
Isopropylbenzene	U		0.000290	0.00119	1	08/28/2017 17:23	WG1014254
p-Isopropyltoluene	U		0.000243	0.00119	1	08/28/2017 17:23	WG1014254
2-Butanone (MEK)	U		0.00558	0.0119	1	08/28/2017 17:23	WG1014254
Methylene Chloride	U		0.00119	0.00596	1	08/28/2017 17:23	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	08/28/2017 17:23	WG1014254
Methyl tert-butyl ether	U		0.000253	0.00119	1	08/28/2017 17:23	WG1014254
Naphthalene	U		0.00119	0.00596	1	08/28/2017 17:23	WG1014254
n-Propylbenzene	U		0.000246	0.00119	1	08/28/2017 17:23	WG1014254
Styrene	U		0.000279	0.00119	1	08/28/2017 17:23	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	08/28/2017 17:23	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000435	0.00119	1	08/28/2017 17:23	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000435	0.00119	1	08/28/2017 17:23	WG1014254
Tetrachloroethene	10.6		0.173	0.626	525	08/29/2017 17:16	WG1014254
Toluene	U		0.000518	0.00596	1	08/28/2017 17:23	WG1014254
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	08/28/2017 17:23	WG1014254
1,2,4-Trichlorobenzene	U		0.000463	0.00119	1	08/28/2017 17:23	WG1014254
1,1,1-Trichloroethane	U		0.000341	0.00119	1	08/28/2017 17:23	WG1014254
1,1,2-Trichloroethane	U		0.000330	0.00119	1	08/28/2017 17:23	WG1014254
Trichloroethene	2.71		0.0174	0.0626	52.5	08/29/2017 14:39	WG1014254
Trichlorofluoromethane	U		0.000456	0.00596	1	08/28/2017 17:23	WG1014254
1,2,3-Trichloropropane	U		0.000884	0.00298	1	08/28/2017 17:23	WG1014254
1,2,4-Trimethylbenzene	0.000329	J J	0.000252	0.00119	1	08/28/2017 17:23	WG1014254
1,2,3-Trimethylbenzene	U		0.000342	0.00119	1	08/28/2017 17:23	WG1014254
1,3,5-Trimethylbenzene	U		0.000317	0.00119	1	08/28/2017 17:23	WG1014254
Vinyl acetate	U		0.00285	0.0119	1	08/28/2017 17:23	WG1014254
Vinyl chloride	0.405		0.0182	0.0626	52.5	08/29/2017 14:39	WG1014254
Xylenes, Total	U		0.000832	0.00358	1	08/28/2017 17:23	WG1014254
(S) Toluene-d8	*107*			*80.0-120*		*08/29/2017 14:39*	WG1014254
(S) Toluene-d8	*101*			*80.0-120*		*08/29/2017 17:16*	WG1014254
(S) Toluene-d8	*95.8*			*80.0-120*		*08/28/2017 17:23*	WG1014254
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*08/29/2017 14:39*	WG1014254
(S) Dibromofluoromethane	*105*			*74.0-131*		*08/28/2017 17:23*	WG1014254
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*08/29/2017 17:16*	WG1014254
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*08/29/2017 17:16*	WG1014254
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*08/28/2017 17:23*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 14:39*	WG1014254

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.2		1	08/31/2017 12:03	WG1015517

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	5.09		0.0406	0.120	1.01	08/29/2017 17:00	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*94.8*			*77.0-120*		*08/29/2017 17:00*	WG1014739

Volatile Organic Compounds (GC/MS) 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	0.0594	1	08/28/2017 17:43	WG1014254
Acrylonitrile	U		0.00213	0.0119	1	08/28/2017 17:43	WG1014254
Benzene	U		0.000321	0.00119	1	08/28/2017 17:43	WG1014254
Bromobenzene	U		0.000337	0.00119	1	08/28/2017 17:43	WG1014254
Bromodichloromethane	U		0.000302	0.00119	1	08/28/2017 17:43	WG1014254
Bromochloromethane	U		0.000463	0.00594	1	08/28/2017 17:43	WG1014254
Bromoform	U		0.000503	0.00119	1	08/28/2017 17:43	WG1014254
Bromomethane	U		0.00159	0.00594	1	08/28/2017 17:43	WG1014254
n-Butylbenzene	U		0.000306	0.00119	1	08/28/2017 17:43	WG1014254
sec-Butylbenzene	U		0.000239	0.00119	1	08/28/2017 17:43	WG1014254
tert-Butylbenzene	U		0.000245	0.00119	1	08/28/2017 17:43	WG1014254
Carbon disulfide	0.00207		0.000262	0.00119	1	08/28/2017 17:43	WG1014254
Carbon tetrachloride	U		0.000389	0.00119	1	08/28/2017 17:43	WG1014254
Chlorobenzene	U		0.000252	0.00119	1	08/28/2017 17:43	WG1014254
Chlorodibromomethane	U		0.000443	0.00119	1	08/28/2017 17:43	WG1014254
Chloroethane	U		0.00112	0.00594	1	08/28/2017 17:43	WG1014254
Chloroform	U		0.000272	0.00594	1	08/28/2017 17:43	WG1014254
Chloromethane	U		0.000445	0.00297	1	08/28/2017 17:43	WG1014254
2-Chlorotoluene	U		0.000357	0.00119	1	08/28/2017 17:43	WG1014254
4-Chlorotoluene	U		0.000285	0.00119	1	08/28/2017 17:43	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00594	1	08/28/2017 17:43	WG1014254
1,2-Dibromoethane	U		0.000407	0.00119	1	08/28/2017 17:43	WG1014254
Dibromomethane	U		0.000454	0.00119	1	08/28/2017 17:43	WG1014254
1,2-Dichlorobenzene	U		0.000362	0.00119	1	08/28/2017 17:43	WG1014254
1,3-Dichlorobenzene	U		0.000284	0.00119	1	08/28/2017 17:43	WG1014254
1,4-Dichlorobenzene	U		0.000268	0.00119	1	08/28/2017 17:43	WG1014254
Dichlorodifluoromethane	U		0.000847	0.00594	1	08/28/2017 17:43	WG1014254
1,1-Dichloroethane	U		0.000236	0.00119	1	08/28/2017 17:43	WG1014254
1,2-Dichloroethane	U		0.000315	0.00119	1	08/28/2017 17:43	WG1014254
1,1-Dichloroethene	0.00157		0.000360	0.00119	1	08/28/2017 17:43	WG1014254
cis-1,2-Dichloroethene	5.35		0.0198	0.0843	71	08/29/2017 14:58	WG1014254
trans-1,2-Dichloroethene	0.00859		0.000313	0.00119	1	08/28/2017 17:43	WG1014254
1,2-Dichloropropane	U		0.000425	0.00119	1	08/28/2017 17:43	WG1014254
1,1-Dichloropropene	U		0.000376	0.00119	1	08/28/2017 17:43	WG1014254
1,3-Dichloropropane	U		0.000246	0.00119	1	08/28/2017 17:43	WG1014254
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	08/28/2017 17:43	WG1014254
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	08/28/2017 17:43	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000924	0.00297	1	08/28/2017 17:43	WG1014254
2,2-Dichloropropane	U		0.000331	0.00119	1	08/28/2017 17:43	WG1014254
Di-isopropyl ether	U		0.000294	0.00119	1	08/28/2017 17:43	WG1014254
Ethylbenzene	U		0.000353	0.00119	1	08/28/2017 17:43	WG1014254
Hexachloro-1,3-butadiene	U		0.000406	0.00119	1	08/28/2017 17:43	WG1014254
2-Hexanone	U		0.00163	0.0119	1	08/28/2017 17:43	WG1014254
n-Hexane	U		0.000344	0.0119	1	08/28/2017 17:43	WG1014254

JC 9/18/2017

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		0.00300	0.0119	1	08/28/2017 17:43	WG1014254
Isopropylbenzene	U		0.000289	0.00119	1	08/28/2017 17:43	WG1014254
p-Isopropyltoluene	U		0.000242	0.00119	1	08/28/2017 17:43	WG1014254
2-Butanone (MEK)	U		0.00556	0.0119	1	08/28/2017 17:43	WG1014254
Methylene Chloride	U		0.00119	0.00594	1	08/28/2017 17:43	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	08/28/2017 17:43	WG1014254
Methyl tert-butyl ether	U		0.000252	0.00119	1	08/28/2017 17:43	WG1014254
Naphthalene	U		0.00119	0.00594	1	08/28/2017 17:43	WG1014254
n-Propylbenzene	U		0.000245	0.00119	1	08/28/2017 17:43	WG1014254
Styrene	U		0.000278	0.00119	1	08/28/2017 17:43	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000313	0.00119	1	08/28/2017 17:43	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000433	0.00119	1	08/28/2017 17:43	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000433	0.00119	1	08/28/2017 17:43	WG1014254
Tetrachloroethene	69.7		2.33	8.43	7100	08/29/2017 17:35	WG1014254
Toluene	U		0.000515	0.00594	1	08/28/2017 17:43	WG1014254
1,2,3-Trichlorobenzene	U		0.000363	0.00119	1	08/28/2017 17:43	WG1014254
1,2,4-Trichlorobenzene	U		0.000461	0.00119	1	08/28/2017 17:43	WG1014254
1,1,1-Trichloroethane	U		0.000340	0.00119	1	08/28/2017 17:43	WG1014254
1,1,2-Trichloroethane	U		0.000329	0.00119	1	08/28/2017 17:43	WG1014254
Trichloroethene	3.10		0.0235	0.0843	71	08/29/2017 14:58	WG1014254
Trichlorofluoromethane	U		0.000454	0.00594	1	08/28/2017 17:43	WG1014254
1,2,3-Trichloropropane	U		0.000880	0.00297	1	08/28/2017 17:43	WG1014254
1,2,4-Trimethylbenzene	0.000717 J	J	0.000251	0.00119	1	08/28/2017 17:43	WG1014254
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	08/28/2017 17:43	WG1014254
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	08/28/2017 17:43	WG1014254
Vinyl acetate	U		0.00284	0.0119	1	08/28/2017 17:43	WG1014254
Vinyl chloride	0.00963		0.000345	0.00119	1	08/28/2017 17:43	WG1014254
Xylenes, Total	U		0.000829	0.00356	1	08/28/2017 17:43	WG1014254
(S) Toluene-d8	*103*			*80.0-120*		*08/29/2017 17:35*	WG1014254
(S) Toluene-d8	*98.7*			*80.0-120*		*08/28/2017 17:43*	WG1014254
(S) Toluene-d8	*105*			*80.0-120*		*08/29/2017 14:58*	WG1014254
(S) Dibromofluoromethane	*100*			*74.0-131*		*08/29/2017 14:58*	WG1014254
(S) Dibromofluoromethane	*107*			*74.0-131*		*08/28/2017 17:43*	WG1014254
(S) Dibromofluoromethane	*99.7*			*74.0-131*		*08/29/2017 17:35*	WG1014254
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*08/29/2017 17:35*	WG1014254
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*08/28/2017 17:43*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 14:58*	WG1014254

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	08/31/2017 12:03	WG1015517

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	0.157		0.0368	0.109	1	08/29/2017 17:22	WG1014739
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*77.0-120*		*08/29/2017 17:22*	WG1014739

Volatile Organic Compounds (GC/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 J0	0.0109	0.0543	1	08/28/2017 18:03	WG1014254
Acrylonitrile	U		0.00194	0.0109	1	08/28/2017 18:03	WG1014254
Benzene	U		0.000293	0.00109	1	08/28/2017 18:03	WG1014254
Bromobenzene	U		0.000309	0.00109	1	08/28/2017 18:03	WG1014254
Bromodichloromethane	U		0.000276	0.00109	1	08/28/2017 18:03	WG1014254
Bromochloromethane	U		0.000424	0.00543	1	08/28/2017 18:03	WG1014254
Bromoform	U		0.000461	0.00109	1	08/28/2017 18:03	WG1014254
Bromomethane	U		0.00146	0.00543	1	08/28/2017 18:03	WG1014254
n-Butylbenzene	U		0.000280	0.00109	1	08/28/2017 18:03	WG1014254
sec-Butylbenzene	U		0.000218	0.00109	1	08/28/2017 18:03	WG1014254
tert-Butylbenzene	U		0.000224	0.00109	1	08/28/2017 18:03	WG1014254
Carbon disulfide	0.00114		0.000240	0.00109	1	08/28/2017 18:03	WG1014254
Carbon tetrachloride	U		0.000356	0.00109	1	08/28/2017 18:03	WG1014254
Chlorobenzene	U		0.000230	0.00109	1	08/28/2017 18:03	WG1014254
Chlorodibromomethane	U		0.000405	0.00109	1	08/28/2017 18:03	WG1014254
Chloroethane	U		0.00103	0.00543	1	08/28/2017 18:03	WG1014254
Chloroform	U		0.000249	0.00543	1	08/28/2017 18:03	WG1014254
Chloromethane	U		0.000407	0.00272	1	08/28/2017 18:03	WG1014254
2-Chlorotoluene	U		0.000327	0.00109	1	08/28/2017 18:03	WG1014254
4-Chlorotoluene	U		0.000261	0.00109	1	08/28/2017 18:03	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	08/28/2017 18:03	WG1014254
1,2-Dibromoethane	U		0.000373	0.00109	1	08/28/2017 18:03	WG1014254
Dibromomethane	U		0.000415	0.00109	1	08/28/2017 18:03	WG1014254
1,2-Dichlorobenzene	U		0.000331	0.00109	1	08/28/2017 18:03	WG1014254
1,3-Dichlorobenzene	U		0.000260	0.00109	1	08/28/2017 18:03	WG1014254
1,4-Dichlorobenzene	U		0.000246	0.00109	1	08/28/2017 18:03	WG1014254
Dichlorodifluoromethane	U		0.000775	0.00543	1	08/28/2017 18:03	WG1014254
1,1-Dichloroethane	U		0.000216	0.00109	1	08/28/2017 18:03	WG1014254
1,2-Dichloroethane	U		0.000288	0.00109	1	08/28/2017 18:03	WG1014254
1,1-Dichloroethene	U		0.000329	0.00109	1	08/28/2017 18:03	WG1014254
cis-1,2-Dichloroethene	0.0594		0.00759	0.0323	29.75	08/29/2017 15:18	WG1014254
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	08/28/2017 18:03	WG1014254
1,2-Dichloropropane	U		0.000389	0.00109	1	08/28/2017 18:03	WG1014254
1,1-Dichloropropene	U		0.000344	0.00109	1	08/28/2017 18:03	WG1014254
1,3-Dichloropropane	U		0.000225	0.00109	1	08/28/2017 18:03	WG1014254
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	08/28/2017 18:03	WG1014254
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	08/28/2017 18:03	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000845	0.00272	1	08/28/2017 18:03	WG1014254
2,2-Dichloropropane	U		0.000303	0.00109	1	08/28/2017 18:03	WG1014254
Di-isopropyl ether	U		0.000269	0.00109	1	08/28/2017 18:03	WG1014254
Ethylbenzene	U		0.000323	0.00109	1	08/28/2017 18:03	WG1014254
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	08/28/2017 18:03	WG1014254
2-Hexanone	U		0.00149	0.0109	1	08/28/2017 18:03	WG1014254
n-Hexane	0.00123 J	J	0.000315	0.0109	1	08/28/2017 18:03	WG1014254

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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		0.00275	0.0109	1	08/28/2017 18:03	WG1014254
Isopropylbenzene	U		0.000264	0.00109	1	08/28/2017 18:03	WG1014254
p-Isopropyltoluene	U		0.000222	0.00109	1	08/28/2017 18:03	WG1014254
2-Butanone (MEK)	U		0.00508	0.0109	1	08/28/2017 18:03	WG1014254
Methylene Chloride	U		0.00109	0.00543	1	08/28/2017 18:03	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	08/28/2017 18:03	WG1014254
Methyl tert-butyl ether	U		0.000230	0.00109	1	08/28/2017 18:03	WG1014254
Naphthalene	U		0.00109	0.00543	1	08/28/2017 18:03	WG1014254
n-Propylbenzene	U		0.000224	0.00109	1	08/28/2017 18:03	WG1014254
Styrene	U		0.000254	0.00109	1	08/28/2017 18:03	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	08/28/2017 18:03	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	08/28/2017 18:03	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	08/28/2017 18:03	WG1014254
Tetrachloroethene	8.68		0.178	0.646	595	08/29/2017 17:55	WG1014254
Toluene	U		0.000471	0.00543	1	08/28/2017 18:03	WG1014254
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	08/28/2017 18:03	WG1014254
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	08/28/2017 18:03	WG1014254
1,1,1-Trichloroethane	U		0.000311	0.00109	1	08/28/2017 18:03	WG1014254
1,1,2-Trichloroethane	U		0.000301	0.00109	1	08/28/2017 18:03	WG1014254
Trichloroethene	0.0673		0.00902	0.0323	29.75	08/29/2017 15:18	WG1014254
Trichlorofluoromethane	U		0.000415	0.00543	1	08/28/2017 18:03	WG1014254
1,2,3-Trichloropropane	U		0.000805	0.00272	1	08/28/2017 18:03	WG1014254
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	08/28/2017 18:03	WG1014254
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	08/28/2017 18:03	WG1014254
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	08/28/2017 18:03	WG1014254
Vinyl acetate	U		0.00260	0.0109	1	08/28/2017 18:03	WG1014254
Vinyl chloride	0.00105	J J	0.000316	0.00109	1	08/28/2017 18:03	WG1014254
Xylenes, Total	U		0.000758	0.00326	1	08/28/2017 18:03	WG1014254
(S) Toluene-d8	*96.3*			*80.0-120*		*08/29/2017 15:18*	WG1014254
(S) Toluene-d8	*98.9*			*80.0-120*		*08/28/2017 18:03*	WG1014254
(S) Toluene-d8	*102*			*80.0-120*		*08/29/2017 17:55*	WG1014254
(S) Dibromofluoromethane	*108*			*74.0-131*		*08/28/2017 18:03*	WG1014254
(S) Dibromofluoromethane	*100*			*74.0-131*		*08/29/2017 15:18*	WG1014254
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*08/29/2017 17:55*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 15:18*	WG1014254
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*08/29/2017 17:55*	WG1014254
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*08/28/2017 18:03*	WG1014254

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	08/31/2017 10:33	WG1015137

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0135 J	J J0	0.0113	0.0565	1	08/28/2017 18:22	WG1014254
Acrylonitrile	U		0.00202	0.0113	1	08/28/2017 18:22	WG1014254
Benzene	U		0.000305	0.00113	1	08/28/2017 18:22	WG1014254
Bromobenzene	U		0.000321	0.00113	1	08/28/2017 18:22	WG1014254
Bromodichloromethane	U		0.000287	0.00113	1	08/28/2017 18:22	WG1014254
Bromochloromethane	U		0.000441	0.00565	1	08/28/2017 18:22	WG1014254
Bromoform	U		0.000480	0.00113	1	08/28/2017 18:22	WG1014254
Bromomethane	U		0.00152	0.00565	1	08/28/2017 18:22	WG1014254
n-Butylbenzene	U		0.000292	0.00113	1	08/28/2017 18:22	WG1014254
sec-Butylbenzene	U		0.000227	0.00113	1	08/28/2017 18:22	WG1014254
tert-Butylbenzene	U		0.000233	0.00113	1	08/28/2017 18:22	WG1014254
Carbon disulfide	0.000864 J	J	0.000250	0.00113	1	08/28/2017 18:22	WG1014254
Carbon tetrachloride	U		0.000371	0.00113	1	08/28/2017 18:22	WG1014254
Chlorobenzene	U		0.000240	0.00113	1	08/28/2017 18:22	WG1014254
Chlorodibromomethane	U		0.000422	0.00113	1	08/28/2017 18:22	WG1014254
Chloroethane	U		0.00107	0.00565	1	08/28/2017 18:22	WG1014254
Chloroform	U		0.000259	0.00565	1	08/28/2017 18:22	WG1014254
Chloromethane	U		0.000424	0.00283	1	08/28/2017 18:22	WG1014254
2-Chlorotoluene	U		0.000340	0.00113	1	08/28/2017 18:22	WG1014254
4-Chlorotoluene	U		0.000271	0.00113	1	08/28/2017 18:22	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	08/28/2017 18:22	WG1014254
1,2-Dibromoethane	U		0.000388	0.00113	1	08/28/2017 18:22	WG1014254
Dibromomethane	U		0.000432	0.00113	1	08/28/2017 18:22	WG1014254
1,2-Dichlorobenzene	U		0.000345	0.00113	1	08/28/2017 18:22	WG1014254
1,3-Dichlorobenzene	U		0.000270	0.00113	1	08/28/2017 18:22	WG1014254
1,4-Dichlorobenzene	U		0.000256	0.00113	1	08/28/2017 18:22	WG1014254
Dichlorodifluoromethane	U		0.000806	0.00565	1	08/28/2017 18:22	WG1014254
1,1-Dichloroethane	U		0.000225	0.00113	1	08/28/2017 18:22	WG1014254
1,2-Dichloroethane	U		0.000300	0.00113	1	08/28/2017 18:22	WG1014254
1,1-Dichloroethene	0.000572 J	J	0.000343	0.00113	1	08/28/2017 18:22	WG1014254
cis-1,2-Dichloroethene	0.152		0.000266	0.00113	1	08/28/2017 18:22	WG1014254
trans-1,2-Dichloroethene	0.00577		0.000299	0.00113	1	08/28/2017 18:22	WG1014254
1,2-Dichloropropane	U		0.000405	0.00113	1	08/28/2017 18:22	WG1014254
1,1-Dichloropropene	U		0.000359	0.00113	1	08/28/2017 18:22	WG1014254
1,3-Dichloropropane	U		0.000234	0.00113	1	08/28/2017 18:22	WG1014254
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	08/28/2017 18:22	WG1014254
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	08/28/2017 18:22	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	08/28/2017 18:22	WG1014254
2,2-Dichloropropane	U		0.000316	0.00113	1	08/28/2017 18:22	WG1014254
Di-isopropyl ether	U		0.000280	0.00113	1	08/28/2017 18:22	WG1014254
Ethylbenzene	U		0.000336	0.00113	1	08/28/2017 18:22	WG1014254
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	08/28/2017 18:22	WG1014254
2-Hexanone	U		0.00155	0.0113	1	08/28/2017 18:22	WG1014254
n-Hexane	0.000628 J	J	0.000328	0.0113	1	08/28/2017 18:22	WG1014254
Iodomethane	U		0.00286	0.0113	1	08/28/2017 18:22	WG1014254
Isopropylbenzene	U		0.000275	0.00113	1	08/28/2017 18:22	WG1014254
p-Isopropyltoluene	U		0.000231	0.00113	1	08/28/2017 18:22	WG1014254
2-Butanone (MEK)	U		0.00529	0.0113	1	08/28/2017 18:22	WG1014254
Methylene Chloride	U		0.00113	0.00565	1	08/28/2017 18:22	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	08/28/2017 18:22	WG1014254

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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	08/28/2017 18:22	WG1014254
Naphthalene	U		0.00113	0.00565	1	08/28/2017 18:22	WG1014254
n-Propylbenzene	U		0.000233	0.00113	1	08/28/2017 18:22	WG1014254
Styrene	U		0.000265	0.00113	1	08/28/2017 18:22	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	08/28/2017 18:22	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	08/28/2017 18:22	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	08/28/2017 18:22	WG1014254
Tetrachloroethene	0.407	J	0.00780	0.0283	25	08/29/2017 18:14	WG1014254
Toluene	U		0.000491	0.00565	1	08/28/2017 18:22	WG1014254
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	08/28/2017 18:22	WG1014254
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	08/28/2017 18:22	WG1014254
1,1,1-Trichloroethane	U		0.000323	0.00113	1	08/28/2017 18:22	WG1014254
1,1,2-Trichloroethane	U		0.000313	0.00113	1	08/28/2017 18:22	WG1014254
Trichloroethene	0.00118		0.000316	0.00113	1	08/29/2017 15:38	WG1014254
Trichlorofluoromethane	U		0.000432	0.00565	1	08/28/2017 18:22	WG1014254
1,2,3-Trichloropropane	U		0.000838	0.00283	1	08/28/2017 18:22	WG1014254
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	08/28/2017 18:22	WG1014254
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	08/28/2017 18:22	WG1014254
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	08/28/2017 18:22	WG1014254
Vinyl acetate	U		0.00270	0.0113	1	08/28/2017 18:22	WG1014254
Vinyl chloride	0.00719		0.000329	0.00113	1	08/28/2017 18:22	WG1014254
Xylenes, Total	U		0.000789	0.00339	1	08/28/2017 18:22	WG1014254
(S) Toluene-d8	*93.6*			*80.0-120*		*08/29/2017 15:38*	WG1014254
(S) Toluene-d8	*98.1*			*80.0-120*		*08/29/2017 18:14*	WG1014254
(S) Toluene-d8	*96.3*			*80.0-120*		*08/28/2017 18:22*	WG1014254
(S) Dibromofluoromethane	*103*			*74.0-131*		*08/29/2017 15:38*	WG1014254
(S) Dibromofluoromethane	*102*			*74.0-131*		*08/29/2017 18:14*	WG1014254
(S) Dibromofluoromethane	*109*			*74.0-131*		*08/28/2017 18:22*	WG1014254
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*08/29/2017 18:14*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/28/2017 18:22*	WG1014254
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*08/29/2017 15:38*	WG1014254

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.6		1	08/30/2017 16:41	WG1015141

Volatile Organic Compounds (GC/MS) 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	0.0591	1	08/28/2017 18:42	WG1014254
Acrylonitrile	U		0.00212	0.0118	1	08/28/2017 18:42	WG1014254
Benzene	U		0.000319	0.00118	1	08/28/2017 18:42	WG1014254
Bromobenzene	U		0.000336	0.00118	1	08/28/2017 18:42	WG1014254
Bromodichloromethane	U		0.000300	0.00118	1	08/28/2017 18:42	WG1014254
Bromochloromethane	U		0.000461	0.00591	1	08/28/2017 18:42	WG1014254
Bromoform	U		0.000501	0.00118	1	08/28/2017 18:42	WG1014254
Bromomethane	U		0.00158	0.00591	1	08/28/2017 18:42	WG1014254
n-Butylbenzene	U		0.000305	0.00118	1	08/28/2017 18:42	WG1014254
sec-Butylbenzene	U		0.000238	0.00118	1	08/28/2017 18:42	WG1014254
tert-Butylbenzene	U		0.000243	0.00118	1	08/28/2017 18:42	WG1014254
Carbon disulfide	U		0.000261	0.00118	1	08/28/2017 18:42	WG1014254
Carbon tetrachloride	U		0.000388	0.00118	1	08/28/2017 18:42	WG1014254
Chlorobenzene	U		0.000251	0.00118	1	08/28/2017 18:42	WG1014254
Chlorodibromomethane	U		0.000441	0.00118	1	08/28/2017 18:42	WG1014254
Chloroethane	U		0.00112	0.00591	1	08/28/2017 18:42	WG1014254
Chloroform	U		0.000271	0.00591	1	08/28/2017 18:42	WG1014254
Chloromethane	U		0.000443	0.00295	1	08/28/2017 18:42	WG1014254
2-Chlorotoluene	U		0.000356	0.00118	1	08/28/2017 18:42	WG1014254
4-Chlorotoluene	U		0.000284	0.00118	1	08/28/2017 18:42	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00591	1	08/28/2017 18:42	WG1014254
1,2-Dibromoethane	U		0.000405	0.00118	1	08/28/2017 18:42	WG1014254
Dibromomethane	U		0.000451	0.00118	1	08/28/2017 18:42	WG1014254
1,2-Dichlorobenzene	U		0.000360	0.00118	1	08/28/2017 18:42	WG1014254
1,3-Dichlorobenzene	U		0.000282	0.00118	1	08/28/2017 18:42	WG1014254
1,4-Dichlorobenzene	U		0.000267	0.00118	1	08/28/2017 18:42	WG1014254
Dichlorodifluoromethane	U		0.000843	0.00591	1	08/28/2017 18:42	WG1014254
1,1-Dichloroethane	U		0.000235	0.00118	1	08/28/2017 18:42	WG1014254
1,2-Dichloroethane	U		0.000313	0.00118	1	08/28/2017 18:42	WG1014254
1,1-Dichloroethene	0.00125		0.000358	0.00118	1	08/28/2017 18:42	WG1014254
cis-1,2-Dichloroethene	0.0257		0.000278	0.00118	1	08/28/2017 18:42	WG1014254
trans-1,2-Dichloroethene	0.000708 J	J	0.000312	0.00118	1	08/28/2017 18:42	WG1014254
1,2-Dichloropropane	U		0.000423	0.00118	1	08/28/2017 18:42	WG1014254
1,1-Dichloropropene	U		0.000375	0.00118	1	08/28/2017 18:42	WG1014254
1,3-Dichloropropane	U		0.000245	0.00118	1	08/28/2017 18:42	WG1014254
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	08/28/2017 18:42	WG1014254
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	08/28/2017 18:42	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000920	0.00295	1	08/28/2017 18:42	WG1014254
2,2-Dichloropropane	U		0.000330	0.00118	1	08/28/2017 18:42	WG1014254
Di-isopropyl ether	U		0.000293	0.00118	1	08/28/2017 18:42	WG1014254
Ethylbenzene	U		0.000351	0.00118	1	08/28/2017 18:42	WG1014254
Hexachloro-1,3-butadiene	U		0.000404	0.00118	1	08/28/2017 18:42	WG1014254
2-Hexanone	U		0.00162	0.0118	1	08/28/2017 18:42	WG1014254
n-Hexane	U		0.000343	0.0118	1	08/28/2017 18:42	WG1014254
Iodomethane	U		0.00299	0.0118	1	08/28/2017 18:42	WG1014254
Isopropylbenzene	U		0.000287	0.00118	1	08/28/2017 18:42	WG1014254
p-Isopropyltoluene	U		0.000241	0.00118	1	08/28/2017 18:42	WG1014254
2-Butanone (MEK)	U		0.00553	0.0118	1	08/28/2017 18:42	WG1014254
Methylene Chloride	U		0.00118	0.00591	1	08/28/2017 18:42	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	08/28/2017 18:42	WG1014254

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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	0.00118	1	08/28/2017 18:42	WG1014254
Naphthalene	U		0.00118	0.00591	1	08/28/2017 18:42	WG1014254
n-Propylbenzene	U		0.000243	0.00118	1	08/28/2017 18:42	WG1014254
Styrene	U		0.000277	0.00118	1	08/28/2017 18:42	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	08/28/2017 18:42	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	08/28/2017 18:42	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	08/28/2017 18:42	WG1014254
Tetrachloroethene	U		0.00816	0.0295	25	08/29/2017 18:34	WG1014254
Toluene	U		0.000513	0.00591	1	08/28/2017 18:42	WG1014254
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	08/28/2017 18:42	WG1014254
1,2,4-Trichlorobenzene	U		0.000459	0.00118	1	08/28/2017 18:42	WG1014254
1,1,1-Trichloroethane	U		0.000338	0.00118	1	08/28/2017 18:42	WG1014254
1,1,2-Trichloroethane	U		0.000327	0.00118	1	08/28/2017 18:42	WG1014254
Trichloroethene	0.000689 J	J	0.000330	0.00118	1	08/29/2017 15:57	WG1014254
Trichlorofluoromethane	U		0.000451	0.00591	1	08/28/2017 18:42	WG1014254
1,2,3-Trichloropropane	U		0.000876	0.00295	1	08/28/2017 18:42	WG1014254
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	08/28/2017 18:42	WG1014254
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	08/28/2017 18:42	WG1014254
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	08/28/2017 18:42	WG1014254
Vinyl acetate	U		0.00282	0.0118	1	08/28/2017 18:42	WG1014254
Vinyl chloride	0.00270		0.000344	0.00118	1	08/28/2017 18:42	WG1014254
Xylenes, Total	U		0.000825	0.00355	1	08/28/2017 18:42	WG1014254
(S) Toluene-d8	*107*			*80.0-120*		*08/29/2017 18:34*	WG1014254
(S) Toluene-d8	*97.0*			*80.0-120*		*08/28/2017 18:42*	WG1014254
(S) Toluene-d8	*93.8*			*80.0-120*		*08/29/2017 15:57*	WG1014254
(S) Dibromofluoromethane	*106*			*74.0-131*		*08/28/2017 18:42*	WG1014254
(S) Dibromofluoromethane	*104*			*74.0-131*		*08/29/2017 15:57*	WG1014254
(S) Dibromofluoromethane	*101*			*74.0-131*		*08/29/2017 18:34*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/28/2017 18:42*	WG1014254
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*08/29/2017 18:34*	WG1014254
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*08/29/2017 15:57*	WG1014254

Sample Narrative:

L932059-09 WG1014254: No stir bars remain for analysis.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	08/30/2017 16:41	WG1015141

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0123 J	J J0	0.0109	0.0544	1	08/28/2017 19:01	WG1014254
Acrylonitrile	U		0.00195	0.0109	1	08/28/2017 19:01	WG1014254
Benzene	U		0.000294	0.00109	1	08/28/2017 19:01	WG1014254
Bromobenzene	U		0.000309	0.00109	1	08/28/2017 19:01	WG1014254
Bromodichloromethane	U		0.000276	0.00109	1	08/28/2017 19:01	WG1014254
Bromochloromethane	U		0.000424	0.00544	1	08/28/2017 19:01	WG1014254
Bromoform	U		0.000461	0.00109	1	08/28/2017 19:01	WG1014254
Bromomethane	U		0.00146	0.00544	1	08/28/2017 19:01	WG1014254
n-Butylbenzene	U		0.000281	0.00109	1	08/28/2017 19:01	WG1014254
sec-Butylbenzene	U		0.000219	0.00109	1	08/28/2017 19:01	WG1014254
tert-Butylbenzene	U		0.000224	0.00109	1	08/28/2017 19:01	WG1014254
Carbon disulfide	0.00136		0.000240	0.00109	1	08/28/2017 19:01	WG1014254
Carbon tetrachloride	U		0.000357	0.00109	1	08/28/2017 19:01	WG1014254
Chlorobenzene	U		0.000231	0.00109	1	08/28/2017 19:01	WG1014254
Chlorodibromomethane	U		0.000406	0.00109	1	08/28/2017 19:01	WG1014254
Chloroethane	U		0.00103	0.00544	1	08/28/2017 19:01	WG1014254
Chloroform	U		0.000249	0.00544	1	08/28/2017 19:01	WG1014254
Chloromethane	U		0.000408	0.00272	1	08/28/2017 19:01	WG1014254
2-Chlorotoluene	U		0.000328	0.00109	1	08/28/2017 19:01	WG1014254
4-Chlorotoluene	U		0.000261	0.00109	1	08/28/2017 19:01	WG1014254
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	08/28/2017 19:01	WG1014254
1,2-Dibromoethane	U		0.000373	0.00109	1	08/28/2017 19:01	WG1014254
Dibromomethane	U		0.000416	0.00109	1	08/28/2017 19:01	WG1014254
1,2-Dichlorobenzene	U		0.000332	0.00109	1	08/28/2017 19:01	WG1014254
1,3-Dichlorobenzene	U		0.000260	0.00109	1	08/28/2017 19:01	WG1014254
1,4-Dichlorobenzene	U		0.000246	0.00109	1	08/28/2017 19:01	WG1014254
Dichlorodifluoromethane	U		0.000776	0.00544	1	08/28/2017 19:01	WG1014254
1,1-Dichloroethane	U		0.000217	0.00109	1	08/28/2017 19:01	WG1014254
1,2-Dichloroethane	U		0.000288	0.00109	1	08/28/2017 19:01	WG1014254
1,1-Dichloroethene	0.000656 J	J	0.000330	0.00109	1	08/28/2017 19:01	WG1014254
cis-1,2-Dichloroethene	0.160		0.000256	0.00109	1	08/28/2017 19:01	WG1014254
trans-1,2-Dichloroethene	0.00656		0.000287	0.00109	1	08/28/2017 19:01	WG1014254
1,2-Dichloropropane	U		0.000390	0.00109	1	08/28/2017 19:01	WG1014254
1,1-Dichloropropene	U		0.000345	0.00109	1	08/28/2017 19:01	WG1014254
1,3-Dichloropropane	U		0.000225	0.00109	1	08/28/2017 19:01	WG1014254
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	08/28/2017 19:01	WG1014254
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	08/28/2017 19:01	WG1014254
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	08/28/2017 19:01	WG1014254
2,2-Dichloropropane	U		0.000304	0.00109	1	08/28/2017 19:01	WG1014254
Di-isopropyl ether	U		0.000270	0.00109	1	08/28/2017 19:01	WG1014254
Ethylbenzene	U		0.000323	0.00109	1	08/28/2017 19:01	WG1014254
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	08/28/2017 19:01	WG1014254
2-Hexanone	U		0.00149	0.0109	1	08/28/2017 19:01	WG1014254
n-Hexane	0.000803 J	J	0.000316	0.0109	1	08/28/2017 19:01	WG1014254
Iodomethane	U		0.00275	0.0109	1	08/28/2017 19:01	WG1014254
Isopropylbenzene	U		0.000264	0.00109	1	08/28/2017 19:01	WG1014254
p-Isopropyltoluene	U		0.000222	0.00109	1	08/28/2017 19:01	WG1014254
2-Butanone (MEK)	U		0.00509	0.0109	1	08/28/2017 19:01	WG1014254
Methylene Chloride	U		0.00109	0.00544	1	08/28/2017 19:01	WG1014254
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	08/28/2017 19:01	WG1014254

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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		0.000231	0.00109	1	08/28/2017 19:01	WG1014254
Naphthalene	U		0.00109	0.00544	1	08/28/2017 19:01	WG1014254
n-Propylbenzene	U		0.000224	0.00109	1	08/28/2017 19:01	WG1014254
Styrene	U		0.000255	0.00109	1	08/28/2017 19:01	WG1014254
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	08/28/2017 19:01	WG1014254
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	08/28/2017 19:01	WG1014254
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	08/28/2017 19:01	WG1014254
Tetrachloroethene	0.0109	J	0.000300	0.00109	1	08/28/2017 19:01	WG1014254
Toluene	U		0.000472	0.00544	1	08/28/2017 19:01	WG1014254
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	08/28/2017 19:01	WG1014254
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	08/28/2017 19:01	WG1014254
1,1,1-Trichloroethane	U		0.000311	0.00109	1	08/28/2017 19:01	WG1014254
1,1,2-Trichloroethane	U		0.000301	0.00109	1	08/28/2017 19:01	WG1014254
Trichloroethene	0.00162		0.000304	0.00109	1	08/28/2017 19:01	WG1014254
Trichlorofluoromethane	U		0.000416	0.00544	1	08/28/2017 19:01	WG1014254
1,2,3-Trichloropropane	U		0.000806	0.00272	1	08/28/2017 19:01	WG1014254
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	08/28/2017 19:01	WG1014254
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	08/28/2017 19:01	WG1014254
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	08/28/2017 19:01	WG1014254
Vinyl acetate	U		0.00260	0.0109	1	08/28/2017 19:01	WG1014254
Vinyl chloride	0.00719		0.000317	0.00109	1	08/28/2017 19:01	WG1014254
Xylenes, Total	U		0.000760	0.00326	1	08/28/2017 19:01	WG1014254
(S) Toluene-d8	*97.2*			*80.0-120*		*08/28/2017 19:01*	WG1014254
(S) Dibromofluoromethane	*107*			*74.0-131*		*08/28/2017 19:01*	WG1014254
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*08/28/2017 19:01*	WG1014254

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ANALYTICAL REPORT

September 06, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L932260
Samples Received:	08/26/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

MW-135-65 L932260-01 Solid

Collected by: Shannon McKernan | Collected date/time: 08/24/17 13:50 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015695	1	08/31/17 14:52	08/31/17 15:04	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014832	1	08/24/17 13:50	08/29/17 20:27	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 13:50	08/31/17 23:13	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	09/01/17 13:30	09/02/17 13:26	BMB

B-208-50 L932260-02 Solid

Collected by: Shannon McKernan | Collected date/time: 08/24/17 14:05 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015508	1	08/31/17 12:56	08/31/17 13:09	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 14:05	08/31/17 23:30	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 14:05	09/02/17 13:46	BMB

B-208-60 L932260-03 Solid

Collected by: Shannon McKernan | Collected date/time: 08/24/17 14:35 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015511	1	08/31/17 14:14	08/31/17 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 14:35	08/31/17 23:47	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 14:35	09/02/17 14:07	BMB

MW-135-80 L932260-04 Solid

Collected by: Shannon McKernan | Collected date/time: 08/24/17 14:50 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015695	1	08/31/17 14:52	08/31/17 15:04	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014832	1	08/24/17 14:50	08/29/17 20:49	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 14:50	09/01/17 00:05	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	25	08/24/17 14:50	09/02/17 14:28	BMB

B-208-70 L932260-05 Solid

Collected by: Shannon McKernan | Collected date/time: 08/24/17 15:25 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015511	1	08/31/17 14:14	08/31/17 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 15:25	09/01/17 00:22	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 15:25	09/02/17 14:48	BMB

B-208-80 L932260-06 Solid

Collected by: Shannon McKernan | Collected date/time: 08/24/17 16:10 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015511	1	08/31/17 14:14	08/31/17 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 16:10	09/01/17 01:02	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/24/17 16:10	09/02/17 15:09	BMB

B-209-20 L932260-07 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 09:00 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015511	1	08/31/17 14:14	08/31/17 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 09:00	09/01/17 01:19	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 09:00	09/02/17 15:29	BMB

B-209-35 L932260-08 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 10:05 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015511	1	08/31/17 14:14	08/31/17 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 10:05	09/01/17 01:39	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 10:05	09/02/17 15:50	BMB

B-207-30 L932260-09 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 10:30 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015695	1	08/31/17 14:52	08/31/17 15:04	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014832	1	08/25/17 10:30	09/01/17 04:16	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	25	08/25/17 10:30	09/01/17 01:57	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	25	08/25/17 10:30	09/02/17 16:11	BMB

B-209-50 L932260-10 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 10:50 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015511	1	08/31/17 14:14	08/31/17 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 10:50	09/01/17 02:15	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 10:50	09/02/17 16:32	BMB

B-209-60 L932260-11 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 11:35 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015509	1	08/31/17 11:10	08/31/17 11:22	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 11:35	09/01/17 02:32	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 11:35	09/02/17 16:52	BMB

B-207-41 L932260-12 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 11:50 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015695	1	08/31/17 14:52	08/31/17 15:04	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014832	1	08/25/17 11:50	08/29/17 21:32	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 11:50	09/01/17 02:49	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	50	08/25/17 11:50	09/02/17 17:13	BMB

B-207-49 L932260-13 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 12:10 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015695	1	08/31/17 14:52	08/31/17 15:04	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014832	1	08/25/17 12:10	08/29/17 21:54	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 12:10	09/01/17 05:25	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	25	08/25/17 12:10	09/02/17 17:33	BMB

B-209-70 L932260-14 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 14:05 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015511	1	08/31/17 14:14	08/31/17 14:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 14:05	09/01/17 05:43	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1.29	08/25/17 14:05	09/02/17 17:54	BMB

B-209-75 L932260-15 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 14:10 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015509	1	08/31/17 11:10	08/31/17 11:22	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 14:10	09/01/17 06:00	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015912	1	08/25/17 14:10	09/02/17 18:14	BMB

B-209-80 L932260-16 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 14:20 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015509	1	08/31/17 11:10	08/31/17 11:22	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	1	08/25/17 14:20	08/31/17 02:05	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	1	08/25/17 14:20	09/04/17 15:58	JHH

B-207-55 L932260-17 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 14:20 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015695	1	08/31/17 14:52	08/31/17 15:04	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014832	1	08/25/17 14:20	08/29/17 22:24	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	1	08/25/17 14:20	08/31/17 02:25	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	65.5	08/25/17 14:20	09/04/17 16:18	JHH

B-207-60 L932260-18 Solid

Collected by: Shannon McKernan | Collected date/time: 08/25/17 14:45 | Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015695	1	08/31/17 14:52	08/31/17 15:04	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014832	1	08/25/17 14:45	08/29/17 22:46	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	1	08/25/17 14:45	08/31/17 02:46	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	25	08/25/17 14:45	09/04/17 16:37	JHH

B-207-70 L932260-19 Solid

Collected by: Shannon McKernan
Collected date/time: 08/25/17 15:10
Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015695	1	08/31/17 14:52	08/31/17 15:04	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014942	25	08/25/17 15:10	09/02/17 02:06	GLN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	1	08/25/17 15:10	08/31/17 03:07	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	25	08/25/17 15:10	09/04/17 16:57	JHH

B-207-80 L932260-20 Solid

Collected by: Shannon McKernan
Collected date/time: 08/25/17 15:50
Received date/time: 08/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1015695	1	08/31/17 14:52	08/31/17 15:04	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1014942	25	08/25/17 15:50	09/02/17 02:28	GLN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	1	08/25/17 15:50	08/31/17 03:27	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	100	08/25/17 15:50	09/04/17 17:17	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1014887	1000	08/25/17 15:50	09/05/17 17:16	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	84.3		1	08/31/2017 15:04	WG1015695

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	0.161	B	0.0402	0.119	1	08/29/2017 20:27	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*08/29/2017 20:27*	WG1014832

Volatile Organic Compounds (GC/MS) 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	08/31/2017 23:13	WG1015912
Acrylonitrile	U		0.00212	0.0119	1	08/31/2017 23:13	WG1015912
Benzene	U		0.000320	0.00119	1	08/31/2017 23:13	WG1015912
Bromobenzene	U		0.000337	0.00119	1	08/31/2017 23:13	WG1015912
Bromodichloromethane	U		0.000301	0.00119	1	08/31/2017 23:13	WG1015912
Bromochloromethane	U		0.000463	0.00593	1	08/31/2017 23:13	WG1015912
Bromoform	U	J0	0.000503	0.00119	1	08/31/2017 23:13	WG1015912
Bromomethane	U		0.00159	0.00593	1	08/31/2017 23:13	WG1015912
n-Butylbenzene	U		0.000306	0.00119	1	08/31/2017 23:13	WG1015912
sec-Butylbenzene	U		0.000239	0.00119	1	08/31/2017 23:13	WG1015912
tert-Butylbenzene	U		0.000244	0.00119	1	08/31/2017 23:13	WG1015912
Carbon disulfide	0.00101	J	0.000262	0.00119	1	08/31/2017 23:13	WG1015912
Carbon tetrachloride	U		0.000389	0.00119	1	08/31/2017 23:13	WG1015912
Chlorobenzene	U		0.000252	0.00119	1	08/31/2017 23:13	WG1015912
Chlorodibromomethane	U		0.000443	0.00119	1	08/31/2017 23:13	WG1015912
Chloroethane	U		0.00112	0.00593	1	08/31/2017 23:13	WG1015912
Chloroform	U		0.000272	0.00593	1	08/31/2017 23:13	WG1015912
Chloromethane	U		0.000445	0.00297	1	08/31/2017 23:13	WG1015912
2-Chlorotoluene	U		0.000357	0.00119	1	08/31/2017 23:13	WG1015912
4-Chlorotoluene	U		0.000285	0.00119	1	08/31/2017 23:13	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00593	1	08/31/2017 23:13	WG1015912
1,2-Dibromoethane	U		0.000407	0.00119	1	08/31/2017 23:13	WG1015912
Dibromomethane	U		0.000453	0.00119	1	08/31/2017 23:13	WG1015912
1,2-Dichlorobenzene	U		0.000362	0.00119	1	08/31/2017 23:13	WG1015912
1,3-Dichlorobenzene	U		0.000284	0.00119	1	08/31/2017 23:13	WG1015912
1,4-Dichlorobenzene	U		0.000268	0.00119	1	08/31/2017 23:13	WG1015912
Dichlorodifluoromethane	U		0.000846	0.00593	1	08/31/2017 23:13	WG1015912
1,1-Dichloroethane	U		0.000236	0.00119	1	08/31/2017 23:13	WG1015912
1,2-Dichloroethane	U		0.000314	0.00119	1	08/31/2017 23:13	WG1015912
1,1-Dichloroethene	U		0.000360	0.00119	1	08/31/2017 23:13	WG1015912
cis-1,2-Dichloroethene	0.0170		0.000279	0.00119	1	08/31/2017 23:13	WG1015912
trans-1,2-Dichloroethene	U		0.000313	0.00119	1	08/31/2017 23:13	WG1015912
1,2-Dichloropropane	U		0.000425	0.00119	1	08/31/2017 23:13	WG1015912
1,1-Dichloropropene	U		0.000376	0.00119	1	08/31/2017 23:13	WG1015912
1,3-Dichloropropane	U		0.000246	0.00119	1	08/31/2017 23:13	WG1015912
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	08/31/2017 23:13	WG1015912
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	08/31/2017 23:13	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.000923	0.00297	1	08/31/2017 23:13	WG1015912
2,2-Dichloropropane	U		0.000331	0.00119	1	08/31/2017 23:13	WG1015912
Di-isopropyl ether	U		0.000294	0.00119	1	08/31/2017 23:13	WG1015912
Ethylbenzene	U		0.000352	0.00119	1	08/31/2017 23:13	WG1015912
Hexachloro-1,3-butadiene	U		0.000406	0.00119	1	09/02/2017 13:26	WG1015912
2-Hexanone	U	J0	0.00163	0.0119	1	08/31/2017 23:13	WG1015912
n-Hexane	U		0.000344	0.0119	1	08/31/2017 23:13	WG1015912

Volatile Organic Compounds (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		0.00300	0.0119	1	08/31/2017 23:13	WG1015912
Isopropylbenzene	U		0.000288	0.00119	1	08/31/2017 23:13	WG1015912
p-Isopropyltoluene	U		0.000242	0.00119	1	08/31/2017 23:13	WG1015912
2-Butanone (MEK)	U	J0	0.00555	0.0119	1	08/31/2017 23:13	WG1015912
Methylene Chloride	U		0.00119	0.00593	1	08/31/2017 23:13	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	08/31/2017 23:13	WG1015912
Methyl tert-butyl ether	U		0.000252	0.00119	1	08/31/2017 23:13	WG1015912
Naphthalene	U		0.00119	0.00593	1	08/31/2017 23:13	WG1015912
n-Propylbenzene	U		0.000244	0.00119	1	08/31/2017 23:13	WG1015912
Styrene	U		0.000278	0.00119	1	08/31/2017 23:13	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000313	0.00119	1	08/31/2017 23:13	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000433	0.00119	1	08/31/2017 23:13	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000433	0.00119	1	08/31/2017 23:13	WG1015912
Tetrachloroethene	0.190		0.000328	0.00119	1	08/31/2017 23:13	WG1015912
Toluene	U		0.000515	0.00593	1	08/31/2017 23:13	WG1015912
1,2,3-Trichlorobenzene	U		0.000363	0.00119	1	08/31/2017 23:13	WG1015912
1,2,4-Trichlorobenzene	U		0.000460	0.00119	1	08/31/2017 23:13	WG1015912
1,1,1-Trichloroethane	U		0.000339	0.00119	1	08/31/2017 23:13	WG1015912
1,1,2-Trichloroethane	U		0.000329	0.00119	1	08/31/2017 23:13	WG1015912
Trichloroethene	0.00881		0.000331	0.00119	1	08/31/2017 23:13	WG1015912
Trichlorofluoromethane	U		0.000453	0.00593	1	08/31/2017 23:13	WG1015912
1,2,3-Trichloropropane	U		0.000879	0.00297	1	08/31/2017 23:13	WG1015912
1,2,4-Trimethylbenzene	U		0.000250	0.00119	1	08/31/2017 23:13	WG1015912
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	08/31/2017 23:13	WG1015912
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	08/31/2017 23:13	WG1015912
Vinyl acetate	U		0.00284	0.0119	1	08/31/2017 23:13	WG1015912
Vinyl chloride	U		0.000345	0.00119	1	08/31/2017 23:13	WG1015912
Xylenes, Total	U		0.000828	0.00356	1	08/31/2017 23:13	WG1015912
(S) Toluene-d8	*99.0*			*80.0-120*		*08/31/2017 23:13*	WG1015912
(S) Toluene-d8	*99.9*			*80.0-120*		*09/02/2017 13:26*	WG1015912
(S) Dibromofluoromethane	*94.7*			*74.0-131*		*09/02/2017 13:26*	WG1015912
(S) Dibromofluoromethane	*102*			*74.0-131*		*08/31/2017 23:13*	WG1015912
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*08/31/2017 23:13*	WG1015912
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*09/02/2017 13:26*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	08/31/2017 13:09	WG1015508

Volatile Organic Compounds (GC/MS) 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	08/31/2017 23:30	WG1015912
Acrylonitrile	U		0.00198	0.0110	1	08/31/2017 23:30	WG1015912
Benzene	U		0.000298	0.00110	1	08/31/2017 23:30	WG1015912
Bromobenzene	U		0.000314	0.00110	1	08/31/2017 23:30	WG1015912
Bromodichloromethane	U		0.000280	0.00110	1	08/31/2017 23:30	WG1015912
Bromochloromethane	U		0.000431	0.00552	1	08/31/2017 23:30	WG1015912
Bromoform	U	J0	0.000468	0.00110	1	08/31/2017 23:30	WG1015912
Bromomethane	U		0.00148	0.00552	1	08/31/2017 23:30	WG1015912
n-Butylbenzene	U		0.000285	0.00110	1	08/31/2017 23:30	WG1015912
sec-Butylbenzene	U		0.000222	0.00110	1	08/31/2017 23:30	WG1015912
tert-Butylbenzene	U		0.000227	0.00110	1	08/31/2017 23:30	WG1015912
Carbon disulfide	0.000930	J	0.000244	0.00110	1	08/31/2017 23:30	WG1015912
Carbon tetrachloride	U		0.000362	0.00110	1	08/31/2017 23:30	WG1015912
Chlorobenzene	U		0.000234	0.00110	1	08/31/2017 23:30	WG1015912
Chlorodibromomethane	U		0.000412	0.00110	1	08/31/2017 23:30	WG1015912
Chloroethane	U		0.00104	0.00552	1	08/31/2017 23:30	WG1015912
Chloroform	U		0.000253	0.00552	1	08/31/2017 23:30	WG1015912
Chloromethane	U		0.000414	0.00276	1	08/31/2017 23:30	WG1015912
2-Chlorotoluene	U		0.000332	0.00110	1	08/31/2017 23:30	WG1015912
4-Chlorotoluene	U		0.000265	0.00110	1	08/31/2017 23:30	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	08/31/2017 23:30	WG1015912
1,2-Dibromoethane	U		0.000379	0.00110	1	08/31/2017 23:30	WG1015912
Dibromomethane	U		0.000422	0.00110	1	08/31/2017 23:30	WG1015912
1,2-Dichlorobenzene	U		0.000337	0.00110	1	08/31/2017 23:30	WG1015912
1,3-Dichlorobenzene	U		0.000264	0.00110	1	08/31/2017 23:30	WG1015912
1,4-Dichlorobenzene	U		0.000250	0.00110	1	08/31/2017 23:30	WG1015912
Dichlorodifluoromethane	U		0.000787	0.00552	1	08/31/2017 23:30	WG1015912
1,1-Dichloroethane	U		0.000220	0.00110	1	08/31/2017 23:30	WG1015912
1,2-Dichloroethane	U		0.000293	0.00110	1	08/31/2017 23:30	WG1015912
1,1-Dichloroethene	0.000389	J	0.000335	0.00110	1	08/31/2017 23:30	WG1015912
cis-1,2-Dichloroethene	0.0739		0.000259	0.00110	1	08/31/2017 23:30	WG1015912
trans-1,2-Dichloroethene	0.00455		0.000291	0.00110	1	08/31/2017 23:30	WG1015912
1,2-Dichloropropane	U		0.000395	0.00110	1	08/31/2017 23:30	WG1015912
1,1-Dichloropropene	U		0.000350	0.00110	1	08/31/2017 23:30	WG1015912
1,3-Dichloropropane	U		0.000229	0.00110	1	08/31/2017 23:30	WG1015912
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	08/31/2017 23:30	WG1015912
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	08/31/2017 23:30	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.000859	0.00276	1	08/31/2017 23:30	WG1015912
2,2-Dichloropropane	U		0.000308	0.00110	1	08/31/2017 23:30	WG1015912
Di-isopropyl ether	U		0.000274	0.00110	1	08/31/2017 23:30	WG1015912
Ethylbenzene	U		0.000328	0.00110	1	08/31/2017 23:30	WG1015912
Hexachloro-1,3-butadiene	U		0.000378	0.00110	1	09/02/2017 13:46	WG1015912
2-Hexanone	U	J0	0.00151	0.0110	1	08/31/2017 23:30	WG1015912
n-Hexane	U		0.000320	0.0110	1	08/31/2017 23:30	WG1015912
Iodomethane	U		0.00279	0.0110	1	08/31/2017 23:30	WG1015912
Isopropylbenzene	U		0.000268	0.00110	1	08/31/2017 23:30	WG1015912
p-Isopropyltoluene	U		0.000225	0.00110	1	08/31/2017 23:30	WG1015912
2-Butanone (MEK)	U	J0	0.00517	0.0110	1	08/31/2017 23:30	WG1015912
Methylene Chloride	U		0.00110	0.00552	1	08/31/2017 23:30	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	08/31/2017 23:30	WG1015912

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

Analyte	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	08/31/2017 23:30	WG1015912
Naphthalene	U		0.00110	0.00552	1	08/31/2017 23:30	WG1015912
n-Propylbenzene	U		0.000227	0.00110	1	08/31/2017 23:30	WG1015912
Styrene	U		0.000258	0.00110	1	08/31/2017 23:30	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	08/31/2017 23:30	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	08/31/2017 23:30	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	08/31/2017 23:30	WG1015912
Tetrachloroethene	0.00150		0.000305	0.00110	1	08/31/2017 23:30	WG1015912
Toluene	U		0.000479	0.00552	1	08/31/2017 23:30	WG1015912
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	08/31/2017 23:30	WG1015912
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	08/31/2017 23:30	WG1015912
1,1,1-Trichloroethane	U		0.000316	0.00110	1	08/31/2017 23:30	WG1015912
1,1,2-Trichloroethane	U		0.000306	0.00110	1	08/31/2017 23:30	WG1015912
Trichloroethene	U		0.000308	0.00110	1	08/31/2017 23:30	WG1015912
Trichlorofluoromethane	U		0.000422	0.00552	1	08/31/2017 23:30	WG1015912
1,2,3-Trichloropropane	U		0.000818	0.00276	1	08/31/2017 23:30	WG1015912
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	08/31/2017 23:30	WG1015912
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	08/31/2017 23:30	WG1015912
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	08/31/2017 23:30	WG1015912
Vinyl acetate	U		0.00264	0.0110	1	08/31/2017 23:30	WG1015912
Vinyl chloride	U		0.000321	0.00110	1	08/31/2017 23:30	WG1015912
Xylenes, Total	U		0.000771	0.00331	1	08/31/2017 23:30	WG1015912
(S) Toluene-d8	*95.4*			*80.0-120*		*08/31/2017 23:30*	WG1015912
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 13:46*	WG1015912
(S) Dibromofluoromethane	*103*			*74.0-131*		*08/31/2017 23:30*	WG1015912
(S) Dibromofluoromethane	*92.1*			*74.0-131*		*09/02/2017 13:46*	WG1015912
(S) 4-Bromofluorobenzene	*91.6*			*64.0-132*		*09/02/2017 13:46*	WG1015912
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*		*08/31/2017 23:30*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	08/31/2017 14:27	WG1015511

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0227	J JO	0.0111	0.0557	1	08/31/2017 23:47	WG1015912
Acrylonitrile	U		0.00199	0.0111	1	08/31/2017 23:47	WG1015912
Benzene	0.000440	J	0.000301	0.00111	1	08/31/2017 23:47	WG1015912
Bromobenzene	U		0.000316	0.00111	1	08/31/2017 23:47	WG1015912
Bromodichloromethane	U		0.000283	0.00111	1	08/31/2017 23:47	WG1015912
Bromochloromethane	U		0.000434	0.00557	1	08/31/2017 23:47	WG1015912
Bromoform	U	JO	0.000472	0.00111	1	08/31/2017 23:47	WG1015912
Bromomethane	U		0.00149	0.00557	1	08/31/2017 23:47	WG1015912
n-Butylbenzene	U		0.000287	0.00111	1	08/31/2017 23:47	WG1015912
sec-Butylbenzene	U		0.000224	0.00111	1	08/31/2017 23:47	WG1015912
tert-Butylbenzene	U		0.000229	0.00111	1	08/31/2017 23:47	WG1015912
Carbon disulfide	0.00232		0.000246	0.00111	1	08/31/2017 23:47	WG1015912
Carbon tetrachloride	U		0.000365	0.00111	1	08/31/2017 23:47	WG1015912
Chlorobenzene	U		0.000236	0.00111	1	08/31/2017 23:47	WG1015912
Chlorodibromomethane	U		0.000415	0.00111	1	08/31/2017 23:47	WG1015912
Chloroethane	U		0.00105	0.00557	1	08/31/2017 23:47	WG1015912
Chloroform	U		0.000255	0.00557	1	08/31/2017 23:47	WG1015912
Chloromethane	U		0.000418	0.00278	1	08/31/2017 23:47	WG1015912
2-Chlorotoluene	U		0.000335	0.00111	1	08/31/2017 23:47	WG1015912
4-Chlorotoluene	U		0.000267	0.00111	1	08/31/2017 23:47	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	08/31/2017 23:47	WG1015912
1,2-Dibromoethane	U		0.000382	0.00111	1	08/31/2017 23:47	WG1015912
Dibromomethane	U		0.000425	0.00111	1	08/31/2017 23:47	WG1015912
1,2-Dichlorobenzene	U		0.000340	0.00111	1	08/31/2017 23:47	WG1015912
1,3-Dichlorobenzene	U		0.000266	0.00111	1	08/31/2017 23:47	WG1015912
1,4-Dichlorobenzene	U		0.000252	0.00111	1	08/31/2017 23:47	WG1015912
Dichlorodifluoromethane	U		0.000794	0.00557	1	08/31/2017 23:47	WG1015912
1,1-Dichloroethane	U		0.000222	0.00111	1	08/31/2017 23:47	WG1015912
1,2-Dichloroethane	U		0.000295	0.00111	1	08/31/2017 23:47	WG1015912
1,1-Dichloroethene	U		0.000337	0.00111	1	08/31/2017 23:47	WG1015912
cis-1,2-Dichloroethene	0.000685	J	0.000262	0.00111	1	08/31/2017 23:47	WG1015912
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	08/31/2017 23:47	WG1015912
1,2-Dichloropropane	U		0.000399	0.00111	1	08/31/2017 23:47	WG1015912
1,1-Dichloropropene	U		0.000353	0.00111	1	08/31/2017 23:47	WG1015912
1,3-Dichloropropane	U		0.000231	0.00111	1	08/31/2017 23:47	WG1015912
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	08/31/2017 23:47	WG1015912
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	08/31/2017 23:47	WG1015912
trans-1,4-Dichloro-2-butene	U	JO	0.000866	0.00278	1	08/31/2017 23:47	WG1015912
2,2-Dichloropropane	U		0.000311	0.00111	1	08/31/2017 23:47	WG1015912
Di-isopropyl ether	U		0.000276	0.00111	1	08/31/2017 23:47	WG1015912
Ethylbenzene	U		0.000331	0.00111	1	08/31/2017 23:47	WG1015912
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	09/02/2017 14:07	WG1015912
2-Hexanone	U	JO	0.00153	0.0111	1	08/31/2017 23:47	WG1015912
n-Hexane	0.0298		0.000323	0.0111	1	08/31/2017 23:47	WG1015912
Iodomethane	U		0.00282	0.0111	1	08/31/2017 23:47	WG1015912
Isopropylbenzene	U		0.000271	0.00111	1	08/31/2017 23:47	WG1015912
p-Isopropyltoluene	U		0.000227	0.00111	1	08/31/2017 23:47	WG1015912
2-Butanone (MEK)	U	JO	0.00521	0.0111	1	08/31/2017 23:47	WG1015912
Methylene Chloride	U		0.00111	0.00557	1	08/31/2017 23:47	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	08/31/2017 23:47	WG1015912

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

Analyte	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	08/31/2017 23:47	WG1015912
Naphthalene	U		0.00111	0.00557	1	08/31/2017 23:47	WG1015912
n-Propylbenzene	U		0.000229	0.00111	1	08/31/2017 23:47	WG1015912
Styrene	U		0.000261	0.00111	1	08/31/2017 23:47	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	08/31/2017 23:47	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	08/31/2017 23:47	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	08/31/2017 23:47	WG1015912
Tetrachloroethene	U		0.000307	0.00111	1	08/31/2017 23:47	WG1015912
Toluene	U		0.000483	0.00557	1	08/31/2017 23:47	WG1015912
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	08/31/2017 23:47	WG1015912
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	08/31/2017 23:47	WG1015912
1,1,1-Trichloroethane	U		0.000318	0.00111	1	08/31/2017 23:47	WG1015912
1,1,2-Trichloroethane	U		0.000308	0.00111	1	08/31/2017 23:47	WG1015912
Trichloroethene	U		0.000311	0.00111	1	08/31/2017 23:47	WG1015912
Trichlorofluoromethane	U		0.000425	0.00557	1	08/31/2017 23:47	WG1015912
1,2,3-Trichloropropane	U		0.000825	0.00278	1	08/31/2017 23:47	WG1015912
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	08/31/2017 23:47	WG1015912
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	08/31/2017 23:47	WG1015912
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	08/31/2017 23:47	WG1015912
Vinyl acetate	U		0.00266	0.0111	1	08/31/2017 23:47	WG1015912
Vinyl chloride	U		0.000324	0.00111	1	08/31/2017 23:47	WG1015912
Xylenes, Total	U		0.000777	0.00334	1	08/31/2017 23:47	WG1015912
(S) Toluene-d8	*95.6*			*80.0-120*		*08/31/2017 23:47*	WG1015912
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 14:07*	WG1015912
(S) Dibromofluoromethane	*100*			*74.0-131*		*08/31/2017 23:47*	WG1015912
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*09/02/2017 14:07*	WG1015912
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*09/02/2017 14:07*	WG1015912
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*08/31/2017 23:47*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	08/31/2017 15:04	WG1015695

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	0.138	B	0.0379	0.112	1	08/29/2017 20:49	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*77.0-120*		*08/29/2017 20:49*	WG1014832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0167	J J0	0.0112	0.0558	1	09/01/2017 00:05	WG1015912
Acrylonitrile	U		0.00200	0.0112	1	09/01/2017 00:05	WG1015912
Benzene	U		0.000302	0.00112	1	09/01/2017 00:05	WG1015912
Bromobenzene	U		0.000317	0.00112	1	09/01/2017 00:05	WG1015912
Bromodichloromethane	U		0.000284	0.00112	1	09/01/2017 00:05	WG1015912
Bromochloromethane	U		0.000436	0.00558	1	09/01/2017 00:05	WG1015912
Bromoform	U	J0	0.000474	0.00112	1	09/01/2017 00:05	WG1015912
Bromomethane	U		0.00150	0.00558	1	09/01/2017 00:05	WG1015912
n-Butylbenzene	U		0.000288	0.00112	1	09/01/2017 00:05	WG1015912
sec-Butylbenzene	U		0.000224	0.00112	1	09/01/2017 00:05	WG1015912
tert-Butylbenzene	U		0.000230	0.00112	1	09/01/2017 00:05	WG1015912
Carbon disulfide	0.000867	J	0.000247	0.00112	1	09/01/2017 00:05	WG1015912
Carbon tetrachloride	U		0.000366	0.00112	1	09/01/2017 00:05	WG1015912
Chlorobenzene	U		0.000237	0.00112	1	09/01/2017 00:05	WG1015912
Chlorodibromomethane	U		0.000417	0.00112	1	09/01/2017 00:05	WG1015912
Chloroethane	U		0.00106	0.00558	1	09/01/2017 00:05	WG1015912
Chloroform	U		0.000256	0.00558	1	09/01/2017 00:05	WG1015912
Chloromethane	U		0.000419	0.00279	1	09/01/2017 00:05	WG1015912
2-Chlorotoluene	U		0.000336	0.00112	1	09/01/2017 00:05	WG1015912
4-Chlorotoluene	U		0.000268	0.00112	1	09/01/2017 00:05	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	09/01/2017 00:05	WG1015912
1,2-Dibromoethane	U		0.000383	0.00112	1	09/01/2017 00:05	WG1015912
Dibromomethane	U		0.000427	0.00112	1	09/01/2017 00:05	WG1015912
1,2-Dichlorobenzene	U		0.000341	0.00112	1	09/01/2017 00:05	WG1015912
1,3-Dichlorobenzene	U		0.000267	0.00112	1	09/01/2017 00:05	WG1015912
1,4-Dichlorobenzene	U		0.000252	0.00112	1	09/01/2017 00:05	WG1015912
Dichlorodifluoromethane	U		0.000796	0.00558	1	09/01/2017 00:05	WG1015912
1,1-Dichloroethane	U		0.000222	0.00112	1	09/01/2017 00:05	WG1015912
1,2-Dichloroethane	U		0.000296	0.00112	1	09/01/2017 00:05	WG1015912
1,1-Dichloroethene	U		0.000338	0.00112	1	09/01/2017 00:05	WG1015912
cis-1,2-Dichloroethene	0.00115		0.000262	0.00112	1	09/01/2017 00:05	WG1015912
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/01/2017 00:05	WG1015912
1,2-Dichloropropane	U		0.000400	0.00112	1	09/01/2017 00:05	WG1015912
1,1-Dichloropropene	U		0.000354	0.00112	1	09/01/2017 00:05	WG1015912
1,3-Dichloropropane	U		0.000231	0.00112	1	09/01/2017 00:05	WG1015912
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	09/01/2017 00:05	WG1015912
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	09/01/2017 00:05	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.000869	0.00279	1	09/01/2017 00:05	WG1015912
2,2-Dichloropropane	U		0.000312	0.00112	1	09/01/2017 00:05	WG1015912
Di-isopropyl ether	U		0.000277	0.00112	1	09/01/2017 00:05	WG1015912
Ethylbenzene	U		0.000332	0.00112	1	09/01/2017 00:05	WG1015912
Hexachloro-1,3-butadiene	U		0.00955	0.0279	25	09/02/2017 14:28	WG1015912
2-Hexanone	U	J0	0.00153	0.0112	1	09/01/2017 00:05	WG1015912
n-Hexane	U		0.000324	0.0112	1	09/01/2017 00:05	WG1015912

Volatile Organic Compounds (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		0.00283	0.0112	1	09/01/2017 00:05	WG1015912
Isopropylbenzene	U		0.000271	0.00112	1	09/01/2017 00:05	WG1015912
p-Isopropyltoluene	U		0.000228	0.00112	1	09/01/2017 00:05	WG1015912
2-Butanone (MEK)	U	J0	0.00523	0.0112	1	09/01/2017 00:05	WG1015912
Methylene Chloride	U		0.00112	0.00558	1	09/01/2017 00:05	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	09/01/2017 00:05	WG1015912
Methyl tert-butyl ether	U		0.000237	0.00112	1	09/01/2017 00:05	WG1015912
Naphthalene	U		0.00112	0.00558	1	09/01/2017 00:05	WG1015912
n-Propylbenzene	U		0.000230	0.00112	1	09/01/2017 00:05	WG1015912
Styrene	U		0.000261	0.00112	1	09/01/2017 00:05	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	09/01/2017 00:05	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	09/01/2017 00:05	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	09/01/2017 00:05	WG1015912
Tetrachloroethene	0.0106		0.000308	0.00112	1	09/01/2017 00:05	WG1015912
Toluene	U		0.000485	0.00558	1	09/01/2017 00:05	WG1015912
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	09/01/2017 00:05	WG1015912
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	09/01/2017 00:05	WG1015912
1,1,1-Trichloroethane	U		0.000319	0.00112	1	09/01/2017 00:05	WG1015912
1,1,2-Trichloroethane	U		0.000309	0.00112	1	09/01/2017 00:05	WG1015912
Trichloroethene	0.000372	J	0.000312	0.00112	1	09/01/2017 00:05	WG1015912
Trichlorofluoromethane	U		0.000427	0.00558	1	09/01/2017 00:05	WG1015912
1,2,3-Trichloropropane	U		0.000828	0.00279	1	09/01/2017 00:05	WG1015912
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/01/2017 00:05	WG1015912
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	09/01/2017 00:05	WG1015912
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	09/01/2017 00:05	WG1015912
Vinyl acetate	U		0.00267	0.0112	1	09/01/2017 00:05	WG1015912
Vinyl chloride	U		0.000325	0.00112	1	09/01/2017 00:05	WG1015912
Xylenes, Total	U		0.000780	0.00335	1	09/01/2017 00:05	WG1015912
(S) Toluene-d8	*97.4*			*80.0-120*		*09/01/2017 00:05*	WG1015912
(S) Toluene-d8	*107*			*80.0-120*		*09/02/2017 14:28*	WG1015912
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 00:05*	WG1015912
(S) Dibromofluoromethane	*88.3*			*74.0-131*		*09/02/2017 14:28*	WG1015912
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/01/2017 00:05*	WG1015912
(S) 4-Bromofluorobenzene	*89.6*			*64.0-132*		*09/02/2017 14:28*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/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 JO	0.0112	0.0558	1	09/01/2017 00:22	WG1015912
Acrylonitrile	U		0.00200	0.0112	1	09/01/2017 00:22	WG1015912
Benzene	U		0.000302	0.00112	1	09/01/2017 00:22	WG1015912
Bromobenzene	U		0.000317	0.00112	1	09/01/2017 00:22	WG1015912
Bromodichloromethane	U		0.000284	0.00112	1	09/01/2017 00:22	WG1015912
Bromochloromethane	U		0.000436	0.00558	1	09/01/2017 00:22	WG1015912
Bromoform	U	JO	0.000473	0.00112	1	09/01/2017 00:22	WG1015912
Bromomethane	U		0.00150	0.00558	1	09/01/2017 00:22	WG1015912
n-Butylbenzene	U		0.000288	0.00112	1	09/01/2017 00:22	WG1015912
sec-Butylbenzene	U		0.000224	0.00112	1	09/01/2017 00:22	WG1015912
tert-Butylbenzene	U		0.000230	0.00112	1	09/01/2017 00:22	WG1015912
Carbon disulfide	0.00232		0.000247	0.00112	1	09/01/2017 00:22	WG1015912
Carbon tetrachloride	U		0.000366	0.00112	1	09/01/2017 00:22	WG1015912
Chlorobenzene	U		0.000237	0.00112	1	09/01/2017 00:22	WG1015912
Chlorodibromomethane	U		0.000417	0.00112	1	09/01/2017 00:22	WG1015912
Chloroethane	U		0.00106	0.00558	1	09/01/2017 00:22	WG1015912
Chloroform	U		0.000256	0.00558	1	09/01/2017 00:22	WG1015912
Chloromethane	U		0.000419	0.00279	1	09/01/2017 00:22	WG1015912
2-Chlorotoluene	U		0.000336	0.00112	1	09/01/2017 00:22	WG1015912
4-Chlorotoluene	U		0.000268	0.00112	1	09/01/2017 00:22	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	09/01/2017 00:22	WG1015912
1,2-Dibromoethane	U		0.000383	0.00112	1	09/01/2017 00:22	WG1015912
Dibromomethane	U		0.000427	0.00112	1	09/01/2017 00:22	WG1015912
1,2-Dichlorobenzene	U		0.000341	0.00112	1	09/01/2017 00:22	WG1015912
1,3-Dichlorobenzene	U		0.000267	0.00112	1	09/01/2017 00:22	WG1015912
1,4-Dichlorobenzene	U		0.000252	0.00112	1	09/01/2017 00:22	WG1015912
Dichlorodifluoromethane	U		0.000796	0.00558	1	09/01/2017 00:22	WG1015912
1,1-Dichloroethane	U		0.000222	0.00112	1	09/01/2017 00:22	WG1015912
1,2-Dichloroethane	U		0.000296	0.00112	1	09/01/2017 00:22	WG1015912
1,1-Dichloroethene	U		0.000338	0.00112	1	09/01/2017 00:22	WG1015912
cis-1,2-Dichloroethene	0.000316	J	0.000262	0.00112	1	09/01/2017 00:22	WG1015912
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/01/2017 00:22	WG1015912
1,2-Dichloropropane	U		0.000400	0.00112	1	09/01/2017 00:22	WG1015912
1,1-Dichloropropene	U		0.000354	0.00112	1	09/01/2017 00:22	WG1015912
1,3-Dichloropropane	U		0.000231	0.00112	1	09/01/2017 00:22	WG1015912
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	09/01/2017 00:22	WG1015912
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	09/01/2017 00:22	WG1015912
trans-1,4-Dichloro-2-butene	U	JO	0.000869	0.00279	1	09/01/2017 00:22	WG1015912
2,2-Dichloropropane	U		0.000312	0.00112	1	09/01/2017 00:22	WG1015912
Di-isopropyl ether	U		0.000277	0.00112	1	09/01/2017 00:22	WG1015912
Ethylbenzene	U		0.000332	0.00112	1	09/01/2017 00:22	WG1015912
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	09/02/2017 14:48	WG1015912
2-Hexanone	U	JO	0.00153	0.0112	1	09/01/2017 00:22	WG1015912
n-Hexane	U		0.000324	0.0112	1	09/01/2017 00:22	WG1015912
Iodomethane	U		0.00283	0.0112	1	09/01/2017 00:22	WG1015912
Isopropylbenzene	U		0.000271	0.00112	1	09/01/2017 00:22	WG1015912
p-Isopropyltoluene	U		0.000228	0.00112	1	09/01/2017 00:22	WG1015912
2-Butanone (MEK)	U	JO	0.00523	0.0112	1	09/01/2017 00:22	WG1015912
Methylene Chloride	U		0.00112	0.00558	1	09/01/2017 00:22	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	09/01/2017 00:22	WG1015912

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

Analyte	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	09/01/2017 00:22	WG1015912
Naphthalene	U		0.00112	0.00558	1	09/01/2017 00:22	WG1015912
n-Propylbenzene	U		0.000230	0.00112	1	09/01/2017 00:22	WG1015912
Styrene	U		0.000261	0.00112	1	09/01/2017 00:22	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	09/01/2017 00:22	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	09/01/2017 00:22	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	09/01/2017 00:22	WG1015912
Tetrachloroethene	U		0.000308	0.00112	1	09/01/2017 00:22	WG1015912
Toluene	U		0.000485	0.00558	1	09/01/2017 00:22	WG1015912
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	09/01/2017 00:22	WG1015912
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	09/01/2017 00:22	WG1015912
1,1,1-Trichloroethane	U		0.000319	0.00112	1	09/01/2017 00:22	WG1015912
1,1,2-Trichloroethane	U		0.000309	0.00112	1	09/01/2017 00:22	WG1015912
Trichloroethene	U		0.000312	0.00112	1	09/01/2017 00:22	WG1015912
Trichlorofluoromethane	U		0.000427	0.00558	1	09/01/2017 00:22	WG1015912
1,2,3-Trichloropropane	U		0.000827	0.00279	1	09/01/2017 00:22	WG1015912
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/01/2017 00:22	WG1015912
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	09/01/2017 00:22	WG1015912
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	09/01/2017 00:22	WG1015912
Vinyl acetate	U		0.00267	0.0112	1	09/01/2017 00:22	WG1015912
Vinyl chloride	U		0.000325	0.00112	1	09/01/2017 00:22	WG1015912
Xylenes, Total	U		0.000779	0.00335	1	09/01/2017 00:22	WG1015912
(S) Toluene-d8	*95.8*			*80.0-120*		*09/01/2017 00:22*	WG1015912
(S) Toluene-d8	*110*			*80.0-120*		*09/02/2017 14:48*	WG1015912
(S) Dibromofluoromethane	*89.3*			*74.0-131*		*09/02/2017 14:48*	WG1015912
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*09/01/2017 00:22*	WG1015912
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*09/02/2017 14:48*	WG1015912
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*09/01/2017 00:22*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/MS) 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	0.0124	0.0619	1	09/01/2017 01:02	WG1015912
Acrylonitrile	U		0.00221	0.0124	1	09/01/2017 01:02	WG1015912
Benzene	U		0.000334	0.00124	1	09/01/2017 01:02	WG1015912
Bromobenzene	U		0.000351	0.00124	1	09/01/2017 01:02	WG1015912
Bromodichloromethane	U		0.000314	0.00124	1	09/01/2017 01:02	WG1015912
Bromochloromethane	U		0.000482	0.00619	1	09/01/2017 01:02	WG1015912
Bromoform	U	J0	0.000525	0.00124	1	09/01/2017 01:02	WG1015912
Bromomethane	U		0.00166	0.00619	1	09/01/2017 01:02	WG1015912
n-Butylbenzene	U		0.000319	0.00124	1	09/01/2017 01:02	WG1015912
sec-Butylbenzene	U		0.000249	0.00124	1	09/01/2017 01:02	WG1015912
tert-Butylbenzene	U		0.000255	0.00124	1	09/01/2017 01:02	WG1015912
Carbon disulfide	0.000305	J	0.000273	0.00124	1	09/01/2017 01:02	WG1015912
Carbon tetrachloride	U		0.000406	0.00124	1	09/01/2017 01:02	WG1015912
Chlorobenzene	U		0.000262	0.00124	1	09/01/2017 01:02	WG1015912
Chlorodibromomethane	U		0.000461	0.00124	1	09/01/2017 01:02	WG1015912
Chloroethane	U		0.00117	0.00619	1	09/01/2017 01:02	WG1015912
Chloroform	U		0.000283	0.00619	1	09/01/2017 01:02	WG1015912
Chloromethane	U		0.000464	0.00309	1	09/01/2017 01:02	WG1015912
2-Chlorotoluene	U		0.000372	0.00124	1	09/01/2017 01:02	WG1015912
4-Chlorotoluene	U		0.000297	0.00124	1	09/01/2017 01:02	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00619	1	09/01/2017 01:02	WG1015912
1,2-Dibromoethane	U		0.000424	0.00124	1	09/01/2017 01:02	WG1015912
Dibromomethane	U		0.000473	0.00124	1	09/01/2017 01:02	WG1015912
1,2-Dichlorobenzene	U		0.000377	0.00124	1	09/01/2017 01:02	WG1015912
1,3-Dichlorobenzene	U		0.000296	0.00124	1	09/01/2017 01:02	WG1015912
1,4-Dichlorobenzene	U		0.000280	0.00124	1	09/01/2017 01:02	WG1015912
Dichlorodifluoromethane	U		0.000882	0.00619	1	09/01/2017 01:02	WG1015912
1,1-Dichloroethane	U		0.000246	0.00124	1	09/01/2017 01:02	WG1015912
1,2-Dichloroethane	U		0.000328	0.00124	1	09/01/2017 01:02	WG1015912
1,1-Dichloroethene	U		0.000375	0.00124	1	09/01/2017 01:02	WG1015912
cis-1,2-Dichloroethene	U		0.000291	0.00124	1	09/01/2017 01:02	WG1015912
trans-1,2-Dichloroethene	U		0.000327	0.00124	1	09/01/2017 01:02	WG1015912
1,2-Dichloropropane	U		0.000443	0.00124	1	09/01/2017 01:02	WG1015912
1,1-Dichloropropene	U		0.000392	0.00124	1	09/01/2017 01:02	WG1015912
1,3-Dichloropropane	U		0.000256	0.00124	1	09/01/2017 01:02	WG1015912
cis-1,3-Dichloropropene	U		0.000324	0.00124	1	09/01/2017 01:02	WG1015912
trans-1,3-Dichloropropene	U		0.000330	0.00124	1	09/01/2017 01:02	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.000962	0.00309	1	09/01/2017 01:02	WG1015912
2,2-Dichloropropane	U		0.000345	0.00124	1	09/01/2017 01:02	WG1015912
Di-isopropyl ether	U		0.000307	0.00124	1	09/01/2017 01:02	WG1015912
Ethylbenzene	U		0.000367	0.00124	1	09/01/2017 01:02	WG1015912
Hexachloro-1,3-butadiene	U		0.000423	0.00124	1	09/02/2017 15:09	WG1015912
2-Hexanone	U	J0	0.00169	0.0124	1	09/01/2017 01:02	WG1015912
n-Hexane	U		0.000359	0.0124	1	09/01/2017 01:02	WG1015912
Iodomethane	U		0.00313	0.0124	1	09/01/2017 01:02	WG1015912
Isopropylbenzene	U		0.000301	0.00124	1	09/01/2017 01:02	WG1015912
p-Isopropyltoluene	U		0.000252	0.00124	1	09/01/2017 01:02	WG1015912
2-Butanone (MEK)	U	J0	0.00579	0.0124	1	09/01/2017 01:02	WG1015912
Methylene Chloride	U		0.00124	0.00619	1	09/01/2017 01:02	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00233	0.0124	1	09/01/2017 01:02	WG1015912

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

Analyte	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	0.00124	1	09/01/2017 01:02	WG1015912
Naphthalene	U		0.00124	0.00619	1	09/01/2017 01:02	WG1015912
n-Propylbenzene	U		0.000255	0.00124	1	09/01/2017 01:02	WG1015912
Styrene	U		0.000289	0.00124	1	09/01/2017 01:02	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000327	0.00124	1	09/01/2017 01:02	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000452	0.00124	1	09/01/2017 01:02	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000452	0.00124	1	09/01/2017 01:02	WG1015912
Tetrachloroethene	U		0.000341	0.00124	1	09/01/2017 01:02	WG1015912
Toluene	U		0.000537	0.00619	1	09/01/2017 01:02	WG1015912
1,2,3-Trichlorobenzene	U		0.000379	0.00124	1	09/01/2017 01:02	WG1015912
1,2,4-Trichlorobenzene	U		0.000480	0.00124	1	09/01/2017 01:02	WG1015912
1,1,1-Trichloroethane	U		0.000354	0.00124	1	09/01/2017 01:02	WG1015912
1,1,2-Trichloroethane	U		0.000343	0.00124	1	09/01/2017 01:02	WG1015912
Trichloroethene	U		0.000345	0.00124	1	09/01/2017 01:02	WG1015912
Trichlorofluoromethane	U		0.000473	0.00619	1	09/01/2017 01:02	WG1015912
1,2,3-Trichloropropane	U		0.000917	0.00309	1	09/01/2017 01:02	WG1015912
1,2,4-Trimethylbenzene	U		0.000261	0.00124	1	09/01/2017 01:02	WG1015912
1,2,3-Trimethylbenzene	U		0.000355	0.00124	1	09/01/2017 01:02	WG1015912
1,3,5-Trimethylbenzene	U		0.000329	0.00124	1	09/01/2017 01:02	WG1015912
Vinyl acetate	U		0.00296	0.0124	1	09/01/2017 01:02	WG1015912
Vinyl chloride	U		0.000360	0.00124	1	09/01/2017 01:02	WG1015912
Xylenes, Total	U		0.000864	0.00371	1	09/01/2017 01:02	WG1015912
(S) Toluene-d8	*95.3*			*80.0-120*		*09/01/2017 01:02*	WG1015912
(S) Toluene-d8	*101*			*80.0-120*		*09/02/2017 15:09*	WG1015912
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/01/2017 01:02*	WG1015912
(S) Dibromofluoromethane	*93.3*			*74.0-131*		*09/02/2017 15:09*	WG1015912
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*09/02/2017 15:09*	WG1015912
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*09/01/2017 01:02*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/MS) 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	0.0581	1	09/01/2017 01:19	WG1015912
Acrylonitrile	U		0.00208	0.0116	1	09/01/2017 01:19	WG1015912
Benzene	U		0.000314	0.00116	1	09/01/2017 01:19	WG1015912
Bromobenzene	U		0.000330	0.00116	1	09/01/2017 01:19	WG1015912
Bromodichloromethane	U		0.000295	0.00116	1	09/01/2017 01:19	WG1015912
Bromochloromethane	U		0.000453	0.00581	1	09/01/2017 01:19	WG1015912
Bromoform	U	J0	0.000493	0.00116	1	09/01/2017 01:19	WG1015912
Bromomethane	U		0.00156	0.00581	1	09/01/2017 01:19	WG1015912
n-Butylbenzene	U		0.000300	0.00116	1	09/01/2017 01:19	WG1015912
sec-Butylbenzene	U		0.000234	0.00116	1	09/01/2017 01:19	WG1015912
tert-Butylbenzene	U		0.000239	0.00116	1	09/01/2017 01:19	WG1015912
Carbon disulfide	U		0.000257	0.00116	1	09/01/2017 01:19	WG1015912
Carbon tetrachloride	U		0.000381	0.00116	1	09/01/2017 01:19	WG1015912
Chlorobenzene	U		0.000246	0.00116	1	09/01/2017 01:19	WG1015912
Chlorodibromomethane	U		0.000433	0.00116	1	09/01/2017 01:19	WG1015912
Chloroethane	U		0.00110	0.00581	1	09/01/2017 01:19	WG1015912
Chloroform	U		0.000266	0.00581	1	09/01/2017 01:19	WG1015912
Chloromethane	U		0.000436	0.00291	1	09/01/2017 01:19	WG1015912
2-Chlorotoluene	U		0.000350	0.00116	1	09/01/2017 01:19	WG1015912
4-Chlorotoluene	U		0.000279	0.00116	1	09/01/2017 01:19	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	09/01/2017 01:19	WG1015912
1,2-Dibromoethane	U		0.000399	0.00116	1	09/01/2017 01:19	WG1015912
Dibromomethane	U		0.000444	0.00116	1	09/01/2017 01:19	WG1015912
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/01/2017 01:19	WG1015912
1,3-Dichlorobenzene	U		0.000278	0.00116	1	09/01/2017 01:19	WG1015912
1,4-Dichlorobenzene	U		0.000263	0.00116	1	09/01/2017 01:19	WG1015912
Dichlorodifluoromethane	U		0.000829	0.00581	1	09/01/2017 01:19	WG1015912
1,1-Dichloroethane	U		0.000231	0.00116	1	09/01/2017 01:19	WG1015912
1,2-Dichloroethane	U		0.000308	0.00116	1	09/01/2017 01:19	WG1015912
1,1-Dichloroethene	0.000468	J	0.000352	0.00116	1	09/01/2017 01:19	WG1015912
cis-1,2-Dichloroethene	0.0174		0.000273	0.00116	1	09/01/2017 01:19	WG1015912
trans-1,2-Dichloroethene	0.000402	J	0.000307	0.00116	1	09/01/2017 01:19	WG1015912
1,2-Dichloropropane	U		0.000416	0.00116	1	09/01/2017 01:19	WG1015912
1,1-Dichloropropene	U		0.000368	0.00116	1	09/01/2017 01:19	WG1015912
1,3-Dichloropropane	U		0.000241	0.00116	1	09/01/2017 01:19	WG1015912
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/01/2017 01:19	WG1015912
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/01/2017 01:19	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.000904	0.00291	1	09/01/2017 01:19	WG1015912
2,2-Dichloropropane	U		0.000324	0.00116	1	09/01/2017 01:19	WG1015912
Di-isopropyl ether	U		0.000288	0.00116	1	09/01/2017 01:19	WG1015912
Ethylbenzene	U		0.000345	0.00116	1	09/01/2017 01:19	WG1015912
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/02/2017 15:29	WG1015912
2-Hexanone	U	J0	0.00159	0.0116	1	09/01/2017 01:19	WG1015912
n-Hexane	0.000396	J	0.000337	0.0116	1	09/01/2017 01:19	WG1015912
Iodomethane	U		0.00294	0.0116	1	09/01/2017 01:19	WG1015912
Isopropylbenzene	U		0.000282	0.00116	1	09/01/2017 01:19	WG1015912
p-Isopropyltoluene	U		0.000237	0.00116	1	09/01/2017 01:19	WG1015912
2-Butanone (MEK)	U	J0	0.00544	0.0116	1	09/01/2017 01:19	WG1015912
Methylene Chloride	U		0.00116	0.00581	1	09/01/2017 01:19	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/01/2017 01:19	WG1015912

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

Analyte	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	09/01/2017 01:19	WG1015912
Naphthalene	U		0.00116	0.00581	1	09/01/2017 01:19	WG1015912
n-Propylbenzene	U		0.000239	0.00116	1	09/01/2017 01:19	WG1015912
Styrene	U		0.000272	0.00116	1	09/01/2017 01:19	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	09/01/2017 01:19	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/01/2017 01:19	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/01/2017 01:19	WG1015912
Tetrachloroethene	0.000424	J	0.000321	0.00116	1	09/01/2017 01:19	WG1015912
Toluene	U		0.000504	0.00581	1	09/01/2017 01:19	WG1015912
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	09/01/2017 01:19	WG1015912
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	09/01/2017 01:19	WG1015912
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/01/2017 01:19	WG1015912
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/01/2017 01:19	WG1015912
Trichloroethene	0.000587	J	0.000324	0.00116	1	09/01/2017 01:19	WG1015912
Trichlorofluoromethane	U		0.000444	0.00581	1	09/01/2017 01:19	WG1015912
1,2,3-Trichloropropane	U		0.000861	0.00291	1	09/01/2017 01:19	WG1015912
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/01/2017 01:19	WG1015912
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	09/01/2017 01:19	WG1015912
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/01/2017 01:19	WG1015912
Vinyl acetate	U		0.00278	0.0116	1	09/01/2017 01:19	WG1015912
Vinyl chloride	0.00168		0.000338	0.00116	1	09/01/2017 01:19	WG1015912
Xylenes, Total	U		0.000811	0.00349	1	09/01/2017 01:19	WG1015912
(S) Toluene-d8	*103*			*80.0-120*		*09/02/2017 15:29*	WG1015912
(S) Toluene-d8	*98.8*			*80.0-120*		*09/01/2017 01:19*	WG1015912
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/01/2017 01:19*	WG1015912
(S) Dibromofluoromethane	*94.1*			*74.0-131*		*09/02/2017 15:29*	WG1015912
(S) 4-Bromofluorobenzene	*90.3*			*64.0-132*		*09/02/2017 15:29*	WG1015912
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*09/01/2017 01:19*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	08/31/2017 14:27	WG1015511

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0123	J JO	0.0107	0.0534	1	09/01/2017 01:39	WG1015912
Acrylonitrile	U		0.00191	0.0107	1	09/01/2017 01:39	WG1015912
Benzene	U		0.000288	0.00107	1	09/01/2017 01:39	WG1015912
Bromobenzene	U		0.000303	0.00107	1	09/01/2017 01:39	WG1015912
Bromodichloromethane	U		0.000271	0.00107	1	09/01/2017 01:39	WG1015912
Bromochloromethane	U		0.000417	0.00534	1	09/01/2017 01:39	WG1015912
Bromoform	U	JO	0.000453	0.00107	1	09/01/2017 01:39	WG1015912
Bromomethane	U		0.00143	0.00534	1	09/01/2017 01:39	WG1015912
n-Butylbenzene	U		0.000276	0.00107	1	09/01/2017 01:39	WG1015912
sec-Butylbenzene	U		0.000215	0.00107	1	09/01/2017 01:39	WG1015912
tert-Butylbenzene	U		0.000220	0.00107	1	09/01/2017 01:39	WG1015912
Carbon disulfide	0.00190		0.000236	0.00107	1	09/01/2017 01:39	WG1015912
Carbon tetrachloride	U		0.000350	0.00107	1	09/01/2017 01:39	WG1015912
Chlorobenzene	U		0.000226	0.00107	1	09/01/2017 01:39	WG1015912
Chlorodibromomethane	U		0.000398	0.00107	1	09/01/2017 01:39	WG1015912
Chloroethane	U		0.00101	0.00534	1	09/01/2017 01:39	WG1015912
Chloroform	U		0.000245	0.00534	1	09/01/2017 01:39	WG1015912
Chloromethane	U		0.000401	0.00267	1	09/01/2017 01:39	WG1015912
2-Chlorotoluene	U		0.000321	0.00107	1	09/01/2017 01:39	WG1015912
4-Chlorotoluene	U		0.000256	0.00107	1	09/01/2017 01:39	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00534	1	09/01/2017 01:39	WG1015912
1,2-Dibromoethane	U		0.000366	0.00107	1	09/01/2017 01:39	WG1015912
Dibromomethane	U		0.000408	0.00107	1	09/01/2017 01:39	WG1015912
1,2-Dichlorobenzene	U		0.000326	0.00107	1	09/01/2017 01:39	WG1015912
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/01/2017 01:39	WG1015912
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/01/2017 01:39	WG1015912
Dichlorodifluoromethane	U		0.000762	0.00534	1	09/01/2017 01:39	WG1015912
1,1-Dichloroethane	U		0.000213	0.00107	1	09/01/2017 01:39	WG1015912
1,2-Dichloroethane	U		0.000283	0.00107	1	09/01/2017 01:39	WG1015912
1,1-Dichloroethene	U		0.000324	0.00107	1	09/01/2017 01:39	WG1015912
cis-1,2-Dichloroethene	0.0508		0.000251	0.00107	1	09/01/2017 01:39	WG1015912
trans-1,2-Dichloroethene	0.000840	J	0.000282	0.00107	1	09/01/2017 01:39	WG1015912
1,2-Dichloropropane	U		0.000382	0.00107	1	09/01/2017 01:39	WG1015912
1,1-Dichloropropene	U		0.000339	0.00107	1	09/01/2017 01:39	WG1015912
1,3-Dichloropropane	U		0.000221	0.00107	1	09/01/2017 01:39	WG1015912
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/01/2017 01:39	WG1015912
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/01/2017 01:39	WG1015912
trans-1,4-Dichloro-2-butene	U	JO	0.000831	0.00267	1	09/01/2017 01:39	WG1015912
2,2-Dichloropropane	U		0.000298	0.00107	1	09/01/2017 01:39	WG1015912
Di-isopropyl ether	U		0.000265	0.00107	1	09/01/2017 01:39	WG1015912
Ethylbenzene	U		0.000317	0.00107	1	09/01/2017 01:39	WG1015912
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/02/2017 15:50	WG1015912
2-Hexanone	U	JO	0.00146	0.0107	1	09/01/2017 01:39	WG1015912
n-Hexane	0.00231	J	0.000310	0.0107	1	09/01/2017 01:39	WG1015912
Iodomethane	U		0.00270	0.0107	1	09/01/2017 01:39	WG1015912
Isopropylbenzene	U		0.000260	0.00107	1	09/01/2017 01:39	WG1015912
p-Isopropyltoluene	U		0.000218	0.00107	1	09/01/2017 01:39	WG1015912
2-Butanone (MEK)	U	JO	0.00500	0.0107	1	09/01/2017 01:39	WG1015912
Methylene Chloride	U		0.00107	0.00534	1	09/01/2017 01:39	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/01/2017 01:39	WG1015912

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00107	1	09/01/2017 01:39	WG1015912
Naphthalene	U		0.00107	0.00534	1	09/01/2017 01:39	WG1015912
n-Propylbenzene	U		0.000220	0.00107	1	09/01/2017 01:39	WG1015912
Styrene	U		0.000250	0.00107	1	09/01/2017 01:39	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	09/01/2017 01:39	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000390	0.00107	1	09/01/2017 01:39	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000390	0.00107	1	09/01/2017 01:39	WG1015912
Tetrachloroethene	0.00682		0.000295	0.00107	1	09/01/2017 01:39	WG1015912
Toluene	U		0.000464	0.00534	1	09/01/2017 01:39	WG1015912
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/01/2017 01:39	WG1015912
1,2,4-Trichlorobenzene	U		0.000414	0.00107	1	09/01/2017 01:39	WG1015912
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/01/2017 01:39	WG1015912
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/01/2017 01:39	WG1015912
Trichloroethene	0.00119		0.000298	0.00107	1	09/01/2017 01:39	WG1015912
Trichlorofluoromethane	U		0.000408	0.00534	1	09/01/2017 01:39	WG1015912
1,2,3-Trichloropropane	U		0.000791	0.00267	1	09/01/2017 01:39	WG1015912
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/01/2017 01:39	WG1015912
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/01/2017 01:39	WG1015912
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/01/2017 01:39	WG1015912
Vinyl acetate	U		0.00255	0.0107	1	09/01/2017 01:39	WG1015912
Vinyl chloride	0.00915		0.000311	0.00107	1	09/01/2017 01:39	WG1015912
Xylenes, Total	U		0.000746	0.00320	1	09/01/2017 01:39	WG1015912
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 15:50*	WG1015912
(S) Toluene-d8	*95.8*			*80.0-120*		*09/01/2017 01:39*	WG1015912
(S) Dibromofluoromethane	*92.9*			*74.0-131*		*09/02/2017 15:50*	WG1015912
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/01/2017 01:39*	WG1015912
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*09/02/2017 15:50*	WG1015912
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*09/01/2017 01:39*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	08/31/2017 15:04	WG1015695

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		0.0385	0.114	1	09/01/2017 04:16	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*09/01/2017 04:16*	WG1014832

Volatile Organic Compounds (GC/MS) 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	0.284	1.42	25	09/01/2017 01:57	WG1015912
Acrylonitrile	U		0.0509	0.284	25	09/01/2017 01:57	WG1015912
Benzene	U		0.00767	0.0284	25	09/01/2017 01:57	WG1015912
Bromobenzene	U		0.00807	0.0284	25	09/01/2017 01:57	WG1015912
Bromodichloromethane	U		0.00722	0.0284	25	09/01/2017 01:57	WG1015912
Bromochloromethane	U		0.0111	0.142	25	09/01/2017 01:57	WG1015912
Bromoform	U	J0	0.0120	0.0284	25	09/01/2017 01:57	WG1015912
Bromomethane	U		0.0381	0.142	25	09/01/2017 01:57	WG1015912
n-Butylbenzene	U		0.00733	0.0284	25	09/01/2017 01:57	WG1015912
sec-Butylbenzene	U		0.00570	0.0284	25	09/01/2017 01:57	WG1015912
tert-Butylbenzene	U		0.00585	0.0284	25	09/01/2017 01:57	WG1015912
Carbon disulfide	U		0.00627	0.0284	25	09/01/2017 01:57	WG1015912
Carbon tetrachloride	U		0.00932	0.0284	25	09/01/2017 01:57	WG1015912
Chlorobenzene	U		0.00602	0.0284	25	09/01/2017 01:57	WG1015912
Chlorodibromomethane	U		0.0106	0.0284	25	09/01/2017 01:57	WG1015912
Chloroethane	U		0.0268	0.142	25	09/01/2017 01:57	WG1015912
Chloroform	U		0.00650	0.142	25	09/01/2017 01:57	WG1015912
Chloromethane	U		0.0107	0.0710	25	09/01/2017 01:57	WG1015912
2-Chlorotoluene	U		0.00854	0.0284	25	09/01/2017 01:57	WG1015912
4-Chlorotoluene	U		0.00682	0.0284	25	09/01/2017 01:57	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.0298	0.142	25	09/01/2017 01:57	WG1015912
1,2-Dibromoethane	U		0.00975	0.0284	25	09/01/2017 01:57	WG1015912
Dibromomethane	U		0.0109	0.0284	25	09/01/2017 01:57	WG1015912
1,2-Dichlorobenzene	U		0.00866	0.0284	25	09/01/2017 01:57	WG1015912
1,3-Dichlorobenzene	U		0.00679	0.0284	25	09/01/2017 01:57	WG1015912
1,4-Dichlorobenzene	U		0.00642	0.0284	25	09/01/2017 01:57	WG1015912
Dichlorodifluoromethane	U		0.0202	0.142	25	09/01/2017 01:57	WG1015912
1,1-Dichloroethane	U		0.00566	0.0284	25	09/01/2017 01:57	WG1015912
1,2-Dichloroethane	U		0.00752	0.0284	25	09/01/2017 01:57	WG1015912
1,1-Dichloroethene	U		0.00861	0.0284	25	09/01/2017 01:57	WG1015912
cis-1,2-Dichloroethene	0.0557		0.00668	0.0284	25	09/01/2017 01:57	WG1015912
trans-1,2-Dichloroethene	U		0.00750	0.0284	25	09/01/2017 01:57	WG1015912
1,2-Dichloropropane	U		0.0102	0.0284	25	09/01/2017 01:57	WG1015912
1,1-Dichloropropene	U		0.00900	0.0284	25	09/01/2017 01:57	WG1015912
1,3-Dichloropropane	U		0.00589	0.0284	25	09/01/2017 01:57	WG1015912
cis-1,3-Dichloropropene	U		0.00744	0.0284	25	09/01/2017 01:57	WG1015912
trans-1,3-Dichloropropene	U		0.00759	0.0284	25	09/01/2017 01:57	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.0220	0.0710	25	09/01/2017 01:57	WG1015912
2,2-Dichloropropane	U		0.00793	0.0284	25	09/01/2017 01:57	WG1015912
Di-isopropyl ether	U		0.00704	0.0284	25	09/01/2017 01:57	WG1015912
Ethylbenzene	U		0.00843	0.0284	25	09/01/2017 01:57	WG1015912
Hexachloro-1,3-butadiene	U		0.00971	0.0284	25	09/02/2017 16:11	WG1015912
2-Hexanone	U	J0	0.0389	0.284	25	09/01/2017 01:57	WG1015912
n-Hexane	U		0.00824	0.284	25	09/01/2017 01:57	WG1015912

Volatile Organic Compounds (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		0.0718	0.284	25	09/01/2017 01:57	WG1015912
Isopropylbenzene	U		0.00691	0.0284	25	09/01/2017 01:57	WG1015912
p-Isopropyltoluene	U		0.00579	0.0284	25	09/01/2017 01:57	WG1015912
2-Butanone (MEK)	U	J0	0.133	0.284	25	09/01/2017 01:57	WG1015912
Methylene Chloride	U		0.0284	0.142	25	09/01/2017 01:57	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.0534	0.284	25	09/01/2017 01:57	WG1015912
Methyl tert-butyl ether	U		0.00602	0.0284	25	09/01/2017 01:57	WG1015912
Naphthalene	U		0.0284	0.142	25	09/01/2017 01:57	WG1015912
n-Propylbenzene	U		0.00585	0.0284	25	09/01/2017 01:57	WG1015912
Styrene	U		0.00665	0.0284	25	09/01/2017 01:57	WG1015912
1,1,1,2-Tetrachloroethane	U		0.00750	0.0284	25	09/01/2017 01:57	WG1015912
1,1,2,2-Tetrachloroethane	U		0.0104	0.0284	25	09/01/2017 01:57	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0284	25	09/01/2017 01:57	WG1015912
Tetrachloroethene	0.109		0.00784	0.0284	25	09/01/2017 01:57	WG1015912
Toluene	U		0.0123	0.142	25	09/01/2017 01:57	WG1015912
1,2,3-Trichlorobenzene	U		0.00869	0.0284	25	09/01/2017 01:57	WG1015912
1,2,4-Trichlorobenzene	U		0.0110	0.0284	25	09/01/2017 01:57	WG1015912
1,1,1-Trichloroethane	U		0.00812	0.0284	25	09/01/2017 01:57	WG1015912
1,1,2-Trichloroethane	U		0.00786	0.0284	25	09/01/2017 01:57	WG1015912
Trichloroethene	0.0373		0.00793	0.0284	25	09/01/2017 01:57	WG1015912
Trichlorofluoromethane	U		0.0109	0.142	25	09/01/2017 01:57	WG1015912
1,2,3-Trichloropropane	U		0.0210	0.0710	25	09/01/2017 01:57	WG1015912
1,2,4-Trimethylbenzene	U		0.00600	0.0284	25	09/01/2017 01:57	WG1015912
1,2,3-Trimethylbenzene	U		0.00816	0.0284	25	09/01/2017 01:57	WG1015912
1,3,5-Trimethylbenzene	U		0.00756	0.0284	25	09/01/2017 01:57	WG1015912
Vinyl acetate	U		0.0679	0.284	25	09/01/2017 01:57	WG1015912
Vinyl chloride	U		0.00827	0.0284	25	09/01/2017 01:57	WG1015912
Xylenes, Total	U		0.0198	0.0852	25	09/01/2017 01:57	WG1015912
(S) Toluene-d8	*107*			*80.0-120*		*09/01/2017 01:57*	WG1015912
(S) Toluene-d8	*108*			*80.0-120*		*09/02/2017 16:11*	WG1015912
(S) Dibromofluoromethane	*89.0*			*74.0-131*		*09/01/2017 01:57*	WG1015912
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*09/02/2017 16:11*	WG1015912
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*09/01/2017 01:57*	WG1015912
(S) 4-Bromofluorobenzene	*92.5*			*64.0-132*		*09/02/2017 16:11*	WG1015912

Sample Narrative:

L932260-09 WG1015912: Cannot analyze at a lower dilution. No more low level sodium bisulfite vials remaining.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.6		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/MS) 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	0.0130	0.0652	1	09/01/2017 02:15	WG1015912
Acrylonitrile	U		0.00234	0.0130	1	09/01/2017 02:15	WG1015912
Benzene	U		0.000352	0.00130	1	09/01/2017 02:15	WG1015912
Bromobenzene	U		0.000371	0.00130	1	09/01/2017 02:15	WG1015912
Bromodichloromethane	U		0.000331	0.00130	1	09/01/2017 02:15	WG1015912
Bromochloromethane	U		0.000509	0.00652	1	09/01/2017 02:15	WG1015912
Bromoform	U	J0	0.000553	0.00130	1	09/01/2017 02:15	WG1015912
Bromomethane	U		0.00175	0.00652	1	09/01/2017 02:15	WG1015912
n-Butylbenzene	U		0.000337	0.00130	1	09/01/2017 02:15	WG1015912
sec-Butylbenzene	U		0.000262	0.00130	1	09/01/2017 02:15	WG1015912
tert-Butylbenzene	U		0.000269	0.00130	1	09/01/2017 02:15	WG1015912
Carbon disulfide	0.000410	J	0.000288	0.00130	1	09/01/2017 02:15	WG1015912
Carbon tetrachloride	U		0.000428	0.00130	1	09/01/2017 02:15	WG1015912
Chlorobenzene	U		0.000277	0.00130	1	09/01/2017 02:15	WG1015912
Chlorodibromomethane	U		0.000487	0.00130	1	09/01/2017 02:15	WG1015912
Chloroethane	U		0.00123	0.00652	1	09/01/2017 02:15	WG1015912
Chloroform	U		0.000299	0.00652	1	09/01/2017 02:15	WG1015912
Chloromethane	U		0.000489	0.00326	1	09/01/2017 02:15	WG1015912
2-Chlorotoluene	U		0.000393	0.00130	1	09/01/2017 02:15	WG1015912
4-Chlorotoluene	U		0.000313	0.00130	1	09/01/2017 02:15	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00137	0.00652	1	09/01/2017 02:15	WG1015912
1,2-Dibromoethane	U		0.000447	0.00130	1	09/01/2017 02:15	WG1015912
Dibromomethane	U		0.000498	0.00130	1	09/01/2017 02:15	WG1015912
1,2-Dichlorobenzene	U		0.000398	0.00130	1	09/01/2017 02:15	WG1015912
1,3-Dichlorobenzene	U		0.000312	0.00130	1	09/01/2017 02:15	WG1015912
1,4-Dichlorobenzene	U		0.000295	0.00130	1	09/01/2017 02:15	WG1015912
Dichlorodifluoromethane	U		0.000930	0.00652	1	09/01/2017 02:15	WG1015912
1,1-Dichloroethane	U		0.000260	0.00130	1	09/01/2017 02:15	WG1015912
1,2-Dichloroethane	U		0.000346	0.00130	1	09/01/2017 02:15	WG1015912
1,1-Dichloroethene	U		0.000395	0.00130	1	09/01/2017 02:15	WG1015912
cis-1,2-Dichloroethene	U		0.000307	0.00130	1	09/01/2017 02:15	WG1015912
trans-1,2-Dichloroethene	U		0.000344	0.00130	1	09/01/2017 02:15	WG1015912
1,2-Dichloropropane	U		0.000467	0.00130	1	09/01/2017 02:15	WG1015912
1,1-Dichloropropene	U		0.000414	0.00130	1	09/01/2017 02:15	WG1015912
1,3-Dichloropropane	U		0.000270	0.00130	1	09/01/2017 02:15	WG1015912
cis-1,3-Dichloropropene	U		0.000342	0.00130	1	09/01/2017 02:15	WG1015912
trans-1,3-Dichloropropene	U		0.000348	0.00130	1	09/01/2017 02:15	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.00102	0.00326	1	09/01/2017 02:15	WG1015912
2,2-Dichloropropane	U		0.000364	0.00130	1	09/01/2017 02:15	WG1015912
Di-isopropyl ether	U		0.000324	0.00130	1	09/01/2017 02:15	WG1015912
Ethylbenzene	U		0.000387	0.00130	1	09/01/2017 02:15	WG1015912
Hexachloro-1,3-butadiene	U		0.000446	0.00130	1	09/02/2017 16:32	WG1015912
2-Hexanone	U	J0	0.00179	0.0130	1	09/01/2017 02:15	WG1015912
n-Hexane	0.00124	J	0.000378	0.0130	1	09/01/2017 02:15	WG1015912
Iodomethane	U		0.00330	0.0130	1	09/01/2017 02:15	WG1015912
Isopropylbenzene	U		0.000317	0.00130	1	09/01/2017 02:15	WG1015912
p-Isopropyltoluene	U		0.000266	0.00130	1	09/01/2017 02:15	WG1015912
2-Butanone (MEK)	U	J0	0.00611	0.0130	1	09/01/2017 02:15	WG1015912
Methylene Chloride	U		0.00130	0.00652	1	09/01/2017 02:15	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00245	0.0130	1	09/01/2017 02:15	WG1015912

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		0.000277	0.00130	1	09/01/2017 02:15	WG1015912
Naphthalene	U		0.00130	0.00652	1	09/01/2017 02:15	WG1015912
n-Propylbenzene	U		0.000269	0.00130	1	09/01/2017 02:15	WG1015912
Styrene	U		0.000305	0.00130	1	09/01/2017 02:15	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000344	0.00130	1	09/01/2017 02:15	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000476	0.00130	1	09/01/2017 02:15	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000476	0.00130	1	09/01/2017 02:15	WG1015912
Tetrachloroethene	U		0.000360	0.00130	1	09/01/2017 02:15	WG1015912
Toluene	U		0.000566	0.00652	1	09/01/2017 02:15	WG1015912
1,2,3-Trichlorobenzene	U		0.000399	0.00130	1	09/01/2017 02:15	WG1015912
1,2,4-Trichlorobenzene	U		0.000506	0.00130	1	09/01/2017 02:15	WG1015912
1,1,1-Trichloroethane	U		0.000373	0.00130	1	09/01/2017 02:15	WG1015912
1,1,2-Trichloroethane	U		0.000361	0.00130	1	09/01/2017 02:15	WG1015912
Trichloroethene	U		0.000364	0.00130	1	09/01/2017 02:15	WG1015912
Trichlorofluoromethane	U		0.000498	0.00652	1	09/01/2017 02:15	WG1015912
1,2,3-Trichloropropane	U		0.000967	0.00326	1	09/01/2017 02:15	WG1015912
1,2,4-Trimethylbenzene	U		0.000275	0.00130	1	09/01/2017 02:15	WG1015912
1,2,3-Trimethylbenzene	U		0.000374	0.00130	1	09/01/2017 02:15	WG1015912
1,3,5-Trimethylbenzene	U		0.000347	0.00130	1	09/01/2017 02:15	WG1015912
Vinyl acetate	U		0.00312	0.0130	1	09/01/2017 02:15	WG1015912
Vinyl chloride	U		0.000380	0.00130	1	09/01/2017 02:15	WG1015912
Xylenes, Total	U		0.000911	0.00391	1	09/01/2017 02:15	WG1015912
(S) Toluene-d8	*98.1*			*80.0-120*		*09/01/2017 02:15*	WG1015912
(S) Toluene-d8	*99.8*			*80.0-120*		*09/02/2017 16:32*	WG1015912
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/01/2017 02:15*	WG1015912
(S) Dibromofluoromethane	*93.8*			*74.0-131*		*09/02/2017 16:32*	WG1015912
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*09/02/2017 16:32*	WG1015912
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*09/01/2017 02:15*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	08/31/2017 11:22	WG1015509

Volatile Organic Compounds (GC/MS) 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	09/01/2017 02:32	WG1015912
Acrylonitrile	U		0.00205	0.0115	1	09/01/2017 02:32	WG1015912
Benzene	U		0.000310	0.00115	1	09/01/2017 02:32	WG1015912
Bromobenzene	U		0.000326	0.00115	1	09/01/2017 02:32	WG1015912
Bromodichloromethane	U		0.000292	0.00115	1	09/01/2017 02:32	WG1015912
Bromochloromethane	U		0.000448	0.00574	1	09/01/2017 02:32	WG1015912
Bromoform	U	J0	0.000487	0.00115	1	09/01/2017 02:32	WG1015912
Bromomethane	U		0.00154	0.00574	1	09/01/2017 02:32	WG1015912
n-Butylbenzene	U		0.000296	0.00115	1	09/01/2017 02:32	WG1015912
sec-Butylbenzene	U		0.000231	0.00115	1	09/01/2017 02:32	WG1015912
tert-Butylbenzene	U		0.000236	0.00115	1	09/01/2017 02:32	WG1015912
Carbon disulfide	0.00176		0.000254	0.00115	1	09/01/2017 02:32	WG1015912
Carbon tetrachloride	U		0.000376	0.00115	1	09/01/2017 02:32	WG1015912
Chlorobenzene	U		0.000243	0.00115	1	09/01/2017 02:32	WG1015912
Chlorodibromomethane	U		0.000428	0.00115	1	09/01/2017 02:32	WG1015912
Chloroethane	U		0.00109	0.00574	1	09/01/2017 02:32	WG1015912
Chloroform	U		0.000263	0.00574	1	09/01/2017 02:32	WG1015912
Chloromethane	U		0.000430	0.00287	1	09/01/2017 02:32	WG1015912
2-Chlorotoluene	U		0.000346	0.00115	1	09/01/2017 02:32	WG1015912
4-Chlorotoluene	U		0.000275	0.00115	1	09/01/2017 02:32	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	09/01/2017 02:32	WG1015912
1,2-Dibromoethane	U		0.000394	0.00115	1	09/01/2017 02:32	WG1015912
Dibromomethane	U		0.000438	0.00115	1	09/01/2017 02:32	WG1015912
1,2-Dichlorobenzene	U		0.000350	0.00115	1	09/01/2017 02:32	WG1015912
1,3-Dichlorobenzene	U		0.000274	0.00115	1	09/01/2017 02:32	WG1015912
1,4-Dichlorobenzene	U		0.000259	0.00115	1	09/01/2017 02:32	WG1015912
Dichlorodifluoromethane	U		0.000818	0.00574	1	09/01/2017 02:32	WG1015912
1,1-Dichloroethane	U		0.000228	0.00115	1	09/01/2017 02:32	WG1015912
1,2-Dichloroethane	U		0.000304	0.00115	1	09/01/2017 02:32	WG1015912
1,1-Dichloroethene	U		0.000348	0.00115	1	09/01/2017 02:32	WG1015912
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	09/01/2017 02:32	WG1015912
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	09/01/2017 02:32	WG1015912
1,2-Dichloropropane	U		0.000411	0.00115	1	09/01/2017 02:32	WG1015912
1,1-Dichloropropene	U		0.000364	0.00115	1	09/01/2017 02:32	WG1015912
1,3-Dichloropropane	U		0.000238	0.00115	1	09/01/2017 02:32	WG1015912
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	09/01/2017 02:32	WG1015912
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	09/01/2017 02:32	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.000893	0.00287	1	09/01/2017 02:32	WG1015912
2,2-Dichloropropane	U		0.000320	0.00115	1	09/01/2017 02:32	WG1015912
Di-isopropyl ether	U		0.000285	0.00115	1	09/01/2017 02:32	WG1015912
Ethylbenzene	U		0.000341	0.00115	1	09/01/2017 02:32	WG1015912
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	09/02/2017 16:52	WG1015912
2-Hexanone	U	J0	0.00157	0.0115	1	09/01/2017 02:32	WG1015912
n-Hexane	U		0.000333	0.0115	1	09/01/2017 02:32	WG1015912
Iodomethane	U		0.00290	0.0115	1	09/01/2017 02:32	WG1015912
Isopropylbenzene	U		0.000279	0.00115	1	09/01/2017 02:32	WG1015912
p-Isopropyltoluene	U		0.000234	0.00115	1	09/01/2017 02:32	WG1015912
2-Butanone (MEK)	U	J0	0.00537	0.0115	1	09/01/2017 02:32	WG1015912
Methylene Chloride	U		0.00115	0.00574	1	09/01/2017 02:32	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/01/2017 02:32	WG1015912

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		0.000243	0.00115	1	09/01/2017 02:32	WG1015912
Naphthalene	U		0.00115	0.00574	1	09/01/2017 02:32	WG1015912
n-Propylbenzene	U		0.000236	0.00115	1	09/01/2017 02:32	WG1015912
Styrene	U		0.000269	0.00115	1	09/01/2017 02:32	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	09/01/2017 02:32	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	09/01/2017 02:32	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	09/01/2017 02:32	WG1015912
Tetrachloroethene	U		0.000317	0.00115	1	09/01/2017 02:32	WG1015912
Toluene	U		0.000498	0.00574	1	09/01/2017 02:32	WG1015912
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	09/01/2017 02:32	WG1015912
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	09/01/2017 02:32	WG1015912
1,1,1-Trichloroethane	U		0.000328	0.00115	1	09/01/2017 02:32	WG1015912
1,1,2-Trichloroethane	U		0.000318	0.00115	1	09/01/2017 02:32	WG1015912
Trichloroethene	U		0.000320	0.00115	1	09/01/2017 02:32	WG1015912
Trichlorofluoromethane	U		0.000438	0.00574	1	09/01/2017 02:32	WG1015912
1,2,3-Trichloropropane	U		0.000851	0.00287	1	09/01/2017 02:32	WG1015912
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	09/01/2017 02:32	WG1015912
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	09/01/2017 02:32	WG1015912
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	09/01/2017 02:32	WG1015912
Vinyl acetate	U		0.00274	0.0115	1	09/01/2017 02:32	WG1015912
Vinyl chloride	U		0.000334	0.00115	1	09/01/2017 02:32	WG1015912
Xylenes, Total	U		0.000801	0.00344	1	09/01/2017 02:32	WG1015912
(S) Toluene-d8	*103*			*80.0-120*		*09/02/2017 16:52*	WG1015912
(S) Toluene-d8	*95.0*			*80.0-120*		*09/01/2017 02:32*	WG1015912
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 02:32*	WG1015912
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*09/02/2017 16:52*	WG1015912
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/01/2017 02:32*	WG1015912
(S) 4-Bromofluorobenzene	*86.8*			*64.0-132*		*09/02/2017 16:52*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	08/31/2017 15:04	WG1015695

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.24		0.0384	0.113	1	08/29/2017 21:32	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-120*		*08/29/2017 21:32*	WG1014832

Volatile Organic Compounds (GC/MS) 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	09/01/2017 02:49	WG1015912
Acrylonitrile	U		0.00203	0.0113	1	09/01/2017 02:49	WG1015912
Benzene	U		0.000306	0.00113	1	09/01/2017 02:49	WG1015912
Bromobenzene	U		0.000322	0.00113	1	09/01/2017 02:49	WG1015912
Bromodichloromethane	U		0.000288	0.00113	1	09/01/2017 02:49	WG1015912
Bromochloromethane	U		0.000442	0.00566	1	09/01/2017 02:49	WG1015912
Bromoform	U	J0	0.000480	0.00113	1	09/01/2017 02:49	WG1015912
Bromomethane	U		0.00152	0.00566	1	09/01/2017 02:49	WG1015912
n-Butylbenzene	U		0.000292	0.00113	1	09/01/2017 02:49	WG1015912
sec-Butylbenzene	U		0.000228	0.00113	1	09/01/2017 02:49	WG1015912
tert-Butylbenzene	U		0.000233	0.00113	1	09/01/2017 02:49	WG1015912
Carbon disulfide	0.000483	J	0.000250	0.00113	1	09/01/2017 02:49	WG1015912
Carbon tetrachloride	U		0.000371	0.00113	1	09/01/2017 02:49	WG1015912
Chlorobenzene	U		0.000240	0.00113	1	09/01/2017 02:49	WG1015912
Chlorodibromomethane	U		0.000422	0.00113	1	09/01/2017 02:49	WG1015912
Chloroethane	U		0.00107	0.00566	1	09/01/2017 02:49	WG1015912
Chloroform	U		0.000259	0.00566	1	09/01/2017 02:49	WG1015912
Chloromethane	U		0.000425	0.00283	1	09/01/2017 02:49	WG1015912
2-Chlorotoluene	U		0.000341	0.00113	1	09/01/2017 02:49	WG1015912
4-Chlorotoluene	U		0.000272	0.00113	1	09/01/2017 02:49	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	09/01/2017 02:49	WG1015912
1,2-Dibromoethane	U		0.000388	0.00113	1	09/01/2017 02:49	WG1015912
Dibromomethane	U		0.000433	0.00113	1	09/01/2017 02:49	WG1015912
1,2-Dichlorobenzene	U		0.000345	0.00113	1	09/01/2017 02:49	WG1015912
1,3-Dichlorobenzene	U		0.000271	0.00113	1	09/01/2017 02:49	WG1015912
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/01/2017 02:49	WG1015912
Dichlorodifluoromethane	U		0.000807	0.00566	1	09/01/2017 02:49	WG1015912
1,1-Dichloroethane	U		0.000225	0.00113	1	09/01/2017 02:49	WG1015912
1,2-Dichloroethane	U		0.000300	0.00113	1	09/01/2017 02:49	WG1015912
1,1-Dichloroethene	0.00404		0.000343	0.00113	1	09/01/2017 02:49	WG1015912
cis-1,2-Dichloroethene	6.93		0.0134	0.0566	50	09/02/2017 17:13	WG1015912
trans-1,2-Dichloroethene	0.0224		0.000299	0.00113	1	09/01/2017 02:49	WG1015912
1,2-Dichloropropane	U		0.000405	0.00113	1	09/01/2017 02:49	WG1015912
1,1-Dichloropropene	U		0.000359	0.00113	1	09/01/2017 02:49	WG1015912
1,3-Dichloropropane	U		0.000234	0.00113	1	09/01/2017 02:49	WG1015912
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	09/01/2017 02:49	WG1015912
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	09/01/2017 02:49	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.000881	0.00283	1	09/01/2017 02:49	WG1015912
2,2-Dichloropropane	U		0.000316	0.00113	1	09/01/2017 02:49	WG1015912
Di-isopropyl ether	U		0.000281	0.00113	1	09/01/2017 02:49	WG1015912
Ethylbenzene	U		0.000336	0.00113	1	09/01/2017 02:49	WG1015912
Hexachloro-1,3-butadiene	U		0.0194	0.0566	50	09/02/2017 17:13	WG1015912
2-Hexanone	U	J0	0.00155	0.0113	1	09/01/2017 02:49	WG1015912
n-Hexane	U		0.000328	0.0113	1	09/01/2017 02:49	WG1015912

Volatile Organic Compounds (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	09/01/2017 02:49	WG1015912
Isopropylbenzene	U		0.000275	0.00113	1	09/01/2017 02:49	WG1015912
p-Isopropyltoluene	U		0.000231	0.00113	1	09/01/2017 02:49	WG1015912
2-Butanone (MEK)	U	J0	0.00530	0.0113	1	09/01/2017 02:49	WG1015912
Methylene Chloride	U		0.00113	0.00566	1	09/01/2017 02:49	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	09/01/2017 02:49	WG1015912
Methyl tert-butyl ether	U		0.000240	0.00113	1	09/01/2017 02:49	WG1015912
Naphthalene	U		0.00113	0.00566	1	09/01/2017 02:49	WG1015912
n-Propylbenzene	U		0.000233	0.00113	1	09/01/2017 02:49	WG1015912
Styrene	U		0.000265	0.00113	1	09/01/2017 02:49	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	09/01/2017 02:49	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	09/01/2017 02:49	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	09/01/2017 02:49	WG1015912
Tetrachloroethene	0.00152		0.000313	0.00113	1	09/01/2017 02:49	WG1015912
Toluene	U		0.000491	0.00566	1	09/01/2017 02:49	WG1015912
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	09/01/2017 02:49	WG1015912
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	09/01/2017 02:49	WG1015912
1,1,1-Trichloroethane	U		0.000324	0.00113	1	09/01/2017 02:49	WG1015912
1,1,2-Trichloroethane	U		0.000314	0.00113	1	09/01/2017 02:49	WG1015912
Trichloroethene	U		0.000316	0.00113	1	09/01/2017 02:49	WG1015912
Trichlorofluoromethane	U		0.000433	0.00566	1	09/01/2017 02:49	WG1015912
1,2,3-Trichloropropane	U		0.000839	0.00283	1	09/01/2017 02:49	WG1015912
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	09/01/2017 02:49	WG1015912
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	09/01/2017 02:49	WG1015912
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	09/01/2017 02:49	WG1015912
Vinyl acetate	U		0.00271	0.0113	1	09/01/2017 02:49	WG1015912
Vinyl chloride	0.428		0.0165	0.0566	50	09/02/2017 17:13	WG1015912
Xylenes, Total	U		0.000790	0.00340	1	09/01/2017 02:49	WG1015912
(S) Toluene-d8	*110*			*80.0-120*		*09/02/2017 17:13*	WG1015912
(S) Toluene-d8	*94.4*			*80.0-120*		*09/01/2017 02:49*	WG1015912
(S) Dibromofluoromethane	*88.7*			*74.0-131*		*09/02/2017 17:13*	WG1015912
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/01/2017 02:49*	WG1015912
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*09/01/2017 02:49*	WG1015912
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*09/02/2017 17:13*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	08/31/2017 15:04	WG1015695

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	0.727		0.0378	0.112	1	08/29/2017 21:54	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*77.0-120*		*08/29/2017 21:54*	WG1014832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0169	J JO	0.0112	0.0558	1	09/01/2017 05:25	WG1015912
Acrylonitrile	U		0.00200	0.0112	1	09/01/2017 05:25	WG1015912
Benzene	0.000397	J	0.000301	0.00112	1	09/01/2017 05:25	WG1015912
Bromobenzene	U		0.000317	0.00112	1	09/01/2017 05:25	WG1015912
Bromodichloromethane	U		0.000283	0.00112	1	09/01/2017 05:25	WG1015912
Bromochloromethane	U		0.000435	0.00558	1	09/01/2017 05:25	WG1015912
Bromoform	U	JO	0.000473	0.00112	1	09/01/2017 05:25	WG1015912
Bromomethane	U		0.00149	0.00558	1	09/01/2017 05:25	WG1015912
n-Butylbenzene	U		0.000288	0.00112	1	09/01/2017 05:25	WG1015912
sec-Butylbenzene	U		0.000224	0.00112	1	09/01/2017 05:25	WG1015912
tert-Butylbenzene	U		0.000230	0.00112	1	09/01/2017 05:25	WG1015912
Carbon disulfide	0.00478		0.000247	0.00112	1	09/01/2017 05:25	WG1015912
Carbon tetrachloride	U		0.000366	0.00112	1	09/01/2017 05:25	WG1015912
Chlorobenzene	U		0.000236	0.00112	1	09/01/2017 05:25	WG1015912
Chlorodibromomethane	U		0.000416	0.00112	1	09/01/2017 05:25	WG1015912
Chloroethane	U		0.00106	0.00558	1	09/01/2017 05:25	WG1015912
Chloroform	U		0.000255	0.00558	1	09/01/2017 05:25	WG1015912
Chloromethane	U		0.000418	0.00279	1	09/01/2017 05:25	WG1015912
2-Chlorotoluene	U		0.000336	0.00112	1	09/01/2017 05:25	WG1015912
4-Chlorotoluene	U		0.000268	0.00112	1	09/01/2017 05:25	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	09/01/2017 05:25	WG1015912
1,2-Dibromoethane	U		0.000383	0.00112	1	09/01/2017 05:25	WG1015912
Dibromomethane	U		0.000426	0.00112	1	09/01/2017 05:25	WG1015912
1,2-Dichlorobenzene	U		0.000340	0.00112	1	09/01/2017 05:25	WG1015912
1,3-Dichlorobenzene	U		0.000267	0.00112	1	09/01/2017 05:25	WG1015912
1,4-Dichlorobenzene	U		0.000252	0.00112	1	09/01/2017 05:25	WG1015912
Dichlorodifluoromethane	U		0.000795	0.00558	1	09/01/2017 05:25	WG1015912
1,1-Dichloroethane	U		0.000222	0.00112	1	09/01/2017 05:25	WG1015912
1,2-Dichloroethane	U		0.000296	0.00112	1	09/01/2017 05:25	WG1015912
1,1-Dichloroethene	0.000497	J	0.000338	0.00112	1	09/01/2017 05:25	WG1015912
cis-1,2-Dichloroethene	2.47		0.00656	0.0279	25	09/02/2017 17:33	WG1015912
trans-1,2-Dichloroethene	0.00359		0.000294	0.00112	1	09/01/2017 05:25	WG1015912
1,2-Dichloropropane	U		0.000399	0.00112	1	09/01/2017 05:25	WG1015912
1,1-Dichloropropene	U		0.000354	0.00112	1	09/01/2017 05:25	WG1015912
1,3-Dichloropropane	U		0.000231	0.00112	1	09/01/2017 05:25	WG1015912
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	09/01/2017 05:25	WG1015912
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	09/01/2017 05:25	WG1015912
trans-1,4-Dichloro-2-butene	U	JO	0.000868	0.00279	1	09/01/2017 05:25	WG1015912
2,2-Dichloropropane	U		0.000311	0.00112	1	09/01/2017 05:25	WG1015912
Di-isopropyl ether	U		0.000277	0.00112	1	09/01/2017 05:25	WG1015912
Ethylbenzene	U		0.000331	0.00112	1	09/01/2017 05:25	WG1015912
Hexachloro-1,3-butadiene	U		0.00954	0.0279	25	09/02/2017 17:33	WG1015912
2-Hexanone	U	JO	0.00153	0.0112	1	09/01/2017 05:25	WG1015912
n-Hexane	0.0285		0.000323	0.0112	1	09/01/2017 05:25	WG1015912

Volatile Organic Compounds (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		0.00282	0.0112	1	09/01/2017 05:25	WG1015912
Isopropylbenzene	U		0.000271	0.00112	1	09/01/2017 05:25	WG1015912
p-Isopropyltoluene	U		0.000228	0.00112	1	09/01/2017 05:25	WG1015912
2-Butanone (MEK)	U	J0	0.00522	0.0112	1	09/01/2017 05:25	WG1015912
Methylene Chloride	U		0.00112	0.00558	1	09/01/2017 05:25	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	09/01/2017 05:25	WG1015912
Methyl tert-butyl ether	U		0.000236	0.00112	1	09/01/2017 05:25	WG1015912
Naphthalene	U		0.00112	0.00558	1	09/01/2017 05:25	WG1015912
n-Propylbenzene	U		0.000230	0.00112	1	09/01/2017 05:25	WG1015912
Styrene	U		0.000261	0.00112	1	09/01/2017 05:25	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000294	0.00112	1	09/01/2017 05:25	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	09/01/2017 05:25	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	09/01/2017 05:25	WG1015912
Tetrachloroethene	0.0325		0.000308	0.00112	1	09/01/2017 05:25	WG1015912
Toluene	U		0.000484	0.00558	1	09/01/2017 05:25	WG1015912
1,2,3-Trichlorobenzene	U		0.000341	0.00112	1	09/01/2017 05:25	WG1015912
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	09/01/2017 05:25	WG1015912
1,1,1-Trichloroethane	U		0.000319	0.00112	1	09/01/2017 05:25	WG1015912
1,1,2-Trichloroethane	U		0.000309	0.00112	1	09/01/2017 05:25	WG1015912
Trichloroethene	0.00590		0.000311	0.00112	1	09/01/2017 05:25	WG1015912
Trichlorofluoromethane	U		0.000426	0.00558	1	09/01/2017 05:25	WG1015912
1,2,3-Trichloropropane	U		0.000827	0.00279	1	09/01/2017 05:25	WG1015912
1,2,4-Trimethylbenzene	U		0.000235	0.00112	1	09/01/2017 05:25	WG1015912
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	09/01/2017 05:25	WG1015912
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	09/01/2017 05:25	WG1015912
Vinyl acetate	U		0.00267	0.0112	1	09/01/2017 05:25	WG1015912
Vinyl chloride	0.0261		0.000325	0.00112	1	09/01/2017 05:25	WG1015912
Xylenes, Total	U		0.000779	0.00335	1	09/01/2017 05:25	WG1015912
(S) Toluene-d8	*92.2*			*80.0-120*		*09/01/2017 05:25*	WG1015912
(S) Toluene-d8	*111*			*80.0-120*		*09/02/2017 17:33*	WG1015912
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/01/2017 05:25*	WG1015912
(S) Dibromofluoromethane	*89.7*			*74.0-131*		*09/02/2017 17:33*	WG1015912
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*09/01/2017 05:25*	WG1015912
(S) 4-Bromofluorobenzene	*88.7*			*64.0-132*		*09/02/2017 17:33*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0533	1	09/01/2017 05:43	WG1015912
Acrylonitrile	U		0.00191	0.0107	1	09/01/2017 05:43	WG1015912
Benzene	U		0.000288	0.00107	1	09/01/2017 05:43	WG1015912
Bromobenzene	U		0.000303	0.00107	1	09/01/2017 05:43	WG1015912
Bromodichloromethane	U		0.000271	0.00107	1	09/01/2017 05:43	WG1015912
Bromochloromethane	U		0.000416	0.00533	1	09/01/2017 05:43	WG1015912
Bromoform	U	J0	0.000452	0.00107	1	09/01/2017 05:43	WG1015912
Bromomethane	U		0.00143	0.00533	1	09/01/2017 05:43	WG1015912
n-Butylbenzene	U		0.000275	0.00107	1	09/01/2017 05:43	WG1015912
sec-Butylbenzene	U		0.000214	0.00107	1	09/01/2017 05:43	WG1015912
tert-Butylbenzene	U		0.000220	0.00107	1	09/01/2017 05:43	WG1015912
Carbon disulfide	0.00130		0.000235	0.00107	1	09/01/2017 05:43	WG1015912
Carbon tetrachloride	U		0.000350	0.00107	1	09/01/2017 05:43	WG1015912
Chlorobenzene	U		0.000226	0.00107	1	09/01/2017 05:43	WG1015912
Chlorodibromomethane	U		0.000397	0.00107	1	09/01/2017 05:43	WG1015912
Chloroethane	U		0.00101	0.00533	1	09/01/2017 05:43	WG1015912
Chloroform	U		0.000244	0.00533	1	09/01/2017 05:43	WG1015912
Chloromethane	U		0.000400	0.00266	1	09/01/2017 05:43	WG1015912
2-Chlorotoluene	U		0.000321	0.00107	1	09/01/2017 05:43	WG1015912
4-Chlorotoluene	U		0.000256	0.00107	1	09/01/2017 05:43	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00533	1	09/01/2017 05:43	WG1015912
1,2-Dibromoethane	U		0.000366	0.00107	1	09/01/2017 05:43	WG1015912
Dibromomethane	U		0.000407	0.00107	1	09/01/2017 05:43	WG1015912
1,2-Dichlorobenzene	U		0.000325	0.00107	1	09/01/2017 05:43	WG1015912
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/01/2017 05:43	WG1015912
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/01/2017 05:43	WG1015912
Dichlorodifluoromethane	U		0.000760	0.00533	1	09/01/2017 05:43	WG1015912
1,1-Dichloroethane	U		0.000212	0.00107	1	09/01/2017 05:43	WG1015912
1,2-Dichloroethane	U		0.000282	0.00107	1	09/01/2017 05:43	WG1015912
1,1-Dichloroethene	U		0.000323	0.00107	1	09/01/2017 05:43	WG1015912
cis-1,2-Dichloroethene	U		0.000323	0.00137	1.29	09/02/2017 17:54	WG1015912
trans-1,2-Dichloroethene	U		0.000281	0.00107	1	09/01/2017 05:43	WG1015912
1,2-Dichloropropane	U		0.000381	0.00107	1	09/01/2017 05:43	WG1015912
1,1-Dichloropropene	U		0.000338	0.00107	1	09/01/2017 05:43	WG1015912
1,3-Dichloropropane	U		0.000221	0.00107	1	09/01/2017 05:43	WG1015912
cis-1,3-Dichloropropene	U		0.000279	0.00107	1	09/01/2017 05:43	WG1015912
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/01/2017 05:43	WG1015912
trans-1,4-Dichloro-2-butene	U	J0	0.000829	0.00266	1	09/01/2017 05:43	WG1015912
2,2-Dichloropropane	U		0.000297	0.00107	1	09/01/2017 05:43	WG1015912
Di-isopropyl ether	U		0.000264	0.00107	1	09/01/2017 05:43	WG1015912
Ethylbenzene	U		0.000316	0.00107	1	09/01/2017 05:43	WG1015912
Hexachloro-1,3-butadiene	U		0.000470	0.00137	1.29	09/02/2017 17:54	WG1015912
2-Hexanone	U	J0	0.00146	0.0107	1	09/01/2017 05:43	WG1015912
n-Hexane	0.00194	J	0.000309	0.0107	1	09/01/2017 05:43	WG1015912
Iodomethane	U		0.00270	0.0107	1	09/01/2017 05:43	WG1015912
Isopropylbenzene	U		0.000259	0.00107	1	09/01/2017 05:43	WG1015912
p-Isopropyltoluene	U		0.000217	0.00107	1	09/01/2017 05:43	WG1015912
2-Butanone (MEK)	U	J0	0.00499	0.0107	1	09/01/2017 05:43	WG1015912
Methylene Chloride	U		0.00107	0.00533	1	09/01/2017 05:43	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0107	1	09/01/2017 05:43	WG1015912

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00107	1	09/01/2017 05:43	WG1015912
Naphthalene	U		0.00107	0.00533	1	09/01/2017 05:43	WG1015912
n-Propylbenzene	U		0.000220	0.00107	1	09/01/2017 05:43	WG1015912
Styrene	U		0.000249	0.00107	1	09/01/2017 05:43	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000281	0.00107	1	09/01/2017 05:43	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000389	0.00107	1	09/01/2017 05:43	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000389	0.00107	1	09/01/2017 05:43	WG1015912
Tetrachloroethene	0.000322	J	0.000294	0.00107	1	09/01/2017 05:43	WG1015912
Toluene	U		0.000462	0.00533	1	09/01/2017 05:43	WG1015912
1,2,3-Trichlorobenzene	U		0.000326	0.00107	1	09/01/2017 05:43	WG1015912
1,2,4-Trichlorobenzene	U		0.000413	0.00107	1	09/01/2017 05:43	WG1015912
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/01/2017 05:43	WG1015912
1,1,2-Trichloroethane	U		0.000295	0.00107	1	09/01/2017 05:43	WG1015912
Trichloroethene	U		0.000297	0.00107	1	09/01/2017 05:43	WG1015912
Trichlorofluoromethane	U		0.000407	0.00533	1	09/01/2017 05:43	WG1015912
1,2,3-Trichloropropane	U		0.000790	0.00266	1	09/01/2017 05:43	WG1015912
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/01/2017 05:43	WG1015912
1,2,3-Trimethylbenzene	U		0.000306	0.00107	1	09/01/2017 05:43	WG1015912
1,3,5-Trimethylbenzene	U		0.000283	0.00107	1	09/01/2017 05:43	WG1015912
Vinyl acetate	U		0.00255	0.0107	1	09/01/2017 05:43	WG1015912
Vinyl chloride	U		0.000310	0.00107	1	09/01/2017 05:43	WG1015912
Xylenes, Total	U		0.000744	0.00320	1	09/01/2017 05:43	WG1015912
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 17:54*	WG1015912
(S) Toluene-d8	*98.2*			*80.0-120*		*09/01/2017 05:43*	WG1015912
(S) Dibromofluoromethane	*94.0*			*74.0-131*		*09/02/2017 17:54*	WG1015912
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/01/2017 05:43*	WG1015912
(S) 4-Bromofluorobenzene	*89.6*			*64.0-132*		*09/02/2017 17:54*	WG1015912
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*09/01/2017 05:43*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	08/31/2017 11:22	WG1015509

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0115	J JO	0.0106	0.0530	1	09/01/2017 06:00	WG1015912
Acrylonitrile	U		0.00190	0.0106	1	09/01/2017 06:00	WG1015912
Benzene	U		0.000286	0.00106	1	09/01/2017 06:00	WG1015912
Bromobenzene	U		0.000301	0.00106	1	09/01/2017 06:00	WG1015912
Bromodichloromethane	U		0.000269	0.00106	1	09/01/2017 06:00	WG1015912
Bromochloromethane	U		0.000414	0.00530	1	09/01/2017 06:00	WG1015912
Bromoform	U	JO	0.000450	0.00106	1	09/01/2017 06:00	WG1015912
Bromomethane	U		0.00142	0.00530	1	09/01/2017 06:00	WG1015912
n-Butylbenzene	U		0.000274	0.00106	1	09/01/2017 06:00	WG1015912
sec-Butylbenzene	U		0.000213	0.00106	1	09/01/2017 06:00	WG1015912
tert-Butylbenzene	U		0.000218	0.00106	1	09/01/2017 06:00	WG1015912
Carbon disulfide	0.000870	J	0.000234	0.00106	1	09/01/2017 06:00	WG1015912
Carbon tetrachloride	U		0.000348	0.00106	1	09/01/2017 06:00	WG1015912
Chlorobenzene	U		0.000225	0.00106	1	09/01/2017 06:00	WG1015912
Chlorodibromomethane	U		0.000396	0.00106	1	09/01/2017 06:00	WG1015912
Chloroethane	U		0.00100	0.00530	1	09/01/2017 06:00	WG1015912
Chloroform	U		0.000243	0.00530	1	09/01/2017 06:00	WG1015912
Chloromethane	U		0.000398	0.00265	1	09/01/2017 06:00	WG1015912
2-Chlorotoluene	U		0.000319	0.00106	1	09/01/2017 06:00	WG1015912
4-Chlorotoluene	U		0.000255	0.00106	1	09/01/2017 06:00	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00530	1	09/01/2017 06:00	WG1015912
1,2-Dibromoethane	U		0.000364	0.00106	1	09/01/2017 06:00	WG1015912
Dibromomethane	U		0.000405	0.00106	1	09/01/2017 06:00	WG1015912
1,2-Dichlorobenzene	U		0.000323	0.00106	1	09/01/2017 06:00	WG1015912
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/01/2017 06:00	WG1015912
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/01/2017 06:00	WG1015912
Dichlorodifluoromethane	U		0.000756	0.00530	1	09/01/2017 06:00	WG1015912
1,1-Dichloroethane	U		0.000211	0.00106	1	09/01/2017 06:00	WG1015912
1,2-Dichloroethane	U		0.000281	0.00106	1	09/01/2017 06:00	WG1015912
1,1-Dichloroethene	U		0.000321	0.00106	1	09/01/2017 06:00	WG1015912
cis-1,2-Dichloroethene	U		0.000249	0.00106	1	09/02/2017 18:14	WG1015912
trans-1,2-Dichloroethene	U		0.000280	0.00106	1	09/01/2017 06:00	WG1015912
1,2-Dichloropropane	U		0.000380	0.00106	1	09/01/2017 06:00	WG1015912
1,1-Dichloropropene	U		0.000336	0.00106	1	09/01/2017 06:00	WG1015912
1,3-Dichloropropane	U		0.000220	0.00106	1	09/01/2017 06:00	WG1015912
cis-1,3-Dichloropropene	U		0.000278	0.00106	1	09/01/2017 06:00	WG1015912
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	09/01/2017 06:00	WG1015912
trans-1,4-Dichloro-2-butene	U	JO	0.000825	0.00265	1	09/01/2017 06:00	WG1015912
2,2-Dichloropropane	U		0.000296	0.00106	1	09/01/2017 06:00	WG1015912
Di-isopropyl ether	U		0.000263	0.00106	1	09/01/2017 06:00	WG1015912
Ethylbenzene	U		0.000315	0.00106	1	09/01/2017 06:00	WG1015912
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	09/02/2017 18:14	WG1015912
2-Hexanone	U	JO	0.00145	0.0106	1	09/01/2017 06:00	WG1015912
n-Hexane	U		0.000308	0.0106	1	09/01/2017 06:00	WG1015912
Iodomethane	U		0.00268	0.0106	1	09/01/2017 06:00	WG1015912
Isopropylbenzene	U		0.000258	0.00106	1	09/01/2017 06:00	WG1015912
p-Isopropyltoluene	U		0.000216	0.00106	1	09/01/2017 06:00	WG1015912
2-Butanone (MEK)	U	JO	0.00496	0.0106	1	09/01/2017 06:00	WG1015912
Methylene Chloride	U		0.00106	0.00530	1	09/01/2017 06:00	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/01/2017 06:00	WG1015912

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

Analyte	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	09/01/2017 06:00	WG1015912
Naphthalene	U		0.00106	0.00530	1	09/01/2017 06:00	WG1015912
n-Propylbenzene	U		0.000218	0.00106	1	09/01/2017 06:00	WG1015912
Styrene	U		0.000248	0.00106	1	09/01/2017 06:00	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	09/01/2017 06:00	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	09/01/2017 06:00	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	09/01/2017 06:00	WG1015912
Tetrachloroethene	U		0.000293	0.00106	1	09/01/2017 06:00	WG1015912
Toluene	U		0.000460	0.00530	1	09/01/2017 06:00	WG1015912
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	09/01/2017 06:00	WG1015912
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	09/01/2017 06:00	WG1015912
1,1,1-Trichloroethane	U		0.000303	0.00106	1	09/01/2017 06:00	WG1015912
1,1,2-Trichloroethane	U		0.000294	0.00106	1	09/01/2017 06:00	WG1015912
Trichloroethene	U		0.000296	0.00106	1	09/01/2017 06:00	WG1015912
Trichlorofluoromethane	U		0.000405	0.00530	1	09/01/2017 06:00	WG1015912
1,2,3-Trichloropropane	U		0.000786	0.00265	1	09/01/2017 06:00	WG1015912
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	09/01/2017 06:00	WG1015912
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	09/01/2017 06:00	WG1015912
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	09/01/2017 06:00	WG1015912
Vinyl acetate	U		0.00253	0.0106	1	09/01/2017 06:00	WG1015912
Vinyl chloride	U		0.000309	0.00106	1	09/01/2017 06:00	WG1015912
Xylenes, Total	U		0.000740	0.00318	1	09/01/2017 06:00	WG1015912
(S) Toluene-d8	*95.9*			*80.0-120*		*09/01/2017 06:00*	WG1015912
(S) Toluene-d8	*101*			*80.0-120*		*09/02/2017 18:14*	WG1015912
(S) Dibromofluoromethane	*94.9*			*74.0-131*		*09/02/2017 18:14*	WG1015912
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 06:00*	WG1015912
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*09/01/2017 06:00*	WG1015912
(S) 4-Bromofluorobenzene	*85.5*			*64.0-132*		*09/02/2017 18:14*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	08/31/2017 11:22	WG1015509

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0115	0.0575	1	09/04/2017 15:58	WG1014887
Acrylonitrile	U		0.00206	0.0115	1	08/31/2017 02:05	WG1014887
Benzene	U		0.000310	0.00115	1	08/31/2017 02:05	WG1014887
Bromobenzene	U		0.000326	0.00115	1	08/31/2017 02:05	WG1014887
Bromodichloromethane	U		0.000292	0.00115	1	08/31/2017 02:05	WG1014887
Bromochloromethane	U		0.000448	0.00575	1	08/31/2017 02:05	WG1014887
Bromoform	U		0.000487	0.00115	1	08/31/2017 02:05	WG1014887
Bromomethane	U		0.00154	0.00575	1	08/31/2017 02:05	WG1014887
n-Butylbenzene	U		0.000297	0.00115	1	08/31/2017 02:05	WG1014887
sec-Butylbenzene	U		0.000231	0.00115	1	08/31/2017 02:05	WG1014887
tert-Butylbenzene	U		0.000237	0.00115	1	08/31/2017 02:05	WG1014887
Carbon disulfide	0.000499	J	0.000254	0.00115	1	08/31/2017 02:05	WG1014887
Carbon tetrachloride	U		0.000377	0.00115	1	08/31/2017 02:05	WG1014887
Chlorobenzene	U		0.000244	0.00115	1	08/31/2017 02:05	WG1014887
Chlorodibromomethane	U		0.000429	0.00115	1	08/31/2017 02:05	WG1014887
Chloroethane	U		0.00109	0.00575	1	08/31/2017 02:05	WG1014887
Chloroform	U		0.000263	0.00575	1	08/31/2017 02:05	WG1014887
Chloromethane	U		0.000431	0.00287	1	08/31/2017 02:05	WG1014887
2-Chlorotoluene	U		0.000346	0.00115	1	08/31/2017 02:05	WG1014887
4-Chlorotoluene	U		0.000276	0.00115	1	08/31/2017 02:05	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00121	0.00575	1	08/31/2017 02:05	WG1014887
1,2-Dibromoethane	U		0.000394	0.00115	1	08/31/2017 02:05	WG1014887
Dibromomethane	U		0.000439	0.00115	1	08/31/2017 02:05	WG1014887
1,2-Dichlorobenzene	U		0.000351	0.00115	1	08/31/2017 02:05	WG1014887
1,3-Dichlorobenzene	U		0.000275	0.00115	1	08/31/2017 02:05	WG1014887
1,4-Dichlorobenzene	U		0.000260	0.00115	1	08/31/2017 02:05	WG1014887
Dichlorodifluoromethane	U		0.000819	0.00575	1	08/31/2017 02:05	WG1014887
1,1-Dichloroethane	U		0.000229	0.00115	1	08/31/2017 02:05	WG1014887
1,2-Dichloroethane	U		0.000305	0.00115	1	08/31/2017 02:05	WG1014887
1,1-Dichloroethene	U		0.000348	0.00115	1	08/31/2017 02:05	WG1014887
cis-1,2-Dichloroethene	0.00106	J	0.000270	0.00115	1	08/31/2017 02:05	WG1014887
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	08/31/2017 02:05	WG1014887
1,2-Dichloropropane	U		0.000411	0.00115	1	08/31/2017 02:05	WG1014887
1,1-Dichloropropene	U		0.000364	0.00115	1	08/31/2017 02:05	WG1014887
1,3-Dichloropropane	U		0.000238	0.00115	1	08/31/2017 02:05	WG1014887
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	08/31/2017 02:05	WG1014887
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	08/31/2017 02:05	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	08/31/2017 02:05	WG1014887
2,2-Dichloropropane	U		0.000321	0.00115	1	08/31/2017 02:05	WG1014887
Di-isopropyl ether	U		0.000285	0.00115	1	08/31/2017 02:05	WG1014887
Ethylbenzene	U		0.000341	0.00115	1	08/31/2017 02:05	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000393	0.00115	1	08/31/2017 02:05	WG1014887
2-Hexanone	U		0.00157	0.0115	1	08/31/2017 02:05	WG1014887
n-Hexane	0.000674	J	0.000333	0.0115	1	08/31/2017 02:05	WG1014887
Iodomethane	U		0.00291	0.0115	1	08/31/2017 02:05	WG1014887
Isopropylbenzene	U		0.000279	0.00115	1	08/31/2017 02:05	WG1014887
p-Isopropyltoluene	U		0.000234	0.00115	1	08/31/2017 02:05	WG1014887
2-Butanone (MEK)	U	J3	0.00538	0.0115	1	08/31/2017 02:05	WG1014887
Methylene Chloride	U		0.00115	0.00575	1	08/31/2017 02:05	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	08/31/2017 02:05	WG1014887

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

Analyte	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	08/31/2017 02:05	WG1014887
Naphthalene	U	J3	0.00115	0.00575	1	08/31/2017 02:05	WG1014887
n-Propylbenzene	U		0.000237	0.00115	1	08/31/2017 02:05	WG1014887
Styrene	U		0.000269	0.00115	1	08/31/2017 02:05	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	08/31/2017 02:05	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	08/31/2017 02:05	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	08/31/2017 02:05	WG1014887
Tetrachloroethene	U		0.000317	0.00115	1	08/31/2017 02:05	WG1014887
Toluene	U		0.000499	0.00575	1	08/31/2017 02:05	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000352	0.00115	1	08/31/2017 02:05	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000446	0.00115	1	08/31/2017 02:05	WG1014887
1,1,1-Trichloroethane	U		0.000329	0.00115	1	08/31/2017 02:05	WG1014887
1,1,2-Trichloroethane	U		0.000318	0.00115	1	08/31/2017 02:05	WG1014887
Trichloroethene	U		0.000321	0.00115	1	08/31/2017 02:05	WG1014887
Trichlorofluoromethane	U		0.000439	0.00575	1	08/31/2017 02:05	WG1014887
1,2,3-Trichloropropane	U		0.000852	0.00287	1	08/31/2017 02:05	WG1014887
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	08/31/2017 02:05	WG1014887
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	08/31/2017 02:05	WG1014887
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	08/31/2017 02:05	WG1014887
Vinyl acetate	U		0.00275	0.0115	1	08/31/2017 02:05	WG1014887
Vinyl chloride	U		0.000334	0.00115	1	08/31/2017 02:05	WG1014887
Xylenes, Total	U		0.000802	0.00345	1	08/31/2017 02:05	WG1014887
(S) Toluene-d8	*98.8*			*80.0-120*		*08/31/2017 02:05*	WG1014887
(S) Toluene-d8	*104*			*80.0-120*		*09/04/2017 15:58*	WG1014887
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*09/04/2017 15:58*	WG1014887
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*08/31/2017 02:05*	WG1014887
(S) 4-Bromofluorobenzene	*91.0*			*64.0-132*		*08/31/2017 02:05*	WG1014887
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/04/2017 15:58*	WG1014887

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	08/31/2017 15:04	WG1015695

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.49		0.0396	0.117	1	08/29/2017 22:24	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*08/29/2017 22:24*	WG1014832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.765	3.82	65.5	09/04/2017 16:18	WG1014887
Acrylonitrile	U		0.00209	0.0117	1	08/31/2017 02:25	WG1014887
Benzene	U		0.000315	0.00117	1	08/31/2017 02:25	WG1014887
Bromobenzene	U		0.000332	0.00117	1	08/31/2017 02:25	WG1014887
Bromodichloromethane	U		0.000297	0.00117	1	08/31/2017 02:25	WG1014887
Bromochloromethane	U		0.000455	0.00584	1	08/31/2017 02:25	WG1014887
Bromoform	U		0.000495	0.00117	1	08/31/2017 02:25	WG1014887
Bromomethane	U		0.00156	0.00584	1	08/31/2017 02:25	WG1014887
n-Butylbenzene	U		0.000301	0.00117	1	08/31/2017 02:25	WG1014887
sec-Butylbenzene	U		0.000235	0.00117	1	08/31/2017 02:25	WG1014887
tert-Butylbenzene	U		0.000241	0.00117	1	08/31/2017 02:25	WG1014887
Carbon disulfide	0.000689	J	0.000258	0.00117	1	08/31/2017 02:25	WG1014887
Carbon tetrachloride	U		0.000383	0.00117	1	08/31/2017 02:25	WG1014887
Chlorobenzene	U		0.000248	0.00117	1	08/31/2017 02:25	WG1014887
Chlorodibromomethane	U		0.000436	0.00117	1	08/31/2017 02:25	WG1014887
Chloroethane	U		0.00110	0.00584	1	08/31/2017 02:25	WG1014887
Chloroform	U		0.000267	0.00584	1	08/31/2017 02:25	WG1014887
Chloromethane	U		0.000438	0.00292	1	08/31/2017 02:25	WG1014887
2-Chlorotoluene	U		0.000351	0.00117	1	08/31/2017 02:25	WG1014887
4-Chlorotoluene	U		0.000280	0.00117	1	08/31/2017 02:25	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00123	0.00584	1	08/31/2017 02:25	WG1014887
1,2-Dibromoethane	U		0.000400	0.00117	1	08/31/2017 02:25	WG1014887
Dibromomethane	U		0.000446	0.00117	1	08/31/2017 02:25	WG1014887
1,2-Dichlorobenzene	U		0.000356	0.00117	1	08/31/2017 02:25	WG1014887
1,3-Dichlorobenzene	U		0.000279	0.00117	1	08/31/2017 02:25	WG1014887
1,4-Dichlorobenzene	U		0.000264	0.00117	1	08/31/2017 02:25	WG1014887
Dichlorodifluoromethane	U		0.000832	0.00584	1	08/31/2017 02:25	WG1014887
1,1-Dichloroethane	U		0.000232	0.00117	1	08/31/2017 02:25	WG1014887
1,2-Dichloroethane	U		0.000309	0.00117	1	08/31/2017 02:25	WG1014887
1,1-Dichloroethene	0.0148		0.000354	0.00117	1	08/31/2017 02:25	WG1014887
cis-1,2-Dichloroethene	0.581		0.0180	0.0765	65.5	09/04/2017 16:18	WG1014887
trans-1,2-Dichloroethene	0.0212		0.000308	0.00117	1	08/31/2017 02:25	WG1014887
1,2-Dichloropropane	U		0.000418	0.00117	1	08/31/2017 02:25	WG1014887
1,1-Dichloropropene	U		0.000370	0.00117	1	08/31/2017 02:25	WG1014887
1,3-Dichloropropane	U		0.000242	0.00117	1	08/31/2017 02:25	WG1014887
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	08/31/2017 02:25	WG1014887
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	08/31/2017 02:25	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000908	0.00292	1	08/31/2017 02:25	WG1014887
2,2-Dichloropropane	U		0.000326	0.00117	1	08/31/2017 02:25	WG1014887
Di-isopropyl ether	U		0.000290	0.00117	1	08/31/2017 02:25	WG1014887
Ethylbenzene	U		0.000347	0.00117	1	08/31/2017 02:25	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000399	0.00117	1	08/31/2017 02:25	WG1014887
2-Hexanone	U		0.00160	0.0117	1	08/31/2017 02:25	WG1014887
n-Hexane	0.000445	J	0.000339	0.0117	1	08/31/2017 02:25	WG1014887

Volatile Organic Compounds (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	0.0117	1	08/31/2017 02:25	WG1014887
Isopropylbenzene	U		0.000284	0.00117	1	08/31/2017 02:25	WG1014887
p-Isopropyltoluene	U		0.000238	0.00117	1	08/31/2017 02:25	WG1014887
2-Butanone (MEK)	U	J3	0.00546	0.0117	1	08/31/2017 02:25	WG1014887
Methylene Chloride	U		0.00117	0.00584	1	08/31/2017 02:25	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	08/31/2017 02:25	WG1014887
Methyl tert-butyl ether	U		0.000248	0.00117	1	08/31/2017 02:25	WG1014887
Naphthalene	U	J3	0.00117	0.00584	1	08/31/2017 02:25	WG1014887
n-Propylbenzene	U		0.000241	0.00117	1	08/31/2017 02:25	WG1014887
Styrene	U		0.000273	0.00117	1	08/31/2017 02:25	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	08/31/2017 02:25	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	08/31/2017 02:25	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	08/31/2017 02:25	WG1014887
Tetrachloroethene	0.0859		0.000322	0.00117	1	08/31/2017 02:25	WG1014887
Toluene	U		0.000507	0.00584	1	08/31/2017 02:25	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000357	0.00117	1	08/31/2017 02:25	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000453	0.00117	1	08/31/2017 02:25	WG1014887
1,1,1-Trichloroethane	U		0.000334	0.00117	1	08/31/2017 02:25	WG1014887
1,1,2-Trichloroethane	U		0.000323	0.00117	1	08/31/2017 02:25	WG1014887
Trichloroethene	0.871		0.0214	0.0765	65.5	09/04/2017 16:18	WG1014887
Trichlorofluoromethane	U		0.000446	0.00584	1	08/31/2017 02:25	WG1014887
1,2,3-Trichloropropane	U		0.000865	0.00292	1	08/31/2017 02:25	WG1014887
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	08/31/2017 02:25	WG1014887
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	08/31/2017 02:25	WG1014887
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	08/31/2017 02:25	WG1014887
Vinyl acetate	U		0.00279	0.0117	1	08/31/2017 02:25	WG1014887
Vinyl chloride	0.00887		0.000340	0.00117	1	08/31/2017 02:25	WG1014887
Xylenes, Total	U		0.000815	0.00350	1	08/31/2017 02:25	WG1014887
(S) Toluene-d8	*99.6*			*80.0-120*		*08/31/2017 02:25*	WG1014887
(S) Toluene-d8	*110*			*80.0-120*		*09/04/2017 16:18*	WG1014887
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*09/04/2017 16:18*	WG1014887
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*08/31/2017 02:25*	WG1014887
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*09/04/2017 16:18*	WG1014887
(S) 4-Bromofluorobenzene	*95.7*			*64.0-132*		*08/31/2017 02:25*	WG1014887

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	08/31/2017 15:04	WG1015695

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		0.0361	0.106	1	08/29/2017 22:46	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*08/29/2017 22:46*	WG1014832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.266	1.33	25	09/04/2017 16:37	WG1014887
Acrylonitrile	U		0.00191	0.0106	1	08/31/2017 02:46	WG1014887
Benzene	U		0.000287	0.00106	1	08/31/2017 02:46	WG1014887
Bromobenzene	U		0.000302	0.00106	1	08/31/2017 02:46	WG1014887
Bromodichloromethane	U		0.000270	0.00106	1	08/31/2017 02:46	WG1014887
Bromochloromethane	U		0.000415	0.00532	1	08/31/2017 02:46	WG1014887
Bromoform	U		0.000451	0.00106	1	08/31/2017 02:46	WG1014887
Bromomethane	U		0.00143	0.00532	1	08/31/2017 02:46	WG1014887
n-Butylbenzene	U		0.000275	0.00106	1	08/31/2017 02:46	WG1014887
sec-Butylbenzene	U		0.000214	0.00106	1	08/31/2017 02:46	WG1014887
tert-Butylbenzene	U		0.000219	0.00106	1	08/31/2017 02:46	WG1014887
Carbon disulfide	0.00159		0.000235	0.00106	1	08/31/2017 02:46	WG1014887
Carbon tetrachloride	U		0.000349	0.00106	1	08/31/2017 02:46	WG1014887
Chlorobenzene	U		0.000226	0.00106	1	08/31/2017 02:46	WG1014887
Chlorodibromomethane	U		0.000397	0.00106	1	08/31/2017 02:46	WG1014887
Chloroethane	U		0.00101	0.00532	1	08/31/2017 02:46	WG1014887
Chloroform	U		0.000244	0.00532	1	08/31/2017 02:46	WG1014887
Chloromethane	U		0.000399	0.00266	1	08/31/2017 02:46	WG1014887
2-Chlorotoluene	U		0.000320	0.00106	1	08/31/2017 02:46	WG1014887
4-Chlorotoluene	U		0.000255	0.00106	1	08/31/2017 02:46	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00112	0.00532	1	08/31/2017 02:46	WG1014887
1,2-Dibromoethane	U		0.000365	0.00106	1	08/31/2017 02:46	WG1014887
Dibromomethane	U		0.000407	0.00106	1	08/31/2017 02:46	WG1014887
1,2-Dichlorobenzene	U		0.000325	0.00106	1	08/31/2017 02:46	WG1014887
1,3-Dichlorobenzene	U		0.000254	0.00106	1	08/31/2017 02:46	WG1014887
1,4-Dichlorobenzene	U		0.000241	0.00106	1	08/31/2017 02:46	WG1014887
Dichlorodifluoromethane	U		0.000759	0.00532	1	08/31/2017 02:46	WG1014887
1,1-Dichloroethane	U		0.000212	0.00106	1	08/31/2017 02:46	WG1014887
1,2-Dichloroethane	U		0.000282	0.00106	1	08/31/2017 02:46	WG1014887
1,1-Dichloroethene	U		0.000323	0.00106	1	08/31/2017 02:46	WG1014887
cis-1,2-Dichloroethene	U		0.00626	0.0266	25	09/04/2017 16:37	WG1014887
trans-1,2-Dichloroethene	U		0.000281	0.00106	1	08/31/2017 02:46	WG1014887
1,2-Dichloropropane	U		0.000381	0.00106	1	08/31/2017 02:46	WG1014887
1,1-Dichloropropene	U		0.000337	0.00106	1	08/31/2017 02:46	WG1014887
1,3-Dichloropropane	U		0.000220	0.00106	1	08/31/2017 02:46	WG1014887
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	08/31/2017 02:46	WG1014887
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	08/31/2017 02:46	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000828	0.00266	1	08/31/2017 02:46	WG1014887
2,2-Dichloropropane	U		0.000297	0.00106	1	08/31/2017 02:46	WG1014887
Di-isopropyl ether	U		0.000264	0.00106	1	08/31/2017 02:46	WG1014887
Ethylbenzene	U		0.000316	0.00106	1	08/31/2017 02:46	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000364	0.00106	1	08/31/2017 02:46	WG1014887
2-Hexanone	U		0.00146	0.0106	1	08/31/2017 02:46	WG1014887
n-Hexane	U		0.000309	0.0106	1	08/31/2017 02:46	WG1014887

Volatile Organic Compounds (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		0.00269	0.0106	1	08/31/2017 02:46	WG1014887
Isopropylbenzene	U		0.000259	0.00106	1	08/31/2017 02:46	WG1014887
p-Isopropyltoluene	U		0.000217	0.00106	1	08/31/2017 02:46	WG1014887
2-Butanone (MEK)	U	J3	0.00498	0.0106	1	08/31/2017 02:46	WG1014887
Methylene Chloride	U		0.00106	0.00532	1	08/31/2017 02:46	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	08/31/2017 02:46	WG1014887
Methyl tert-butyl ether	U		0.000226	0.00106	1	08/31/2017 02:46	WG1014887
Naphthalene	U	J3	0.00106	0.00532	1	08/31/2017 02:46	WG1014887
n-Propylbenzene	U		0.000219	0.00106	1	08/31/2017 02:46	WG1014887
Styrene	U		0.000249	0.00106	1	08/31/2017 02:46	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	08/31/2017 02:46	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	08/31/2017 02:46	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	08/31/2017 02:46	WG1014887
Tetrachloroethene	U		0.000294	0.00106	1	08/31/2017 02:46	WG1014887
Toluene	U		0.000462	0.00532	1	08/31/2017 02:46	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000326	0.00106	1	08/31/2017 02:46	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000413	0.00106	1	08/31/2017 02:46	WG1014887
1,1,1-Trichloroethane	U		0.000304	0.00106	1	08/31/2017 02:46	WG1014887
1,1,2-Trichloroethane	U		0.000295	0.00106	1	08/31/2017 02:46	WG1014887
Trichloroethene	U		0.00743	0.0266	25	09/04/2017 16:37	WG1014887
Trichlorofluoromethane	U		0.000407	0.00532	1	08/31/2017 02:46	WG1014887
1,2,3-Trichloropropane	U		0.000789	0.00266	1	08/31/2017 02:46	WG1014887
1,2,4-Trimethylbenzene	U		0.000225	0.00106	1	08/31/2017 02:46	WG1014887
1,2,3-Trimethylbenzene	U		0.000305	0.00106	1	08/31/2017 02:46	WG1014887
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	08/31/2017 02:46	WG1014887
Vinyl acetate	U		0.00254	0.0106	1	08/31/2017 02:46	WG1014887
Vinyl chloride	U		0.000310	0.00106	1	08/31/2017 02:46	WG1014887
Xylenes, Total	U		0.000743	0.00319	1	08/31/2017 02:46	WG1014887
(S) Toluene-d8	*98.8*			*80.0-120*		*09/04/2017 16:37*	WG1014887
(S) Toluene-d8	*97.5*			*80.0-120*		*08/31/2017 02:46*	WG1014887
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*08/31/2017 02:46*	WG1014887
(S) Dibromofluoromethane	*90.7*			*74.0-131*		*09/04/2017 16:37*	WG1014887
(S) 4-Bromofluorobenzene	*93.0*			*64.0-132*		*08/31/2017 02:46*	WG1014887
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*09/04/2017 16:37*	WG1014887

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	08/31/2017 15:04	WG1015695

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		0.968	2.85	25	09/02/2017 02:06	WG1014942
(S) a,a,a-Trifluorotoluene(FID)	*97.0*			*77.0-120*		*09/02/2017 02:06*	WG1014942

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.285	1.43	25	09/04/2017 16:57	WG1014887
Acrylonitrile	U		0.00204	0.0114	1	08/31/2017 03:07	WG1014887
Benzene	U		0.000308	0.00114	1	08/31/2017 03:07	WG1014887
Bromobenzene	U		0.000324	0.00114	1	08/31/2017 03:07	WG1014887
Bromodichloromethane	U		0.000290	0.00114	1	08/31/2017 03:07	WG1014887
Bromochloromethane	U		0.000445	0.00571	1	08/31/2017 03:07	WG1014887
Bromoform	U		0.000484	0.00114	1	08/31/2017 03:07	WG1014887
Bromomethane	U		0.00153	0.00571	1	08/31/2017 03:07	WG1014887
n-Butylbenzene	U		0.000295	0.00114	1	08/31/2017 03:07	WG1014887
sec-Butylbenzene	U		0.000230	0.00114	1	08/31/2017 03:07	WG1014887
tert-Butylbenzene	U		0.000235	0.00114	1	08/31/2017 03:07	WG1014887
Carbon disulfide	0.000471	J	0.000252	0.00114	1	08/31/2017 03:07	WG1014887
Carbon tetrachloride	U		0.000375	0.00114	1	08/31/2017 03:07	WG1014887
Chlorobenzene	U		0.000242	0.00114	1	08/31/2017 03:07	WG1014887
Chlorodibromomethane	U		0.000426	0.00114	1	08/31/2017 03:07	WG1014887
Chloroethane	U		0.00108	0.00571	1	08/31/2017 03:07	WG1014887
Chloroform	U		0.000262	0.00571	1	08/31/2017 03:07	WG1014887
Chloromethane	U		0.000428	0.00285	1	08/31/2017 03:07	WG1014887
2-Chlorotoluene	U		0.000344	0.00114	1	08/31/2017 03:07	WG1014887
4-Chlorotoluene	U		0.000274	0.00114	1	08/31/2017 03:07	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00120	0.00571	1	08/31/2017 03:07	WG1014887
1,2-Dibromoethane	U		0.000392	0.00114	1	08/31/2017 03:07	WG1014887
Dibromomethane	U		0.000436	0.00114	1	08/31/2017 03:07	WG1014887
1,2-Dichlorobenzene	U		0.000348	0.00114	1	08/31/2017 03:07	WG1014887
1,3-Dichlorobenzene	U		0.000273	0.00114	1	08/31/2017 03:07	WG1014887
1,4-Dichlorobenzene	U		0.000258	0.00114	1	08/31/2017 03:07	WG1014887
Dichlorodifluoromethane	U		0.000814	0.00571	1	08/31/2017 03:07	WG1014887
1,1-Dichloroethane	U		0.000227	0.00114	1	08/31/2017 03:07	WG1014887
1,2-Dichloroethane	U		0.000303	0.00114	1	08/31/2017 03:07	WG1014887
1,1-Dichloroethene	U		0.000346	0.00114	1	08/31/2017 03:07	WG1014887
cis-1,2-Dichloroethene	U		0.00671	0.0285	25	09/04/2017 16:57	WG1014887
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	08/31/2017 03:07	WG1014887
1,2-Dichloropropane	U		0.000409	0.00114	1	08/31/2017 03:07	WG1014887
1,1-Dichloropropene	U		0.000362	0.00114	1	08/31/2017 03:07	WG1014887
1,3-Dichloropropane	U		0.000236	0.00114	1	08/31/2017 03:07	WG1014887
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	08/31/2017 03:07	WG1014887
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	08/31/2017 03:07	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	08/31/2017 03:07	WG1014887
2,2-Dichloropropane	U		0.000319	0.00114	1	08/31/2017 03:07	WG1014887
Di-isopropyl ether	U		0.000283	0.00114	1	08/31/2017 03:07	WG1014887
Ethylbenzene	U		0.000339	0.00114	1	08/31/2017 03:07	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000391	0.00114	1	08/31/2017 03:07	WG1014887
2-Hexanone	U		0.00156	0.0114	1	08/31/2017 03:07	WG1014887
n-Hexane	U		0.000331	0.0114	1	08/31/2017 03:07	WG1014887

Volatile Organic Compounds (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		0.00289	0.0114	1	08/31/2017 03:07	WG1014887
Isopropylbenzene	U		0.000278	0.00114	1	08/31/2017 03:07	WG1014887
p-Isopropyltoluene	U		0.000233	0.00114	1	08/31/2017 03:07	WG1014887
2-Butanone (MEK)	U	J3	0.00534	0.0114	1	08/31/2017 03:07	WG1014887
Methylene Chloride	U		0.00114	0.00571	1	08/31/2017 03:07	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	08/31/2017 03:07	WG1014887
Methyl tert-butyl ether	U		0.000242	0.00114	1	08/31/2017 03:07	WG1014887
Naphthalene	U	J3	0.00114	0.00571	1	08/31/2017 03:07	WG1014887
n-Propylbenzene	U		0.000235	0.00114	1	08/31/2017 03:07	WG1014887
Styrene	U		0.000267	0.00114	1	08/31/2017 03:07	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	08/31/2017 03:07	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	08/31/2017 03:07	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	08/31/2017 03:07	WG1014887
Tetrachloroethene	U		0.000315	0.00114	1	08/31/2017 03:07	WG1014887
Toluene	U		0.000496	0.00571	1	08/31/2017 03:07	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000349	0.00114	1	08/31/2017 03:07	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000443	0.00114	1	08/31/2017 03:07	WG1014887
1,1,1-Trichloroethane	U		0.000327	0.00114	1	08/31/2017 03:07	WG1014887
1,1,2-Trichloroethane	U		0.000316	0.00114	1	08/31/2017 03:07	WG1014887
Trichloroethene	U		0.00797	0.0285	25	09/04/2017 16:57	WG1014887
Trichlorofluoromethane	U		0.000436	0.00571	1	08/31/2017 03:07	WG1014887
1,2,3-Trichloropropane	U		0.000846	0.00285	1	08/31/2017 03:07	WG1014887
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	08/31/2017 03:07	WG1014887
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	08/31/2017 03:07	WG1014887
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	08/31/2017 03:07	WG1014887
Vinyl acetate	U		0.00273	0.0114	1	08/31/2017 03:07	WG1014887
Vinyl chloride	U		0.000332	0.00114	1	08/31/2017 03:07	WG1014887
Xylenes, Total	U		0.000797	0.00343	1	08/31/2017 03:07	WG1014887
(S) Toluene-d8	*99.1*			*80.0-120*		*08/31/2017 03:07*	WG1014887
(S) Toluene-d8	*104*			*80.0-120*		*09/04/2017 16:57*	WG1014887
(S) Dibromofluoromethane	*88.6*			*74.0-131*		*09/04/2017 16:57*	WG1014887
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*08/31/2017 03:07*	WG1014887
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*09/04/2017 16:57*	WG1014887
(S) 4-Bromofluorobenzene	*89.4*			*64.0-132*		*08/31/2017 03:07*	WG1014887

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	08/31/2017 15:04	WG1015695

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	11.7		0.934	2.75	25	09/02/2017 02:28	WG1014942
(S) a,a,a-Trifluorotoluene(FID)	*97.0*			*77.0-120*		*09/02/2017 02:28*	WG1014942

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	1.10	5.51	100	09/04/2017 17:17	WG1014887
Acrylonitrile	U		0.00197	0.0110	1	08/31/2017 03:27	WG1014887
Benzene	U		0.000297	0.00110	1	08/31/2017 03:27	WG1014887
Bromobenzene	U		0.000313	0.00110	1	08/31/2017 03:27	WG1014887
Bromodichloromethane	U		0.000280	0.00110	1	08/31/2017 03:27	WG1014887
Bromochloromethane	U		0.000430	0.00551	1	08/31/2017 03:27	WG1014887
Bromoform	U		0.000467	0.00110	1	08/31/2017 03:27	WG1014887
Bromomethane	U		0.00148	0.00551	1	08/31/2017 03:27	WG1014887
n-Butylbenzene	U		0.000284	0.00110	1	08/31/2017 03:27	WG1014887
sec-Butylbenzene	U		0.000221	0.00110	1	08/31/2017 03:27	WG1014887
tert-Butylbenzene	U		0.000227	0.00110	1	08/31/2017 03:27	WG1014887
Carbon disulfide	0.00102	J	0.000243	0.00110	1	08/31/2017 03:27	WG1014887
Carbon tetrachloride	U		0.000361	0.00110	1	08/31/2017 03:27	WG1014887
Chlorobenzene	U		0.000234	0.00110	1	08/31/2017 03:27	WG1014887
Chlorodibromomethane	U		0.000411	0.00110	1	08/31/2017 03:27	WG1014887
Chloroethane	U		0.00104	0.00551	1	08/31/2017 03:27	WG1014887
Chloroform	U		0.000252	0.00551	1	08/31/2017 03:27	WG1014887
Chloromethane	U		0.000413	0.00275	1	08/31/2017 03:27	WG1014887
2-Chlorotoluene	U		0.000332	0.00110	1	08/31/2017 03:27	WG1014887
4-Chlorotoluene	U		0.000264	0.00110	1	08/31/2017 03:27	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00116	0.00551	1	08/31/2017 03:27	WG1014887
1,2-Dibromoethane	U		0.000378	0.00110	1	08/31/2017 03:27	WG1014887
Dibromomethane	U		0.000421	0.00110	1	08/31/2017 03:27	WG1014887
1,2-Dichlorobenzene	U		0.000336	0.00110	1	08/31/2017 03:27	WG1014887
1,3-Dichlorobenzene	U		0.000263	0.00110	1	08/31/2017 03:27	WG1014887
1,4-Dichlorobenzene	U		0.000249	0.00110	1	08/31/2017 03:27	WG1014887
Dichlorodifluoromethane	U		0.000785	0.00551	1	08/31/2017 03:27	WG1014887
1,1-Dichloroethane	U		0.000219	0.00110	1	08/31/2017 03:27	WG1014887
1,2-Dichloroethane	U		0.000292	0.00110	1	08/31/2017 03:27	WG1014887
1,1-Dichloroethene	0.00773		0.000334	0.00110	1	08/31/2017 03:27	WG1014887
cis-1,2-Dichloroethene	0.990		0.0259	0.110	100	09/04/2017 17:17	WG1014887
trans-1,2-Dichloroethene	0.000601	J	0.000291	0.00110	1	08/31/2017 03:27	WG1014887
1,2-Dichloropropane	U		0.000394	0.00110	1	08/31/2017 03:27	WG1014887
1,1-Dichloropropene	U		0.000349	0.00110	1	08/31/2017 03:27	WG1014887
1,3-Dichloropropane	U		0.000228	0.00110	1	08/31/2017 03:27	WG1014887
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	08/31/2017 03:27	WG1014887
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	08/31/2017 03:27	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000857	0.00275	1	08/31/2017 03:27	WG1014887
2,2-Dichloropropane	U		0.000307	0.00110	1	08/31/2017 03:27	WG1014887
Di-isopropyl ether	U		0.000273	0.00110	1	08/31/2017 03:27	WG1014887
Ethylbenzene	U		0.000327	0.00110	1	08/31/2017 03:27	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000377	0.00110	1	08/31/2017 03:27	WG1014887
2-Hexanone	U		0.00151	0.0110	1	08/31/2017 03:27	WG1014887
n-Hexane	0.000787	J	0.000319	0.0110	1	08/31/2017 03:27	WG1014887

Volatile Organic Compounds (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		0.00279	0.0110	1	08/31/2017 03:27	WG1014887
Isopropylbenzene	U		0.000268	0.00110	1	08/31/2017 03:27	WG1014887
p-Isopropyltoluene	U		0.000225	0.00110	1	08/31/2017 03:27	WG1014887
2-Butanone (MEK)	U	J3	0.00516	0.0110	1	08/31/2017 03:27	WG1014887
Methylene Chloride	U		0.00110	0.00551	1	08/31/2017 03:27	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	08/31/2017 03:27	WG1014887
Methyl tert-butyl ether	U		0.000234	0.00110	1	08/31/2017 03:27	WG1014887
Naphthalene	U	J3	0.00110	0.00551	1	08/31/2017 03:27	WG1014887
n-Propylbenzene	U		0.000227	0.00110	1	08/31/2017 03:27	WG1014887
Styrene	U		0.000258	0.00110	1	08/31/2017 03:27	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	08/31/2017 03:27	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	08/31/2017 03:27	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	08/31/2017 03:27	WG1014887
Tetrachloroethene	173		0.304	1.10	1000	09/05/2017 17:16	WG1014887
Toluene	0.000550	J	0.000478	0.00551	1	08/31/2017 03:27	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000337	0.00110	1	08/31/2017 03:27	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000427	0.00110	1	08/31/2017 03:27	WG1014887
1,1,1-Trichloroethane	U		0.000315	0.00110	1	08/31/2017 03:27	WG1014887
1,1,2-Trichloroethane	U		0.000305	0.00110	1	08/31/2017 03:27	WG1014887
Trichloroethene	1.23		0.0307	0.110	100	09/04/2017 17:17	WG1014887
Trichlorofluoromethane	U		0.000421	0.00551	1	08/31/2017 03:27	WG1014887
1,2,3-Trichloropropane	U		0.000816	0.00275	1	08/31/2017 03:27	WG1014887
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	08/31/2017 03:27	WG1014887
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	08/31/2017 03:27	WG1014887
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	08/31/2017 03:27	WG1014887
Vinyl acetate	U		0.00263	0.0110	1	08/31/2017 03:27	WG1014887
Vinyl chloride	0.00558		0.000321	0.00110	1	08/31/2017 03:27	WG1014887
Xylenes, Total	U		0.000769	0.00330	1	08/31/2017 03:27	WG1014887
(S) Toluene-d8	*113*			*80.0-120*		*09/04/2017 17:17*	WG1014887
(S) Toluene-d8	*94.1*			*80.0-120*		*08/31/2017 03:27*	WG1014887
(S) Toluene-d8	*114*			*80.0-120*		*09/05/2017 17:16*	WG1014887
(S) Dibromofluoromethane	*90.0*			*74.0-131*		*09/05/2017 17:16*	WG1014887
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*09/04/2017 17:17*	WG1014887
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*08/31/2017 03:27*	WG1014887
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*09/04/2017 17:17*	WG1014887
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*09/05/2017 17:16*	WG1014887
(S) 4-Bromofluorobenzene	*91.6*			*64.0-132*		*08/31/2017 03:27*	WG1014887

Method Blank (MB)

(MB) R3246238-1 08/31/17 13:09

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000300			

L932260-02 Original Sample (OS) • Duplicate (DUP)

(OS) L932260-02 08/31/17 13:09 • (DUP) R3246238-3 08/31/17 13:09

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.6	90.4	1	0.136		5

Laboratory Control Sample (LCS)

(LCS) R3246238-2 08/31/17 13:09

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

Method Blank (MB)

(MB) R3246239-1 08/31/17 11:22

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000400			

L932260-16 Original Sample (OS) • Duplicate (DUP)

(OS) L932260-16 08/31/17 11:22 • (DUP) R3246239-3 08/31/17 11:22

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.0	87.0	1	0.0454		5

Laboratory Control Sample (LCS)

(LCS) R3246239-2 08/31/17 11:22

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) R3246242-1 08/31/17 14:27

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

L932250-04 Original Sample (OS) • Duplicate (DUP)

(OS) L932250-04 08/31/17 14:27 • (DUP) R3246242-3 08/31/17 14:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.2	80.6	1	0.777		5

Laboratory Control Sample (LCS)

(LCS) R3246242-2 08/31/17 14:27

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

Method Blank (MB)

(MB) R3246252-1 08/31/17 15:04

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000400			

L932261-01 Original Sample (OS) • Duplicate (DUP)

(OS) L932261-01 08/31/17 15:04 • (DUP) R3246252-3 08/31/17 15:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.4	86.1	1	1.46		5

Laboratory Control Sample (LCS)

(LCS) R3246252-2 08/31/17 15:04

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) R3246134-3 08/29/17 14:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	0.0423	J	0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*

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

(LCS) R3246134-1 08/29/17 13:51 • (LCSD) R3246134-2 08/29/17 14:13

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	5.33	5.40	96.9	98.3	70.0-133			1.38	20
(S) a,a,a-Trifluorotoluene(FID)				*103*	*104*	*77.0-120*				

L932147-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932147-01 08/29/17 16:02 • (MS) R3246134-4 08/29/17 23:30 • (MSD) R3246134-5 08/29/17 23:51

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 %
TPHG C6 - C12	5.50	98.1	219	225	87.9	91.9	25	10.0-146			2.51	30
(S) a,a,a-Trifluorotoluene(FID)					*101*	*103*		*77.0-120*				

Method Blank (MB)

(MB) R3246566-2 09/01/17 22:18

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)	*97.9*			*77.0-120*

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

(LCS) R3246566-3 09/01/17 23:02 • (LCSD) R3246566-1 09/01/17 21:34

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	5.37	5.41	97.6	98.3	70.0-133			0.740	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*104*	*77.0-120*				

L932099-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932099-01 09/02/17 00:59 • (MS) R3246566-4 09/01/17 23:53 • (MSD) R3246566-5 09/02/17 00:15

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 %
TPHG C6 - C12	7.62	3.29	163	154	55.2	52.0	38	10.0-146			5.76	30
(S) a,a,a-Trifluorotoluene(FID)					*102*	*101*		*77.0-120*				

Method Blank (MB)

(MB) R3246631-3 08/31/17 00:42

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) R3246631-3 08/31/17 00:42

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	*91.9*			*74.0-131*
(S) 4-Bromofluorobenzene	*90.6*			*64.0-132*

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

(LCS) R3246631-1 08/30/17 23:40 • (LCSD) R3246631-2 08/31/17 00:01

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	0.0687	0.108	55.0	86.1	11.0-160		J3	44.2	23
Acrylonitrile	0.125	0.0982	0.113	78.6	90.2	61.0-143			13.7	20
Benzene	0.0250	0.0216	0.0241	86.3	96.2	71.0-124			10.9	20
Bromobenzene	0.0250	0.0215	0.0229	86.1	91.5	78.0-120			5.98	20
Bromodichloromethane	0.0250	0.0223	0.0244	89.0	97.5	75.0-120			9.10	20
Bromochloromethane	0.0250	0.0229	0.0257	91.6	103	80.0-121			11.6	20
Bromoform	0.0250	0.0225	0.0245	89.8	98.1	65.0-133			8.84	20
Bromomethane	0.0250	0.0251	0.0290	100	116	26.0-160			14.4	20
n-Butylbenzene	0.0250	0.0210	0.0250	84.1	100	73.0-126			17.3	20
sec-Butylbenzene	0.0250	0.0213	0.0239	85.4	95.6	75.0-121			11.4	20
tert-Butylbenzene	0.0250	0.0217	0.0241	86.8	96.4	74.0-122			10.5	20
Carbon disulfide	0.0250	0.0251	0.0283	100	113	53.0-130			11.8	20
Carbon tetrachloride	0.0250	0.0219	0.0245	87.4	97.8	66.0-123			11.2	20
Chlorobenzene	0.0250	0.0264	0.0278	105	111	79.0-121			5.52	20
Chlorodibromomethane	0.0250	0.0245	0.0262	98.1	105	74.0-128			6.67	20
Chloroethane	0.0250	0.0252	0.0279	101	112	51.0-147			10.2	20
Chloroform	0.0250	0.0214	0.0235	85.8	94.1	73.0-123			9.25	20
Chloromethane	0.0250	0.0217	0.0241	86.8	96.5	51.0-138			10.6	20
2-Chlorotoluene	0.0250	0.0222	0.0239	88.7	95.5	72.0-124			7.40	20
4-Chlorotoluene	0.0250	0.0217	0.0233	86.9	93.0	78.0-120			6.77	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0200	0.0260	79.9	104	65.0-126		J3	26.3	20
1,2-Dibromoethane	0.0250	0.0248	0.0266	99.2	107	78.0-122			7.18	20
Dibromomethane	0.0250	0.0226	0.0251	90.3	100	79.0-120			10.6	20
1,2-Dichlorobenzene	0.0250	0.0235	0.0272	94.1	109	80.0-120			14.4	20
1,3-Dichlorobenzene	0.0250	0.0243	0.0268	97.4	107	72.0-123			9.49	20
1,4-Dichlorobenzene	0.0250	0.0229	0.0252	91.7	101	77.0-120			9.50	20
trans-1,4-Dichloro-2-butene	0.0250	0.0217	0.0216	87.0	86.4	68.0-126			0.670	20
Dichlorodifluoromethane	0.0250	0.0259	0.0287	103	115	49.0-155			10.5	20
1,1-Dichloroethane	0.0250	0.0217	0.0241	86.8	96.2	70.0-128			10.3	20
1,2-Dichloroethane	0.0250	0.0220	0.0244	87.8	97.6	69.0-128			10.5	20
1,1-Dichloroethene	0.0250	0.0240	0.0269	95.9	108	63.0-131			11.4	20
cis-1,2-Dichloroethene	0.0250	0.0211	0.0229	84.2	91.4	74.0-123			8.18	20
trans-1,2-Dichloroethene	0.0250	0.0213	0.0236	85.2	94.2	72.0-122			10.1	20
1,2-Dichloropropane	0.0250	0.0232	0.0249	93.0	99.8	75.0-126			7.06	20
1,1-Dichloropropene	0.0250	0.0212	0.0236	84.8	94.4	72.0-130			10.7	20
1,3-Dichloropropane	0.0250	0.0252	0.0272	101	109	80.0-121			7.40	20
cis-1,3-Dichloropropene	0.0250	0.0266	0.0285	107	114	80.0-125			6.73	20
trans-1,3-Dichloropropene	0.0250	0.0269	0.0285	108	114	75.0-129			5.58	20
2,2-Dichloropropane	0.0250	0.0207	0.0228	82.8	91.2	60.0-129			9.74	20
Di-isopropyl ether	0.0250	0.0192	0.0214	76.8	85.8	62.0-133			11.1	20

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

(LCS) R3246631-1 08/30/17 23:40 • (LCSD) R3246631-2 08/31/17 00:01

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	0.0240	0.0258	95.9	103	77.0-120			7.46	20
Hexachloro-1,3-butadiene	0.0250	0.0186	0.0280	74.6	112	68.0-128		J3	40.1	20
2-Hexanone	0.125	0.113	0.134	90.6	107	61.0-143			16.6	20
n-Hexane	0.0250	0.0195	0.0212	77.9	84.7	57.0-125			8.42	20
Iodomethane	0.125	0.139	0.152	112	122	67.0-132			8.94	20
Isopropylbenzene	0.0250	0.0216	0.0231	86.2	92.2	75.0-120			6.75	20
p-Isopropyltoluene	0.0250	0.0223	0.0255	89.3	102	74.0-125			13.2	20
2-Butanone (MEK)	0.125	0.0921	0.121	73.6	97.1	37.0-159		J3	27.5	20
Methylene Chloride	0.0250	0.0210	0.0232	84.0	92.6	67.0-123			9.81	20
4-Methyl-2-pentanone (MIBK)	0.125	0.107	0.128	85.8	102	60.0-144			17.3	20
Methyl tert-butyl ether	0.0250	0.0206	0.0233	82.4	93.3	66.0-125			12.4	20
Naphthalene	0.0250	0.0191	0.0259	76.4	104	64.0-125		J3	30.2	20
n-Propylbenzene	0.0250	0.0223	0.0241	89.0	96.2	78.0-120			7.78	20
Styrene	0.0250	0.0234	0.0247	93.6	98.8	78.0-124			5.45	20
1,1,1,2-Tetrachloroethane	0.0250	0.0241	0.0260	96.6	104	74.0-124			7.52	20
1,1,2,2-Tetrachloroethane	0.0250	0.0208	0.0232	83.1	92.7	73.0-120			10.9	20
Tetrachloroethene	0.0250	0.0280	0.0300	112	120	70.0-127			7.06	20
Toluene	0.0250	0.0235	0.0249	94.2	99.8	77.0-120			5.80	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0249	0.0271	99.7	108	64.0-135			8.45	20
1,2,3-Trichlorobenzene	0.0250	0.0206	0.0294	82.4	118	68.0-126		J3	35.3	20
1,2,4-Trichlorobenzene	0.0250	0.0212	0.0298	84.8	119	70.0-127		J3	33.6	20
1,1,1-Trichloroethane	0.0250	0.0207	0.0229	83.0	91.4	69.0-125			9.67	20
1,1,2-Trichloroethane	0.0250	0.0244	0.0256	97.5	102	78.0-120			4.92	20
Trichloroethene	0.0250	0.0245	0.0264	98.0	106	79.0-120			7.67	20
Trichlorofluoromethane	0.0250	0.0296	0.0326	118	131	59.0-136			9.83	20
1,2,3-Trichloropropane	0.0250	0.0206	0.0242	82.6	96.6	73.0-124			15.7	20
1,2,3-Trimethylbenzene	0.0250	0.0197	0.0221	78.7	88.5	76.0-120			11.7	20
1,2,4-Trimethylbenzene	0.0250	0.0204	0.0222	81.7	88.9	75.0-120			8.35	20
1,3,5-Trimethylbenzene	0.0250	0.0212	0.0239	84.8	95.4	75.0-120			11.7	20
Vinyl acetate	0.125	0.111	0.124	88.7	99.3	58.0-156			11.3	20
Vinyl chloride	0.0250	0.0291	0.0318	117	127	63.0-134			8.56	20
Xylenes, Total	0.0750	0.0705	0.0756	94.0	101	77.0-120			6.98	20
(S) Toluene-d8				*107*	*104*	*80.0-120*				
(S) Dibromofluoromethane				*91.1*	*94.8*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.2*	*89.4*	*64.0-132*				

L932286-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932286-05 09/04/17 20:33 • (MS) R3246743-1 09/04/17 14:59 • (MSD) R3246743-2 09/04/17 15:19

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	0.156	ND	0.154	0.139	74.4	64.8	1	10.0-160			10.2	36
Acrylonitrile	0.156	ND	0.199	0.177	128	114	1	14.0-160			11.6	33
Benzene	0.0312	0.00822	0.0236	0.0188	49.4	33.9	1	13.0-146			22.9	27
Bromobenzene	0.0312	ND	0.0217	0.00970	69.5	31.1	1	10.0-149	V3	J3	76.4	33
Bromodichloromethane	0.0312	ND	0.0216	0.0144	69.3	46.1	1	15.0-142		J3	40.3	28
Bromochloromethane	0.0312	ND	0.0218	0.0172	69.9	55.1	1	24.0-146			23.6	27
Bromoform	0.0312	ND	0.0201	0.0124	64.3	39.8	1	10.0-147	V3	J3	47.2	31
Bromomethane	0.0312	ND	0.0126	0.00879	40.4	28.2	1	10.0-160		J3	35.5	32
n-Butylbenzene	0.0312	ND	0.0735	0.0302	236	96.8	1	10.0-154	J5 V3	J3	83.6	37
sec-Butylbenzene	0.0312	ND	0.0711	0.0269	228	86.3	1	10.0-151	J5 V3	J3	90.1	36
tert-Butylbenzene	0.0312	ND	0.0362	0.0135	116	43.4	1	10.0-152	V3	J3	91.2	35
Carbon disulfide	0.0312	ND	0.00384	0.00258	12.3	8.27	1	10.0-141		J3 J6	39.2	30
Carbon tetrachloride	0.0312	ND	0.0205	0.0142	65.8	45.4	1	13.0-140		J3	36.7	30
Chlorobenzene	0.0312	ND	0.0187	0.0111	60.1	35.5	1	10.0-149		J3	51.6	31
Chlorodibromomethane	0.0312	ND	0.0184	0.0135	59.1	43.2	1	12.0-147		J3	31.1	29
Chloroethane	0.0312	ND	0.0131	0.00937	42.0	30.1	1	10.0-159		J3	33.1	33
Chloroform	0.0312	ND	0.0249	0.0188	80.0	60.3	1	18.0-148			28.0	28
Chloromethane	0.0312	ND	0.00807	0.00642	25.9	20.6	1	10.0-146			22.8	29
2-Chlorotoluene	0.0312	ND	0.0235	0.0107	75.5	34.5	1	10.0-151	V3	J3	74.7	35
4-Chlorotoluene	0.0312	ND	0.0203	0.00865	65.0	27.7	1	10.0-150	V3	J3	80.4	35
1,2-Dibromo-3-Chloropropane	0.0312	ND	0.0167	0.00894	53.6	28.7	1	10.0-149	V3	J3	60.7	34
1,2-Dibromoethane	0.0312	ND	0.0188	0.0136	60.4	43.7	1	14.0-145		J3	32.1	28
Dibromomethane	0.0312	ND	0.0203	0.0171	65.2	54.9	1	18.0-144			17.1	27
1,2-Dichlorobenzene	0.0312	ND	0.0159	0.00654	51.0	21.0	1	10.0-153	V3	J3	83.3	34
1,3-Dichlorobenzene	0.0312	ND	0.0172	0.00750	55.3	24.1	1	10.0-150	V3	J3	78.7	35
1,4-Dichlorobenzene	0.0312	ND	0.0166	0.00703	53.4	22.5	1	10.0-148	V3	J3	81.2	34
trans-1,4-Dichloro-2-butene	0.0312	ND	0.0161	0.0103	51.5	33.2	1	10.0-160	V3	J3	43.3	40
Dichlorodifluoromethane	0.0312	ND	0.0164	0.0114	52.5	36.4	1	10.0-160		J3	36.2	30
1,1-Dichloroethane	0.0312	ND	0.0221	0.0160	70.8	51.4	1	19.0-148		J3	31.7	28
1,2-Dichloroethane	0.0312	0.0124	0.0211	0.0153	27.7	9.27	1	17.0-147		J3 J6	31.6	27
1,1-Dichloroethene	0.0312	ND	0.0208	0.0146	66.7	46.7	1	10.0-150		J3	35.3	31
cis-1,2-Dichloroethene	0.0312	ND	0.0218	0.0159	69.9	51.0	1	16.0-145		J3	31.3	28
trans-1,2-Dichloroethene	0.0312	ND	0.0145	0.0113	46.4	36.1	1	11.0-142			24.8	29
1,2-Dichloropropane	0.0312	ND	0.0213	0.0171	68.3	54.7	1	17.0-148			22.1	28
1,1-Dichloropropene	0.0312	ND	0.0178	0.0123	57.1	39.6	1	10.0-150		J3	36.3	30
1,3-Dichloropropane	0.0312	ND	0.0190	0.0140	60.9	44.9	1	16.0-148		J3	30.3	27
cis-1,3-Dichloropropene	0.0312	ND	0.0188	0.0134	60.2	43.0	1	13.0-150		J3	33.3	28
trans-1,3-Dichloropropene	0.0312	ND	0.0163	0.0118	52.4	38.0	1	10.0-152		J3	31.8	29
2,2-Dichloropropane	0.0312	ND	0.0184	0.0142	59.0	45.5	1	16.0-143			25.8	30

L932286-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932286-05 09/04/17 20:33 • (MS) R3246743-1 09/04/17 14:59 • (MSD) R3246743-2 09/04/17 15:19

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	0.0312	ND	0.0204	0.0154	65.4	49.4	1	16.0-149			27.9	28
Ethylbenzene	0.0312	0.00169	0.120	0.103	379	326	1	10.0-147	J5	J5	14.6	31
Hexachloro-1,3-butadiene	0.0312	ND	0.0149	0.00660	47.9	21.2	1	10.0-154	V3	J3	77.4	40
2-Hexanone	0.156	ND	0.153	0.122	97.8	78.6	1	12.0-158			21.8	30
n-Hexane	0.0312	ND	0.0349	0.0462	105	141	1	10.0-140		J5	27.8	34
Iodomethane	0.156	ND	0.0725	0.0568	46.5	36.4	1	10.0-157			24.3	34
Isopropylbenzene	0.0312	ND	0.0877	0.0464	281	149	1	10.0-147	J5 V3	J3 J5	61.6	33
p-Isopropyltoluene	0.0312	ND	0.0323	0.0121	103	38.8	1	10.0-156	V3	J3	91.0	37
2-Butanone (MEK)	0.156	ND	0.192	0.158	123	101	1	10.0-160			19.2	33
Methylene Chloride	0.0312	ND	0.0185	0.0140	59.2	45.0	1	16.0-139			27.2	29
4-Methyl-2-pentanone (MIBK)	0.156	ND	0.161	0.125	103	80.2	1	12.0-160			25.1	32
Methyl tert-butyl ether	0.0312	ND	0.0263	0.0205	84.4	65.7	1	21.0-145			24.9	29
Naphthalene	0.0312	ND	0.0570	0.0279	183	89.5	1	10.0-153	J5 V3	J3	68.5	36
n-Propylbenzene	0.0312	ND	0.0571	0.0265	182	83.9	1	10.0-151	J5 V3	J3	73.3	34
Styrene	0.0312	ND	0.0274	0.0123	87.8	39.4	1	10.0-155	V3	J3	76.0	34
1,1,1,2-Tetrachloroethane	0.0312	ND	0.0213	0.0132	68.2	42.4	1	10.0-147		J3	46.6	30
1,1,2,2-Tetrachloroethane	0.0312	ND	0.0234	0.0119	75.0	38.3	1	10.0-155	V3	J3	64.9	31
Tetrachloroethene	0.0312	ND	0.0210	0.0130	67.5	41.7	1	10.0-144		J3	47.3	32
Toluene	0.0312	ND	0.0236	0.0155	72.1	46.1	1	10.0-144		J3	41.5	28
1,1,2-Trichlorotrifluoroethane	0.0312	ND	0.0294	0.0202	94.3	64.9	1	10.0-153		J3	36.9	33
1,2,3-Trichlorobenzene	0.0312	ND	0.00441	0.00248	14.1	7.94	1	10.0-153	V3	J3 J6	56.2	40
1,2,4-Trichlorobenzene	0.0312	ND	0.00690	0.00334	22.1	10.7	1	10.0-156	V3	J3	69.5	40
1,1,1-Trichloroethane	0.0312	ND	0.0218	0.0157	69.8	50.4	1	18.0-145		J3	32.3	29
1,1,2-Trichloroethane	0.0312	ND	0.0255	0.0189	81.7	60.5	1	12.0-151		J3	29.8	28
Trichloroethene	0.0312	ND	0.0180	0.0124	57.7	39.9	1	11.0-148		J3	36.4	29
Trichlorofluoromethane	0.0312	ND	0.0243	0.0174	78.1	55.8	1	10.0-157			33.2	34
1,2,3-Trichloropropane	0.0312	ND	0.0312	0.0167	100	53.4	1	10.0-154	V3	J3	60.7	32
1,2,3-Trimethylbenzene	0.0312	ND	0.0318	0.0128	102	41.0	1	10.0-150	V3	J3	85.3	33
1,2,4-Trimethylbenzene	0.0312	ND	0.0265	0.0115	85.0	37.0	1	10.0-151	V3	J3	78.6	34
1,3,5-Trimethylbenzene	0.0312	ND	0.0363	0.0232	116	74.6	1	10.0-150	V3	J3	43.8	33
Vinyl acetate	0.156	ND	0.111	0.0876	71.3	56.2	1	10.0-160			23.7	40
Vinyl chloride	0.0312	ND	0.0109	0.00833	35.0	26.7	1	10.0-150			26.9	29
Xylenes, Total	0.0935	ND	0.0682	0.0420	71.8	43.8	1	10.0-150		J3	47.5	31
(S) Toluene-d8					*97.1*	*96.4*		*80.0-120*				
(S) Dibromofluoromethane					*97.1*	*95.6*		*74.0-131*				
(S) 4-Bromofluorobenzene					*119*	*105*		*64.0-132*				

Method Blank (MB)

(MB) R3246344-3 08/31/17 22:20

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) R3246344-3 08/31/17 22:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	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	*104*			*80.0-120*
(S) Dibromofluoromethane	*96.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

Method Blank (MB)

(MB) R3246643-2 09/02/17 12:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.000342	0.00100
(S) Toluene-d8	*107*			*80.0-120*
(S) Dibromofluoromethane	*90.3*			*74.0-131*
(S) 4-Bromofluorobenzene	*88.2*			*64.0-132*

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

(LCS) R3246344-1 08/31/17 21:28 • (LCSD) R3246344-2 08/31/17 21:45

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	0.108	0.0961	86.5	76.9	11.0-160			11.8	23
Acrylonitrile	0.125	0.110	0.107	87.7	85.2	61.0-143			2.91	20
Benzene	0.0250	0.0221	0.0231	88.6	92.2	71.0-124			4.00	20
Bromobenzene	0.0250	0.0220	0.0230	88.1	91.9	78.0-120			4.28	20
Bromodichloromethane	0.0250	0.0208	0.0210	83.3	83.9	75.0-120			0.810	20
Bromochloromethane	0.0250	0.0221	0.0225	88.4	89.8	80.0-121			1.63	20
Bromoform	0.0250	0.0202	0.0202	80.7	80.9	65.0-133			0.310	20
Bromomethane	0.0250	0.0218	0.0231	87.1	92.2	26.0-160			5.70	20
n-Butylbenzene	0.0250	0.0213	0.0227	85.0	91.0	73.0-126			6.79	20
sec-Butylbenzene	0.0250	0.0215	0.0231	86.1	92.3	75.0-121			6.90	20
tert-Butylbenzene	0.0250	0.0215	0.0231	86.2	92.5	74.0-122			7.08	20
Carbon disulfide	0.0250	0.0202	0.0202	80.9	80.9	53.0-130			0.0100	20
Carbon tetrachloride	0.0250	0.0213	0.0226	85.3	90.3	66.0-123			5.72	20
Chlorobenzene	0.0250	0.0233	0.0236	93.2	94.3	79.0-121			1.16	20
Chlorodibromomethane	0.0250	0.0215	0.0216	86.2	86.2	74.0-128			0.0400	20
Chloroethane	0.0250	0.0220	0.0221	88.1	88.4	51.0-147			0.290	20
Chloroform	0.0250	0.0220	0.0228	87.9	91.2	73.0-123			3.62	20
Chloromethane	0.0250	0.0222	0.0223	88.9	89.2	51.0-138			0.330	20
2-Chlorotoluene	0.0250	0.0231	0.0245	92.2	97.8	72.0-124			5.91	20
4-Chlorotoluene	0.0250	0.0223	0.0232	89.0	92.8	78.0-120			4.17	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0216	0.0212	86.3	84.7	65.0-126			1.91	20
1,2-Dibromoethane	0.0250	0.0230	0.0226	91.9	90.6	78.0-122			1.52	20
Dibromomethane	0.0250	0.0210	0.0204	83.8	81.6	79.0-120			2.72	20
1,2-Dichlorobenzene	0.0250	0.0225	0.0243	90.2	97.2	80.0-120			7.51	20
1,3-Dichlorobenzene	0.0250	0.0231	0.0249	92.2	99.4	72.0-123			7.49	20
1,4-Dichlorobenzene	0.0250	0.0220	0.0231	88.1	92.4	77.0-120			4.72	20
trans-1,4-Dichloro-2-butene	0.0250	0.0196	0.0188	78.4	75.1	68.0-126			4.32	20
Dichlorodifluoromethane	0.0250	0.0268	0.0292	107	117	49.0-155			8.35	20
1,1-Dichloroethane	0.0250	0.0218	0.0226	87.4	90.5	70.0-128			3.54	20

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

(LCS) R3246344-1 08/31/17 21:28 • (LCSD) R3246344-2 08/31/17 21:45

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 %
1,2-Dichloroethane	0.0250	0.0229	0.0226	91.4	90.4	69.0-128			1.13	20
1,1-Dichloroethene	0.0250	0.0210	0.0222	84.1	88.8	63.0-131			5.53	20
cis-1,2-Dichloroethene	0.0250	0.0208	0.0210	83.2	84.1	74.0-123			1.00	20
trans-1,2-Dichloroethene	0.0250	0.0210	0.0220	83.9	88.1	72.0-122			4.79	20
1,2-Dichloropropane	0.0250	0.0224	0.0231	89.7	92.2	75.0-126			2.76	20
1,1-Dichloropropene	0.0250	0.0219	0.0219	87.5	87.4	72.0-130			0.0800	20
1,3-Dichloropropane	0.0250	0.0234	0.0225	93.7	90.0	80.0-121			4.05	20
cis-1,3-Dichloropropene	0.0250	0.0248	0.0254	99.4	102	80.0-125			2.32	20
trans-1,3-Dichloropropene	0.0250	0.0235	0.0234	94.1	93.8	75.0-129			0.380	20
2,2-Dichloropropane	0.0250	0.0199	0.0208	79.6	83.1	60.0-129			4.27	20
Di-isopropyl ether	0.0250	0.0213	0.0213	85.1	85.3	62.0-133			0.250	20
Ethylbenzene	0.0250	0.0215	0.0224	86.1	89.5	77.0-120			3.89	20
2-Hexanone	0.125	0.112	0.104	89.9	83.0	61.0-143			8.01	20
n-Hexane	0.0250	0.0184	0.0189	73.7	75.6	57.0-125			2.53	20
Iodomethane	0.125	0.115	0.119	91.8	94.9	67.0-132			3.30	20
Isopropylbenzene	0.0250	0.0222	0.0232	88.7	92.7	75.0-120			4.46	20
p-Isopropyltoluene	0.0250	0.0225	0.0239	89.8	95.5	74.0-125			6.14	20
2-Butanone (MEK)	0.125	0.111	0.102	88.4	81.8	37.0-159			7.81	20
Methylene Chloride	0.0250	0.0212	0.0220	84.7	87.9	67.0-123			3.63	20
4-Methyl-2-pentanone (MIBK)	0.125	0.114	0.108	91.4	86.1	60.0-144			6.00	20
Methyl tert-butyl ether	0.0250	0.0224	0.0220	89.5	88.0	66.0-125			1.68	20
Naphthalene	0.0250	0.0219	0.0229	87.7	91.4	64.0-125			4.11	20
n-Propylbenzene	0.0250	0.0223	0.0237	89.4	95.0	78.0-120			6.09	20
Styrene	0.0250	0.0233	0.0247	93.1	98.7	78.0-124			5.92	20
1,1,1,2-Tetrachloroethane	0.0250	0.0224	0.0222	89.8	88.9	74.0-124			1.01	20
1,1,2,2-Tetrachloroethane	0.0250	0.0231	0.0225	92.4	89.9	73.0-120			2.67	20
Tetrachloroethene	0.0250	0.0220	0.0239	88.1	95.8	70.0-127			8.37	20
Toluene	0.0250	0.0220	0.0227	88.1	90.8	77.0-120			3.06	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0206	0.0217	82.5	86.8	64.0-135			5.19	20
1,2,3-Trichlorobenzene	0.0250	0.0221	0.0225	88.3	90.1	68.0-126			1.93	20
1,2,4-Trichlorobenzene	0.0250	0.0206	0.0217	82.2	86.9	70.0-127			5.54	20
1,1,1-Trichloroethane	0.0250	0.0206	0.0216	82.6	86.3	69.0-125			4.34	20
1,1,2-Trichloroethane	0.0250	0.0224	0.0218	89.7	87.3	78.0-120			2.70	20
Trichloroethene	0.0250	0.0220	0.0227	87.9	90.9	79.0-120			3.26	20
Trichlorofluoromethane	0.0250	0.0217	0.0231	87.0	92.3	59.0-136			5.91	20
1,2,3-Trichloropropane	0.0250	0.0244	0.0249	97.5	99.6	73.0-124			2.12	20
1,2,3-Trimethylbenzene	0.0250	0.0208	0.0220	83.3	88.1	76.0-120			5.67	20
1,2,4-Trimethylbenzene	0.0250	0.0224	0.0235	89.4	94.0	75.0-120			4.93	20
1,3,5-Trimethylbenzene	0.0250	0.0222	0.0239	88.8	95.7	75.0-120			7.57	20
Vinyl acetate	0.125	0.101	0.101	81.1	80.5	58.0-156			0.740	20

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

(LCS) R3246344-1 08/31/17 21:28 • (LCSD) R3246344-2 08/31/17 21:45

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	0.0250	0.0224	0.0239	89.5	95.4	63.0-134			6.46	20
Xylenes, Total	0.0750	0.0672	0.0699	89.6	93.2	77.0-120			3.94	20
(S) Toluene-d8				*103*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*96.4*	*98.2*	*74.0-131*				
(S) 4-Bromofluorobenzene				*96.9*	*99.3*	*64.0-132*				

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

(LCS) R3246643-1 09/02/17 11:22 • (LCSD) R3246643-3 09/02/17 20:49

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 %
Hexachloro-1,3-butadiene	0.0250	0.0254	0.0234	102	93.7	68.0-128			8.15	20
(S) Toluene-d8				*106*	*107*	*80.0-120*				
(S) Dibromofluoromethane				*92.6*	*90.5*	*74.0-131*				
(S) 4-Bromofluorobenzene				*88.0*	*84.4*	*64.0-132*				

L932260-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932260-09 09/01/17 01:57 • (MS) R3246344-4 09/01/17 07:27 • (MSD) R3246344-5 09/01/17 08:01

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	0.142	U	0.749	0.781	21.1	22.0	25	10.0-160			4.30	36
Acrylonitrile	0.142	U	1.78	1.93	50.2	54.5	25	14.0-160			8.21	33
Benzene	0.0284	U	0.435	0.483	61.2	68.0	25	13.0-146			10.4	27
Bromobenzene	0.0284	U	0.434	0.512	61.1	72.1	25	10.0-149			16.5	33
Bromodichloromethane	0.0284	U	0.378	0.426	53.2	60.0	25	15.0-142			12.1	28
Bromochloromethane	0.0284	U	0.408	0.451	57.5	63.5	25	24.0-146			9.93	27
Bromoform	0.0284	U	0.330	0.392	46.5	55.2	25	10.0-147			17.1	31
Bromomethane	0.0284	U	0.348	0.415	49.0	58.4	25	10.0-160			17.6	32
n-Butylbenzene	0.0284	U	0.426	0.462	60.0	65.1	25	10.0-154			8.17	37
sec-Butylbenzene	0.0284	U	0.450	0.497	63.3	70.0	25	10.0-151			9.97	36
tert-Butylbenzene	0.0284	U	0.457	0.504	64.3	70.9	25	10.0-152			9.74	35
Carbon disulfide	0.0284	U	0.315	0.346	44.4	48.8	25	10.0-141			9.34	30
Carbon tetrachloride	0.0284	U	0.441	0.464	62.1	65.3	25	13.0-140			5.06	30
Chlorobenzene	0.0284	U	0.424	0.520	59.7	73.2	25	10.0-149			20.4	31
Chlorodibromomethane	0.0284	U	0.362	0.439	51.0	61.8	25	12.0-147			19.2	29
Chloroethane	0.0284	U	0.264	0.290	37.2	40.8	25	10.0-159			9.30	33
Chloroform	0.0284	U	0.422	0.463	59.5	65.2	25	18.0-148			9.11	28

L932260-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932260-09 09/01/17 01:57 • (MS) R3246344-4 09/01/17 07:27 • (MSD) R3246344-5 09/01/17 08:01

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 %
Chloromethane	0.0284	U	0.441	0.492	62.2	69.3	25	10.0-146			10.9	29
2-Chlorotoluene	0.0284	U	0.470	0.518	66.2	73.0	25	10.0-151			9.70	35
4-Chlorotoluene	0.0284	U	0.443	0.502	62.4	70.6	25	10.0-150			12.4	35
1,2-Dibromo-3-Chloropropane	0.0284	U	0.341	0.382	48.1	53.9	25	10.0-149			11.4	34
1,2-Dibromoethane	0.0284	U	0.387	0.476	54.5	67.1	25	14.0-145			20.6	28
Dibromomethane	0.0284	U	0.372	0.416	52.4	58.6	25	18.0-144			11.2	27
1,2-Dichlorobenzene	0.0284	U	0.445	0.481	62.7	67.7	25	10.0-153			7.75	34
1,3-Dichlorobenzene	0.0284	U	0.453	0.513	63.8	72.3	25	10.0-150			12.5	35
1,4-Dichlorobenzene	0.0284	U	0.422	0.482	59.4	67.8	25	10.0-148			13.2	34
trans-1,4-Dichloro-2-butene	0.0284	U	0.320	0.385	45.0	54.2	25	10.0-160			18.4	40
Dichlorodifluoromethane	0.0284	U	0.568	0.622	80.0	87.6	25	10.0-160			9.05	30
1,1-Dichloroethane	0.0284	U	0.430	0.479	60.5	67.4	25	19.0-148			10.7	28
1,2-Dichloroethane	0.0284	U	0.406	0.458	57.2	64.5	25	17.0-147			12.1	27
1,1-Dichloroethene	0.0284	U	0.386	0.405	54.3	57.0	25	10.0-150			4.79	31
cis-1,2-Dichloroethene	0.0284	0.0557	0.454	0.488	56.1	60.9	25	16.0-145			7.27	28
trans-1,2-Dichloroethene	0.0284	U	0.432	0.452	60.8	63.6	25	11.0-142			4.59	29
1,2-Dichloropropane	0.0284	U	0.440	0.480	62.0	67.5	25	17.0-148			8.57	28
1,1-Dichloropropene	0.0284	U	0.433	0.490	60.9	69.0	25	10.0-150			12.4	30
1,3-Dichloropropane	0.0284	U	0.392	0.493	55.2	69.4	25	16.0-148			22.9	27
cis-1,3-Dichloropropene	0.0284	U	0.440	0.530	62.0	74.6	25	13.0-150			18.4	28
trans-1,3-Dichloropropene	0.0284	U	0.390	0.485	55.0	68.3	25	10.0-152			21.5	29
2,2-Dichloropropane	0.0284	U	0.372	0.392	52.3	55.2	25	16.0-143			5.32	30
Di-isopropyl ether	0.0284	U	0.411	0.449	57.8	63.2	25	16.0-149			8.92	28
Ethylbenzene	0.0284	U	0.405	0.480	57.1	67.6	25	10.0-147			16.9	31
Hexachloro-1,3-butadiene	0.0284	U	0.378	0.420	53.2	59.1	25	10.0-154			10.5	40
2-Hexanone	0.142	U	1.43	1.74	40.3	48.9	25	12.0-158			19.3	30
n-Hexane	0.0284	U	0.383	0.414	53.9	58.3	25	10.0-140			7.82	34
Iodomethane	0.142	U	2.33	2.46	65.5	69.2	25	10.0-157			5.48	34
Isopropylbenzene	0.0284	U	0.459	0.506	64.7	71.2	25	10.0-147			9.57	33
p-Isopropyltoluene	0.0284	U	0.457	0.508	64.4	71.5	25	10.0-156			10.5	37
2-Butanone (MEK)	0.142	U	1.22	1.42	34.2	40.0	25	10.0-160			15.4	33
Methylene Chloride	0.0284	U	0.420	0.450	59.1	63.3	25	16.0-139			6.82	29
4-Methyl-2-pentanone (MIBK)	0.142	U	1.74	2.08	49.1	58.6	25	12.0-160			17.6	32
Methyl tert-butyl ether	0.0284	U	0.388	0.405	54.7	57.0	25	21.0-145			4.25	29
Naphthalene	0.0284	U	0.365	0.416	51.4	58.6	25	10.0-153			13.0	36
n-Propylbenzene	0.0284	U	0.460	0.514	64.8	72.3	25	10.0-151			11.1	34
Styrene	0.0284	U	0.472	0.548	66.4	77.2	25	10.0-155			15.0	34
1,1,1,2-Tetrachloroethane	0.0284	U	0.415	0.468	58.4	65.9	25	10.0-147			12.1	30
1,1,2,2-Tetrachloroethane	0.0284	U	0.384	0.439	54.0	61.8	25	10.0-155			13.4	31

L932260-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932260-09 09/01/17 01:57 • (MS) R3246344-4 09/01/17 07:27 • (MSD) R3246344-5 09/01/17 08:01

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 %
Tetrachloroethene	0.0284	0.109	0.507	0.602	56.1	69.4	25	10.0-144			17.0	32
Toluene	0.0284	U	0.415	0.501	58.4	70.5	25	10.0-144			18.8	28
1,1,2-Trichlorotrifluoroethane	0.0284	U	0.384	0.410	54.1	57.8	25	10.0-153			6.56	33
1,2,3-Trichlorobenzene	0.0284	U	0.378	0.445	53.2	62.6	25	10.0-153			16.2	40
1,2,4-Trichlorobenzene	0.0284	U	0.363	0.412	51.2	58.0	25	10.0-156			12.6	40
1,1,1-Trichloroethane	0.0284	U	0.414	0.441	58.3	62.1	25	18.0-145			6.32	29
1,1,2-Trichloroethane	0.0284	U	0.364	0.452	51.3	63.7	25	12.0-151			21.6	28
Trichloroethene	0.0284	0.0373	0.486	0.545	63.3	71.4	25	11.0-148			11.3	29
Trichlorofluoromethane	0.0284	U	0.437	0.444	61.6	62.5	25	10.0-157			1.40	34
1,2,3-Trichloropropane	0.0284	U	0.395	0.490	55.7	69.0	25	10.0-154			21.4	32
1,2,3-Trimethylbenzene	0.0284	U	0.412	0.459	58.1	64.7	25	10.0-150			10.8	33
1,2,4-Trimethylbenzene	0.0284	U	0.444	0.497	62.5	70.0	25	10.0-151			11.3	34
1,3,5-Trimethylbenzene	0.0284	U	0.453	0.509	63.8	71.7	25	10.0-150			11.7	33
Vinyl acetate	0.142	U	0.740	0.908	20.8	25.6	25	10.0-160			20.4	40
Vinyl chloride	0.0284	U	0.464	0.499	65.4	70.3	25	10.0-150			7.21	29
Xylenes, Total	0.0852	U	1.26	1.49	59.0	70.0	25	10.0-150			16.9	31
(S) Toluene-d8					*100*	*105*		*80.0-120*				
(S) Dibromofluoromethane					*96.0*	*89.9*		*74.0-131*				
(S) 4-Bromofluorobenzene					*100*	*102*		*64.0-132*				

Sample Narrative:

OS: Cannot analyze at a lower dilution. No more low level sodium bisulfite vials remaining.

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.
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.
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.

State Accreditations

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

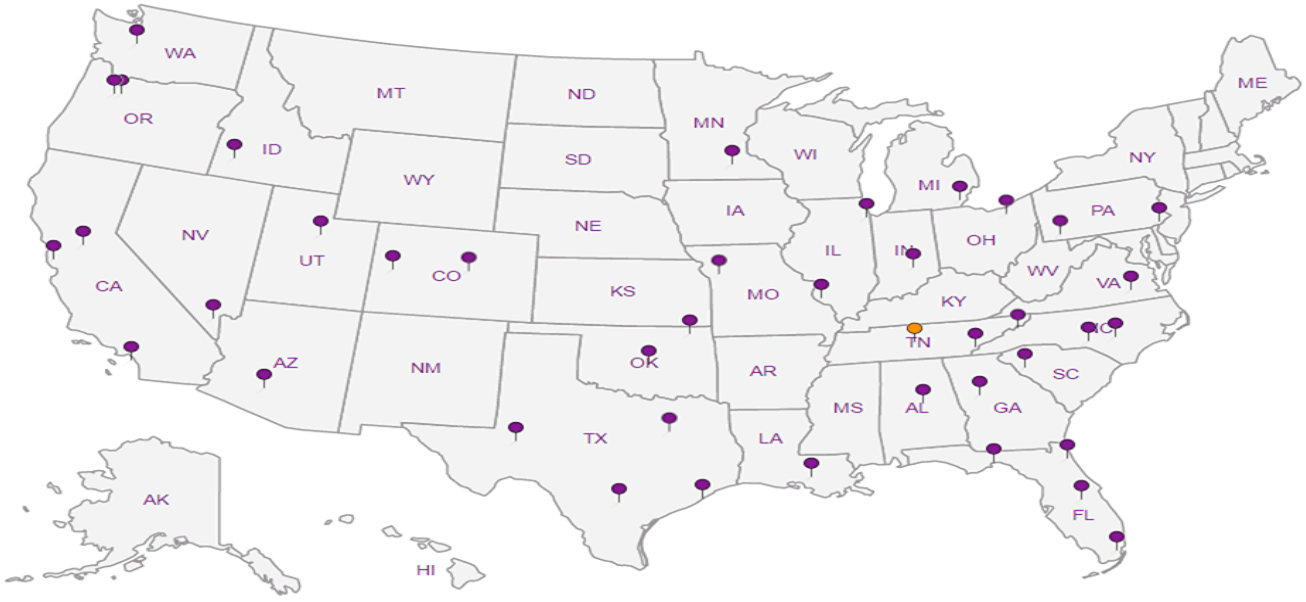
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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.**



COOLER 1

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**

Email To: bhaldeman@pesenv.com

Project Description: **American Linen Project**

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # **PESENVSWA-ALP**

Collected by (print): SHANNON McKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH (3)	V8260C 40mlAmb-HCl (5)	Remarks	Sample # (lab only)
MW-135-65	GRAB	~~SS GW~~	65	8/24/17	1350	~~5~~	X		X	X			-01
~~MW~~ B-208-50		~~SS GW~~	50		1405	~~4~~			X	X			-02
B-208-60		SS	60		1435	4			X	X			-03
MW-135-80			80		1450	5	X		X	X			-04
B-208-70			70		1525	4			X	X			-05
B-208-80			80		1610	4			X	X			-06
B-209-20			20	8/25/17	0900	4			X	X			-07
B-209-35			35		1005	4			X	X			-08
B-207-30			30		1030	5	X		X	X			-09
B-209-50					1050	4			X	X			-10

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

Remarks: 8-176

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 1474 0921 0388

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	8/25/17	1630	
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: 0.3 °C Bottles Received: 50 100

Date: 8/26/17 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

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 1 of 3

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# L932260

Table B229

Acctnum: PESENVSWA
Template: T126586
Prelogin: P613274
TSR: 110 - Brian Ford
PB: 8/10/17 MW3
Shipped Via: FedEX Ground

COOLER+2

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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON McKERNAN

Site/Facility ID # 1413 001 02 602

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 2 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# L932260

Table #

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B- B-207-40	GRAB	SS	40	8/25/17	1130	5	X		X	X		HOLD	
B- B-209-60		SS	60		1135	~~4~~ 5	~~X~~		X	X			-11
B- B-207-41		SS	41		1150	5	X		X	X			-12
B- B-207-49		~~SS~~ GW	49		1210	~~5~~ 6	X	~~X~~	X	X	~~X~~		-13
B- B-209-70		~~SS~~ GW	70		1405	~~4~~ 5		~~X~~	X	X	~~X~~		-14
B- B-209-75		SS	75		1410	~~4~~ 5	~~X~~		X	X			-15
B- B-209-80		SS	80		1420	~~4~~ 5	~~X~~		X	X			-16
B- B-207-55		SS	55		1420	5	X		X	X			-17
B- B-207-60		SS	60		1445	5	X		X	X			-18
B- B-209-82-W	↓	~~GW SS~~	82	↓	1430	~~6~~ 5	~~X~~	X	~~X~~	~~X~~	X	HOLD	

* 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 # 7474 0921 0388

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	8/25/17	1630		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.6 °C Bottles Received: 10
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/26/17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

COOLER 2

Page 3 of 3

PES Environmental, Inc.- WA	Billing Information:	Pres Chk
1215 Fourth Ave., Suite 1350 Seattle, WA 98161	Attn: Accounts Payable 1215 Fourth Ave., Ste. 1350 Seattle, WA 98161	
Report to: Bill Haldeman	Email To: bhaldeman@pesenv.com	
Project Description: American Linen Project	City/State Collected: ~~SEATTLE, WA~~	
Phone: 206-529-3980 Fax: 206-529-3985	Client Project # 1413.001.02.602	Lab Project # PESENVSWA-ALP
Collected by (print): SHANNON MCKERNAN	Site/Facility ID # 1413.001.02.602	P.O. #
Collected by (signature):	*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 ___ Y X		

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B- ~~209~~ ~~75~~ 207-70	GRAB	SS	75	8/25/17	1510	5	X		X	X			-19
B- 207-80	↓	~~SS~~ ~~GW~~	80	↓	1550	~~5~~ 6	X	X	X	X	~~X~~ X		-20
B-		GW				6		X			X		
B-		SS				4			X	X			
B-		SS				4			X	X			
B-		SS				4			X	X			
B-		SS				4			X	X			
B-		SS				4			X	X			
B-		SS				4			X	X			
B-		GW				6		X			X		

* 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 # 7474 0921 0388

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	8/25/17	1630	
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: 2.6 °C (MW 11) Bottles Received: 100

Date: 8/26/17 Time: 0845

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

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# 193276

Table #

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEx Ground

MEMORANDUM

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

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: August 24-25, 2017 – Soil Samples

LAB: ESC Lab ID L932260

Twenty-two (22) soil samples and one (1) groundwater sample were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on August 24-25, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Two soil samples and one groundwater sample were placed on hold. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L932260. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in X# ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L934130, L934673, L934916, and). The quality assurance review of the sample data associated with SDG L932260 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on August 24-25, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.6 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils from the date of sample 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 soils and preserved waters from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
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:

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, trans-1,4-dichloro-2-butene, 2-hexanone, and 2-butanone (MEK) associated with analytical batch WG1015912 (analyzed on August 31, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

NWTPH-Gx Method:
Laboratory method blanks were included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blanks at or above the RDL with the following exception:

- Analytical batch WG1014832: A low level of gasoline range organics was detected at 0.0423 mg/kg above the method detection limit (0.0339 mg/kg) and below the reporting limit (0.100 mg/kg) in the method blank analyzed on August 29, 2017. Gasoline was detected at low levels in the associated samples but sample concentrations exceed established action criteria for contamination in the blank. No action is taken.

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

Trip Blank Results

USEPA Method 8260C and NWTPH-Gx:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicates were not collected.

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 LCS/LCSD or MS/MSD results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on a non-client sample, a client sample from another SDG, and client samples B-208-50 and B-209-80. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

NWTPH-Gx Method:

The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, 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 soils with the following discussions:

- LCSD (Batch WG1014887) RPD values for compound acetone, 1,2-dibromo-3-chloropropane, hexachloro-1,3-butadiene, 2-butanone (MEK), naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are above laboratory acceptance criteria (20%) and qualified by the laboratory (J3). No action was taken on this basis as LCS/LCSD percent recovery results are recovered wide but are within control limits.

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils.

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 within one of the analytical batches and on client sample B-207-30. The MS/MSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following discussions:

- MS/MSD (Batch WG1014887) RPDs and % Rs are outside of laboratory criteria for multiple compounds due, in part, to matrix interference. Since this spike was performed on a non-client sample within one of the analytical batches no action will be taken. Refer to spike results on sample B-207-30 and LCS/LCSD results for accuracy and precision data.

NWTPH-Gx Method:
MS/MSDs were analyzed by the NWTPH-Gx method on non-client samples within the analytical batches. The MS/MSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Sample B-207-30 was not reanalyzed at a lower dilution as there were no low level sodium bisulfite vials remaining for this sample. No action was taken other than to note this.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	08/31/2017 15:04	WG1015695

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	0.161	B	0.0402	0.119	1	08/29/2017 20:27	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*08/29/2017 20:27*	WG1014832

Volatile Organic Compounds (GC/MS) 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	08/31/2017 23:13	WG1015912
Acrylonitrile	U		0.00212	0.0119	1	08/31/2017 23:13	WG1015912
Benzene	U		0.000320	0.00119	1	08/31/2017 23:13	WG1015912
Bromobenzene	U		0.000337	0.00119	1	08/31/2017 23:13	WG1015912
Bromodichloromethane	U		0.000301	0.00119	1	08/31/2017 23:13	WG1015912
Bromochloromethane	U		0.000463	0.00593	1	08/31/2017 23:13	WG1015912
Bromoform	U U	J0	0.000503	0.00119	1	08/31/2017 23:13	WG1015912
Bromomethane	U		0.00159	0.00593	1	08/31/2017 23:13	WG1015912
n-Butylbenzene	U		0.000306	0.00119	1	08/31/2017 23:13	WG1015912
sec-Butylbenzene	U		0.000239	0.00119	1	08/31/2017 23:13	WG1015912
tert-Butylbenzene	U		0.000244	0.00119	1	08/31/2017 23:13	WG1015912
Carbon disulfide	0.00101 J	J	0.000262	0.00119	1	08/31/2017 23:13	WG1015912
Carbon tetrachloride	U		0.000389	0.00119	1	08/31/2017 23:13	WG1015912
Chlorobenzene	U		0.000252	0.00119	1	08/31/2017 23:13	WG1015912
Chlorodibromomethane	U		0.000443	0.00119	1	08/31/2017 23:13	WG1015912
Chloroethane	U		0.00112	0.00593	1	08/31/2017 23:13	WG1015912
Chloroform	U		0.000272	0.00593	1	08/31/2017 23:13	WG1015912
Chloromethane	U		0.000445	0.00297	1	08/31/2017 23:13	WG1015912
2-Chlorotoluene	U		0.000357	0.00119	1	08/31/2017 23:13	WG1015912
4-Chlorotoluene	U		0.000285	0.00119	1	08/31/2017 23:13	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00593	1	08/31/2017 23:13	WG1015912
1,2-Dibromoethane	U		0.000407	0.00119	1	08/31/2017 23:13	WG1015912
Dibromomethane	U		0.000453	0.00119	1	08/31/2017 23:13	WG1015912
1,2-Dichlorobenzene	U		0.000362	0.00119	1	08/31/2017 23:13	WG1015912
1,3-Dichlorobenzene	U		0.000284	0.00119	1	08/31/2017 23:13	WG1015912
1,4-Dichlorobenzene	U		0.000268	0.00119	1	08/31/2017 23:13	WG1015912
Dichlorodifluoromethane	U		0.000846	0.00593	1	08/31/2017 23:13	WG1015912
1,1-Dichloroethane	U		0.000236	0.00119	1	08/31/2017 23:13	WG1015912
1,2-Dichloroethane	U		0.000314	0.00119	1	08/31/2017 23:13	WG1015912
1,1-Dichloroethene	U		0.000360	0.00119	1	08/31/2017 23:13	WG1015912
cis-1,2-Dichloroethene	0.0170		0.000279	0.00119	1	08/31/2017 23:13	WG1015912
trans-1,2-Dichloroethene	U		0.000313	0.00119	1	08/31/2017 23:13	WG1015912
1,2-Dichloropropane	U		0.000425	0.00119	1	08/31/2017 23:13	WG1015912
1,1-Dichloropropene	U		0.000376	0.00119	1	08/31/2017 23:13	WG1015912
1,3-Dichloropropane	U		0.000246	0.00119	1	08/31/2017 23:13	WG1015912
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	08/31/2017 23:13	WG1015912
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	08/31/2017 23:13	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000923	0.00297	1	08/31/2017 23:13	WG1015912
2,2-Dichloropropane	U		0.000331	0.00119	1	08/31/2017 23:13	WG1015912
Di-isopropyl ether	U		0.000294	0.00119	1	08/31/2017 23:13	WG1015912
Ethylbenzene	U		0.000352	0.00119	1	08/31/2017 23:13	WG1015912
Hexachloro-1,3-butadiene	U		0.000406	0.00119	1	09/02/2017 13:26	WG1015912
2-Hexanone	U UJ	J0	0.00163	0.0119	1	08/31/2017 23:13	WG1015912
n-Hexane	U		0.000344	0.0119	1	08/31/2017 23:13	WG1015912

Volatile Organic Compounds (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		0.00300	0.0119	1	08/31/2017 23:13	WG1015912
Isopropylbenzene	U		0.000288	0.00119	1	08/31/2017 23:13	WG1015912
p-Isopropyltoluene	U		0.000242	0.00119	1	08/31/2017 23:13	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00555	0.0119	1	08/31/2017 23:13	WG1015912
Methylene Chloride	U		0.00119	0.00593	1	08/31/2017 23:13	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	08/31/2017 23:13	WG1015912
Methyl tert-butyl ether	U		0.000252	0.00119	1	08/31/2017 23:13	WG1015912
Naphthalene	U		0.00119	0.00593	1	08/31/2017 23:13	WG1015912
n-Propylbenzene	U		0.000244	0.00119	1	08/31/2017 23:13	WG1015912
Styrene	U		0.000278	0.00119	1	08/31/2017 23:13	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000313	0.00119	1	08/31/2017 23:13	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000433	0.00119	1	08/31/2017 23:13	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000433	0.00119	1	08/31/2017 23:13	WG1015912
Tetrachloroethene	0.190		0.000328	0.00119	1	08/31/2017 23:13	WG1015912
Toluene	U		0.000515	0.00593	1	08/31/2017 23:13	WG1015912
1,2,3-Trichlorobenzene	U		0.000363	0.00119	1	08/31/2017 23:13	WG1015912
1,2,4-Trichlorobenzene	U		0.000460	0.00119	1	08/31/2017 23:13	WG1015912
1,1,1-Trichloroethane	U		0.000339	0.00119	1	08/31/2017 23:13	WG1015912
1,1,2-Trichloroethane	U		0.000329	0.00119	1	08/31/2017 23:13	WG1015912
Trichloroethene	0.00881		0.000331	0.00119	1	08/31/2017 23:13	WG1015912
Trichlorofluoromethane	U		0.000453	0.00593	1	08/31/2017 23:13	WG1015912
1,2,3-Trichloropropane	U		0.000879	0.00297	1	08/31/2017 23:13	WG1015912
1,2,4-Trimethylbenzene	U		0.000250	0.00119	1	08/31/2017 23:13	WG1015912
1,2,3-Trimethylbenzene	U		0.000341	0.00119	1	08/31/2017 23:13	WG1015912
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	08/31/2017 23:13	WG1015912
Vinyl acetate	U		0.00284	0.0119	1	08/31/2017 23:13	WG1015912
Vinyl chloride	U		0.000345	0.00119	1	08/31/2017 23:13	WG1015912
Xylenes, Total	U		0.000828	0.00356	1	08/31/2017 23:13	WG1015912
(S) Toluene-d8	*99.0*			*80.0-120*		*08/31/2017 23:13*	WG1015912
(S) Toluene-d8	*99.9*			*80.0-120*		*09/02/2017 13:26*	WG1015912
(S) Dibromofluoromethane	*94.7*			*74.0-131*		*09/02/2017 13:26*	WG1015912
(S) Dibromofluoromethane	*102*			*74.0-131*		*08/31/2017 23:13*	WG1015912
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*08/31/2017 23:13*	WG1015912
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*09/02/2017 13:26*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	08/31/2017 13:09	WG1015508

Volatile Organic Compounds (GC/MS) 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	08/31/2017 23:30	WG1015912
Acrylonitrile	U		0.00198	0.0110	1	08/31/2017 23:30	WG1015912
Benzene	U		0.000298	0.00110	1	08/31/2017 23:30	WG1015912
Bromobenzene	U		0.000314	0.00110	1	08/31/2017 23:30	WG1015912
Bromodichloromethane	U		0.000280	0.00110	1	08/31/2017 23:30	WG1015912
Bromochloromethane	U		0.000431	0.00552	1	08/31/2017 23:30	WG1015912
Bromoform	U UJ	J0	0.000468	0.00110	1	08/31/2017 23:30	WG1015912
Bromomethane	U		0.00148	0.00552	1	08/31/2017 23:30	WG1015912
n-Butylbenzene	U		0.000285	0.00110	1	08/31/2017 23:30	WG1015912
sec-Butylbenzene	U		0.000222	0.00110	1	08/31/2017 23:30	WG1015912
tert-Butylbenzene	U		0.000227	0.00110	1	08/31/2017 23:30	WG1015912
Carbon disulfide	0.000930 J	J	0.000244	0.00110	1	08/31/2017 23:30	WG1015912
Carbon tetrachloride	U		0.000362	0.00110	1	08/31/2017 23:30	WG1015912
Chlorobenzene	U		0.000234	0.00110	1	08/31/2017 23:30	WG1015912
Chlorodibromomethane	U		0.000412	0.00110	1	08/31/2017 23:30	WG1015912
Chloroethane	U		0.00104	0.00552	1	08/31/2017 23:30	WG1015912
Chloroform	U		0.000253	0.00552	1	08/31/2017 23:30	WG1015912
Chloromethane	U		0.000414	0.00276	1	08/31/2017 23:30	WG1015912
2-Chlorotoluene	U		0.000332	0.00110	1	08/31/2017 23:30	WG1015912
4-Chlorotoluene	U		0.000265	0.00110	1	08/31/2017 23:30	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	08/31/2017 23:30	WG1015912
1,2-Dibromoethane	U		0.000379	0.00110	1	08/31/2017 23:30	WG1015912
Dibromomethane	U		0.000422	0.00110	1	08/31/2017 23:30	WG1015912
1,2-Dichlorobenzene	U		0.000337	0.00110	1	08/31/2017 23:30	WG1015912
1,3-Dichlorobenzene	U		0.000264	0.00110	1	08/31/2017 23:30	WG1015912
1,4-Dichlorobenzene	U		0.000250	0.00110	1	08/31/2017 23:30	WG1015912
Dichlorodifluoromethane	U		0.000787	0.00552	1	08/31/2017 23:30	WG1015912
1,1-Dichloroethane	U		0.000220	0.00110	1	08/31/2017 23:30	WG1015912
1,2-Dichloroethane	U		0.000293	0.00110	1	08/31/2017 23:30	WG1015912
1,1-Dichloroethene	0.000389 J	J	0.000335	0.00110	1	08/31/2017 23:30	WG1015912
cis-1,2-Dichloroethene	0.0739		0.000259	0.00110	1	08/31/2017 23:30	WG1015912
trans-1,2-Dichloroethene	0.00455		0.000291	0.00110	1	08/31/2017 23:30	WG1015912
1,2-Dichloropropane	U		0.000395	0.00110	1	08/31/2017 23:30	WG1015912
1,1-Dichloropropene	U		0.000350	0.00110	1	08/31/2017 23:30	WG1015912
1,3-Dichloropropane	U		0.000229	0.00110	1	08/31/2017 23:30	WG1015912
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	08/31/2017 23:30	WG1015912
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	08/31/2017 23:30	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000859	0.00276	1	08/31/2017 23:30	WG1015912
2,2-Dichloropropane	U		0.000308	0.00110	1	08/31/2017 23:30	WG1015912
Di-isopropyl ether	U		0.000274	0.00110	1	08/31/2017 23:30	WG1015912
Ethylbenzene	U		0.000328	0.00110	1	08/31/2017 23:30	WG1015912
Hexachloro-1,3-butadiene	U		0.000378	0.00110	1	09/02/2017 13:46	WG1015912
2-Hexanone	U UJ	J0	0.00151	0.0110	1	08/31/2017 23:30	WG1015912
n-Hexane	U		0.000320	0.0110	1	08/31/2017 23:30	WG1015912
Iodomethane	U		0.00279	0.0110	1	08/31/2017 23:30	WG1015912
Isopropylbenzene	U		0.000268	0.00110	1	08/31/2017 23:30	WG1015912
p-Isopropyltoluene	U		0.000225	0.00110	1	08/31/2017 23:30	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00517	0.0110	1	08/31/2017 23:30	WG1015912
Methylene Chloride	U		0.00110	0.00552	1	08/31/2017 23:30	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	08/31/2017 23:30	WG1015912

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

Analyte	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	08/31/2017 23:30	WG1015912
Naphthalene	U		0.00110	0.00552	1	08/31/2017 23:30	WG1015912
n-Propylbenzene	U		0.000227	0.00110	1	08/31/2017 23:30	WG1015912
Styrene	U		0.000258	0.00110	1	08/31/2017 23:30	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	08/31/2017 23:30	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	08/31/2017 23:30	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	08/31/2017 23:30	WG1015912
Tetrachloroethene	0.00150		0.000305	0.00110	1	08/31/2017 23:30	WG1015912
Toluene	U		0.000479	0.00552	1	08/31/2017 23:30	WG1015912
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	08/31/2017 23:30	WG1015912
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	08/31/2017 23:30	WG1015912
1,1,1-Trichloroethane	U		0.000316	0.00110	1	08/31/2017 23:30	WG1015912
1,1,2-Trichloroethane	U		0.000306	0.00110	1	08/31/2017 23:30	WG1015912
Trichloroethene	U		0.000308	0.00110	1	08/31/2017 23:30	WG1015912
Trichlorofluoromethane	U		0.000422	0.00552	1	08/31/2017 23:30	WG1015912
1,2,3-Trichloropropane	U		0.000818	0.00276	1	08/31/2017 23:30	WG1015912
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	08/31/2017 23:30	WG1015912
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	08/31/2017 23:30	WG1015912
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	08/31/2017 23:30	WG1015912
Vinyl acetate	U		0.00264	0.0110	1	08/31/2017 23:30	WG1015912
Vinyl chloride	U		0.000321	0.00110	1	08/31/2017 23:30	WG1015912
Xylenes, Total	U		0.000771	0.00331	1	08/31/2017 23:30	WG1015912
(S) Toluene-d8	*95.4*			*80.0-120*		*08/31/2017 23:30*	WG1015912
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 13:46*	WG1015912
(S) Dibromofluoromethane	*103*			*74.0-131*		*08/31/2017 23:30*	WG1015912
(S) Dibromofluoromethane	*92.1*			*74.0-131*		*09/02/2017 13:46*	WG1015912
(S) 4-Bromofluorobenzene	*91.6*			*64.0-132*		*09/02/2017 13:46*	WG1015912
(S) 4-Bromofluorobenzene	*99.2*			*64.0-132*		*08/31/2017 23:30*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.8		1	08/31/2017 14:27	WG1015511

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0227 J	J J0	0.0111	0.0557	1	08/31/2017 23:47	WG1015912
Acrylonitrile	U		0.00199	0.0111	1	08/31/2017 23:47	WG1015912
Benzene	0.000440 J	J	0.000301	0.00111	1	08/31/2017 23:47	WG1015912
Bromobenzene	U		0.000316	0.00111	1	08/31/2017 23:47	WG1015912
Bromodichloromethane	U		0.000283	0.00111	1	08/31/2017 23:47	WG1015912
Bromochloromethane	U		0.000434	0.00557	1	08/31/2017 23:47	WG1015912
Bromoform	U UJ	J0	0.000472	0.00111	1	08/31/2017 23:47	WG1015912
Bromomethane	U		0.00149	0.00557	1	08/31/2017 23:47	WG1015912
n-Butylbenzene	U		0.000287	0.00111	1	08/31/2017 23:47	WG1015912
sec-Butylbenzene	U		0.000224	0.00111	1	08/31/2017 23:47	WG1015912
tert-Butylbenzene	U		0.000229	0.00111	1	08/31/2017 23:47	WG1015912
Carbon disulfide	0.00232		0.000246	0.00111	1	08/31/2017 23:47	WG1015912
Carbon tetrachloride	U		0.000365	0.00111	1	08/31/2017 23:47	WG1015912
Chlorobenzene	U		0.000236	0.00111	1	08/31/2017 23:47	WG1015912
Chlorodibromomethane	U		0.000415	0.00111	1	08/31/2017 23:47	WG1015912
Chloroethane	U		0.00105	0.00557	1	08/31/2017 23:47	WG1015912
Chloroform	U		0.000255	0.00557	1	08/31/2017 23:47	WG1015912
Chloromethane	U		0.000418	0.00278	1	08/31/2017 23:47	WG1015912
2-Chlorotoluene	U		0.000335	0.00111	1	08/31/2017 23:47	WG1015912
4-Chlorotoluene	U		0.000267	0.00111	1	08/31/2017 23:47	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00557	1	08/31/2017 23:47	WG1015912
1,2-Dibromoethane	U		0.000382	0.00111	1	08/31/2017 23:47	WG1015912
Dibromomethane	U		0.000425	0.00111	1	08/31/2017 23:47	WG1015912
1,2-Dichlorobenzene	U		0.000340	0.00111	1	08/31/2017 23:47	WG1015912
1,3-Dichlorobenzene	U		0.000266	0.00111	1	08/31/2017 23:47	WG1015912
1,4-Dichlorobenzene	U		0.000252	0.00111	1	08/31/2017 23:47	WG1015912
Dichlorodifluoromethane	U		0.000794	0.00557	1	08/31/2017 23:47	WG1015912
1,1-Dichloroethane	U		0.000222	0.00111	1	08/31/2017 23:47	WG1015912
1,2-Dichloroethane	U		0.000295	0.00111	1	08/31/2017 23:47	WG1015912
1,1-Dichloroethene	U		0.000337	0.00111	1	08/31/2017 23:47	WG1015912
cis-1,2-Dichloroethene	0.000685 J	J	0.000262	0.00111	1	08/31/2017 23:47	WG1015912
trans-1,2-Dichloroethene	U		0.000294	0.00111	1	08/31/2017 23:47	WG1015912
1,2-Dichloropropane	U		0.000399	0.00111	1	08/31/2017 23:47	WG1015912
1,1-Dichloropropene	U		0.000353	0.00111	1	08/31/2017 23:47	WG1015912
1,3-Dichloropropane	U		0.000231	0.00111	1	08/31/2017 23:47	WG1015912
cis-1,3-Dichloropropene	U		0.000292	0.00111	1	08/31/2017 23:47	WG1015912
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	08/31/2017 23:47	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000866	0.00278	1	08/31/2017 23:47	WG1015912
2,2-Dichloropropane	U		0.000311	0.00111	1	08/31/2017 23:47	WG1015912
Di-isopropyl ether	U		0.000276	0.00111	1	08/31/2017 23:47	WG1015912
Ethylbenzene	U		0.000331	0.00111	1	08/31/2017 23:47	WG1015912
Hexachloro-1,3-butadiene	U		0.000381	0.00111	1	09/02/2017 14:07	WG1015912
2-Hexanone	U UJ	J0	0.00153	0.0111	1	08/31/2017 23:47	WG1015912
n-Hexane	0.0298		0.000323	0.0111	1	08/31/2017 23:47	WG1015912
Iodomethane	U		0.00282	0.0111	1	08/31/2017 23:47	WG1015912
Isopropylbenzene	U		0.000271	0.00111	1	08/31/2017 23:47	WG1015912
p-Isopropyltoluene	U		0.000227	0.00111	1	08/31/2017 23:47	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00521	0.0111	1	08/31/2017 23:47	WG1015912
Methylene Chloride	U		0.00111	0.00557	1	08/31/2017 23:47	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	08/31/2017 23:47	WG1015912

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

Analyte	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	08/31/2017 23:47	WG1015912
Naphthalene	U		0.00111	0.00557	1	08/31/2017 23:47	WG1015912
n-Propylbenzene	U		0.000229	0.00111	1	08/31/2017 23:47	WG1015912
Styrene	U		0.000261	0.00111	1	08/31/2017 23:47	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000294	0.00111	1	08/31/2017 23:47	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000406	0.00111	1	08/31/2017 23:47	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000406	0.00111	1	08/31/2017 23:47	WG1015912
Tetrachloroethene	U		0.000307	0.00111	1	08/31/2017 23:47	WG1015912
Toluene	U		0.000483	0.00557	1	08/31/2017 23:47	WG1015912
1,2,3-Trichlorobenzene	U		0.000341	0.00111	1	08/31/2017 23:47	WG1015912
1,2,4-Trichlorobenzene	U		0.000432	0.00111	1	08/31/2017 23:47	WG1015912
1,1,1-Trichloroethane	U		0.000318	0.00111	1	08/31/2017 23:47	WG1015912
1,1,2-Trichloroethane	U		0.000308	0.00111	1	08/31/2017 23:47	WG1015912
Trichloroethene	U		0.000311	0.00111	1	08/31/2017 23:47	WG1015912
Trichlorofluoromethane	U		0.000425	0.00557	1	08/31/2017 23:47	WG1015912
1,2,3-Trichloropropane	U		0.000825	0.00278	1	08/31/2017 23:47	WG1015912
1,2,4-Trimethylbenzene	U		0.000235	0.00111	1	08/31/2017 23:47	WG1015912
1,2,3-Trimethylbenzene	U		0.000320	0.00111	1	08/31/2017 23:47	WG1015912
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	08/31/2017 23:47	WG1015912
Vinyl acetate	U		0.00266	0.0111	1	08/31/2017 23:47	WG1015912
Vinyl chloride	U		0.000324	0.00111	1	08/31/2017 23:47	WG1015912
Xylenes, Total	U		0.000777	0.00334	1	08/31/2017 23:47	WG1015912
(S) Toluene-d8	*95.6*			*80.0-120*		*08/31/2017 23:47*	WG1015912
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 14:07*	WG1015912
(S) Dibromofluoromethane	*100*			*74.0-131*		*08/31/2017 23:47*	WG1015912
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*09/02/2017 14:07*	WG1015912
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*09/02/2017 14:07*	WG1015912
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*08/31/2017 23:47*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	08/31/2017 15:04	WG1015695

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	0.138	B	0.0379	0.112	1	08/29/2017 20:49	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*96.2*			*77.0-120*		*08/29/2017 20:49*	WG1014832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0167 J	J J0	0.0112	0.0558	1	09/01/2017 00:05	WG1015912
Acrylonitrile	U		0.00200	0.0112	1	09/01/2017 00:05	WG1015912
Benzene	U		0.000302	0.00112	1	09/01/2017 00:05	WG1015912
Bromobenzene	U		0.000317	0.00112	1	09/01/2017 00:05	WG1015912
Bromodichloromethane	U		0.000284	0.00112	1	09/01/2017 00:05	WG1015912
Bromochloromethane	U		0.000436	0.00558	1	09/01/2017 00:05	WG1015912
Bromoform	U UJ	J0	0.000474	0.00112	1	09/01/2017 00:05	WG1015912
Bromomethane	U		0.00150	0.00558	1	09/01/2017 00:05	WG1015912
n-Butylbenzene	U		0.000288	0.00112	1	09/01/2017 00:05	WG1015912
sec-Butylbenzene	U		0.000224	0.00112	1	09/01/2017 00:05	WG1015912
tert-Butylbenzene	U		0.000230	0.00112	1	09/01/2017 00:05	WG1015912
Carbon disulfide	0.000867 J	J	0.000247	0.00112	1	09/01/2017 00:05	WG1015912
Carbon tetrachloride	U		0.000366	0.00112	1	09/01/2017 00:05	WG1015912
Chlorobenzene	U		0.000237	0.00112	1	09/01/2017 00:05	WG1015912
Chlorodibromomethane	U		0.000417	0.00112	1	09/01/2017 00:05	WG1015912
Chloroethane	U		0.00106	0.00558	1	09/01/2017 00:05	WG1015912
Chloroform	U		0.000256	0.00558	1	09/01/2017 00:05	WG1015912
Chloromethane	U		0.000419	0.00279	1	09/01/2017 00:05	WG1015912
2-Chlorotoluene	U		0.000336	0.00112	1	09/01/2017 00:05	WG1015912
4-Chlorotoluene	U		0.000268	0.00112	1	09/01/2017 00:05	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	09/01/2017 00:05	WG1015912
1,2-Dibromoethane	U		0.000383	0.00112	1	09/01/2017 00:05	WG1015912
Dibromomethane	U		0.000427	0.00112	1	09/01/2017 00:05	WG1015912
1,2-Dichlorobenzene	U		0.000341	0.00112	1	09/01/2017 00:05	WG1015912
1,3-Dichlorobenzene	U		0.000267	0.00112	1	09/01/2017 00:05	WG1015912
1,4-Dichlorobenzene	U		0.000252	0.00112	1	09/01/2017 00:05	WG1015912
Dichlorodifluoromethane	U		0.000796	0.00558	1	09/01/2017 00:05	WG1015912
1,1-Dichloroethane	U		0.000222	0.00112	1	09/01/2017 00:05	WG1015912
1,2-Dichloroethane	U		0.000296	0.00112	1	09/01/2017 00:05	WG1015912
1,1-Dichloroethene	U		0.000338	0.00112	1	09/01/2017 00:05	WG1015912
cis-1,2-Dichloroethene	0.00115		0.000262	0.00112	1	09/01/2017 00:05	WG1015912
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/01/2017 00:05	WG1015912
1,2-Dichloropropane	U		0.000400	0.00112	1	09/01/2017 00:05	WG1015912
1,1-Dichloropropene	U		0.000354	0.00112	1	09/01/2017 00:05	WG1015912
1,3-Dichloropropane	U		0.000231	0.00112	1	09/01/2017 00:05	WG1015912
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	09/01/2017 00:05	WG1015912
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	09/01/2017 00:05	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000869	0.00279	1	09/01/2017 00:05	WG1015912
2,2-Dichloropropane	U		0.000312	0.00112	1	09/01/2017 00:05	WG1015912
Di-isopropyl ether	U		0.000277	0.00112	1	09/01/2017 00:05	WG1015912
Ethylbenzene	U		0.000332	0.00112	1	09/01/2017 00:05	WG1015912
Hexachloro-1,3-butadiene	U		0.00955	0.0279	25	09/02/2017 14:28	WG1015912
2-Hexanone	U UJ	J0	0.00153	0.0112	1	09/01/2017 00:05	WG1015912
n-Hexane	U		0.000324	0.0112	1	09/01/2017 00:05	WG1015912

Volatile Organic Compounds (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		0.00283	0.0112	1	09/01/2017 00:05	WG1015912
Isopropylbenzene	U		0.000271	0.00112	1	09/01/2017 00:05	WG1015912
p-Isopropyltoluene	U		0.000228	0.00112	1	09/01/2017 00:05	WG1015912
2-Butanone (MEK)	U	J0	0.00523	0.0112	1	09/01/2017 00:05	WG1015912
Methylene Chloride	U UJ		0.00112	0.00558	1	09/01/2017 00:05	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	09/01/2017 00:05	WG1015912
Methyl tert-butyl ether	U		0.000237	0.00112	1	09/01/2017 00:05	WG1015912
Naphthalene	U		0.00112	0.00558	1	09/01/2017 00:05	WG1015912
n-Propylbenzene	U		0.000230	0.00112	1	09/01/2017 00:05	WG1015912
Styrene	U		0.000261	0.00112	1	09/01/2017 00:05	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	09/01/2017 00:05	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	09/01/2017 00:05	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	09/01/2017 00:05	WG1015912
Tetrachloroethene	0.0106		0.000308	0.00112	1	09/01/2017 00:05	WG1015912
Toluene	U		0.000485	0.00558	1	09/01/2017 00:05	WG1015912
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	09/01/2017 00:05	WG1015912
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	09/01/2017 00:05	WG1015912
1,1,1-Trichloroethane	U		0.000319	0.00112	1	09/01/2017 00:05	WG1015912
1,1,2-Trichloroethane	U		0.000309	0.00112	1	09/01/2017 00:05	WG1015912
Trichloroethene	0.000372 J	J	0.000312	0.00112	1	09/01/2017 00:05	WG1015912
Trichlorofluoromethane	U		0.000427	0.00558	1	09/01/2017 00:05	WG1015912
1,2,3-Trichloropropane	U		0.000828	0.00279	1	09/01/2017 00:05	WG1015912
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/01/2017 00:05	WG1015912
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	09/01/2017 00:05	WG1015912
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	09/01/2017 00:05	WG1015912
Vinyl acetate	U		0.00267	0.0112	1	09/01/2017 00:05	WG1015912
Vinyl chloride	U		0.000325	0.00112	1	09/01/2017 00:05	WG1015912
Xylenes, Total	U		0.000780	0.00335	1	09/01/2017 00:05	WG1015912
(S) Toluene-d8	*97.4*			*80.0-120*		*09/01/2017 00:05*	WG1015912
(S) Toluene-d8	*107*			*80.0-120*		*09/02/2017 14:28*	WG1015912
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 00:05*	WG1015912
(S) Dibromofluoromethane	*88.3*			*74.0-131*		*09/02/2017 14:28*	WG1015912
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/01/2017 00:05*	WG1015912
(S) 4-Bromofluorobenzene	*89.6*			*64.0-132*		*09/02/2017 14:28*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/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	J J0	0.0112	0.0558	1	09/01/2017 00:22	WG1015912
Acrylonitrile	U		0.00200	0.0112	1	09/01/2017 00:22	WG1015912
Benzene	U		0.000302	0.00112	1	09/01/2017 00:22	WG1015912
Bromobenzene	U		0.000317	0.00112	1	09/01/2017 00:22	WG1015912
Bromodichloromethane	U		0.000284	0.00112	1	09/01/2017 00:22	WG1015912
Bromochloromethane	U		0.000436	0.00558	1	09/01/2017 00:22	WG1015912
Bromoform	U UJ	J0	0.000473	0.00112	1	09/01/2017 00:22	WG1015912
Bromomethane	U		0.00150	0.00558	1	09/01/2017 00:22	WG1015912
n-Butylbenzene	U		0.000288	0.00112	1	09/01/2017 00:22	WG1015912
sec-Butylbenzene	U		0.000224	0.00112	1	09/01/2017 00:22	WG1015912
tert-Butylbenzene	U		0.000230	0.00112	1	09/01/2017 00:22	WG1015912
Carbon disulfide	0.00232		0.000247	0.00112	1	09/01/2017 00:22	WG1015912
Carbon tetrachloride	U		0.000366	0.00112	1	09/01/2017 00:22	WG1015912
Chlorobenzene	U		0.000237	0.00112	1	09/01/2017 00:22	WG1015912
Chlorodibromomethane	U		0.000417	0.00112	1	09/01/2017 00:22	WG1015912
Chloroethane	U		0.00106	0.00558	1	09/01/2017 00:22	WG1015912
Chloroform	U		0.000256	0.00558	1	09/01/2017 00:22	WG1015912
Chloromethane	U		0.000419	0.00279	1	09/01/2017 00:22	WG1015912
2-Chlorotoluene	U		0.000336	0.00112	1	09/01/2017 00:22	WG1015912
4-Chlorotoluene	U		0.000268	0.00112	1	09/01/2017 00:22	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	09/01/2017 00:22	WG1015912
1,2-Dibromoethane	U		0.000383	0.00112	1	09/01/2017 00:22	WG1015912
Dibromomethane	U		0.000427	0.00112	1	09/01/2017 00:22	WG1015912
1,2-Dichlorobenzene	U		0.000341	0.00112	1	09/01/2017 00:22	WG1015912
1,3-Dichlorobenzene	U		0.000267	0.00112	1	09/01/2017 00:22	WG1015912
1,4-Dichlorobenzene	U		0.000252	0.00112	1	09/01/2017 00:22	WG1015912
Dichlorodifluoromethane	U		0.000796	0.00558	1	09/01/2017 00:22	WG1015912
1,1-Dichloroethane	U		0.000222	0.00112	1	09/01/2017 00:22	WG1015912
1,2-Dichloroethane	U		0.000296	0.00112	1	09/01/2017 00:22	WG1015912
1,1-Dichloroethene	U		0.000338	0.00112	1	09/01/2017 00:22	WG1015912
cis-1,2-Dichloroethene	0.000316 J	J	0.000262	0.00112	1	09/01/2017 00:22	WG1015912
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/01/2017 00:22	WG1015912
1,2-Dichloropropane	U		0.000400	0.00112	1	09/01/2017 00:22	WG1015912
1,1-Dichloropropene	U		0.000354	0.00112	1	09/01/2017 00:22	WG1015912
1,3-Dichloropropane	U		0.000231	0.00112	1	09/01/2017 00:22	WG1015912
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	09/01/2017 00:22	WG1015912
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	09/01/2017 00:22	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000869	0.00279	1	09/01/2017 00:22	WG1015912
2,2-Dichloropropane	U		0.000312	0.00112	1	09/01/2017 00:22	WG1015912
Di-isopropyl ether	U		0.000277	0.00112	1	09/01/2017 00:22	WG1015912
Ethylbenzene	U		0.000332	0.00112	1	09/01/2017 00:22	WG1015912
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	09/02/2017 14:48	WG1015912
2-Hexanone	U UJ	J0	0.00153	0.0112	1	09/01/2017 00:22	WG1015912
n-Hexane	U		0.000324	0.0112	1	09/01/2017 00:22	WG1015912
Iodomethane	U		0.00283	0.0112	1	09/01/2017 00:22	WG1015912
Isopropylbenzene	U		0.000271	0.00112	1	09/01/2017 00:22	WG1015912
p-Isopropyltoluene	U		0.000228	0.00112	1	09/01/2017 00:22	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00523	0.0112	1	09/01/2017 00:22	WG1015912
Methylene Chloride	U		0.00112	0.00558	1	09/01/2017 00:22	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	09/01/2017 00:22	WG1015912

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

Analyte	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	09/01/2017 00:22	WG1015912
Naphthalene	U		0.00112	0.00558	1	09/01/2017 00:22	WG1015912
n-Propylbenzene	U		0.000230	0.00112	1	09/01/2017 00:22	WG1015912
Styrene	U		0.000261	0.00112	1	09/01/2017 00:22	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	09/01/2017 00:22	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	09/01/2017 00:22	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	09/01/2017 00:22	WG1015912
Tetrachloroethene	U		0.000308	0.00112	1	09/01/2017 00:22	WG1015912
Toluene	U		0.000485	0.00558	1	09/01/2017 00:22	WG1015912
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	09/01/2017 00:22	WG1015912
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	09/01/2017 00:22	WG1015912
1,1,1-Trichloroethane	U		0.000319	0.00112	1	09/01/2017 00:22	WG1015912
1,1,2-Trichloroethane	U		0.000309	0.00112	1	09/01/2017 00:22	WG1015912
Trichloroethene	U		0.000312	0.00112	1	09/01/2017 00:22	WG1015912
Trichlorofluoromethane	U		0.000427	0.00558	1	09/01/2017 00:22	WG1015912
1,2,3-Trichloropropane	U		0.000827	0.00279	1	09/01/2017 00:22	WG1015912
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/01/2017 00:22	WG1015912
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	09/01/2017 00:22	WG1015912
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	09/01/2017 00:22	WG1015912
Vinyl acetate	U		0.00267	0.0112	1	09/01/2017 00:22	WG1015912
Vinyl chloride	U		0.000325	0.00112	1	09/01/2017 00:22	WG1015912
Xylenes, Total	U		0.000779	0.00335	1	09/01/2017 00:22	WG1015912
(S) Toluene-d8	*95.8*			*80.0-120*		*09/01/2017 00:22*	WG1015912
(S) Toluene-d8	*110*			*80.0-120*		*09/02/2017 14:48*	WG1015912
(S) Dibromofluoromethane	*89.3*			*74.0-131*		*09/02/2017 14:48*	WG1015912
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*09/01/2017 00:22*	WG1015912
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*09/02/2017 14:48*	WG1015912
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*09/01/2017 00:22*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/MS) 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	0.0124	0.0619	1	09/01/2017 01:02	WG1015912
Acrylonitrile	U		0.00221	0.0124	1	09/01/2017 01:02	WG1015912
Benzene	U		0.000334	0.00124	1	09/01/2017 01:02	WG1015912
Bromobenzene	U		0.000351	0.00124	1	09/01/2017 01:02	WG1015912
Bromodichloromethane	U		0.000314	0.00124	1	09/01/2017 01:02	WG1015912
Bromochloromethane	U		0.000482	0.00619	1	09/01/2017 01:02	WG1015912
Bromoform	U UJ	J0	0.000525	0.00124	1	09/01/2017 01:02	WG1015912
Bromomethane	U		0.00166	0.00619	1	09/01/2017 01:02	WG1015912
n-Butylbenzene	U		0.000319	0.00124	1	09/01/2017 01:02	WG1015912
sec-Butylbenzene	U		0.000249	0.00124	1	09/01/2017 01:02	WG1015912
tert-Butylbenzene	U		0.000255	0.00124	1	09/01/2017 01:02	WG1015912
Carbon disulfide	0.000305 J	J	0.000273	0.00124	1	09/01/2017 01:02	WG1015912
Carbon tetrachloride	U		0.000406	0.00124	1	09/01/2017 01:02	WG1015912
Chlorobenzene	U		0.000262	0.00124	1	09/01/2017 01:02	WG1015912
Chlorodibromomethane	U		0.000461	0.00124	1	09/01/2017 01:02	WG1015912
Chloroethane	U		0.00117	0.00619	1	09/01/2017 01:02	WG1015912
Chloroform	U		0.000283	0.00619	1	09/01/2017 01:02	WG1015912
Chloromethane	U		0.000464	0.00309	1	09/01/2017 01:02	WG1015912
2-Chlorotoluene	U		0.000372	0.00124	1	09/01/2017 01:02	WG1015912
4-Chlorotoluene	U		0.000297	0.00124	1	09/01/2017 01:02	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00619	1	09/01/2017 01:02	WG1015912
1,2-Dibromoethane	U		0.000424	0.00124	1	09/01/2017 01:02	WG1015912
Dibromomethane	U		0.000473	0.00124	1	09/01/2017 01:02	WG1015912
1,2-Dichlorobenzene	U		0.000377	0.00124	1	09/01/2017 01:02	WG1015912
1,3-Dichlorobenzene	U		0.000296	0.00124	1	09/01/2017 01:02	WG1015912
1,4-Dichlorobenzene	U		0.000280	0.00124	1	09/01/2017 01:02	WG1015912
Dichlorodifluoromethane	U		0.000882	0.00619	1	09/01/2017 01:02	WG1015912
1,1-Dichloroethane	U		0.000246	0.00124	1	09/01/2017 01:02	WG1015912
1,2-Dichloroethane	U		0.000328	0.00124	1	09/01/2017 01:02	WG1015912
1,1-Dichloroethene	U		0.000375	0.00124	1	09/01/2017 01:02	WG1015912
cis-1,2-Dichloroethene	U		0.000291	0.00124	1	09/01/2017 01:02	WG1015912
trans-1,2-Dichloroethene	U		0.000327	0.00124	1	09/01/2017 01:02	WG1015912
1,2-Dichloropropane	U		0.000443	0.00124	1	09/01/2017 01:02	WG1015912
1,1-Dichloropropene	U		0.000392	0.00124	1	09/01/2017 01:02	WG1015912
1,3-Dichloropropane	U		0.000256	0.00124	1	09/01/2017 01:02	WG1015912
cis-1,3-Dichloropropene	U		0.000324	0.00124	1	09/01/2017 01:02	WG1015912
trans-1,3-Dichloropropene	U		0.000330	0.00124	1	09/01/2017 01:02	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000962	0.00309	1	09/01/2017 01:02	WG1015912
2,2-Dichloropropane	U		0.000345	0.00124	1	09/01/2017 01:02	WG1015912
Di-isopropyl ether	U		0.000307	0.00124	1	09/01/2017 01:02	WG1015912
Ethylbenzene	U		0.000367	0.00124	1	09/01/2017 01:02	WG1015912
Hexachloro-1,3-butadiene	U		0.000423	0.00124	1	09/02/2017 15:09	WG1015912
2-Hexanone	U UJ	J0	0.00169	0.0124	1	09/01/2017 01:02	WG1015912
n-Hexane	U		0.000359	0.0124	1	09/01/2017 01:02	WG1015912
Iodomethane	U		0.00313	0.0124	1	09/01/2017 01:02	WG1015912
Isopropylbenzene	U		0.000301	0.00124	1	09/01/2017 01:02	WG1015912
p-Isopropyltoluene	U		0.000252	0.00124	1	09/01/2017 01:02	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00579	0.0124	1	09/01/2017 01:02	WG1015912
Methylene Chloride	U		0.00124	0.00619	1	09/01/2017 01:02	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00233	0.0124	1	09/01/2017 01:02	WG1015912

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

Analyte	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	0.00124	1	09/01/2017 01:02	WG1015912
Naphthalene	U		0.00124	0.00619	1	09/01/2017 01:02	WG1015912
n-Propylbenzene	U		0.000255	0.00124	1	09/01/2017 01:02	WG1015912
Styrene	U		0.000289	0.00124	1	09/01/2017 01:02	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000327	0.00124	1	09/01/2017 01:02	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000452	0.00124	1	09/01/2017 01:02	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000452	0.00124	1	09/01/2017 01:02	WG1015912
Tetrachloroethene	U		0.000341	0.00124	1	09/01/2017 01:02	WG1015912
Toluene	U		0.000537	0.00619	1	09/01/2017 01:02	WG1015912
1,2,3-Trichlorobenzene	U		0.000379	0.00124	1	09/01/2017 01:02	WG1015912
1,2,4-Trichlorobenzene	U		0.000480	0.00124	1	09/01/2017 01:02	WG1015912
1,1,1-Trichloroethane	U		0.000354	0.00124	1	09/01/2017 01:02	WG1015912
1,1,2-Trichloroethane	U		0.000343	0.00124	1	09/01/2017 01:02	WG1015912
Trichloroethene	U		0.000345	0.00124	1	09/01/2017 01:02	WG1015912
Trichlorofluoromethane	U		0.000473	0.00619	1	09/01/2017 01:02	WG1015912
1,2,3-Trichloropropane	U		0.000917	0.00309	1	09/01/2017 01:02	WG1015912
1,2,4-Trimethylbenzene	U		0.000261	0.00124	1	09/01/2017 01:02	WG1015912
1,2,3-Trimethylbenzene	U		0.000355	0.00124	1	09/01/2017 01:02	WG1015912
1,3,5-Trimethylbenzene	U		0.000329	0.00124	1	09/01/2017 01:02	WG1015912
Vinyl acetate	U		0.00296	0.0124	1	09/01/2017 01:02	WG1015912
Vinyl chloride	U		0.000360	0.00124	1	09/01/2017 01:02	WG1015912
Xylenes, Total	U		0.000864	0.00371	1	09/01/2017 01:02	WG1015912
(S) Toluene-d8	*95.3*			*80.0-120*		*09/01/2017 01:02*	WG1015912
(S) Toluene-d8	*101*			*80.0-120*		*09/02/2017 15:09*	WG1015912
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/01/2017 01:02*	WG1015912
(S) Dibromofluoromethane	*93.3*			*74.0-131*		*09/02/2017 15:09*	WG1015912
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*09/02/2017 15:09*	WG1015912
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*09/01/2017 01:02*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/MS) 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	0.0581	1	09/01/2017 01:19	WG1015912
Acrylonitrile	U		0.00208	0.0116	1	09/01/2017 01:19	WG1015912
Benzene	U		0.000314	0.00116	1	09/01/2017 01:19	WG1015912
Bromobenzene	U		0.000330	0.00116	1	09/01/2017 01:19	WG1015912
Bromodichloromethane	U		0.000295	0.00116	1	09/01/2017 01:19	WG1015912
Bromochloromethane	U		0.000453	0.00581	1	09/01/2017 01:19	WG1015912
Bromoform	U UJ	J0	0.000493	0.00116	1	09/01/2017 01:19	WG1015912
Bromomethane	U		0.00156	0.00581	1	09/01/2017 01:19	WG1015912
n-Butylbenzene	U		0.000300	0.00116	1	09/01/2017 01:19	WG1015912
sec-Butylbenzene	U		0.000234	0.00116	1	09/01/2017 01:19	WG1015912
tert-Butylbenzene	U		0.000239	0.00116	1	09/01/2017 01:19	WG1015912
Carbon disulfide	U		0.000257	0.00116	1	09/01/2017 01:19	WG1015912
Carbon tetrachloride	U		0.000381	0.00116	1	09/01/2017 01:19	WG1015912
Chlorobenzene	U		0.000246	0.00116	1	09/01/2017 01:19	WG1015912
Chlorodibromomethane	U		0.000433	0.00116	1	09/01/2017 01:19	WG1015912
Chloroethane	U		0.00110	0.00581	1	09/01/2017 01:19	WG1015912
Chloroform	U		0.000266	0.00581	1	09/01/2017 01:19	WG1015912
Chloromethane	U		0.000436	0.00291	1	09/01/2017 01:19	WG1015912
2-Chlorotoluene	U		0.000350	0.00116	1	09/01/2017 01:19	WG1015912
4-Chlorotoluene	U		0.000279	0.00116	1	09/01/2017 01:19	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	09/01/2017 01:19	WG1015912
1,2-Dibromoethane	U		0.000399	0.00116	1	09/01/2017 01:19	WG1015912
Dibromomethane	U		0.000444	0.00116	1	09/01/2017 01:19	WG1015912
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/01/2017 01:19	WG1015912
1,3-Dichlorobenzene	U		0.000278	0.00116	1	09/01/2017 01:19	WG1015912
1,4-Dichlorobenzene	U		0.000263	0.00116	1	09/01/2017 01:19	WG1015912
Dichlorodifluoromethane	U		0.000829	0.00581	1	09/01/2017 01:19	WG1015912
1,1-Dichloroethane	U		0.000231	0.00116	1	09/01/2017 01:19	WG1015912
1,2-Dichloroethane	U		0.000308	0.00116	1	09/01/2017 01:19	WG1015912
1,1-Dichloroethene	0.000468 J	J	0.000352	0.00116	1	09/01/2017 01:19	WG1015912
cis-1,2-Dichloroethene	0.0174		0.000273	0.00116	1	09/01/2017 01:19	WG1015912
trans-1,2-Dichloroethene	0.000402 J	J	0.000307	0.00116	1	09/01/2017 01:19	WG1015912
1,2-Dichloropropane	U		0.000416	0.00116	1	09/01/2017 01:19	WG1015912
1,1-Dichloropropene	U		0.000368	0.00116	1	09/01/2017 01:19	WG1015912
1,3-Dichloropropane	U		0.000241	0.00116	1	09/01/2017 01:19	WG1015912
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/01/2017 01:19	WG1015912
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/01/2017 01:19	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000904	0.00291	1	09/01/2017 01:19	WG1015912
2,2-Dichloropropane	U		0.000324	0.00116	1	09/01/2017 01:19	WG1015912
Di-isopropyl ether	U		0.000288	0.00116	1	09/01/2017 01:19	WG1015912
Ethylbenzene	U		0.000345	0.00116	1	09/01/2017 01:19	WG1015912
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/02/2017 15:29	WG1015912
2-Hexanone	U UJ	J0	0.00159	0.0116	1	09/01/2017 01:19	WG1015912
n-Hexane	0.000396 J	J	0.000337	0.0116	1	09/01/2017 01:19	WG1015912
Iodomethane	U		0.00294	0.0116	1	09/01/2017 01:19	WG1015912
Isopropylbenzene	U		0.000282	0.00116	1	09/01/2017 01:19	WG1015912
p-Isopropyltoluene	U		0.000237	0.00116	1	09/01/2017 01:19	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00544	0.0116	1	09/01/2017 01:19	WG1015912
Methylene Chloride	U		0.00116	0.00581	1	09/01/2017 01:19	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/01/2017 01:19	WG1015912

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

Analyte	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	09/01/2017 01:19	WG1015912
Naphthalene	U		0.00116	0.00581	1	09/01/2017 01:19	WG1015912
n-Propylbenzene	U		0.000239	0.00116	1	09/01/2017 01:19	WG1015912
Styrene	U		0.000272	0.00116	1	09/01/2017 01:19	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	09/01/2017 01:19	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/01/2017 01:19	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/01/2017 01:19	WG1015912
Tetrachloroethene	0.000424 J	J	0.000321	0.00116	1	09/01/2017 01:19	WG1015912
Toluene	U		0.000504	0.00581	1	09/01/2017 01:19	WG1015912
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	09/01/2017 01:19	WG1015912
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	09/01/2017 01:19	WG1015912
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/01/2017 01:19	WG1015912
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/01/2017 01:19	WG1015912
Trichloroethene	0.000587 J	J	0.000324	0.00116	1	09/01/2017 01:19	WG1015912
Trichlorofluoromethane	U		0.000444	0.00581	1	09/01/2017 01:19	WG1015912
1,2,3-Trichloropropane	U		0.000861	0.00291	1	09/01/2017 01:19	WG1015912
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/01/2017 01:19	WG1015912
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	09/01/2017 01:19	WG1015912
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/01/2017 01:19	WG1015912
Vinyl acetate	U		0.00278	0.0116	1	09/01/2017 01:19	WG1015912
Vinyl chloride	0.00168		0.000338	0.00116	1	09/01/2017 01:19	WG1015912
Xylenes, Total	U		0.000811	0.00349	1	09/01/2017 01:19	WG1015912
(S) Toluene-d8	*103*			*80.0-120*		*09/02/2017 15:29*	WG1015912
(S) Toluene-d8	*98.8*			*80.0-120*		*09/01/2017 01:19*	WG1015912
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/01/2017 01:19*	WG1015912
(S) Dibromofluoromethane	*94.1*			*74.0-131*		*09/02/2017 15:29*	WG1015912
(S) 4-Bromofluorobenzene	*90.3*			*64.0-132*		*09/02/2017 15:29*	WG1015912
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*09/01/2017 01:19*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	08/31/2017 14:27	WG1015511

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0123 J	J JO	0.0107	0.0534	1	09/01/2017 01:39	WG1015912
Acrylonitrile	U		0.00191	0.0107	1	09/01/2017 01:39	WG1015912
Benzene	U		0.000288	0.00107	1	09/01/2017 01:39	WG1015912
Bromobenzene	U		0.000303	0.00107	1	09/01/2017 01:39	WG1015912
Bromodichloromethane	U		0.000271	0.00107	1	09/01/2017 01:39	WG1015912
Bromochloromethane	U		0.000417	0.00534	1	09/01/2017 01:39	WG1015912
Bromoform	U UJ	JO	0.000453	0.00107	1	09/01/2017 01:39	WG1015912
Bromomethane	U		0.00143	0.00534	1	09/01/2017 01:39	WG1015912
n-Butylbenzene	U		0.000276	0.00107	1	09/01/2017 01:39	WG1015912
sec-Butylbenzene	U		0.000215	0.00107	1	09/01/2017 01:39	WG1015912
tert-Butylbenzene	U		0.000220	0.00107	1	09/01/2017 01:39	WG1015912
Carbon disulfide	0.00190		0.000236	0.00107	1	09/01/2017 01:39	WG1015912
Carbon tetrachloride	U		0.000350	0.00107	1	09/01/2017 01:39	WG1015912
Chlorobenzene	U		0.000226	0.00107	1	09/01/2017 01:39	WG1015912
Chlorodibromomethane	U		0.000398	0.00107	1	09/01/2017 01:39	WG1015912
Chloroethane	U		0.00101	0.00534	1	09/01/2017 01:39	WG1015912
Chloroform	U		0.000245	0.00534	1	09/01/2017 01:39	WG1015912
Chloromethane	U		0.000401	0.00267	1	09/01/2017 01:39	WG1015912
2-Chlorotoluene	U		0.000321	0.00107	1	09/01/2017 01:39	WG1015912
4-Chlorotoluene	U		0.000256	0.00107	1	09/01/2017 01:39	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00534	1	09/01/2017 01:39	WG1015912
1,2-Dibromoethane	U		0.000366	0.00107	1	09/01/2017 01:39	WG1015912
Dibromomethane	U		0.000408	0.00107	1	09/01/2017 01:39	WG1015912
1,2-Dichlorobenzene	U		0.000326	0.00107	1	09/01/2017 01:39	WG1015912
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/01/2017 01:39	WG1015912
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/01/2017 01:39	WG1015912
Dichlorodifluoromethane	U		0.000762	0.00534	1	09/01/2017 01:39	WG1015912
1,1-Dichloroethane	U		0.000213	0.00107	1	09/01/2017 01:39	WG1015912
1,2-Dichloroethane	U		0.000283	0.00107	1	09/01/2017 01:39	WG1015912
1,1-Dichloroethene	U		0.000324	0.00107	1	09/01/2017 01:39	WG1015912
cis-1,2-Dichloroethene	0.0508		0.000251	0.00107	1	09/01/2017 01:39	WG1015912
trans-1,2-Dichloroethene	0.000840 J	J	0.000282	0.00107	1	09/01/2017 01:39	WG1015912
1,2-Dichloropropane	U		0.000382	0.00107	1	09/01/2017 01:39	WG1015912
1,1-Dichloropropene	U		0.000339	0.00107	1	09/01/2017 01:39	WG1015912
1,3-Dichloropropane	U		0.000221	0.00107	1	09/01/2017 01:39	WG1015912
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/01/2017 01:39	WG1015912
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/01/2017 01:39	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	JO	0.000831	0.00267	1	09/01/2017 01:39	WG1015912
2,2-Dichloropropane	U		0.000298	0.00107	1	09/01/2017 01:39	WG1015912
Di-isopropyl ether	U		0.000265	0.00107	1	09/01/2017 01:39	WG1015912
Ethylbenzene	U		0.000317	0.00107	1	09/01/2017 01:39	WG1015912
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/02/2017 15:50	WG1015912
2-Hexanone	U UJ	JO	0.00146	0.0107	1	09/01/2017 01:39	WG1015912
n-Hexane	0.00231 J	J	0.000310	0.0107	1	09/01/2017 01:39	WG1015912
Iodomethane	U		0.00270	0.0107	1	09/01/2017 01:39	WG1015912
Isopropylbenzene	U		0.000260	0.00107	1	09/01/2017 01:39	WG1015912
p-Isopropyltoluene	U		0.000218	0.00107	1	09/01/2017 01:39	WG1015912
2-Butanone (MEK)	U UJ	JO	0.00500	0.0107	1	09/01/2017 01:39	WG1015912
Methylene Chloride	U		0.00107	0.00534	1	09/01/2017 01:39	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/01/2017 01:39	WG1015912

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00107	1	09/01/2017 01:39	WG1015912
Naphthalene	U		0.00107	0.00534	1	09/01/2017 01:39	WG1015912
n-Propylbenzene	U		0.000220	0.00107	1	09/01/2017 01:39	WG1015912
Styrene	U		0.000250	0.00107	1	09/01/2017 01:39	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	09/01/2017 01:39	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000390	0.00107	1	09/01/2017 01:39	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000390	0.00107	1	09/01/2017 01:39	WG1015912
Tetrachloroethene	0.00682		0.000295	0.00107	1	09/01/2017 01:39	WG1015912
Toluene	U		0.000464	0.00534	1	09/01/2017 01:39	WG1015912
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/01/2017 01:39	WG1015912
1,2,4-Trichlorobenzene	U		0.000414	0.00107	1	09/01/2017 01:39	WG1015912
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/01/2017 01:39	WG1015912
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/01/2017 01:39	WG1015912
Trichloroethene	0.00119		0.000298	0.00107	1	09/01/2017 01:39	WG1015912
Trichlorofluoromethane	U		0.000408	0.00534	1	09/01/2017 01:39	WG1015912
1,2,3-Trichloropropane	U		0.000791	0.00267	1	09/01/2017 01:39	WG1015912
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/01/2017 01:39	WG1015912
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/01/2017 01:39	WG1015912
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/01/2017 01:39	WG1015912
Vinyl acetate	U		0.00255	0.0107	1	09/01/2017 01:39	WG1015912
Vinyl chloride	0.00915		0.000311	0.00107	1	09/01/2017 01:39	WG1015912
Xylenes, Total	U		0.000746	0.00320	1	09/01/2017 01:39	WG1015912
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 15:50*	WG1015912
(S) Toluene-d8	*95.8*			*80.0-120*		*09/01/2017 01:39*	WG1015912
(S) Dibromofluoromethane	*92.9*			*74.0-131*		*09/02/2017 15:50*	WG1015912
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/01/2017 01:39*	WG1015912
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*09/02/2017 15:50*	WG1015912
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*09/01/2017 01:39*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	08/31/2017 15:04	WG1015695

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		0.0385	0.114	1	09/01/2017 04:16	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*09/01/2017 04:16*	WG1014832

Volatile Organic Compounds (GC/MS) 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	0.284	1.42	25	09/01/2017 01:57	WG1015912
Acrylonitrile	U		0.0509	0.284	25	09/01/2017 01:57	WG1015912
Benzene	U		0.00767	0.0284	25	09/01/2017 01:57	WG1015912
Bromobenzene	U		0.00807	0.0284	25	09/01/2017 01:57	WG1015912
Bromodichloromethane	U		0.00722	0.0284	25	09/01/2017 01:57	WG1015912
Bromochloromethane	U		0.0111	0.142	25	09/01/2017 01:57	WG1015912
Bromoform	U UJ	J0	0.0120	0.0284	25	09/01/2017 01:57	WG1015912
Bromomethane	U		0.0381	0.142	25	09/01/2017 01:57	WG1015912
n-Butylbenzene	U		0.00733	0.0284	25	09/01/2017 01:57	WG1015912
sec-Butylbenzene	U		0.00570	0.0284	25	09/01/2017 01:57	WG1015912
tert-Butylbenzene	U		0.00585	0.0284	25	09/01/2017 01:57	WG1015912
Carbon disulfide	U		0.00627	0.0284	25	09/01/2017 01:57	WG1015912
Carbon tetrachloride	U		0.00932	0.0284	25	09/01/2017 01:57	WG1015912
Chlorobenzene	U		0.00602	0.0284	25	09/01/2017 01:57	WG1015912
Chlorodibromomethane	U		0.0106	0.0284	25	09/01/2017 01:57	WG1015912
Chloroethane	U		0.0268	0.142	25	09/01/2017 01:57	WG1015912
Chloroform	U		0.00650	0.142	25	09/01/2017 01:57	WG1015912
Chloromethane	U		0.0107	0.0710	25	09/01/2017 01:57	WG1015912
2-Chlorotoluene	U		0.00854	0.0284	25	09/01/2017 01:57	WG1015912
4-Chlorotoluene	U		0.00682	0.0284	25	09/01/2017 01:57	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.0298	0.142	25	09/01/2017 01:57	WG1015912
1,2-Dibromoethane	U		0.00975	0.0284	25	09/01/2017 01:57	WG1015912
Dibromomethane	U		0.0109	0.0284	25	09/01/2017 01:57	WG1015912
1,2-Dichlorobenzene	U		0.00866	0.0284	25	09/01/2017 01:57	WG1015912
1,3-Dichlorobenzene	U		0.00679	0.0284	25	09/01/2017 01:57	WG1015912
1,4-Dichlorobenzene	U		0.00642	0.0284	25	09/01/2017 01:57	WG1015912
Dichlorodifluoromethane	U		0.0202	0.142	25	09/01/2017 01:57	WG1015912
1,1-Dichloroethane	U		0.00566	0.0284	25	09/01/2017 01:57	WG1015912
1,2-Dichloroethane	U		0.00752	0.0284	25	09/01/2017 01:57	WG1015912
1,1-Dichloroethene	U		0.00861	0.0284	25	09/01/2017 01:57	WG1015912
cis-1,2-Dichloroethene	0.0557		0.00668	0.0284	25	09/01/2017 01:57	WG1015912
trans-1,2-Dichloroethene	U		0.00750	0.0284	25	09/01/2017 01:57	WG1015912
1,2-Dichloropropane	U		0.0102	0.0284	25	09/01/2017 01:57	WG1015912
1,1-Dichloropropene	U		0.00900	0.0284	25	09/01/2017 01:57	WG1015912
1,3-Dichloropropane	U		0.00589	0.0284	25	09/01/2017 01:57	WG1015912
cis-1,3-Dichloropropene	U		0.00744	0.0284	25	09/01/2017 01:57	WG1015912
trans-1,3-Dichloropropene	U		0.00759	0.0284	25	09/01/2017 01:57	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.0220	0.0710	25	09/01/2017 01:57	WG1015912
2,2-Dichloropropane	U		0.00793	0.0284	25	09/01/2017 01:57	WG1015912
Di-isopropyl ether	U		0.00704	0.0284	25	09/01/2017 01:57	WG1015912
Ethylbenzene	U		0.00843	0.0284	25	09/01/2017 01:57	WG1015912
Hexachloro-1,3-butadiene	U		0.00971	0.0284	25	09/02/2017 16:11	WG1015912
2-Hexanone	U UJ	J0	0.0389	0.284	25	09/01/2017 01:57	WG1015912
n-Hexane	U		0.00824	0.284	25	09/01/2017 01:57	WG1015912

Volatile Organic Compounds (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		0.0718	0.284	25	09/01/2017 01:57	WG1015912
Isopropylbenzene	U		0.00691	0.0284	25	09/01/2017 01:57	WG1015912
p-Isopropyltoluene	U		0.00579	0.0284	25	09/01/2017 01:57	WG1015912
2-Butanone (MEK)	U	UJ J0	0.133	0.284	25	09/01/2017 01:57	WG1015912
Methylene Chloride	U		0.0284	0.142	25	09/01/2017 01:57	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.0534	0.284	25	09/01/2017 01:57	WG1015912
Methyl tert-butyl ether	U		0.00602	0.0284	25	09/01/2017 01:57	WG1015912
Naphthalene	U		0.0284	0.142	25	09/01/2017 01:57	WG1015912
n-Propylbenzene	U		0.00585	0.0284	25	09/01/2017 01:57	WG1015912
Styrene	U		0.00665	0.0284	25	09/01/2017 01:57	WG1015912
1,1,1,2-Tetrachloroethane	U		0.00750	0.0284	25	09/01/2017 01:57	WG1015912
1,1,2,2-Tetrachloroethane	U		0.0104	0.0284	25	09/01/2017 01:57	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0284	25	09/01/2017 01:57	WG1015912
Tetrachloroethene	0.109		0.00784	0.0284	25	09/01/2017 01:57	WG1015912
Toluene	U		0.0123	0.142	25	09/01/2017 01:57	WG1015912
1,2,3-Trichlorobenzene	U		0.00869	0.0284	25	09/01/2017 01:57	WG1015912
1,2,4-Trichlorobenzene	U		0.0110	0.0284	25	09/01/2017 01:57	WG1015912
1,1,1-Trichloroethane	U		0.00812	0.0284	25	09/01/2017 01:57	WG1015912
1,1,2-Trichloroethane	U		0.00786	0.0284	25	09/01/2017 01:57	WG1015912
Trichloroethene	0.0373		0.00793	0.0284	25	09/01/2017 01:57	WG1015912
Trichlorofluoromethane	U		0.0109	0.142	25	09/01/2017 01:57	WG1015912
1,2,3-Trichloropropane	U		0.0210	0.0710	25	09/01/2017 01:57	WG1015912
1,2,4-Trimethylbenzene	U		0.00600	0.0284	25	09/01/2017 01:57	WG1015912
1,2,3-Trimethylbenzene	U		0.00816	0.0284	25	09/01/2017 01:57	WG1015912
1,3,5-Trimethylbenzene	U		0.00756	0.0284	25	09/01/2017 01:57	WG1015912
Vinyl acetate	U		0.0679	0.284	25	09/01/2017 01:57	WG1015912
Vinyl chloride	U		0.00827	0.0284	25	09/01/2017 01:57	WG1015912
Xylenes, Total	U		0.0198	0.0852	25	09/01/2017 01:57	WG1015912
(S) Toluene-d8	*107*			*80.0-120*		*09/01/2017 01:57*	WG1015912
(S) Toluene-d8	*108*			*80.0-120*		*09/02/2017 16:11*	WG1015912
(S) Dibromofluoromethane	*89.0*			*74.0-131*		*09/01/2017 01:57*	WG1015912
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*09/02/2017 16:11*	WG1015912
(S) 4-Bromofluorobenzene	*99.1*			*64.0-132*		*09/01/2017 01:57*	WG1015912
(S) 4-Bromofluorobenzene	*92.5*			*64.0-132*		*09/02/2017 16:11*	WG1015912

Sample Narrative:

L932260-09 WG1015912: Cannot analyze at a lower dilution. No more low level sodium bisulfite vials remaining.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.6		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/MS) 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	0.0130	0.0652	1	09/01/2017 02:15	WG1015912
Acrylonitrile	U		0.00234	0.0130	1	09/01/2017 02:15	WG1015912
Benzene	U		0.000352	0.00130	1	09/01/2017 02:15	WG1015912
Bromobenzene	U		0.000371	0.00130	1	09/01/2017 02:15	WG1015912
Bromodichloromethane	U		0.000331	0.00130	1	09/01/2017 02:15	WG1015912
Bromochloromethane	U		0.000509	0.00652	1	09/01/2017 02:15	WG1015912
Bromoform	U UJ	J0	0.000553	0.00130	1	09/01/2017 02:15	WG1015912
Bromomethane	U		0.00175	0.00652	1	09/01/2017 02:15	WG1015912
n-Butylbenzene	U		0.000337	0.00130	1	09/01/2017 02:15	WG1015912
sec-Butylbenzene	U		0.000262	0.00130	1	09/01/2017 02:15	WG1015912
tert-Butylbenzene	U		0.000269	0.00130	1	09/01/2017 02:15	WG1015912
Carbon disulfide	0.000410 J	J	0.000288	0.00130	1	09/01/2017 02:15	WG1015912
Carbon tetrachloride	U		0.000428	0.00130	1	09/01/2017 02:15	WG1015912
Chlorobenzene	U		0.000277	0.00130	1	09/01/2017 02:15	WG1015912
Chlorodibromomethane	U		0.000487	0.00130	1	09/01/2017 02:15	WG1015912
Chloroethane	U		0.00123	0.00652	1	09/01/2017 02:15	WG1015912
Chloroform	U		0.000299	0.00652	1	09/01/2017 02:15	WG1015912
Chloromethane	U		0.000489	0.00326	1	09/01/2017 02:15	WG1015912
2-Chlorotoluene	U		0.000393	0.00130	1	09/01/2017 02:15	WG1015912
4-Chlorotoluene	U		0.000313	0.00130	1	09/01/2017 02:15	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00137	0.00652	1	09/01/2017 02:15	WG1015912
1,2-Dibromoethane	U		0.000447	0.00130	1	09/01/2017 02:15	WG1015912
Dibromomethane	U		0.000498	0.00130	1	09/01/2017 02:15	WG1015912
1,2-Dichlorobenzene	U		0.000398	0.00130	1	09/01/2017 02:15	WG1015912
1,3-Dichlorobenzene	U		0.000312	0.00130	1	09/01/2017 02:15	WG1015912
1,4-Dichlorobenzene	U		0.000295	0.00130	1	09/01/2017 02:15	WG1015912
Dichlorodifluoromethane	U		0.000930	0.00652	1	09/01/2017 02:15	WG1015912
1,1-Dichloroethane	U		0.000260	0.00130	1	09/01/2017 02:15	WG1015912
1,2-Dichloroethane	U		0.000346	0.00130	1	09/01/2017 02:15	WG1015912
1,1-Dichloroethene	U		0.000395	0.00130	1	09/01/2017 02:15	WG1015912
cis-1,2-Dichloroethene	U		0.000307	0.00130	1	09/01/2017 02:15	WG1015912
trans-1,2-Dichloroethene	U		0.000344	0.00130	1	09/01/2017 02:15	WG1015912
1,2-Dichloropropane	U		0.000467	0.00130	1	09/01/2017 02:15	WG1015912
1,1-Dichloropropene	U		0.000414	0.00130	1	09/01/2017 02:15	WG1015912
1,3-Dichloropropane	U		0.000270	0.00130	1	09/01/2017 02:15	WG1015912
cis-1,3-Dichloropropene	U		0.000342	0.00130	1	09/01/2017 02:15	WG1015912
trans-1,3-Dichloropropene	U		0.000348	0.00130	1	09/01/2017 02:15	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.00102	0.00326	1	09/01/2017 02:15	WG1015912
2,2-Dichloropropane	U		0.000364	0.00130	1	09/01/2017 02:15	WG1015912
Di-isopropyl ether	U		0.000324	0.00130	1	09/01/2017 02:15	WG1015912
Ethylbenzene	U		0.000387	0.00130	1	09/01/2017 02:15	WG1015912
Hexachloro-1,3-butadiene	U		0.000446	0.00130	1	09/02/2017 16:32	WG1015912
2-Hexanone	U UJ	J0	0.00179	0.0130	1	09/01/2017 02:15	WG1015912
n-Hexane	0.00124 J	J	0.000378	0.0130	1	09/01/2017 02:15	WG1015912
Iodomethane	U		0.00330	0.0130	1	09/01/2017 02:15	WG1015912
Isopropylbenzene	U		0.000317	0.00130	1	09/01/2017 02:15	WG1015912
p-Isopropyltoluene	U		0.000266	0.00130	1	09/01/2017 02:15	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00611	0.0130	1	09/01/2017 02:15	WG1015912
Methylene Chloride	U		0.00130	0.00652	1	09/01/2017 02:15	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00245	0.0130	1	09/01/2017 02:15	WG1015912

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000277	0.00130	1	09/01/2017 02:15	WG1015912
Naphthalene	U		0.00130	0.00652	1	09/01/2017 02:15	WG1015912
n-Propylbenzene	U		0.000269	0.00130	1	09/01/2017 02:15	WG1015912
Styrene	U		0.000305	0.00130	1	09/01/2017 02:15	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000344	0.00130	1	09/01/2017 02:15	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000476	0.00130	1	09/01/2017 02:15	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000476	0.00130	1	09/01/2017 02:15	WG1015912
Tetrachloroethene	U		0.000360	0.00130	1	09/01/2017 02:15	WG1015912
Toluene	U		0.000566	0.00652	1	09/01/2017 02:15	WG1015912
1,2,3-Trichlorobenzene	U		0.000399	0.00130	1	09/01/2017 02:15	WG1015912
1,2,4-Trichlorobenzene	U		0.000506	0.00130	1	09/01/2017 02:15	WG1015912
1,1,1-Trichloroethane	U		0.000373	0.00130	1	09/01/2017 02:15	WG1015912
1,1,2-Trichloroethane	U		0.000361	0.00130	1	09/01/2017 02:15	WG1015912
Trichloroethene	U		0.000364	0.00130	1	09/01/2017 02:15	WG1015912
Trichlorofluoromethane	U		0.000498	0.00652	1	09/01/2017 02:15	WG1015912
1,2,3-Trichloropropane	U		0.000967	0.00326	1	09/01/2017 02:15	WG1015912
1,2,4-Trimethylbenzene	U		0.000275	0.00130	1	09/01/2017 02:15	WG1015912
1,2,3-Trimethylbenzene	U		0.000374	0.00130	1	09/01/2017 02:15	WG1015912
1,3,5-Trimethylbenzene	U		0.000347	0.00130	1	09/01/2017 02:15	WG1015912
Vinyl acetate	U		0.00312	0.0130	1	09/01/2017 02:15	WG1015912
Vinyl chloride	U		0.000380	0.00130	1	09/01/2017 02:15	WG1015912
Xylenes, Total	U		0.000911	0.00391	1	09/01/2017 02:15	WG1015912
(S) Toluene-d8	*98.1*			*80.0-120*		*09/01/2017 02:15*	WG1015912
(S) Toluene-d8	*99.8*			*80.0-120*		*09/02/2017 16:32*	WG1015912
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/01/2017 02:15*	WG1015912
(S) Dibromofluoromethane	*93.8*			*74.0-131*		*09/02/2017 16:32*	WG1015912
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*		*09/02/2017 16:32*	WG1015912
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*09/01/2017 02:15*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	08/31/2017 11:22	WG1015509

Volatile Organic Compounds (GC/MS) 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	09/01/2017 02:32	WG1015912
Acrylonitrile	U		0.00205	0.0115	1	09/01/2017 02:32	WG1015912
Benzene	U		0.000310	0.00115	1	09/01/2017 02:32	WG1015912
Bromobenzene	U		0.000326	0.00115	1	09/01/2017 02:32	WG1015912
Bromodichloromethane	U		0.000292	0.00115	1	09/01/2017 02:32	WG1015912
Bromochloromethane	U		0.000448	0.00574	1	09/01/2017 02:32	WG1015912
Bromoform	U UJ	J0	0.000487	0.00115	1	09/01/2017 02:32	WG1015912
Bromomethane	U		0.00154	0.00574	1	09/01/2017 02:32	WG1015912
n-Butylbenzene	U		0.000296	0.00115	1	09/01/2017 02:32	WG1015912
sec-Butylbenzene	U		0.000231	0.00115	1	09/01/2017 02:32	WG1015912
tert-Butylbenzene	U		0.000236	0.00115	1	09/01/2017 02:32	WG1015912
Carbon disulfide	0.00176		0.000254	0.00115	1	09/01/2017 02:32	WG1015912
Carbon tetrachloride	U		0.000376	0.00115	1	09/01/2017 02:32	WG1015912
Chlorobenzene	U		0.000243	0.00115	1	09/01/2017 02:32	WG1015912
Chlorodibromomethane	U		0.000428	0.00115	1	09/01/2017 02:32	WG1015912
Chloroethane	U		0.00109	0.00574	1	09/01/2017 02:32	WG1015912
Chloroform	U		0.000263	0.00574	1	09/01/2017 02:32	WG1015912
Chloromethane	U		0.000430	0.00287	1	09/01/2017 02:32	WG1015912
2-Chlorotoluene	U		0.000346	0.00115	1	09/01/2017 02:32	WG1015912
4-Chlorotoluene	U		0.000275	0.00115	1	09/01/2017 02:32	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	09/01/2017 02:32	WG1015912
1,2-Dibromoethane	U		0.000394	0.00115	1	09/01/2017 02:32	WG1015912
Dibromomethane	U		0.000438	0.00115	1	09/01/2017 02:32	WG1015912
1,2-Dichlorobenzene	U		0.000350	0.00115	1	09/01/2017 02:32	WG1015912
1,3-Dichlorobenzene	U		0.000274	0.00115	1	09/01/2017 02:32	WG1015912
1,4-Dichlorobenzene	U		0.000259	0.00115	1	09/01/2017 02:32	WG1015912
Dichlorodifluoromethane	U		0.000818	0.00574	1	09/01/2017 02:32	WG1015912
1,1-Dichloroethane	U		0.000228	0.00115	1	09/01/2017 02:32	WG1015912
1,2-Dichloroethane	U		0.000304	0.00115	1	09/01/2017 02:32	WG1015912
1,1-Dichloroethene	U		0.000348	0.00115	1	09/01/2017 02:32	WG1015912
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	09/01/2017 02:32	WG1015912
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	09/01/2017 02:32	WG1015912
1,2-Dichloropropane	U		0.000411	0.00115	1	09/01/2017 02:32	WG1015912
1,1-Dichloropropene	U		0.000364	0.00115	1	09/01/2017 02:32	WG1015912
1,3-Dichloropropane	U		0.000238	0.00115	1	09/01/2017 02:32	WG1015912
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	09/01/2017 02:32	WG1015912
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	09/01/2017 02:32	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000893	0.00287	1	09/01/2017 02:32	WG1015912
2,2-Dichloropropane	U		0.000320	0.00115	1	09/01/2017 02:32	WG1015912
Di-isopropyl ether	U		0.000285	0.00115	1	09/01/2017 02:32	WG1015912
Ethylbenzene	U		0.000341	0.00115	1	09/01/2017 02:32	WG1015912
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	09/02/2017 16:52	WG1015912
2-Hexanone	U UJ	J0	0.00157	0.0115	1	09/01/2017 02:32	WG1015912
n-Hexane	U		0.000333	0.0115	1	09/01/2017 02:32	WG1015912
Iodomethane	U		0.00290	0.0115	1	09/01/2017 02:32	WG1015912
Isopropylbenzene	U		0.000279	0.00115	1	09/01/2017 02:32	WG1015912
p-Isopropyltoluene	U		0.000234	0.00115	1	09/01/2017 02:32	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00537	0.0115	1	09/01/2017 02:32	WG1015912
Methylene Chloride	U		0.00115	0.00574	1	09/01/2017 02:32	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/01/2017 02:32	WG1015912

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

Analyte	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	09/01/2017 02:32	WG1015912
Naphthalene	U		0.00115	0.00574	1	09/01/2017 02:32	WG1015912
n-Propylbenzene	U		0.000236	0.00115	1	09/01/2017 02:32	WG1015912
Styrene	U		0.000269	0.00115	1	09/01/2017 02:32	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	09/01/2017 02:32	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	09/01/2017 02:32	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	09/01/2017 02:32	WG1015912
Tetrachloroethene	U		0.000317	0.00115	1	09/01/2017 02:32	WG1015912
Toluene	U		0.000498	0.00574	1	09/01/2017 02:32	WG1015912
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	09/01/2017 02:32	WG1015912
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	09/01/2017 02:32	WG1015912
1,1,1-Trichloroethane	U		0.000328	0.00115	1	09/01/2017 02:32	WG1015912
1,1,2-Trichloroethane	U		0.000318	0.00115	1	09/01/2017 02:32	WG1015912
Trichloroethene	U		0.000320	0.00115	1	09/01/2017 02:32	WG1015912
Trichlorofluoromethane	U		0.000438	0.00574	1	09/01/2017 02:32	WG1015912
1,2,3-Trichloropropane	U		0.000851	0.00287	1	09/01/2017 02:32	WG1015912
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	09/01/2017 02:32	WG1015912
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	09/01/2017 02:32	WG1015912
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	09/01/2017 02:32	WG1015912
Vinyl acetate	U		0.00274	0.0115	1	09/01/2017 02:32	WG1015912
Vinyl chloride	U		0.000334	0.00115	1	09/01/2017 02:32	WG1015912
Xylenes, Total	U		0.000801	0.00344	1	09/01/2017 02:32	WG1015912
(S) Toluene-d8	*103*			*80.0-120*		*09/02/2017 16:52*	WG1015912
(S) Toluene-d8	*95.0*			*80.0-120*		*09/01/2017 02:32*	WG1015912
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 02:32*	WG1015912
(S) Dibromofluoromethane	*94.4*			*74.0-131*		*09/02/2017 16:52*	WG1015912
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/01/2017 02:32*	WG1015912
(S) 4-Bromofluorobenzene	*86.8*			*64.0-132*		*09/02/2017 16:52*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	08/31/2017 15:04	WG1015695

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.24		0.0384	0.113	1	08/29/2017 21:32	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-120*		*08/29/2017 21:32*	WG1014832

Volatile Organic Compounds (GC/MS) 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	09/01/2017 02:49	WG1015912
Acrylonitrile	U		0.00203	0.0113	1	09/01/2017 02:49	WG1015912
Benzene	U		0.000306	0.00113	1	09/01/2017 02:49	WG1015912
Bromobenzene	U		0.000322	0.00113	1	09/01/2017 02:49	WG1015912
Bromodichloromethane	U		0.000288	0.00113	1	09/01/2017 02:49	WG1015912
Bromochloromethane	U		0.000442	0.00566	1	09/01/2017 02:49	WG1015912
Bromoform	U UJ	J0	0.000480	0.00113	1	09/01/2017 02:49	WG1015912
Bromomethane	U		0.00152	0.00566	1	09/01/2017 02:49	WG1015912
n-Butylbenzene	U		0.000292	0.00113	1	09/01/2017 02:49	WG1015912
sec-Butylbenzene	U		0.000228	0.00113	1	09/01/2017 02:49	WG1015912
tert-Butylbenzene	U		0.000233	0.00113	1	09/01/2017 02:49	WG1015912
Carbon disulfide	0.000483 J	J	0.000250	0.00113	1	09/01/2017 02:49	WG1015912
Carbon tetrachloride	U		0.000371	0.00113	1	09/01/2017 02:49	WG1015912
Chlorobenzene	U		0.000240	0.00113	1	09/01/2017 02:49	WG1015912
Chlorodibromomethane	U		0.000422	0.00113	1	09/01/2017 02:49	WG1015912
Chloroethane	U		0.00107	0.00566	1	09/01/2017 02:49	WG1015912
Chloroform	U		0.000259	0.00566	1	09/01/2017 02:49	WG1015912
Chloromethane	U		0.000425	0.00283	1	09/01/2017 02:49	WG1015912
2-Chlorotoluene	U		0.000341	0.00113	1	09/01/2017 02:49	WG1015912
4-Chlorotoluene	U		0.000272	0.00113	1	09/01/2017 02:49	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00566	1	09/01/2017 02:49	WG1015912
1,2-Dibromoethane	U		0.000388	0.00113	1	09/01/2017 02:49	WG1015912
Dibromomethane	U		0.000433	0.00113	1	09/01/2017 02:49	WG1015912
1,2-Dichlorobenzene	U		0.000345	0.00113	1	09/01/2017 02:49	WG1015912
1,3-Dichlorobenzene	U		0.000271	0.00113	1	09/01/2017 02:49	WG1015912
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/01/2017 02:49	WG1015912
Dichlorodifluoromethane	U		0.000807	0.00566	1	09/01/2017 02:49	WG1015912
1,1-Dichloroethane	U		0.000225	0.00113	1	09/01/2017 02:49	WG1015912
1,2-Dichloroethane	U		0.000300	0.00113	1	09/01/2017 02:49	WG1015912
1,1-Dichloroethene	0.00404		0.000343	0.00113	1	09/01/2017 02:49	WG1015912
cis-1,2-Dichloroethene	6.93		0.0134	0.0566	50	09/02/2017 17:13	WG1015912
trans-1,2-Dichloroethene	0.0224		0.000299	0.00113	1	09/01/2017 02:49	WG1015912
1,2-Dichloropropane	U		0.000405	0.00113	1	09/01/2017 02:49	WG1015912
1,1-Dichloropropene	U		0.000359	0.00113	1	09/01/2017 02:49	WG1015912
1,3-Dichloropropane	U		0.000234	0.00113	1	09/01/2017 02:49	WG1015912
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	09/01/2017 02:49	WG1015912
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	09/01/2017 02:49	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000881	0.00283	1	09/01/2017 02:49	WG1015912
2,2-Dichloropropane	U		0.000316	0.00113	1	09/01/2017 02:49	WG1015912
Di-isopropyl ether	U		0.000281	0.00113	1	09/01/2017 02:49	WG1015912
Ethylbenzene	U		0.000336	0.00113	1	09/01/2017 02:49	WG1015912
Hexachloro-1,3-butadiene	U		0.0194	0.0566	50	09/02/2017 17:13	WG1015912
2-Hexanone	U UJ	J0	0.00155	0.0113	1	09/01/2017 02:49	WG1015912
n-Hexane	U		0.000328	0.0113	1	09/01/2017 02:49	WG1015912

Volatile Organic Compounds (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	09/01/2017 02:49	WG1015912
Isopropylbenzene	U		0.000275	0.00113	1	09/01/2017 02:49	WG1015912
p-Isopropyltoluene	U		0.000231	0.00113	1	09/01/2017 02:49	WG1015912
2-Butanone (MEK)	U	UJ J0	0.00530	0.0113	1	09/01/2017 02:49	WG1015912
Methylene Chloride	U		0.00113	0.00566	1	09/01/2017 02:49	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	09/01/2017 02:49	WG1015912
Methyl tert-butyl ether	U		0.000240	0.00113	1	09/01/2017 02:49	WG1015912
Naphthalene	U		0.00113	0.00566	1	09/01/2017 02:49	WG1015912
n-Propylbenzene	U		0.000233	0.00113	1	09/01/2017 02:49	WG1015912
Styrene	U		0.000265	0.00113	1	09/01/2017 02:49	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	09/01/2017 02:49	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	09/01/2017 02:49	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	09/01/2017 02:49	WG1015912
Tetrachloroethene	0.00152		0.000313	0.00113	1	09/01/2017 02:49	WG1015912
Toluene	U		0.000491	0.00566	1	09/01/2017 02:49	WG1015912
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	09/01/2017 02:49	WG1015912
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	09/01/2017 02:49	WG1015912
1,1,1-Trichloroethane	U		0.000324	0.00113	1	09/01/2017 02:49	WG1015912
1,1,2-Trichloroethane	U		0.000314	0.00113	1	09/01/2017 02:49	WG1015912
Trichloroethene	U		0.000316	0.00113	1	09/01/2017 02:49	WG1015912
Trichlorofluoromethane	U		0.000433	0.00566	1	09/01/2017 02:49	WG1015912
1,2,3-Trichloropropane	U		0.000839	0.00283	1	09/01/2017 02:49	WG1015912
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	09/01/2017 02:49	WG1015912
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	09/01/2017 02:49	WG1015912
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	09/01/2017 02:49	WG1015912
Vinyl acetate	U		0.00271	0.0113	1	09/01/2017 02:49	WG1015912
Vinyl chloride	0.428		0.0165	0.0566	50	09/02/2017 17:13	WG1015912
Xylenes, Total	U		0.000790	0.00340	1	09/01/2017 02:49	WG1015912
(S) Toluene-d8	*110*			*80.0-120*		*09/02/2017 17:13*	WG1015912
(S) Toluene-d8	*94.4*			*80.0-120*		*09/01/2017 02:49*	WG1015912
(S) Dibromofluoromethane	*88.7*			*74.0-131*		*09/02/2017 17:13*	WG1015912
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/01/2017 02:49*	WG1015912
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*09/01/2017 02:49*	WG1015912
(S) 4-Bromofluorobenzene	*88.4*			*64.0-132*		*09/02/2017 17:13*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	08/31/2017 15:04	WG1015695

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	0.727		0.0378	0.112	1	08/29/2017 21:54	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*77.0-120*		*08/29/2017 21:54*	WG1014832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0169 J	J J0	0.0112	0.0558	1	09/01/2017 05:25	WG1015912
Acrylonitrile	U		0.00200	0.0112	1	09/01/2017 05:25	WG1015912
Benzene	0.000397 J	J	0.000301	0.00112	1	09/01/2017 05:25	WG1015912
Bromobenzene	U		0.000317	0.00112	1	09/01/2017 05:25	WG1015912
Bromodichloromethane	U		0.000283	0.00112	1	09/01/2017 05:25	WG1015912
Bromochloromethane	U		0.000435	0.00558	1	09/01/2017 05:25	WG1015912
Bromoform	U UJ	J0	0.000473	0.00112	1	09/01/2017 05:25	WG1015912
Bromomethane	U		0.00149	0.00558	1	09/01/2017 05:25	WG1015912
n-Butylbenzene	U		0.000288	0.00112	1	09/01/2017 05:25	WG1015912
sec-Butylbenzene	U		0.000224	0.00112	1	09/01/2017 05:25	WG1015912
tert-Butylbenzene	U		0.000230	0.00112	1	09/01/2017 05:25	WG1015912
Carbon disulfide	0.00478		0.000247	0.00112	1	09/01/2017 05:25	WG1015912
Carbon tetrachloride	U		0.000366	0.00112	1	09/01/2017 05:25	WG1015912
Chlorobenzene	U		0.000236	0.00112	1	09/01/2017 05:25	WG1015912
Chlorodibromomethane	U		0.000416	0.00112	1	09/01/2017 05:25	WG1015912
Chloroethane	U		0.00106	0.00558	1	09/01/2017 05:25	WG1015912
Chloroform	U		0.000255	0.00558	1	09/01/2017 05:25	WG1015912
Chloromethane	U		0.000418	0.00279	1	09/01/2017 05:25	WG1015912
2-Chlorotoluene	U		0.000336	0.00112	1	09/01/2017 05:25	WG1015912
4-Chlorotoluene	U		0.000268	0.00112	1	09/01/2017 05:25	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	09/01/2017 05:25	WG1015912
1,2-Dibromoethane	U		0.000383	0.00112	1	09/01/2017 05:25	WG1015912
Dibromomethane	U		0.000426	0.00112	1	09/01/2017 05:25	WG1015912
1,2-Dichlorobenzene	U		0.000340	0.00112	1	09/01/2017 05:25	WG1015912
1,3-Dichlorobenzene	U		0.000267	0.00112	1	09/01/2017 05:25	WG1015912
1,4-Dichlorobenzene	U		0.000252	0.00112	1	09/01/2017 05:25	WG1015912
Dichlorodifluoromethane	U		0.000795	0.00558	1	09/01/2017 05:25	WG1015912
1,1-Dichloroethane	U		0.000222	0.00112	1	09/01/2017 05:25	WG1015912
1,2-Dichloroethane	U		0.000296	0.00112	1	09/01/2017 05:25	WG1015912
1,1-Dichloroethene	0.000497 J	J	0.000338	0.00112	1	09/01/2017 05:25	WG1015912
cis-1,2-Dichloroethene	2.47		0.00656	0.0279	25	09/02/2017 17:33	WG1015912
trans-1,2-Dichloroethene	0.00359		0.000294	0.00112	1	09/01/2017 05:25	WG1015912
1,2-Dichloropropane	U		0.000399	0.00112	1	09/01/2017 05:25	WG1015912
1,1-Dichloropropene	U		0.000354	0.00112	1	09/01/2017 05:25	WG1015912
1,3-Dichloropropane	U		0.000231	0.00112	1	09/01/2017 05:25	WG1015912
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	09/01/2017 05:25	WG1015912
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	09/01/2017 05:25	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000868	0.00279	1	09/01/2017 05:25	WG1015912
2,2-Dichloropropane	U		0.000311	0.00112	1	09/01/2017 05:25	WG1015912
Di-isopropyl ether	U		0.000277	0.00112	1	09/01/2017 05:25	WG1015912
Ethylbenzene	U		0.000331	0.00112	1	09/01/2017 05:25	WG1015912
Hexachloro-1,3-butadiene	U		0.00954	0.0279	25	09/02/2017 17:33	WG1015912
2-Hexanone	U UJ	J0	0.00153	0.0112	1	09/01/2017 05:25	WG1015912
n-Hexane	0.0285		0.000323	0.0112	1	09/01/2017 05:25	WG1015912

Volatile Organic Compounds (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		0.00282	0.0112	1	09/01/2017 05:25	WG1015912
Isopropylbenzene	U		0.000271	0.00112	1	09/01/2017 05:25	WG1015912
p-Isopropyltoluene	U		0.000228	0.00112	1	09/01/2017 05:25	WG1015912
2-Butanone (MEK)	U	UJ J0	0.00522	0.0112	1	09/01/2017 05:25	WG1015912
Methylene Chloride	U		0.00112	0.00558	1	09/01/2017 05:25	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	09/01/2017 05:25	WG1015912
Methyl tert-butyl ether	U		0.000236	0.00112	1	09/01/2017 05:25	WG1015912
Naphthalene	U		0.00112	0.00558	1	09/01/2017 05:25	WG1015912
n-Propylbenzene	U		0.000230	0.00112	1	09/01/2017 05:25	WG1015912
Styrene	U		0.000261	0.00112	1	09/01/2017 05:25	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000294	0.00112	1	09/01/2017 05:25	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	09/01/2017 05:25	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	09/01/2017 05:25	WG1015912
Tetrachloroethene	0.0325		0.000308	0.00112	1	09/01/2017 05:25	WG1015912
Toluene	U		0.000484	0.00558	1	09/01/2017 05:25	WG1015912
1,2,3-Trichlorobenzene	U		0.000341	0.00112	1	09/01/2017 05:25	WG1015912
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	09/01/2017 05:25	WG1015912
1,1,1-Trichloroethane	U		0.000319	0.00112	1	09/01/2017 05:25	WG1015912
1,1,2-Trichloroethane	U		0.000309	0.00112	1	09/01/2017 05:25	WG1015912
Trichloroethene	0.00590		0.000311	0.00112	1	09/01/2017 05:25	WG1015912
Trichlorofluoromethane	U		0.000426	0.00558	1	09/01/2017 05:25	WG1015912
1,2,3-Trichloropropane	U		0.000827	0.00279	1	09/01/2017 05:25	WG1015912
1,2,4-Trimethylbenzene	U		0.000235	0.00112	1	09/01/2017 05:25	WG1015912
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	09/01/2017 05:25	WG1015912
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	09/01/2017 05:25	WG1015912
Vinyl acetate	U		0.00267	0.0112	1	09/01/2017 05:25	WG1015912
Vinyl chloride	0.0261		0.000325	0.00112	1	09/01/2017 05:25	WG1015912
Xylenes, Total	U		0.000779	0.00335	1	09/01/2017 05:25	WG1015912
(S) Toluene-d8	*92.2*			*80.0-120*		*09/01/2017 05:25*	WG1015912
(S) Toluene-d8	*111*			*80.0-120*		*09/02/2017 17:33*	WG1015912
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/01/2017 05:25*	WG1015912
(S) Dibromofluoromethane	*89.7*			*74.0-131*		*09/02/2017 17:33*	WG1015912
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*09/01/2017 05:25*	WG1015912
(S) 4-Bromofluorobenzene	*88.7*			*64.0-132*		*09/02/2017 17:33*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	08/31/2017 14:27	WG1015511

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0533	1	09/01/2017 05:43	WG1015912
Acrylonitrile	U		0.00191	0.0107	1	09/01/2017 05:43	WG1015912
Benzene	U		0.000288	0.00107	1	09/01/2017 05:43	WG1015912
Bromobenzene	U		0.000303	0.00107	1	09/01/2017 05:43	WG1015912
Bromodichloromethane	U		0.000271	0.00107	1	09/01/2017 05:43	WG1015912
Bromochloromethane	U		0.000416	0.00533	1	09/01/2017 05:43	WG1015912
Bromoform	U UJ	J0	0.000452	0.00107	1	09/01/2017 05:43	WG1015912
Bromomethane	U		0.00143	0.00533	1	09/01/2017 05:43	WG1015912
n-Butylbenzene	U		0.000275	0.00107	1	09/01/2017 05:43	WG1015912
sec-Butylbenzene	U		0.000214	0.00107	1	09/01/2017 05:43	WG1015912
tert-Butylbenzene	U		0.000220	0.00107	1	09/01/2017 05:43	WG1015912
Carbon disulfide	0.00130		0.000235	0.00107	1	09/01/2017 05:43	WG1015912
Carbon tetrachloride	U		0.000350	0.00107	1	09/01/2017 05:43	WG1015912
Chlorobenzene	U		0.000226	0.00107	1	09/01/2017 05:43	WG1015912
Chlorodibromomethane	U		0.000397	0.00107	1	09/01/2017 05:43	WG1015912
Chloroethane	U		0.00101	0.00533	1	09/01/2017 05:43	WG1015912
Chloroform	U		0.000244	0.00533	1	09/01/2017 05:43	WG1015912
Chloromethane	U		0.000400	0.00266	1	09/01/2017 05:43	WG1015912
2-Chlorotoluene	U		0.000321	0.00107	1	09/01/2017 05:43	WG1015912
4-Chlorotoluene	U		0.000256	0.00107	1	09/01/2017 05:43	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00533	1	09/01/2017 05:43	WG1015912
1,2-Dibromoethane	U		0.000366	0.00107	1	09/01/2017 05:43	WG1015912
Dibromomethane	U		0.000407	0.00107	1	09/01/2017 05:43	WG1015912
1,2-Dichlorobenzene	U		0.000325	0.00107	1	09/01/2017 05:43	WG1015912
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/01/2017 05:43	WG1015912
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/01/2017 05:43	WG1015912
Dichlorodifluoromethane	U		0.000760	0.00533	1	09/01/2017 05:43	WG1015912
1,1-Dichloroethane	U		0.000212	0.00107	1	09/01/2017 05:43	WG1015912
1,2-Dichloroethane	U		0.000282	0.00107	1	09/01/2017 05:43	WG1015912
1,1-Dichloroethene	U		0.000323	0.00107	1	09/01/2017 05:43	WG1015912
cis-1,2-Dichloroethene	U		0.000323	0.00137	1.29	09/02/2017 17:54	WG1015912
trans-1,2-Dichloroethene	U		0.000281	0.00107	1	09/01/2017 05:43	WG1015912
1,2-Dichloropropane	U		0.000381	0.00107	1	09/01/2017 05:43	WG1015912
1,1-Dichloropropene	U		0.000338	0.00107	1	09/01/2017 05:43	WG1015912
1,3-Dichloropropane	U		0.000221	0.00107	1	09/01/2017 05:43	WG1015912
cis-1,3-Dichloropropene	U		0.000279	0.00107	1	09/01/2017 05:43	WG1015912
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/01/2017 05:43	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000829	0.00266	1	09/01/2017 05:43	WG1015912
2,2-Dichloropropane	U		0.000297	0.00107	1	09/01/2017 05:43	WG1015912
Di-isopropyl ether	U		0.000264	0.00107	1	09/01/2017 05:43	WG1015912
Ethylbenzene	U		0.000316	0.00107	1	09/01/2017 05:43	WG1015912
Hexachloro-1,3-butadiene	U		0.000470	0.00137	1.29	09/02/2017 17:54	WG1015912
2-Hexanone	U UJ	J0	0.00146	0.0107	1	09/01/2017 05:43	WG1015912
n-Hexane	0.00194 J	J	0.000309	0.0107	1	09/01/2017 05:43	WG1015912
Iodomethane	U		0.00270	0.0107	1	09/01/2017 05:43	WG1015912
Isopropylbenzene	U		0.000259	0.00107	1	09/01/2017 05:43	WG1015912
p-Isopropyltoluene	U		0.000217	0.00107	1	09/01/2017 05:43	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00499	0.0107	1	09/01/2017 05:43	WG1015912
Methylene Chloride	U		0.00107	0.00533	1	09/01/2017 05:43	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0107	1	09/01/2017 05:43	WG1015912

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00107	1	09/01/2017 05:43	WG1015912
Naphthalene	U		0.00107	0.00533	1	09/01/2017 05:43	WG1015912
n-Propylbenzene	U		0.000220	0.00107	1	09/01/2017 05:43	WG1015912
Styrene	U		0.000249	0.00107	1	09/01/2017 05:43	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000281	0.00107	1	09/01/2017 05:43	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000389	0.00107	1	09/01/2017 05:43	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000389	0.00107	1	09/01/2017 05:43	WG1015912
Tetrachloroethene	0.000322 J	J	0.000294	0.00107	1	09/01/2017 05:43	WG1015912
Toluene	U		0.000462	0.00533	1	09/01/2017 05:43	WG1015912
1,2,3-Trichlorobenzene	U		0.000326	0.00107	1	09/01/2017 05:43	WG1015912
1,2,4-Trichlorobenzene	U		0.000413	0.00107	1	09/01/2017 05:43	WG1015912
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/01/2017 05:43	WG1015912
1,1,2-Trichloroethane	U		0.000295	0.00107	1	09/01/2017 05:43	WG1015912
Trichloroethene	U		0.000297	0.00107	1	09/01/2017 05:43	WG1015912
Trichlorofluoromethane	U		0.000407	0.00533	1	09/01/2017 05:43	WG1015912
1,2,3-Trichloropropane	U		0.000790	0.00266	1	09/01/2017 05:43	WG1015912
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/01/2017 05:43	WG1015912
1,2,3-Trimethylbenzene	U		0.000306	0.00107	1	09/01/2017 05:43	WG1015912
1,3,5-Trimethylbenzene	U		0.000283	0.00107	1	09/01/2017 05:43	WG1015912
Vinyl acetate	U		0.00255	0.0107	1	09/01/2017 05:43	WG1015912
Vinyl chloride	U		0.000310	0.00107	1	09/01/2017 05:43	WG1015912
Xylenes, Total	U		0.000744	0.00320	1	09/01/2017 05:43	WG1015912
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 17:54*	WG1015912
(S) Toluene-d8	*98.2*			*80.0-120*		*09/01/2017 05:43*	WG1015912
(S) Dibromofluoromethane	*94.0*			*74.0-131*		*09/02/2017 17:54*	WG1015912
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/01/2017 05:43*	WG1015912
(S) 4-Bromofluorobenzene	*89.6*			*64.0-132*		*09/02/2017 17:54*	WG1015912
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*09/01/2017 05:43*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	08/31/2017 11:22	WG1015509

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0115 J	J J0	0.0106	0.0530	1	09/01/2017 06:00	WG1015912
Acrylonitrile	U		0.00190	0.0106	1	09/01/2017 06:00	WG1015912
Benzene	U		0.000286	0.00106	1	09/01/2017 06:00	WG1015912
Bromobenzene	U		0.000301	0.00106	1	09/01/2017 06:00	WG1015912
Bromodichloromethane	U		0.000269	0.00106	1	09/01/2017 06:00	WG1015912
Bromochloromethane	U		0.000414	0.00530	1	09/01/2017 06:00	WG1015912
Bromoform	U UJ	J0	0.000450	0.00106	1	09/01/2017 06:00	WG1015912
Bromomethane	U		0.00142	0.00530	1	09/01/2017 06:00	WG1015912
n-Butylbenzene	U		0.000274	0.00106	1	09/01/2017 06:00	WG1015912
sec-Butylbenzene	U		0.000213	0.00106	1	09/01/2017 06:00	WG1015912
tert-Butylbenzene	U		0.000218	0.00106	1	09/01/2017 06:00	WG1015912
Carbon disulfide	0.000870 J	J	0.000234	0.00106	1	09/01/2017 06:00	WG1015912
Carbon tetrachloride	U		0.000348	0.00106	1	09/01/2017 06:00	WG1015912
Chlorobenzene	U		0.000225	0.00106	1	09/01/2017 06:00	WG1015912
Chlorodibromomethane	U		0.000396	0.00106	1	09/01/2017 06:00	WG1015912
Chloroethane	U		0.00100	0.00530	1	09/01/2017 06:00	WG1015912
Chloroform	U		0.000243	0.00530	1	09/01/2017 06:00	WG1015912
Chloromethane	U		0.000398	0.00265	1	09/01/2017 06:00	WG1015912
2-Chlorotoluene	U		0.000319	0.00106	1	09/01/2017 06:00	WG1015912
4-Chlorotoluene	U		0.000255	0.00106	1	09/01/2017 06:00	WG1015912
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00530	1	09/01/2017 06:00	WG1015912
1,2-Dibromoethane	U		0.000364	0.00106	1	09/01/2017 06:00	WG1015912
Dibromomethane	U		0.000405	0.00106	1	09/01/2017 06:00	WG1015912
1,2-Dichlorobenzene	U		0.000323	0.00106	1	09/01/2017 06:00	WG1015912
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/01/2017 06:00	WG1015912
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/01/2017 06:00	WG1015912
Dichlorodifluoromethane	U		0.000756	0.00530	1	09/01/2017 06:00	WG1015912
1,1-Dichloroethane	U		0.000211	0.00106	1	09/01/2017 06:00	WG1015912
1,2-Dichloroethane	U		0.000281	0.00106	1	09/01/2017 06:00	WG1015912
1,1-Dichloroethene	U		0.000321	0.00106	1	09/01/2017 06:00	WG1015912
cis-1,2-Dichloroethene	U		0.000249	0.00106	1	09/02/2017 18:14	WG1015912
trans-1,2-Dichloroethene	U		0.000280	0.00106	1	09/01/2017 06:00	WG1015912
1,2-Dichloropropane	U		0.000380	0.00106	1	09/01/2017 06:00	WG1015912
1,1-Dichloropropene	U		0.000336	0.00106	1	09/01/2017 06:00	WG1015912
1,3-Dichloropropane	U		0.000220	0.00106	1	09/01/2017 06:00	WG1015912
cis-1,3-Dichloropropene	U		0.000278	0.00106	1	09/01/2017 06:00	WG1015912
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	09/01/2017 06:00	WG1015912
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000825	0.00265	1	09/01/2017 06:00	WG1015912
2,2-Dichloropropane	U		0.000296	0.00106	1	09/01/2017 06:00	WG1015912
Di-isopropyl ether	U		0.000263	0.00106	1	09/01/2017 06:00	WG1015912
Ethylbenzene	U		0.000315	0.00106	1	09/01/2017 06:00	WG1015912
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	09/02/2017 18:14	WG1015912
2-Hexanone	U UJ	J0	0.00145	0.0106	1	09/01/2017 06:00	WG1015912
n-Hexane	U		0.000308	0.0106	1	09/01/2017 06:00	WG1015912
Iodomethane	U		0.00268	0.0106	1	09/01/2017 06:00	WG1015912
Isopropylbenzene	U		0.000258	0.00106	1	09/01/2017 06:00	WG1015912
p-Isopropyltoluene	U		0.000216	0.00106	1	09/01/2017 06:00	WG1015912
2-Butanone (MEK)	U UJ	J0	0.00496	0.0106	1	09/01/2017 06:00	WG1015912
Methylene Chloride	U		0.00106	0.00530	1	09/01/2017 06:00	WG1015912
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/01/2017 06:00	WG1015912

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

Analyte	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	09/01/2017 06:00	WG1015912
Naphthalene	U		0.00106	0.00530	1	09/01/2017 06:00	WG1015912
n-Propylbenzene	U		0.000218	0.00106	1	09/01/2017 06:00	WG1015912
Styrene	U		0.000248	0.00106	1	09/01/2017 06:00	WG1015912
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	09/01/2017 06:00	WG1015912
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	09/01/2017 06:00	WG1015912
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	09/01/2017 06:00	WG1015912
Tetrachloroethene	U		0.000293	0.00106	1	09/01/2017 06:00	WG1015912
Toluene	U		0.000460	0.00530	1	09/01/2017 06:00	WG1015912
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	09/01/2017 06:00	WG1015912
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	09/01/2017 06:00	WG1015912
1,1,1-Trichloroethane	U		0.000303	0.00106	1	09/01/2017 06:00	WG1015912
1,1,2-Trichloroethane	U		0.000294	0.00106	1	09/01/2017 06:00	WG1015912
Trichloroethene	U		0.000296	0.00106	1	09/01/2017 06:00	WG1015912
Trichlorofluoromethane	U		0.000405	0.00530	1	09/01/2017 06:00	WG1015912
1,2,3-Trichloropropane	U		0.000786	0.00265	1	09/01/2017 06:00	WG1015912
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	09/01/2017 06:00	WG1015912
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	09/01/2017 06:00	WG1015912
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	09/01/2017 06:00	WG1015912
Vinyl acetate	U		0.00253	0.0106	1	09/01/2017 06:00	WG1015912
Vinyl chloride	U		0.000309	0.00106	1	09/01/2017 06:00	WG1015912
Xylenes, Total	U		0.000740	0.00318	1	09/01/2017 06:00	WG1015912
(S) Toluene-d8	*95.9*			*80.0-120*		*09/01/2017 06:00*	WG1015912
(S) Toluene-d8	*101*			*80.0-120*		*09/02/2017 18:14*	WG1015912
(S) Dibromofluoromethane	*94.9*			*74.0-131*		*09/02/2017 18:14*	WG1015912
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 06:00*	WG1015912
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*09/01/2017 06:00*	WG1015912
(S) 4-Bromofluorobenzene	*85.5*			*64.0-132*		*09/02/2017 18:14*	WG1015912

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	08/31/2017 11:22	WG1015509

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0115	0.0575	1	09/04/2017 15:58	WG1014887
Acrylonitrile	U		0.00206	0.0115	1	08/31/2017 02:05	WG1014887
Benzene	U		0.000310	0.00115	1	08/31/2017 02:05	WG1014887
Bromobenzene	U		0.000326	0.00115	1	08/31/2017 02:05	WG1014887
Bromodichloromethane	U		0.000292	0.00115	1	08/31/2017 02:05	WG1014887
Bromochloromethane	U		0.000448	0.00575	1	08/31/2017 02:05	WG1014887
Bromoform	U		0.000487	0.00115	1	08/31/2017 02:05	WG1014887
Bromomethane	U		0.00154	0.00575	1	08/31/2017 02:05	WG1014887
n-Butylbenzene	U		0.000297	0.00115	1	08/31/2017 02:05	WG1014887
sec-Butylbenzene	U		0.000231	0.00115	1	08/31/2017 02:05	WG1014887
tert-Butylbenzene	U		0.000237	0.00115	1	08/31/2017 02:05	WG1014887
Carbon disulfide	0.000499 J	J	0.000254	0.00115	1	08/31/2017 02:05	WG1014887
Carbon tetrachloride	U		0.000377	0.00115	1	08/31/2017 02:05	WG1014887
Chlorobenzene	U		0.000244	0.00115	1	08/31/2017 02:05	WG1014887
Chlorodibromomethane	U		0.000429	0.00115	1	08/31/2017 02:05	WG1014887
Chloroethane	U		0.00109	0.00575	1	08/31/2017 02:05	WG1014887
Chloroform	U		0.000263	0.00575	1	08/31/2017 02:05	WG1014887
Chloromethane	U		0.000431	0.00287	1	08/31/2017 02:05	WG1014887
2-Chlorotoluene	U		0.000346	0.00115	1	08/31/2017 02:05	WG1014887
4-Chlorotoluene	U		0.000276	0.00115	1	08/31/2017 02:05	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00121	0.00575	1	08/31/2017 02:05	WG1014887
1,2-Dibromoethane	U		0.000394	0.00115	1	08/31/2017 02:05	WG1014887
Dibromomethane	U		0.000439	0.00115	1	08/31/2017 02:05	WG1014887
1,2-Dichlorobenzene	U		0.000351	0.00115	1	08/31/2017 02:05	WG1014887
1,3-Dichlorobenzene	U		0.000275	0.00115	1	08/31/2017 02:05	WG1014887
1,4-Dichlorobenzene	U		0.000260	0.00115	1	08/31/2017 02:05	WG1014887
Dichlorodifluoromethane	U		0.000819	0.00575	1	08/31/2017 02:05	WG1014887
1,1-Dichloroethane	U		0.000229	0.00115	1	08/31/2017 02:05	WG1014887
1,2-Dichloroethane	U		0.000305	0.00115	1	08/31/2017 02:05	WG1014887
1,1-Dichloroethene	U		0.000348	0.00115	1	08/31/2017 02:05	WG1014887
cis-1,2-Dichloroethene	0.00106 J	J	0.000270	0.00115	1	08/31/2017 02:05	WG1014887
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	08/31/2017 02:05	WG1014887
1,2-Dichloropropane	U		0.000411	0.00115	1	08/31/2017 02:05	WG1014887
1,1-Dichloropropene	U		0.000364	0.00115	1	08/31/2017 02:05	WG1014887
1,3-Dichloropropane	U		0.000238	0.00115	1	08/31/2017 02:05	WG1014887
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	08/31/2017 02:05	WG1014887
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	08/31/2017 02:05	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	08/31/2017 02:05	WG1014887
2,2-Dichloropropane	U		0.000321	0.00115	1	08/31/2017 02:05	WG1014887
Di-isopropyl ether	U		0.000285	0.00115	1	08/31/2017 02:05	WG1014887
Ethylbenzene	U		0.000341	0.00115	1	08/31/2017 02:05	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000393	0.00115	1	08/31/2017 02:05	WG1014887
2-Hexanone	U		0.00157	0.0115	1	08/31/2017 02:05	WG1014887
n-Hexane	0.000674 J	J	0.000333	0.0115	1	08/31/2017 02:05	WG1014887
Iodomethane	U		0.00291	0.0115	1	08/31/2017 02:05	WG1014887
Isopropylbenzene	U		0.000279	0.00115	1	08/31/2017 02:05	WG1014887
p-Isopropyltoluene	U		0.000234	0.00115	1	08/31/2017 02:05	WG1014887
2-Butanone (MEK)	U	J3	0.00538	0.0115	1	08/31/2017 02:05	WG1014887
Methylene Chloride	U		0.00115	0.00575	1	08/31/2017 02:05	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	08/31/2017 02:05	WG1014887

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

Analyte	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	08/31/2017 02:05	WG1014887
Naphthalene	U	J3	0.00115	0.00575	1	08/31/2017 02:05	WG1014887
n-Propylbenzene	U		0.000237	0.00115	1	08/31/2017 02:05	WG1014887
Styrene	U		0.000269	0.00115	1	08/31/2017 02:05	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	08/31/2017 02:05	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	08/31/2017 02:05	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	08/31/2017 02:05	WG1014887
Tetrachloroethene	U		0.000317	0.00115	1	08/31/2017 02:05	WG1014887
Toluene	U		0.000499	0.00575	1	08/31/2017 02:05	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000352	0.00115	1	08/31/2017 02:05	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000446	0.00115	1	08/31/2017 02:05	WG1014887
1,1,1-Trichloroethane	U		0.000329	0.00115	1	08/31/2017 02:05	WG1014887
1,1,2-Trichloroethane	U		0.000318	0.00115	1	08/31/2017 02:05	WG1014887
Trichloroethene	U		0.000321	0.00115	1	08/31/2017 02:05	WG1014887
Trichlorofluoromethane	U		0.000439	0.00575	1	08/31/2017 02:05	WG1014887
1,2,3-Trichloropropane	U		0.000852	0.00287	1	08/31/2017 02:05	WG1014887
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	08/31/2017 02:05	WG1014887
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	08/31/2017 02:05	WG1014887
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	08/31/2017 02:05	WG1014887
Vinyl acetate	U		0.00275	0.0115	1	08/31/2017 02:05	WG1014887
Vinyl chloride	U		0.000334	0.00115	1	08/31/2017 02:05	WG1014887
Xylenes, Total	U		0.000802	0.00345	1	08/31/2017 02:05	WG1014887
(S) Toluene-d8	*98.8*			*80.0-120*		*08/31/2017 02:05*	WG1014887
(S) Toluene-d8	*104*			*80.0-120*		*09/04/2017 15:58*	WG1014887
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*09/04/2017 15:58*	WG1014887
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*08/31/2017 02:05*	WG1014887
(S) 4-Bromofluorobenzene	*91.0*			*64.0-132*		*08/31/2017 02:05*	WG1014887
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/04/2017 15:58*	WG1014887

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	08/31/2017 15:04	WG1015695

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.49		0.0396	0.117	1	08/29/2017 22:24	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*08/29/2017 22:24*	WG1014832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.765	3.82	65.5	09/04/2017 16:18	WG1014887
Acrylonitrile	U		0.00209	0.0117	1	08/31/2017 02:25	WG1014887
Benzene	U		0.000315	0.00117	1	08/31/2017 02:25	WG1014887
Bromobenzene	U		0.000332	0.00117	1	08/31/2017 02:25	WG1014887
Bromodichloromethane	U		0.000297	0.00117	1	08/31/2017 02:25	WG1014887
Bromochloromethane	U		0.000455	0.00584	1	08/31/2017 02:25	WG1014887
Bromoform	U		0.000495	0.00117	1	08/31/2017 02:25	WG1014887
Bromomethane	U		0.00156	0.00584	1	08/31/2017 02:25	WG1014887
n-Butylbenzene	U		0.000301	0.00117	1	08/31/2017 02:25	WG1014887
sec-Butylbenzene	U		0.000235	0.00117	1	08/31/2017 02:25	WG1014887
tert-Butylbenzene	U		0.000241	0.00117	1	08/31/2017 02:25	WG1014887
Carbon disulfide	0.000689 J	J	0.000258	0.00117	1	08/31/2017 02:25	WG1014887
Carbon tetrachloride	U		0.000383	0.00117	1	08/31/2017 02:25	WG1014887
Chlorobenzene	U		0.000248	0.00117	1	08/31/2017 02:25	WG1014887
Chlorodibromomethane	U		0.000436	0.00117	1	08/31/2017 02:25	WG1014887
Chloroethane	U		0.00110	0.00584	1	08/31/2017 02:25	WG1014887
Chloroform	U		0.000267	0.00584	1	08/31/2017 02:25	WG1014887
Chloromethane	U		0.000438	0.00292	1	08/31/2017 02:25	WG1014887
2-Chlorotoluene	U		0.000351	0.00117	1	08/31/2017 02:25	WG1014887
4-Chlorotoluene	U		0.000280	0.00117	1	08/31/2017 02:25	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00123	0.00584	1	08/31/2017 02:25	WG1014887
1,2-Dibromoethane	U		0.000400	0.00117	1	08/31/2017 02:25	WG1014887
Dibromomethane	U		0.000446	0.00117	1	08/31/2017 02:25	WG1014887
1,2-Dichlorobenzene	U		0.000356	0.00117	1	08/31/2017 02:25	WG1014887
1,3-Dichlorobenzene	U		0.000279	0.00117	1	08/31/2017 02:25	WG1014887
1,4-Dichlorobenzene	U		0.000264	0.00117	1	08/31/2017 02:25	WG1014887
Dichlorodifluoromethane	U		0.000832	0.00584	1	08/31/2017 02:25	WG1014887
1,1-Dichloroethane	U		0.000232	0.00117	1	08/31/2017 02:25	WG1014887
1,2-Dichloroethane	U		0.000309	0.00117	1	08/31/2017 02:25	WG1014887
1,1-Dichloroethene	0.0148		0.000354	0.00117	1	08/31/2017 02:25	WG1014887
cis-1,2-Dichloroethene	0.581		0.0180	0.0765	65.5	09/04/2017 16:18	WG1014887
trans-1,2-Dichloroethene	0.0212		0.000308	0.00117	1	08/31/2017 02:25	WG1014887
1,2-Dichloropropane	U		0.000418	0.00117	1	08/31/2017 02:25	WG1014887
1,1-Dichloropropene	U		0.000370	0.00117	1	08/31/2017 02:25	WG1014887
1,3-Dichloropropane	U		0.000242	0.00117	1	08/31/2017 02:25	WG1014887
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	08/31/2017 02:25	WG1014887
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	08/31/2017 02:25	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000908	0.00292	1	08/31/2017 02:25	WG1014887
2,2-Dichloropropane	U		0.000326	0.00117	1	08/31/2017 02:25	WG1014887
Di-isopropyl ether	U		0.000290	0.00117	1	08/31/2017 02:25	WG1014887
Ethylbenzene	U		0.000347	0.00117	1	08/31/2017 02:25	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000399	0.00117	1	08/31/2017 02:25	WG1014887
2-Hexanone	U		0.00160	0.0117	1	08/31/2017 02:25	WG1014887
n-Hexane	0.000445 J	J	0.000339	0.0117	1	08/31/2017 02:25	WG1014887

Volatile Organic Compounds (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	0.0117	1	08/31/2017 02:25	WG1014887
Isopropylbenzene	U		0.000284	0.00117	1	08/31/2017 02:25	WG1014887
p-Isopropyltoluene	U		0.000238	0.00117	1	08/31/2017 02:25	WG1014887
2-Butanone (MEK)	U	J3	0.00546	0.0117	1	08/31/2017 02:25	WG1014887
Methylene Chloride	U		0.00117	0.00584	1	08/31/2017 02:25	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	08/31/2017 02:25	WG1014887
Methyl tert-butyl ether	U		0.000248	0.00117	1	08/31/2017 02:25	WG1014887
Naphthalene	U	J3	0.00117	0.00584	1	08/31/2017 02:25	WG1014887
n-Propylbenzene	U		0.000241	0.00117	1	08/31/2017 02:25	WG1014887
Styrene	U		0.000273	0.00117	1	08/31/2017 02:25	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	08/31/2017 02:25	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	08/31/2017 02:25	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	08/31/2017 02:25	WG1014887
Tetrachloroethene	0.0859		0.000322	0.00117	1	08/31/2017 02:25	WG1014887
Toluene	U		0.000507	0.00584	1	08/31/2017 02:25	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000357	0.00117	1	08/31/2017 02:25	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000453	0.00117	1	08/31/2017 02:25	WG1014887
1,1,1-Trichloroethane	U		0.000334	0.00117	1	08/31/2017 02:25	WG1014887
1,1,2-Trichloroethane	U		0.000323	0.00117	1	08/31/2017 02:25	WG1014887
Trichloroethene	0.871		0.0214	0.0765	65.5	09/04/2017 16:18	WG1014887
Trichlorofluoromethane	U		0.000446	0.00584	1	08/31/2017 02:25	WG1014887
1,2,3-Trichloropropane	U		0.000865	0.00292	1	08/31/2017 02:25	WG1014887
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	08/31/2017 02:25	WG1014887
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	08/31/2017 02:25	WG1014887
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	08/31/2017 02:25	WG1014887
Vinyl acetate	U		0.00279	0.0117	1	08/31/2017 02:25	WG1014887
Vinyl chloride	0.00887		0.000340	0.00117	1	08/31/2017 02:25	WG1014887
Xylenes, Total	U		0.000815	0.00350	1	08/31/2017 02:25	WG1014887
(S) Toluene-d8	*99.6*			*80.0-120*		*08/31/2017 02:25*	WG1014887
(S) Toluene-d8	*110*			*80.0-120*		*09/04/2017 16:18*	WG1014887
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*09/04/2017 16:18*	WG1014887
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*08/31/2017 02:25*	WG1014887
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*09/04/2017 16:18*	WG1014887
(S) 4-Bromofluorobenzene	*95.7*			*64.0-132*		*08/31/2017 02:25*	WG1014887

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	08/31/2017 15:04	WG1015695

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		0.0361	0.106	1	08/29/2017 22:46	WG1014832
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*08/29/2017 22:46*	WG1014832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.266	1.33	25	09/04/2017 16:37	WG1014887
Acrylonitrile	U		0.00191	0.0106	1	08/31/2017 02:46	WG1014887
Benzene	U		0.000287	0.00106	1	08/31/2017 02:46	WG1014887
Bromobenzene	U		0.000302	0.00106	1	08/31/2017 02:46	WG1014887
Bromodichloromethane	U		0.000270	0.00106	1	08/31/2017 02:46	WG1014887
Bromochloromethane	U		0.000415	0.00532	1	08/31/2017 02:46	WG1014887
Bromoform	U		0.000451	0.00106	1	08/31/2017 02:46	WG1014887
Bromomethane	U		0.00143	0.00532	1	08/31/2017 02:46	WG1014887
n-Butylbenzene	U		0.000275	0.00106	1	08/31/2017 02:46	WG1014887
sec-Butylbenzene	U		0.000214	0.00106	1	08/31/2017 02:46	WG1014887
tert-Butylbenzene	U		0.000219	0.00106	1	08/31/2017 02:46	WG1014887
Carbon disulfide	0.00159		0.000235	0.00106	1	08/31/2017 02:46	WG1014887
Carbon tetrachloride	U		0.000349	0.00106	1	08/31/2017 02:46	WG1014887
Chlorobenzene	U		0.000226	0.00106	1	08/31/2017 02:46	WG1014887
Chlorodibromomethane	U		0.000397	0.00106	1	08/31/2017 02:46	WG1014887
Chloroethane	U		0.00101	0.00532	1	08/31/2017 02:46	WG1014887
Chloroform	U		0.000244	0.00532	1	08/31/2017 02:46	WG1014887
Chloromethane	U		0.000399	0.00266	1	08/31/2017 02:46	WG1014887
2-Chlorotoluene	U		0.000320	0.00106	1	08/31/2017 02:46	WG1014887
4-Chlorotoluene	U		0.000255	0.00106	1	08/31/2017 02:46	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00112	0.00532	1	08/31/2017 02:46	WG1014887
1,2-Dibromoethane	U		0.000365	0.00106	1	08/31/2017 02:46	WG1014887
Dibromomethane	U		0.000407	0.00106	1	08/31/2017 02:46	WG1014887
1,2-Dichlorobenzene	U		0.000325	0.00106	1	08/31/2017 02:46	WG1014887
1,3-Dichlorobenzene	U		0.000254	0.00106	1	08/31/2017 02:46	WG1014887
1,4-Dichlorobenzene	U		0.000241	0.00106	1	08/31/2017 02:46	WG1014887
Dichlorodifluoromethane	U		0.000759	0.00532	1	08/31/2017 02:46	WG1014887
1,1-Dichloroethane	U		0.000212	0.00106	1	08/31/2017 02:46	WG1014887
1,2-Dichloroethane	U		0.000282	0.00106	1	08/31/2017 02:46	WG1014887
1,1-Dichloroethene	U		0.000323	0.00106	1	08/31/2017 02:46	WG1014887
cis-1,2-Dichloroethene	U		0.00626	0.0266	25	09/04/2017 16:37	WG1014887
trans-1,2-Dichloroethene	U		0.000281	0.00106	1	08/31/2017 02:46	WG1014887
1,2-Dichloropropane	U		0.000381	0.00106	1	08/31/2017 02:46	WG1014887
1,1-Dichloropropene	U		0.000337	0.00106	1	08/31/2017 02:46	WG1014887
1,3-Dichloropropane	U		0.000220	0.00106	1	08/31/2017 02:46	WG1014887
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	08/31/2017 02:46	WG1014887
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	08/31/2017 02:46	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000828	0.00266	1	08/31/2017 02:46	WG1014887
2,2-Dichloropropane	U		0.000297	0.00106	1	08/31/2017 02:46	WG1014887
Di-isopropyl ether	U		0.000264	0.00106	1	08/31/2017 02:46	WG1014887
Ethylbenzene	U		0.000316	0.00106	1	08/31/2017 02:46	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000364	0.00106	1	08/31/2017 02:46	WG1014887
2-Hexanone	U		0.00146	0.0106	1	08/31/2017 02:46	WG1014887
n-Hexane	U		0.000309	0.0106	1	08/31/2017 02:46	WG1014887

Volatile Organic Compounds (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		0.00269	0.0106	1	08/31/2017 02:46	WG1014887
Isopropylbenzene	U		0.000259	0.00106	1	08/31/2017 02:46	WG1014887
p-Isopropyltoluene	U		0.000217	0.00106	1	08/31/2017 02:46	WG1014887
2-Butanone (MEK)	U	J3	0.00498	0.0106	1	08/31/2017 02:46	WG1014887
Methylene Chloride	U		0.00106	0.00532	1	08/31/2017 02:46	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	08/31/2017 02:46	WG1014887
Methyl tert-butyl ether	U		0.000226	0.00106	1	08/31/2017 02:46	WG1014887
Naphthalene	U	J3	0.00106	0.00532	1	08/31/2017 02:46	WG1014887
n-Propylbenzene	U		0.000219	0.00106	1	08/31/2017 02:46	WG1014887
Styrene	U		0.000249	0.00106	1	08/31/2017 02:46	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	08/31/2017 02:46	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	08/31/2017 02:46	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	08/31/2017 02:46	WG1014887
Tetrachloroethene	U		0.000294	0.00106	1	08/31/2017 02:46	WG1014887
Toluene	U		0.000462	0.00532	1	08/31/2017 02:46	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000326	0.00106	1	08/31/2017 02:46	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000413	0.00106	1	08/31/2017 02:46	WG1014887
1,1,1-Trichloroethane	U		0.000304	0.00106	1	08/31/2017 02:46	WG1014887
1,1,2-Trichloroethane	U		0.000295	0.00106	1	08/31/2017 02:46	WG1014887
Trichloroethene	U		0.00743	0.0266	25	09/04/2017 16:37	WG1014887
Trichlorofluoromethane	U		0.000407	0.00532	1	08/31/2017 02:46	WG1014887
1,2,3-Trichloropropane	U		0.000789	0.00266	1	08/31/2017 02:46	WG1014887
1,2,4-Trimethylbenzene	U		0.000225	0.00106	1	08/31/2017 02:46	WG1014887
1,2,3-Trimethylbenzene	U		0.000305	0.00106	1	08/31/2017 02:46	WG1014887
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	08/31/2017 02:46	WG1014887
Vinyl acetate	U		0.00254	0.0106	1	08/31/2017 02:46	WG1014887
Vinyl chloride	U		0.000310	0.00106	1	08/31/2017 02:46	WG1014887
Xylenes, Total	U		0.000743	0.00319	1	08/31/2017 02:46	WG1014887
(S) Toluene-d8	*98.8*			*80.0-120*		*09/04/2017 16:37*	WG1014887
(S) Toluene-d8	*97.5*			*80.0-120*		*08/31/2017 02:46*	WG1014887
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*08/31/2017 02:46*	WG1014887
(S) Dibromofluoromethane	*90.7*			*74.0-131*		*09/04/2017 16:37*	WG1014887
(S) 4-Bromofluorobenzene	*93.0*			*64.0-132*		*08/31/2017 02:46*	WG1014887
(S) 4-Bromofluorobenzene	*95.2*			*64.0-132*		*09/04/2017 16:37*	WG1014887

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	08/31/2017 15:04	WG1015695

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		0.968	2.85	25	09/02/2017 02:06	WG1014942
(S) a,a,a-Trifluorotoluene(FID)	*97.0*			*77.0-120*		*09/02/2017 02:06*	WG1014942

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.285	1.43	25	09/04/2017 16:57	WG1014887
Acrylonitrile	U		0.00204	0.0114	1	08/31/2017 03:07	WG1014887
Benzene	U		0.000308	0.00114	1	08/31/2017 03:07	WG1014887
Bromobenzene	U		0.000324	0.00114	1	08/31/2017 03:07	WG1014887
Bromodichloromethane	U		0.000290	0.00114	1	08/31/2017 03:07	WG1014887
Bromochloromethane	U		0.000445	0.00571	1	08/31/2017 03:07	WG1014887
Bromoform	U		0.000484	0.00114	1	08/31/2017 03:07	WG1014887
Bromomethane	U		0.00153	0.00571	1	08/31/2017 03:07	WG1014887
n-Butylbenzene	U		0.000295	0.00114	1	08/31/2017 03:07	WG1014887
sec-Butylbenzene	U		0.000230	0.00114	1	08/31/2017 03:07	WG1014887
tert-Butylbenzene	U		0.000235	0.00114	1	08/31/2017 03:07	WG1014887
Carbon disulfide	0.000471 J	J	0.000252	0.00114	1	08/31/2017 03:07	WG1014887
Carbon tetrachloride	U		0.000375	0.00114	1	08/31/2017 03:07	WG1014887
Chlorobenzene	U		0.000242	0.00114	1	08/31/2017 03:07	WG1014887
Chlorodibromomethane	U		0.000426	0.00114	1	08/31/2017 03:07	WG1014887
Chloroethane	U		0.00108	0.00571	1	08/31/2017 03:07	WG1014887
Chloroform	U		0.000262	0.00571	1	08/31/2017 03:07	WG1014887
Chloromethane	U		0.000428	0.00285	1	08/31/2017 03:07	WG1014887
2-Chlorotoluene	U		0.000344	0.00114	1	08/31/2017 03:07	WG1014887
4-Chlorotoluene	U		0.000274	0.00114	1	08/31/2017 03:07	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00120	0.00571	1	08/31/2017 03:07	WG1014887
1,2-Dibromoethane	U		0.000392	0.00114	1	08/31/2017 03:07	WG1014887
Dibromomethane	U		0.000436	0.00114	1	08/31/2017 03:07	WG1014887
1,2-Dichlorobenzene	U		0.000348	0.00114	1	08/31/2017 03:07	WG1014887
1,3-Dichlorobenzene	U		0.000273	0.00114	1	08/31/2017 03:07	WG1014887
1,4-Dichlorobenzene	U		0.000258	0.00114	1	08/31/2017 03:07	WG1014887
Dichlorodifluoromethane	U		0.000814	0.00571	1	08/31/2017 03:07	WG1014887
1,1-Dichloroethane	U		0.000227	0.00114	1	08/31/2017 03:07	WG1014887
1,2-Dichloroethane	U		0.000303	0.00114	1	08/31/2017 03:07	WG1014887
1,1-Dichloroethene	U		0.000346	0.00114	1	08/31/2017 03:07	WG1014887
cis-1,2-Dichloroethene	U		0.00671	0.0285	25	09/04/2017 16:57	WG1014887
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	08/31/2017 03:07	WG1014887
1,2-Dichloropropane	U		0.000409	0.00114	1	08/31/2017 03:07	WG1014887
1,1-Dichloropropene	U		0.000362	0.00114	1	08/31/2017 03:07	WG1014887
1,3-Dichloropropane	U		0.000236	0.00114	1	08/31/2017 03:07	WG1014887
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	08/31/2017 03:07	WG1014887
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	08/31/2017 03:07	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000888	0.00285	1	08/31/2017 03:07	WG1014887
2,2-Dichloropropane	U		0.000319	0.00114	1	08/31/2017 03:07	WG1014887
Di-isopropyl ether	U		0.000283	0.00114	1	08/31/2017 03:07	WG1014887
Ethylbenzene	U		0.000339	0.00114	1	08/31/2017 03:07	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000391	0.00114	1	08/31/2017 03:07	WG1014887
2-Hexanone	U		0.00156	0.0114	1	08/31/2017 03:07	WG1014887
n-Hexane	U		0.000331	0.0114	1	08/31/2017 03:07	WG1014887

Volatile Organic Compounds (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		0.00289	0.0114	1	08/31/2017 03:07	WG1014887
Isopropylbenzene	U		0.000278	0.00114	1	08/31/2017 03:07	WG1014887
p-Isopropyltoluene	U		0.000233	0.00114	1	08/31/2017 03:07	WG1014887
2-Butanone (MEK)	U	J3	0.00534	0.0114	1	08/31/2017 03:07	WG1014887
Methylene Chloride	U		0.00114	0.00571	1	08/31/2017 03:07	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	08/31/2017 03:07	WG1014887
Methyl tert-butyl ether	U		0.000242	0.00114	1	08/31/2017 03:07	WG1014887
Naphthalene	U	J3	0.00114	0.00571	1	08/31/2017 03:07	WG1014887
n-Propylbenzene	U		0.000235	0.00114	1	08/31/2017 03:07	WG1014887
Styrene	U		0.000267	0.00114	1	08/31/2017 03:07	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	08/31/2017 03:07	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	08/31/2017 03:07	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	08/31/2017 03:07	WG1014887
Tetrachloroethene	U		0.000315	0.00114	1	08/31/2017 03:07	WG1014887
Toluene	U		0.000496	0.00571	1	08/31/2017 03:07	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000349	0.00114	1	08/31/2017 03:07	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000443	0.00114	1	08/31/2017 03:07	WG1014887
1,1,1-Trichloroethane	U		0.000327	0.00114	1	08/31/2017 03:07	WG1014887
1,1,2-Trichloroethane	U		0.000316	0.00114	1	08/31/2017 03:07	WG1014887
Trichloroethene	U		0.00797	0.0285	25	09/04/2017 16:57	WG1014887
Trichlorofluoromethane	U		0.000436	0.00571	1	08/31/2017 03:07	WG1014887
1,2,3-Trichloropropane	U		0.000846	0.00285	1	08/31/2017 03:07	WG1014887
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	08/31/2017 03:07	WG1014887
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	08/31/2017 03:07	WG1014887
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	08/31/2017 03:07	WG1014887
Vinyl acetate	U		0.00273	0.0114	1	08/31/2017 03:07	WG1014887
Vinyl chloride	U		0.000332	0.00114	1	08/31/2017 03:07	WG1014887
Xylenes, Total	U		0.000797	0.00343	1	08/31/2017 03:07	WG1014887
(S) Toluene-d8	*99.1*			*80.0-120*		*08/31/2017 03:07*	WG1014887
(S) Toluene-d8	*104*			*80.0-120*		*09/04/2017 16:57*	WG1014887
(S) Dibromofluoromethane	*88.6*			*74.0-131*		*09/04/2017 16:57*	WG1014887
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*08/31/2017 03:07*	WG1014887
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*09/04/2017 16:57*	WG1014887
(S) 4-Bromofluorobenzene	*89.4*			*64.0-132*		*08/31/2017 03:07*	WG1014887

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	90.8		1	08/31/2017 15:04	WG1015695

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	11.7		0.934	2.75	25	09/02/2017 02:28	WG1014942
(S) a,a,a-Trifluorotoluene(FID)	*97.0*			*77.0-120*		*09/02/2017 02:28*	WG1014942

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	1.10	5.51	100	09/04/2017 17:17	WG1014887
Acrylonitrile	U		0.00197	0.0110	1	08/31/2017 03:27	WG1014887
Benzene	U		0.000297	0.00110	1	08/31/2017 03:27	WG1014887
Bromobenzene	U		0.000313	0.00110	1	08/31/2017 03:27	WG1014887
Bromodichloromethane	U		0.000280	0.00110	1	08/31/2017 03:27	WG1014887
Bromochloromethane	U		0.000430	0.00551	1	08/31/2017 03:27	WG1014887
Bromoform	U		0.000467	0.00110	1	08/31/2017 03:27	WG1014887
Bromomethane	U		0.00148	0.00551	1	08/31/2017 03:27	WG1014887
n-Butylbenzene	U		0.000284	0.00110	1	08/31/2017 03:27	WG1014887
sec-Butylbenzene	U		0.000221	0.00110	1	08/31/2017 03:27	WG1014887
tert-Butylbenzene	U		0.000227	0.00110	1	08/31/2017 03:27	WG1014887
Carbon disulfide	0.00102 J	J	0.000243	0.00110	1	08/31/2017 03:27	WG1014887
Carbon tetrachloride	U		0.000361	0.00110	1	08/31/2017 03:27	WG1014887
Chlorobenzene	U		0.000234	0.00110	1	08/31/2017 03:27	WG1014887
Chlorodibromomethane	U		0.000411	0.00110	1	08/31/2017 03:27	WG1014887
Chloroethane	U		0.00104	0.00551	1	08/31/2017 03:27	WG1014887
Chloroform	U		0.000252	0.00551	1	08/31/2017 03:27	WG1014887
Chloromethane	U		0.000413	0.00275	1	08/31/2017 03:27	WG1014887
2-Chlorotoluene	U		0.000332	0.00110	1	08/31/2017 03:27	WG1014887
4-Chlorotoluene	U		0.000264	0.00110	1	08/31/2017 03:27	WG1014887
1,2-Dibromo-3-Chloropropane	U	J3	0.00116	0.00551	1	08/31/2017 03:27	WG1014887
1,2-Dibromoethane	U		0.000378	0.00110	1	08/31/2017 03:27	WG1014887
Dibromomethane	U		0.000421	0.00110	1	08/31/2017 03:27	WG1014887
1,2-Dichlorobenzene	U		0.000336	0.00110	1	08/31/2017 03:27	WG1014887
1,3-Dichlorobenzene	U		0.000263	0.00110	1	08/31/2017 03:27	WG1014887
1,4-Dichlorobenzene	U		0.000249	0.00110	1	08/31/2017 03:27	WG1014887
Dichlorodifluoromethane	U		0.000785	0.00551	1	08/31/2017 03:27	WG1014887
1,1-Dichloroethane	U		0.000219	0.00110	1	08/31/2017 03:27	WG1014887
1,2-Dichloroethane	U		0.000292	0.00110	1	08/31/2017 03:27	WG1014887
1,1-Dichloroethene	0.00773		0.000334	0.00110	1	08/31/2017 03:27	WG1014887
cis-1,2-Dichloroethene	0.990		0.0259	0.110	100	09/04/2017 17:17	WG1014887
trans-1,2-Dichloroethene	0.000601 J	J	0.000291	0.00110	1	08/31/2017 03:27	WG1014887
1,2-Dichloropropane	U		0.000394	0.00110	1	08/31/2017 03:27	WG1014887
1,1-Dichloropropene	U		0.000349	0.00110	1	08/31/2017 03:27	WG1014887
1,3-Dichloropropane	U		0.000228	0.00110	1	08/31/2017 03:27	WG1014887
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	08/31/2017 03:27	WG1014887
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	08/31/2017 03:27	WG1014887
trans-1,4-Dichloro-2-butene	U		0.000857	0.00275	1	08/31/2017 03:27	WG1014887
2,2-Dichloropropane	U		0.000307	0.00110	1	08/31/2017 03:27	WG1014887
Di-isopropyl ether	U		0.000273	0.00110	1	08/31/2017 03:27	WG1014887
Ethylbenzene	U		0.000327	0.00110	1	08/31/2017 03:27	WG1014887
Hexachloro-1,3-butadiene	U	J3	0.000377	0.00110	1	08/31/2017 03:27	WG1014887
2-Hexanone	U		0.00151	0.0110	1	08/31/2017 03:27	WG1014887
n-Hexane	0.000787 J	J	0.000319	0.0110	1	08/31/2017 03:27	WG1014887

Volatile Organic Compounds (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		0.00279	0.0110	1	08/31/2017 03:27	WG1014887
Isopropylbenzene	U		0.000268	0.00110	1	08/31/2017 03:27	WG1014887
p-Isopropyltoluene	U		0.000225	0.00110	1	08/31/2017 03:27	WG1014887
2-Butanone (MEK)	U	J3	0.00516	0.0110	1	08/31/2017 03:27	WG1014887
Methylene Chloride	U		0.00110	0.00551	1	08/31/2017 03:27	WG1014887
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	08/31/2017 03:27	WG1014887
Methyl tert-butyl ether	U		0.000234	0.00110	1	08/31/2017 03:27	WG1014887
Naphthalene	U	J3	0.00110	0.00551	1	08/31/2017 03:27	WG1014887
n-Propylbenzene	U		0.000227	0.00110	1	08/31/2017 03:27	WG1014887
Styrene	U		0.000258	0.00110	1	08/31/2017 03:27	WG1014887
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	08/31/2017 03:27	WG1014887
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	08/31/2017 03:27	WG1014887
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	08/31/2017 03:27	WG1014887
Tetrachloroethene	173		0.304	1.10	1000	09/05/2017 17:16	WG1014887
Toluene	0.000550 J	J	0.000478	0.00551	1	08/31/2017 03:27	WG1014887
1,2,3-Trichlorobenzene	U	J3	0.000337	0.00110	1	08/31/2017 03:27	WG1014887
1,2,4-Trichlorobenzene	U	J3	0.000427	0.00110	1	08/31/2017 03:27	WG1014887
1,1,1-Trichloroethane	U		0.000315	0.00110	1	08/31/2017 03:27	WG1014887
1,1,2-Trichloroethane	U		0.000305	0.00110	1	08/31/2017 03:27	WG1014887
Trichloroethene	1.23		0.0307	0.110	100	09/04/2017 17:17	WG1014887
Trichlorofluoromethane	U		0.000421	0.00551	1	08/31/2017 03:27	WG1014887
1,2,3-Trichloropropane	U		0.000816	0.00275	1	08/31/2017 03:27	WG1014887
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	08/31/2017 03:27	WG1014887
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	08/31/2017 03:27	WG1014887
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	08/31/2017 03:27	WG1014887
Vinyl acetate	U		0.00263	0.0110	1	08/31/2017 03:27	WG1014887
Vinyl chloride	0.00558		0.000321	0.00110	1	08/31/2017 03:27	WG1014887
Xylenes, Total	U		0.000769	0.00330	1	08/31/2017 03:27	WG1014887
(S) Toluene-d8	*113*			*80.0-120*		*09/04/2017 17:17*	WG1014887
(S) Toluene-d8	*94.1*			*80.0-120*		*08/31/2017 03:27*	WG1014887
(S) Toluene-d8	*114*			*80.0-120*		*09/05/2017 17:16*	WG1014887
(S) Dibromofluoromethane	*90.0*			*74.0-131*		*09/05/2017 17:16*	WG1014887
(S) Dibromofluoromethane	*91.6*			*74.0-131*		*09/04/2017 17:17*	WG1014887
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*08/31/2017 03:27*	WG1014887
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*09/04/2017 17:17*	WG1014887
(S) 4-Bromofluorobenzene	*92.8*			*64.0-132*		*09/05/2017 17:16*	WG1014887
(S) 4-Bromofluorobenzene	*91.6*			*64.0-132*		*08/31/2017 03:27*	WG1014887

ANALYTICAL REPORT

September 06, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L932611
Samples Received:	08/29/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

TABLE OF CONTENTS

B-207-90 L932611-01 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/25/17 16:50 | Received date/time: 08/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1016734	1	09/05/17 08:51	09/05/17 09:01	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1015199	1	08/25/17 16:50	09/03/17 01:09	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	100	08/25/17 16:50	09/04/17 19:16	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	25	08/25/17 16:50	09/01/17 16:56	JAH

B-219-42 L932611-02 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/28/17 13:20 | Received date/time: 08/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1016734	1	09/05/17 08:51	09/05/17 09:01	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	1	08/28/17 13:20	09/01/17 17:15	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	1	08/28/17 13:20	09/04/17 18:50	JAH

B-219-50 L932611-03 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/28/17 13:55 | Received date/time: 08/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1016734	1	09/05/17 08:51	09/05/17 09:01	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	1	08/28/17 13:55	09/01/17 17:35	JAH

B-219-60 L932611-04 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/28/17 14:15 | Received date/time: 08/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1016734	1	09/05/17 08:51	09/05/17 09:01	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	1	08/28/17 14:15	09/01/17 17:55	JAH

MW-136-35 L932611-05 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/28/17 14:20 | Received date/time: 08/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1016734	1	09/05/17 08:51	09/05/17 09:01	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	1	08/28/17 14:20	09/01/17 18:14	JAH

B-902-15 L932611-06 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/28/17 15:00 | Received date/time: 08/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1016735	1	09/05/17 08:39	09/05/17 08:49	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	1	08/28/17 15:00	09/01/17 18:34	JAH

MW-136-44 L932611-07 Solid

Collected by: Shannon Mckernan | Collected date/time: 08/28/17 12:00 | Received date/time: 08/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1016735	1	09/05/17 08:39	09/05/17 08:49	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	1	08/28/17 12:00	09/01/17 18:53	JAH

B-219-70 L932611-08 Solid

			Collected by	Collected date/time	Received date/time
			Shannon Mckernan	08/28/17 15:50	08/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1016735	1	09/05/17 08:39	09/05/17 08:49	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015673	1	08/28/17 15:50	09/01/17 19:13	JAH

TRIP BLANK-082817 L932611-09 GW

			Collected by	Collected date/time	Received date/time
			Shannon Mckernan	08/28/17 00:00	08/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015444	1	08/30/17 23:48	08/30/17 23:48	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	91.0		1	09/05/2017 09:01	WG1016734

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	0.181	B	0.0372	0.110	1	09/03/2017 01:09	WG1015199
(S) a,a,a-Trifluorotoluene(FID)	*95.0*			*77.0-120*		*09/03/2017 01:09*	WG1015199

Volatile Organic Compounds (GC/MS) 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	0.275	1.37	25	09/01/2017 16:56	WG1015673
Acrylonitrile	U		0.0492	0.275	25	09/01/2017 16:56	WG1015673
Benzene	U		0.00742	0.0275	25	09/01/2017 16:56	WG1015673
Bromobenzene	U		0.00780	0.0275	25	09/01/2017 16:56	WG1015673
Bromodichloromethane	U		0.00698	0.0275	25	09/01/2017 16:56	WG1015673
Bromochloromethane	U		0.0107	0.137	25	09/01/2017 16:56	WG1015673
Bromoform	U		0.0116	0.0275	25	09/01/2017 16:56	WG1015673
Bromomethane	U		0.0368	0.137	25	09/01/2017 16:56	WG1015673
n-Butylbenzene	U		0.00709	0.0275	25	09/01/2017 16:56	WG1015673
sec-Butylbenzene	U		0.00552	0.0275	25	09/01/2017 16:56	WG1015673
tert-Butylbenzene	U		0.00566	0.0275	25	09/01/2017 16:56	WG1015673
Carbon disulfide	U	J3	0.00606	0.0275	25	09/01/2017 16:56	WG1015673
Carbon tetrachloride	U		0.00901	0.0275	25	09/01/2017 16:56	WG1015673
Chlorobenzene	U		0.00582	0.0275	25	09/01/2017 16:56	WG1015673
Chlorodibromomethane	U		0.0102	0.0275	25	09/01/2017 16:56	WG1015673
Chloroethane	U		0.0259	0.137	25	09/01/2017 16:56	WG1015673
Chloroform	U		0.00628	0.137	25	09/01/2017 16:56	WG1015673
Chloromethane	U		0.0103	0.0687	25	09/01/2017 16:56	WG1015673
2-Chlorotoluene	U		0.00826	0.0275	25	09/01/2017 16:56	WG1015673
4-Chlorotoluene	U		0.00659	0.0275	25	09/01/2017 16:56	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.0288	0.137	25	09/01/2017 16:56	WG1015673
1,2-Dibromoethane	U		0.00943	0.0275	25	09/01/2017 16:56	WG1015673
Dibromomethane	U		0.0105	0.0275	25	09/01/2017 16:56	WG1015673
1,2-Dichlorobenzene	U		0.00837	0.0275	25	09/01/2017 16:56	WG1015673
1,3-Dichlorobenzene	U		0.00657	0.0275	25	09/01/2017 16:56	WG1015673
1,4-Dichlorobenzene	U		0.00621	0.0275	25	09/01/2017 16:56	WG1015673
Dichlorodifluoromethane	U		0.0196	0.137	25	09/01/2017 16:56	WG1015673
1,1-Dichloroethane	U		0.00547	0.0275	25	09/01/2017 16:56	WG1015673
1,2-Dichloroethane	U		0.00727	0.0275	25	09/01/2017 16:56	WG1015673
1,1-Dichloroethene	U		0.00833	0.0275	25	09/01/2017 16:56	WG1015673
cis-1,2-Dichloroethene	0.311		0.00646	0.0275	25	09/01/2017 16:56	WG1015673
trans-1,2-Dichloroethene	U		0.00725	0.0275	25	09/01/2017 16:56	WG1015673
1,2-Dichloropropane	U		0.00983	0.0275	25	09/01/2017 16:56	WG1015673
1,1-Dichloropropene	U		0.00870	0.0275	25	09/01/2017 16:56	WG1015673
1,3-Dichloropropane	U		0.00569	0.0275	25	09/01/2017 16:56	WG1015673
cis-1,3-Dichloropropene	U		0.00720	0.0275	25	09/01/2017 16:56	WG1015673
trans-1,3-Dichloropropene	U		0.00734	0.0275	25	09/01/2017 16:56	WG1015673
trans-1,4-Dichloro-2-butene	U	J0 J4	0.0213	0.0687	25	09/01/2017 16:56	WG1015673
2,2-Dichloropropane	U		0.00767	0.0275	25	09/01/2017 16:56	WG1015673
Di-isopropyl ether	U	J0	0.00681	0.0275	25	09/01/2017 16:56	WG1015673
Ethylbenzene	U		0.00815	0.0275	25	09/01/2017 16:56	WG1015673
Hexachloro-1,3-butadiene	U		0.00939	0.0275	25	09/01/2017 16:56	WG1015673
2-Hexanone	U		0.0376	0.275	25	09/01/2017 16:56	WG1015673
n-Hexane	U	J0	0.00797	0.275	25	09/01/2017 16:56	WG1015673

Volatile Organic Compounds (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		0.0694	0.275	25	09/01/2017 16:56	WG1015673
Isopropylbenzene	U		0.00668	0.0275	25	09/01/2017 16:56	WG1015673
p-Isopropyltoluene	U		0.00560	0.0275	25	09/01/2017 16:56	WG1015673
2-Butanone (MEK)	U		0.129	0.275	25	09/01/2017 16:56	WG1015673
Methylene Chloride	U		0.0275	0.137	25	09/01/2017 16:56	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.0516	0.275	25	09/01/2017 16:56	WG1015673
Methyl tert-butyl ether	U		0.00582	0.0275	25	09/01/2017 16:56	WG1015673
Naphthalene	U		0.0275	0.137	25	09/01/2017 16:56	WG1015673
n-Propylbenzene	U		0.00566	0.0275	25	09/01/2017 16:56	WG1015673
Styrene	U		0.00643	0.0275	25	09/01/2017 16:56	WG1015673
1,1,1,2-Tetrachloroethane	U		0.00725	0.0275	25	09/01/2017 16:56	WG1015673
1,1,2,2-Tetrachloroethane	U		0.0100	0.0275	25	09/01/2017 16:56	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.0100	0.0275	25	09/01/2017 16:56	WG1015673
Tetrachloroethene	5.42		0.0303	0.110	100	09/04/2017 19:16	WG1015673
Toluene	U		0.0119	0.137	25	09/01/2017 16:56	WG1015673
1,2,3-Trichlorobenzene	U		0.00841	0.0275	25	09/01/2017 16:56	WG1015673
1,2,4-Trichlorobenzene	U		0.0107	0.0275	25	09/01/2017 16:56	WG1015673
1,1,1-Trichloroethane	U		0.00786	0.0275	25	09/01/2017 16:56	WG1015673
1,1,2-Trichloroethane	U		0.00760	0.0275	25	09/01/2017 16:56	WG1015673
Trichloroethene	0.462		0.00767	0.0275	25	09/01/2017 16:56	WG1015673
Trichlorofluoromethane	U		0.0105	0.137	25	09/01/2017 16:56	WG1015673
1,2,3-Trichloropropane	U		0.0203	0.0687	25	09/01/2017 16:56	WG1015673
1,2,4-Trimethylbenzene	U		0.00580	0.0275	25	09/01/2017 16:56	WG1015673
1,2,3-Trimethylbenzene	U		0.00789	0.0275	25	09/01/2017 16:56	WG1015673
1,3,5-Trimethylbenzene	U		0.00731	0.0275	25	09/01/2017 16:56	WG1015673
Vinyl acetate	U	J0	0.0657	0.275	25	09/01/2017 16:56	WG1015673
Vinyl chloride	U		0.00800	0.0275	25	09/01/2017 16:56	WG1015673
Xylenes, Total	U		0.0191	0.0824	25	09/01/2017 16:56	WG1015673
(S) Toluene-d8	*104*			*80.0-120*		*09/04/2017 19:16*	WG1015673
(S) Toluene-d8	*110*			*80.0-120*		*09/01/2017 16:56*	WG1015673
(S) Dibromofluoromethane	*94.5*			*74.0-131*		*09/01/2017 16:56*	WG1015673
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/04/2017 19:16*	WG1015673
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/04/2017 19:16*	WG1015673
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*09/01/2017 16:56*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	09/05/2017 09:01	WG1016734

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0356	J J0	0.0109	0.0545	1	09/01/2017 17:15	WG1015673
Acrylonitrile	U		0.00195	0.0109	1	09/01/2017 17:15	WG1015673
Benzene	U		0.000294	0.00109	1	09/01/2017 17:15	WG1015673
Bromobenzene	U		0.000309	0.00109	1	09/01/2017 17:15	WG1015673
Bromodichloromethane	U		0.000277	0.00109	1	09/01/2017 17:15	WG1015673
Bromochloromethane	U		0.000425	0.00545	1	09/01/2017 17:15	WG1015673
Bromoform	U		0.000462	0.00109	1	09/01/2017 17:15	WG1015673
Bromomethane	U		0.00146	0.00545	1	09/01/2017 17:15	WG1015673
n-Butylbenzene	U		0.000281	0.00109	1	09/01/2017 17:15	WG1015673
sec-Butylbenzene	U		0.000219	0.00109	1	09/01/2017 17:15	WG1015673
tert-Butylbenzene	U		0.000224	0.00109	1	09/01/2017 17:15	WG1015673
Carbon disulfide	0.000984	J J3	0.000241	0.00109	1	09/01/2017 17:15	WG1015673
Carbon tetrachloride	U		0.000357	0.00109	1	09/01/2017 17:15	WG1015673
Chlorobenzene	U		0.000231	0.00109	1	09/01/2017 17:15	WG1015673
Chlorodibromomethane	U		0.000406	0.00109	1	09/01/2017 17:15	WG1015673
Chloroethane	U		0.00103	0.00545	1	09/01/2017 17:15	WG1015673
Chloroform	U		0.000249	0.00545	1	09/01/2017 17:15	WG1015673
Chloromethane	U		0.000408	0.00272	1	09/01/2017 17:15	WG1015673
2-Chlorotoluene	U		0.000328	0.00109	1	09/01/2017 17:15	WG1015673
4-Chlorotoluene	U		0.000261	0.00109	1	09/01/2017 17:15	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00545	1	09/01/2017 17:15	WG1015673
1,2-Dibromoethane	U		0.000374	0.00109	1	09/01/2017 17:15	WG1015673
Dibromomethane	U		0.000416	0.00109	1	09/01/2017 17:15	WG1015673
1,2-Dichlorobenzene	U		0.000332	0.00109	1	09/01/2017 17:15	WG1015673
1,3-Dichlorobenzene	U		0.000260	0.00109	1	09/01/2017 17:15	WG1015673
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/01/2017 17:15	WG1015673
Dichlorodifluoromethane	U		0.000777	0.00545	1	09/01/2017 17:15	WG1015673
1,1-Dichloroethane	U		0.000217	0.00109	1	09/01/2017 17:15	WG1015673
1,2-Dichloroethane	U		0.000289	0.00109	1	09/01/2017 17:15	WG1015673
1,1-Dichloroethene	U		0.000330	0.00109	1	09/01/2017 17:15	WG1015673
cis-1,2-Dichloroethene	0.0179		0.000256	0.00109	1	09/01/2017 17:15	WG1015673
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/01/2017 17:15	WG1015673
1,2-Dichloropropane	U		0.000390	0.00109	1	09/01/2017 17:15	WG1015673
1,1-Dichloropropene	U		0.000345	0.00109	1	09/01/2017 17:15	WG1015673
1,3-Dichloropropane	U		0.000225	0.00109	1	09/01/2017 17:15	WG1015673
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	09/01/2017 17:15	WG1015673
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/01/2017 17:15	WG1015673
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000847	0.00272	1	09/01/2017 17:15	WG1015673
2,2-Dichloropropane	U		0.000304	0.00109	1	09/01/2017 17:15	WG1015673
Di-isopropyl ether	U	J0	0.000270	0.00109	1	09/01/2017 17:15	WG1015673
Ethylbenzene	U		0.000323	0.00109	1	09/01/2017 17:15	WG1015673
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	09/01/2017 17:15	WG1015673
2-Hexanone	U		0.00149	0.0109	1	09/01/2017 17:15	WG1015673
n-Hexane	0.00264	J J0	0.000316	0.0109	1	09/01/2017 17:15	WG1015673
Iodomethane	U		0.00276	0.0109	1	09/01/2017 17:15	WG1015673
Isopropylbenzene	U		0.000265	0.00109	1	09/01/2017 17:15	WG1015673
p-Isopropyltoluene	U		0.000222	0.00109	1	09/01/2017 17:15	WG1015673
2-Butanone (MEK)	0.0125		0.00510	0.0109	1	09/01/2017 17:15	WG1015673
Methylene Chloride	U		0.00109	0.00545	1	09/01/2017 17:15	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/01/2017 17:15	WG1015673

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

Analyte	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	09/01/2017 17:15	WG1015673
Naphthalene	U		0.00109	0.00545	1	09/01/2017 17:15	WG1015673
n-Propylbenzene	U		0.000224	0.00109	1	09/01/2017 17:15	WG1015673
Styrene	U		0.000255	0.00109	1	09/01/2017 17:15	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	09/01/2017 17:15	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	09/01/2017 17:15	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000398	0.00109	1	09/01/2017 17:15	WG1015673
Tetrachloroethene	0.000857	J	0.000301	0.00109	1	09/04/2017 18:50	WG1015673
Toluene	U		0.000473	0.00545	1	09/01/2017 17:15	WG1015673
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	09/01/2017 17:15	WG1015673
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	09/01/2017 17:15	WG1015673
1,1,1-Trichloroethane	U		0.000312	0.00109	1	09/01/2017 17:15	WG1015673
1,1,2-Trichloroethane	U		0.000302	0.00109	1	09/01/2017 17:15	WG1015673
Trichloroethene	0.000504	J	0.000304	0.00109	1	09/01/2017 17:15	WG1015673
Trichlorofluoromethane	U		0.000416	0.00545	1	09/01/2017 17:15	WG1015673
1,2,3-Trichloropropane	U		0.000807	0.00272	1	09/01/2017 17:15	WG1015673
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/01/2017 17:15	WG1015673
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	09/01/2017 17:15	WG1015673
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/01/2017 17:15	WG1015673
Vinyl acetate	U	J0	0.00260	0.0109	1	09/01/2017 17:15	WG1015673
Vinyl chloride	0.00214		0.000317	0.00109	1	09/01/2017 17:15	WG1015673
Xylenes, Total	U		0.000760	0.00327	1	09/01/2017 17:15	WG1015673
(S) Toluene-d8	*96.1*			*80.0-120*		*09/04/2017 18:50*	WG1015673
(S) Toluene-d8	*102*			*80.0-120*		*09/01/2017 17:15*	WG1015673
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/04/2017 18:50*	WG1015673
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*09/01/2017 17:15*	WG1015673
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/01/2017 17:15*	WG1015673
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/04/2017 18:50*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	09/05/2017 09:01	WG1016734

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.134	J0	0.0118	0.0592	1	09/01/2017 17:35	WG1015673
Acrylonitrile	U		0.00212	0.0118	1	09/01/2017 17:35	WG1015673
Benzene	U		0.000320	0.00118	1	09/01/2017 17:35	WG1015673
Bromobenzene	U		0.000336	0.00118	1	09/01/2017 17:35	WG1015673
Bromodichloromethane	U		0.000301	0.00118	1	09/01/2017 17:35	WG1015673
Bromochloromethane	U		0.000462	0.00592	1	09/01/2017 17:35	WG1015673
Bromoform	U		0.000502	0.00118	1	09/01/2017 17:35	WG1015673
Bromomethane	U		0.00159	0.00592	1	09/01/2017 17:35	WG1015673
n-Butylbenzene	U		0.000306	0.00118	1	09/01/2017 17:35	WG1015673
sec-Butylbenzene	U		0.000238	0.00118	1	09/01/2017 17:35	WG1015673
tert-Butylbenzene	U		0.000244	0.00118	1	09/01/2017 17:35	WG1015673
Carbon disulfide	0.00184	J3	0.000262	0.00118	1	09/01/2017 17:35	WG1015673
Carbon tetrachloride	U		0.000388	0.00118	1	09/01/2017 17:35	WG1015673
Chlorobenzene	U		0.000251	0.00118	1	09/01/2017 17:35	WG1015673
Chlorodibromomethane	U		0.000442	0.00118	1	09/01/2017 17:35	WG1015673
Chloroethane	U		0.00112	0.00592	1	09/01/2017 17:35	WG1015673
Chloroform	U		0.000271	0.00592	1	09/01/2017 17:35	WG1015673
Chloromethane	U	J0	0.000444	0.00296	1	09/01/2017 17:35	WG1015673
2-Chlorotoluene	U		0.000356	0.00118	1	09/01/2017 17:35	WG1015673
4-Chlorotoluene	U		0.000284	0.00118	1	09/01/2017 17:35	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00592	1	09/01/2017 17:35	WG1015673
1,2-Dibromoethane	U		0.000406	0.00118	1	09/01/2017 17:35	WG1015673
Dibromomethane	U		0.000452	0.00118	1	09/01/2017 17:35	WG1015673
1,2-Dichlorobenzene	U		0.000361	0.00118	1	09/01/2017 17:35	WG1015673
1,3-Dichlorobenzene	U		0.000283	0.00118	1	09/01/2017 17:35	WG1015673
1,4-Dichlorobenzene	U		0.000268	0.00118	1	09/01/2017 17:35	WG1015673
Dichlorodifluoromethane	U		0.000844	0.00592	1	09/01/2017 17:35	WG1015673
1,1-Dichloroethane	U		0.000236	0.00118	1	09/01/2017 17:35	WG1015673
1,2-Dichloroethane	U		0.000314	0.00118	1	09/01/2017 17:35	WG1015673
1,1-Dichloroethene	0.000401	J	0.000359	0.00118	1	09/01/2017 17:35	WG1015673
cis-1,2-Dichloroethene	0.139		0.000278	0.00118	1	09/01/2017 17:35	WG1015673
trans-1,2-Dichloroethene	0.00107	J	0.000313	0.00118	1	09/01/2017 17:35	WG1015673
1,2-Dichloropropane	U		0.000424	0.00118	1	09/01/2017 17:35	WG1015673
1,1-Dichloropropene	U		0.000375	0.00118	1	09/01/2017 17:35	WG1015673
1,3-Dichloropropane	U		0.000245	0.00118	1	09/01/2017 17:35	WG1015673
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	09/01/2017 17:35	WG1015673
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	09/01/2017 17:35	WG1015673
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000921	0.00296	1	09/01/2017 17:35	WG1015673
2,2-Dichloropropane	U		0.000330	0.00118	1	09/01/2017 17:35	WG1015673
Di-isopropyl ether	U	J0	0.000294	0.00118	1	09/01/2017 17:35	WG1015673
Ethylbenzene	U		0.000352	0.00118	1	09/01/2017 17:35	WG1015673
Hexachloro-1,3-butadiene	U		0.000405	0.00118	1	09/01/2017 17:35	WG1015673
2-Hexanone	0.00471	J	0.00162	0.0118	1	09/01/2017 17:35	WG1015673
n-Hexane	U	J0	0.000343	0.0118	1	09/01/2017 17:35	WG1015673
Iodomethane	U		0.00300	0.0118	1	09/01/2017 17:35	WG1015673
Isopropylbenzene	U		0.000288	0.00118	1	09/01/2017 17:35	WG1015673
p-Isopropyltoluene	U		0.000242	0.00118	1	09/01/2017 17:35	WG1015673
2-Butanone (MEK)	0.169		0.00554	0.0118	1	09/01/2017 17:35	WG1015673
Methylene Chloride	U		0.00118	0.00592	1	09/01/2017 17:35	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0118	1	09/01/2017 17:35	WG1015673

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		0.000251	0.00118	1	09/01/2017 17:35	WG1015673
Naphthalene	U		0.00118	0.00592	1	09/01/2017 17:35	WG1015673
n-Propylbenzene	U		0.000244	0.00118	1	09/01/2017 17:35	WG1015673
Styrene	U		0.000277	0.00118	1	09/01/2017 17:35	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000313	0.00118	1	09/01/2017 17:35	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000432	0.00118	1	09/01/2017 17:35	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000432	0.00118	1	09/01/2017 17:35	WG1015673
Tetrachloroethene	0.0534	J0	0.000327	0.00118	1	09/01/2017 17:35	WG1015673
Toluene	U		0.000514	0.00592	1	09/01/2017 17:35	WG1015673
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	09/01/2017 17:35	WG1015673
1,2,4-Trichlorobenzene	U		0.000459	0.00118	1	09/01/2017 17:35	WG1015673
1,1,1-Trichloroethane	U		0.000339	0.00118	1	09/01/2017 17:35	WG1015673
1,1,2-Trichloroethane	U		0.000328	0.00118	1	09/01/2017 17:35	WG1015673
Trichloroethene	0.00555		0.000330	0.00118	1	09/01/2017 17:35	WG1015673
Trichlorofluoromethane	U		0.000452	0.00592	1	09/01/2017 17:35	WG1015673
1,2,3-Trichloropropane	U		0.000878	0.00296	1	09/01/2017 17:35	WG1015673
1,2,4-Trimethylbenzene	U		0.000250	0.00118	1	09/01/2017 17:35	WG1015673
1,2,3-Trimethylbenzene	U		0.000340	0.00118	1	09/01/2017 17:35	WG1015673
1,3,5-Trimethylbenzene	U		0.000315	0.00118	1	09/01/2017 17:35	WG1015673
Vinyl acetate	U	J0	0.00283	0.0118	1	09/01/2017 17:35	WG1015673
Vinyl chloride	0.156		0.000345	0.00118	1	09/01/2017 17:35	WG1015673
Xylenes, Total	U		0.000827	0.00355	1	09/01/2017 17:35	WG1015673
(S) Toluene-d8	*103*			*80.0-120*		*09/01/2017 17:35*	WG1015673
(S) Dibromofluoromethane	*99.7*			*74.0-131*		*09/01/2017 17:35*	WG1015673
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/01/2017 17:35*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	09/05/2017 09:01	WG1016734

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0146	J0	0.0108	0.0538	1	09/01/2017 17:55	WG1015673
Acrylonitrile	U		0.00193	0.0108	1	09/01/2017 17:55	WG1015673
Benzene	U		0.000291	0.00108	1	09/01/2017 17:55	WG1015673
Bromobenzene	U		0.000306	0.00108	1	09/01/2017 17:55	WG1015673
Bromodichloromethane	U		0.000273	0.00108	1	09/01/2017 17:55	WG1015673
Bromochloromethane	U		0.000420	0.00538	1	09/01/2017 17:55	WG1015673
Bromoform	U		0.000456	0.00108	1	09/01/2017 17:55	WG1015673
Bromomethane	U		0.00144	0.00538	1	09/01/2017 17:55	WG1015673
n-Butylbenzene	U		0.000278	0.00108	1	09/01/2017 17:55	WG1015673
sec-Butylbenzene	U		0.000216	0.00108	1	09/01/2017 17:55	WG1015673
tert-Butylbenzene	U		0.000222	0.00108	1	09/01/2017 17:55	WG1015673
Carbon disulfide	0.000573	J J3	0.000238	0.00108	1	09/01/2017 17:55	WG1015673
Carbon tetrachloride	U		0.000353	0.00108	1	09/01/2017 17:55	WG1015673
Chlorobenzene	U		0.000228	0.00108	1	09/01/2017 17:55	WG1015673
Chlorodibromomethane	U		0.000401	0.00108	1	09/01/2017 17:55	WG1015673
Chloroethane	U		0.00102	0.00538	1	09/01/2017 17:55	WG1015673
Chloroform	U		0.000246	0.00538	1	09/01/2017 17:55	WG1015673
Chloromethane	U	J0	0.000404	0.00269	1	09/01/2017 17:55	WG1015673
2-Chlorotoluene	U		0.000324	0.00108	1	09/01/2017 17:55	WG1015673
4-Chlorotoluene	U		0.000258	0.00108	1	09/01/2017 17:55	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	09/01/2017 17:55	WG1015673
1,2-Dibromoethane	U		0.000369	0.00108	1	09/01/2017 17:55	WG1015673
Dibromomethane	U		0.000411	0.00108	1	09/01/2017 17:55	WG1015673
1,2-Dichlorobenzene	U		0.000328	0.00108	1	09/01/2017 17:55	WG1015673
1,3-Dichlorobenzene	U		0.000257	0.00108	1	09/01/2017 17:55	WG1015673
1,4-Dichlorobenzene	U		0.000243	0.00108	1	09/01/2017 17:55	WG1015673
Dichlorodifluoromethane	U		0.000767	0.00538	1	09/01/2017 17:55	WG1015673
1,1-Dichloroethane	U		0.000214	0.00108	1	09/01/2017 17:55	WG1015673
1,2-Dichloroethane	U		0.000285	0.00108	1	09/01/2017 17:55	WG1015673
1,1-Dichloroethene	U		0.000326	0.00108	1	09/01/2017 17:55	WG1015673
cis-1,2-Dichloroethene	0.00202		0.000253	0.00108	1	09/01/2017 17:55	WG1015673
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	09/01/2017 17:55	WG1015673
1,2-Dichloropropane	U		0.000385	0.00108	1	09/01/2017 17:55	WG1015673
1,1-Dichloropropene	U		0.000341	0.00108	1	09/01/2017 17:55	WG1015673
1,3-Dichloropropane	U		0.000223	0.00108	1	09/01/2017 17:55	WG1015673
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	09/01/2017 17:55	WG1015673
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	09/01/2017 17:55	WG1015673
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000837	0.00269	1	09/01/2017 17:55	WG1015673
2,2-Dichloropropane	U		0.000300	0.00108	1	09/01/2017 17:55	WG1015673
Di-isopropyl ether	U	J0	0.000267	0.00108	1	09/01/2017 17:55	WG1015673
Ethylbenzene	U		0.000320	0.00108	1	09/01/2017 17:55	WG1015673
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	09/01/2017 17:55	WG1015673
2-Hexanone	U		0.00147	0.0108	1	09/01/2017 17:55	WG1015673
n-Hexane	0.00248	J J0	0.000312	0.0108	1	09/01/2017 17:55	WG1015673
Iodomethane	U		0.00272	0.0108	1	09/01/2017 17:55	WG1015673
Isopropylbenzene	U		0.000262	0.00108	1	09/01/2017 17:55	WG1015673
p-Isopropyltoluene	U		0.000220	0.00108	1	09/01/2017 17:55	WG1015673
2-Butanone (MEK)	U		0.00504	0.0108	1	09/01/2017 17:55	WG1015673
Methylene Chloride	U		0.00108	0.00538	1	09/01/2017 17:55	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	09/01/2017 17:55	WG1015673

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

Analyte	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	09/01/2017 17:55	WG1015673
Naphthalene	U		0.00108	0.00538	1	09/01/2017 17:55	WG1015673
n-Propylbenzene	U		0.000222	0.00108	1	09/01/2017 17:55	WG1015673
Styrene	U		0.000252	0.00108	1	09/01/2017 17:55	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	09/01/2017 17:55	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	09/01/2017 17:55	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000393	0.00108	1	09/01/2017 17:55	WG1015673
Tetrachloroethene	0.000478	J	0.000297	0.00108	1	09/01/2017 17:55	WG1015673
Toluene	U		0.000467	0.00538	1	09/01/2017 17:55	WG1015673
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	09/01/2017 17:55	WG1015673
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	09/01/2017 17:55	WG1015673
1,1,1-Trichloroethane	U		0.000308	0.00108	1	09/01/2017 17:55	WG1015673
1,1,2-Trichloroethane	U		0.000298	0.00108	1	09/01/2017 17:55	WG1015673
Trichloroethene	U		0.000300	0.00108	1	09/01/2017 17:55	WG1015673
Trichlorofluoromethane	U		0.000411	0.00538	1	09/01/2017 17:55	WG1015673
1,2,3-Trichloropropane	U		0.000797	0.00269	1	09/01/2017 17:55	WG1015673
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	09/01/2017 17:55	WG1015673
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	09/01/2017 17:55	WG1015673
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	09/01/2017 17:55	WG1015673
Vinyl acetate	U		0.00257	0.0108	1	09/01/2017 17:55	WG1015673
Vinyl chloride	0.00161		0.000313	0.00108	1	09/01/2017 17:55	WG1015673
Xylenes, Total	U		0.000751	0.00323	1	09/01/2017 17:55	WG1015673
(S) Toluene-d8	*99.4*			*80.0-120*		*09/01/2017 17:55*	WG1015673
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 17:55*	WG1015673
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/01/2017 17:55*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.0		1	09/05/2017 09:01	WG1016734

Volatile Organic Compounds (GC/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	0.0105	0.0526	1	09/01/2017 18:14	WG1015673
Acrylonitrile	U		0.00188	0.0105	1	09/01/2017 18:14	WG1015673
Benzene	U		0.000284	0.00105	1	09/01/2017 18:14	WG1015673
Bromobenzene	U		0.000299	0.00105	1	09/01/2017 18:14	WG1015673
Bromodichloromethane	U		0.000267	0.00105	1	09/01/2017 18:14	WG1015673
Bromochloromethane	U		0.000410	0.00526	1	09/01/2017 18:14	WG1015673
Bromoform	U		0.000446	0.00105	1	09/01/2017 18:14	WG1015673
Bromomethane	U		0.00141	0.00526	1	09/01/2017 18:14	WG1015673
n-Butylbenzene	U		0.000272	0.00105	1	09/01/2017 18:14	WG1015673
sec-Butylbenzene	U		0.000212	0.00105	1	09/01/2017 18:14	WG1015673
tert-Butylbenzene	U		0.000217	0.00105	1	09/01/2017 18:14	WG1015673
Carbon disulfide	0.00210	J3	0.000233	0.00105	1	09/01/2017 18:14	WG1015673
Carbon tetrachloride	U		0.000345	0.00105	1	09/01/2017 18:14	WG1015673
Chlorobenzene	U		0.000223	0.00105	1	09/01/2017 18:14	WG1015673
Chlorodibromomethane	U		0.000393	0.00105	1	09/01/2017 18:14	WG1015673
Chloroethane	U		0.000996	0.00526	1	09/01/2017 18:14	WG1015673
Chloroform	U		0.000241	0.00526	1	09/01/2017 18:14	WG1015673
Chloromethane	U	J0	0.000395	0.00263	1	09/01/2017 18:14	WG1015673
2-Chlorotoluene	U		0.000317	0.00105	1	09/01/2017 18:14	WG1015673
4-Chlorotoluene	U		0.000253	0.00105	1	09/01/2017 18:14	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00526	1	09/01/2017 18:14	WG1015673
1,2-Dibromoethane	U		0.000361	0.00105	1	09/01/2017 18:14	WG1015673
Dibromomethane	U		0.000402	0.00105	1	09/01/2017 18:14	WG1015673
1,2-Dichlorobenzene	U		0.000321	0.00105	1	09/01/2017 18:14	WG1015673
1,3-Dichlorobenzene	U		0.000252	0.00105	1	09/01/2017 18:14	WG1015673
1,4-Dichlorobenzene	U		0.000238	0.00105	1	09/01/2017 18:14	WG1015673
Dichlorodifluoromethane	U		0.000750	0.00526	1	09/01/2017 18:14	WG1015673
1,1-Dichloroethane	U		0.000209	0.00105	1	09/01/2017 18:14	WG1015673
1,2-Dichloroethane	U		0.000279	0.00105	1	09/01/2017 18:14	WG1015673
1,1-Dichloroethene	U		0.000319	0.00105	1	09/01/2017 18:14	WG1015673
cis-1,2-Dichloroethene	0.0117		0.000247	0.00105	1	09/01/2017 18:14	WG1015673
trans-1,2-Dichloroethene	U		0.000278	0.00105	1	09/01/2017 18:14	WG1015673
1,2-Dichloropropane	U		0.000377	0.00105	1	09/01/2017 18:14	WG1015673
1,1-Dichloropropene	U		0.000334	0.00105	1	09/01/2017 18:14	WG1015673
1,3-Dichloropropane	U		0.000218	0.00105	1	09/01/2017 18:14	WG1015673
cis-1,3-Dichloropropene	U		0.000276	0.00105	1	09/01/2017 18:14	WG1015673
trans-1,3-Dichloropropene	U		0.000281	0.00105	1	09/01/2017 18:14	WG1015673
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000819	0.00263	1	09/01/2017 18:14	WG1015673
2,2-Dichloropropane	U		0.000294	0.00105	1	09/01/2017 18:14	WG1015673
Di-isopropyl ether	U		0.000261	0.00105	1	09/01/2017 18:14	WG1015673
Ethylbenzene	U		0.000313	0.00105	1	09/01/2017 18:14	WG1015673
Hexachloro-1,3-butadiene	U		0.000360	0.00105	1	09/01/2017 18:14	WG1015673
2-Hexanone	U		0.00144	0.0105	1	09/01/2017 18:14	WG1015673
n-Hexane	0.00176	J J0	0.000305	0.0105	1	09/01/2017 18:14	WG1015673
Iodomethane	U		0.00266	0.0105	1	09/01/2017 18:14	WG1015673
Isopropylbenzene	U		0.000256	0.00105	1	09/01/2017 18:14	WG1015673
p-Isopropyltoluene	U		0.000215	0.00105	1	09/01/2017 18:14	WG1015673
2-Butanone (MEK)	U		0.00493	0.0105	1	09/01/2017 18:14	WG1015673
Methylene Chloride	U		0.00105	0.00526	1	09/01/2017 18:14	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	09/01/2017 18:14	WG1015673

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000223	0.00105	1	09/01/2017 18:14	WG1015673
Naphthalene	U		0.00105	0.00526	1	09/01/2017 18:14	WG1015673
n-Propylbenzene	U		0.000217	0.00105	1	09/01/2017 18:14	WG1015673
Styrene	U		0.000246	0.00105	1	09/01/2017 18:14	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000278	0.00105	1	09/01/2017 18:14	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000384	0.00105	1	09/01/2017 18:14	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000384	0.00105	1	09/01/2017 18:14	WG1015673
Tetrachloroethene	0.00777	J0	0.000290	0.00105	1	09/01/2017 18:14	WG1015673
Toluene	U		0.000457	0.00526	1	09/01/2017 18:14	WG1015673
1,2,3-Trichlorobenzene	U		0.000322	0.00105	1	09/01/2017 18:14	WG1015673
1,2,4-Trichlorobenzene	U		0.000408	0.00105	1	09/01/2017 18:14	WG1015673
1,1,1-Trichloroethane	U		0.000301	0.00105	1	09/01/2017 18:14	WG1015673
1,1,2-Trichloroethane	U		0.000292	0.00105	1	09/01/2017 18:14	WG1015673
Trichloroethene	0.000437	J	0.000294	0.00105	1	09/01/2017 18:14	WG1015673
Trichlorofluoromethane	U		0.000402	0.00526	1	09/01/2017 18:14	WG1015673
1,2,3-Trichloropropane	U		0.000780	0.00263	1	09/01/2017 18:14	WG1015673
1,2,4-Trimethylbenzene	U		0.000222	0.00105	1	09/01/2017 18:14	WG1015673
1,2,3-Trimethylbenzene	U		0.000302	0.00105	1	09/01/2017 18:14	WG1015673
1,3,5-Trimethylbenzene	U		0.000280	0.00105	1	09/01/2017 18:14	WG1015673
Vinyl acetate	U	J0	0.00252	0.0105	1	09/01/2017 18:14	WG1015673
Vinyl chloride	U		0.000306	0.00105	1	09/01/2017 18:14	WG1015673
Xylenes, Total	U		0.000735	0.00316	1	09/01/2017 18:14	WG1015673
(S) Toluene-d8	*99.5*			*80.0-120*		*09/01/2017 18:14*	WG1015673
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/01/2017 18:14*	WG1015673
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/01/2017 18:14*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	09/05/2017 08:49	WG1016735

Volatile Organic Compounds (GC/MS) 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	0.0546	1	09/01/2017 18:34	WG1015673
Acrylonitrile	U		0.00196	0.0109	1	09/01/2017 18:34	WG1015673
Benzene	U		0.000295	0.00109	1	09/01/2017 18:34	WG1015673
Bromobenzene	U		0.000310	0.00109	1	09/01/2017 18:34	WG1015673
Bromodichloromethane	U		0.000277	0.00109	1	09/01/2017 18:34	WG1015673
Bromochloromethane	U		0.000426	0.00546	1	09/01/2017 18:34	WG1015673
Bromoform	U		0.000463	0.00109	1	09/01/2017 18:34	WG1015673
Bromomethane	U		0.00146	0.00546	1	09/01/2017 18:34	WG1015673
n-Butylbenzene	U		0.000282	0.00109	1	09/01/2017 18:34	WG1015673
sec-Butylbenzene	U		0.000220	0.00109	1	09/01/2017 18:34	WG1015673
tert-Butylbenzene	U		0.000225	0.00109	1	09/01/2017 18:34	WG1015673
Carbon disulfide	0.00126	J3	0.000241	0.00109	1	09/01/2017 18:34	WG1015673
Carbon tetrachloride	U		0.000358	0.00109	1	09/01/2017 18:34	WG1015673
Chlorobenzene	U		0.000232	0.00109	1	09/01/2017 18:34	WG1015673
Chlorodibromomethane	U		0.000407	0.00109	1	09/01/2017 18:34	WG1015673
Chloroethane	U		0.00103	0.00546	1	09/01/2017 18:34	WG1015673
Chloroform	U		0.000250	0.00546	1	09/01/2017 18:34	WG1015673
Chloromethane	U	J0	0.000410	0.00273	1	09/01/2017 18:34	WG1015673
2-Chlorotoluene	U		0.000329	0.00109	1	09/01/2017 18:34	WG1015673
4-Chlorotoluene	U		0.000262	0.00109	1	09/01/2017 18:34	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	09/01/2017 18:34	WG1015673
1,2-Dibromoethane	U		0.000375	0.00109	1	09/01/2017 18:34	WG1015673
Dibromomethane	U		0.000417	0.00109	1	09/01/2017 18:34	WG1015673
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/01/2017 18:34	WG1015673
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/01/2017 18:34	WG1015673
1,4-Dichlorobenzene	U		0.000247	0.00109	1	09/01/2017 18:34	WG1015673
Dichlorodifluoromethane	U		0.000779	0.00546	1	09/01/2017 18:34	WG1015673
1,1-Dichloroethane	U		0.000217	0.00109	1	09/01/2017 18:34	WG1015673
1,2-Dichloroethane	U		0.000289	0.00109	1	09/01/2017 18:34	WG1015673
1,1-Dichloroethene	U		0.000331	0.00109	1	09/01/2017 18:34	WG1015673
cis-1,2-Dichloroethene	0.0141		0.000257	0.00109	1	09/01/2017 18:34	WG1015673
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/01/2017 18:34	WG1015673
1,2-Dichloropropane	U		0.000391	0.00109	1	09/01/2017 18:34	WG1015673
1,1-Dichloropropene	U		0.000346	0.00109	1	09/01/2017 18:34	WG1015673
1,3-Dichloropropane	U		0.000226	0.00109	1	09/01/2017 18:34	WG1015673
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/01/2017 18:34	WG1015673
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	09/01/2017 18:34	WG1015673
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000850	0.00273	1	09/01/2017 18:34	WG1015673
2,2-Dichloropropane	U		0.000305	0.00109	1	09/01/2017 18:34	WG1015673
Di-isopropyl ether	U	J0	0.000271	0.00109	1	09/01/2017 18:34	WG1015673
Ethylbenzene	U		0.000324	0.00109	1	09/01/2017 18:34	WG1015673
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	09/01/2017 18:34	WG1015673
2-Hexanone	U		0.00150	0.0109	1	09/01/2017 18:34	WG1015673
n-Hexane	0.000689	J J0	0.000317	0.0109	1	09/01/2017 18:34	WG1015673
Iodomethane	U		0.00276	0.0109	1	09/01/2017 18:34	WG1015673
Isopropylbenzene	U		0.000265	0.00109	1	09/01/2017 18:34	WG1015673
p-Isopropyltoluene	U		0.000223	0.00109	1	09/01/2017 18:34	WG1015673
2-Butanone (MEK)	U		0.00511	0.0109	1	09/01/2017 18:34	WG1015673
Methylene Chloride	U		0.00109	0.00546	1	09/01/2017 18:34	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/01/2017 18:34	WG1015673

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

Analyte	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	09/01/2017 18:34	WG1015673
Naphthalene	U		0.00109	0.00546	1	09/01/2017 18:34	WG1015673
n-Propylbenzene	U		0.000225	0.00109	1	09/01/2017 18:34	WG1015673
Styrene	U		0.000256	0.00109	1	09/01/2017 18:34	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	09/01/2017 18:34	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	09/01/2017 18:34	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000399	0.00109	1	09/01/2017 18:34	WG1015673
Tetrachloroethene	0.00621		0.000301	0.00109	1	09/01/2017 18:34	WG1015673
Toluene	U		0.000474	0.00546	1	09/01/2017 18:34	WG1015673
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	09/01/2017 18:34	WG1015673
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	09/01/2017 18:34	WG1015673
1,1,1-Trichloroethane	U		0.000312	0.00109	1	09/01/2017 18:34	WG1015673
1,1,2-Trichloroethane	U		0.000303	0.00109	1	09/01/2017 18:34	WG1015673
Trichloroethene	0.000324	J	0.000305	0.00109	1	09/01/2017 18:34	WG1015673
Trichlorofluoromethane	U		0.000417	0.00546	1	09/01/2017 18:34	WG1015673
1,2,3-Trichloropropane	U		0.000809	0.00273	1	09/01/2017 18:34	WG1015673
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/01/2017 18:34	WG1015673
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	09/01/2017 18:34	WG1015673
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	09/01/2017 18:34	WG1015673
Vinyl acetate	U	J0	0.00261	0.0109	1	09/01/2017 18:34	WG1015673
Vinyl chloride	U		0.000318	0.00109	1	09/01/2017 18:34	WG1015673
Xylenes, Total	U		0.000762	0.00328	1	09/01/2017 18:34	WG1015673
(S) Toluene-d8	*102*			*80.0-120*		*09/01/2017 18:34*	WG1015673
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 18:34*	WG1015673
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/01/2017 18:34*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	09/05/2017 08:49	WG1016735

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0239	J	0.0112	0.0561	1	09/01/2017 18:53	WG1015673
Acrylonitrile	U		0.00201	0.0112	1	09/01/2017 18:53	WG1015673
Benzene	U		0.000303	0.00112	1	09/01/2017 18:53	WG1015673
Bromobenzene	U		0.000319	0.00112	1	09/01/2017 18:53	WG1015673
Bromodichloromethane	U		0.000285	0.00112	1	09/01/2017 18:53	WG1015673
Bromochloromethane	U		0.000438	0.00561	1	09/01/2017 18:53	WG1015673
Bromoform	U		0.000476	0.00112	1	09/01/2017 18:53	WG1015673
Bromomethane	U		0.00150	0.00561	1	09/01/2017 18:53	WG1015673
n-Butylbenzene	U		0.000290	0.00112	1	09/01/2017 18:53	WG1015673
sec-Butylbenzene	U		0.000226	0.00112	1	09/01/2017 18:53	WG1015673
tert-Butylbenzene	U		0.000231	0.00112	1	09/01/2017 18:53	WG1015673
Carbon disulfide	0.00112	J J3	0.000248	0.00112	1	09/01/2017 18:53	WG1015673
Carbon tetrachloride	U		0.000368	0.00112	1	09/01/2017 18:53	WG1015673
Chlorobenzene	U		0.000238	0.00112	1	09/01/2017 18:53	WG1015673
Chlorodibromomethane	U		0.000419	0.00112	1	09/01/2017 18:53	WG1015673
Chloroethane	U		0.00106	0.00561	1	09/01/2017 18:53	WG1015673
Chloroform	U		0.000257	0.00561	1	09/01/2017 18:53	WG1015673
Chloromethane	U	J0	0.000421	0.00281	1	09/01/2017 18:53	WG1015673
2-Chlorotoluene	U		0.000338	0.00112	1	09/01/2017 18:53	WG1015673
4-Chlorotoluene	U		0.000269	0.00112	1	09/01/2017 18:53	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	09/01/2017 18:53	WG1015673
1,2-Dibromoethane	U		0.000385	0.00112	1	09/01/2017 18:53	WG1015673
Dibromomethane	U		0.000429	0.00112	1	09/01/2017 18:53	WG1015673
1,2-Dichlorobenzene	U		0.000342	0.00112	1	09/01/2017 18:53	WG1015673
1,3-Dichlorobenzene	U		0.000268	0.00112	1	09/01/2017 18:53	WG1015673
1,4-Dichlorobenzene	U		0.000254	0.00112	1	09/01/2017 18:53	WG1015673
Dichlorodifluoromethane	U		0.000800	0.00561	1	09/01/2017 18:53	WG1015673
1,1-Dichloroethane	U		0.000223	0.00112	1	09/01/2017 18:53	WG1015673
1,2-Dichloroethane	U		0.000297	0.00112	1	09/01/2017 18:53	WG1015673
1,1-Dichloroethene	0.000371	J	0.000340	0.00112	1	09/01/2017 18:53	WG1015673
cis-1,2-Dichloroethene	0.174		0.000264	0.00112	1	09/01/2017 18:53	WG1015673
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	09/01/2017 18:53	WG1015673
1,2-Dichloropropane	U		0.000402	0.00112	1	09/01/2017 18:53	WG1015673
1,1-Dichloropropene	U		0.000356	0.00112	1	09/01/2017 18:53	WG1015673
1,3-Dichloropropane	U		0.000232	0.00112	1	09/01/2017 18:53	WG1015673
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	09/01/2017 18:53	WG1015673
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	09/01/2017 18:53	WG1015673
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000873	0.00281	1	09/01/2017 18:53	WG1015673
2,2-Dichloropropane	U		0.000313	0.00112	1	09/01/2017 18:53	WG1015673
Di-isopropyl ether	U	J0	0.000278	0.00112	1	09/01/2017 18:53	WG1015673
Ethylbenzene	U		0.000333	0.00112	1	09/01/2017 18:53	WG1015673
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	09/01/2017 18:53	WG1015673
2-Hexanone	U		0.00154	0.0112	1	09/01/2017 18:53	WG1015673
n-Hexane	0.000656	J	0.000325	0.0112	1	09/01/2017 18:53	WG1015673
Iodomethane	U		0.00284	0.0112	1	09/01/2017 18:53	WG1015673
Isopropylbenzene	U		0.000273	0.00112	1	09/01/2017 18:53	WG1015673
p-Isopropyltoluene	U		0.000229	0.00112	1	09/01/2017 18:53	WG1015673
2-Butanone (MEK)	0.0640		0.00525	0.0112	1	09/01/2017 18:53	WG1015673
Methylene Chloride	U		0.00112	0.00561	1	09/01/2017 18:53	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	09/01/2017 18:53	WG1015673

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

Analyte	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	09/01/2017 18:53	WG1015673
Naphthalene	U		0.00112	0.00561	1	09/01/2017 18:53	WG1015673
n-Propylbenzene	U		0.000231	0.00112	1	09/01/2017 18:53	WG1015673
Styrene	U		0.000263	0.00112	1	09/01/2017 18:53	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	09/01/2017 18:53	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000410	0.00112	1	09/01/2017 18:53	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000410	0.00112	1	09/01/2017 18:53	WG1015673
Tetrachloroethene	0.0853	J0	0.000310	0.00112	1	09/01/2017 18:53	WG1015673
Toluene	U		0.000487	0.00561	1	09/01/2017 18:53	WG1015673
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	09/01/2017 18:53	WG1015673
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	09/01/2017 18:53	WG1015673
1,1,1-Trichloroethane	U		0.000321	0.00112	1	09/01/2017 18:53	WG1015673
1,1,2-Trichloroethane	U		0.000311	0.00112	1	09/01/2017 18:53	WG1015673
Trichloroethene	0.00255		0.000313	0.00112	1	09/01/2017 18:53	WG1015673
Trichlorofluoromethane	U		0.000429	0.00561	1	09/01/2017 18:53	WG1015673
1,2,3-Trichloropropane	U		0.000832	0.00281	1	09/01/2017 18:53	WG1015673
1,2,4-Trimethylbenzene	U		0.000237	0.00112	1	09/01/2017 18:53	WG1015673
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	09/01/2017 18:53	WG1015673
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	09/01/2017 18:53	WG1015673
Vinyl acetate	U	J0	0.00268	0.0112	1	09/01/2017 18:53	WG1015673
Vinyl chloride	U		0.000327	0.00112	1	09/01/2017 18:53	WG1015673
Xylenes, Total	U		0.000783	0.00337	1	09/01/2017 18:53	WG1015673
(S) Toluene-d8	*101*			*80.0-120*		*09/01/2017 18:53*	WG1015673
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 18:53*	WG1015673
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/01/2017 18:53*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	09/05/2017 08:49	WG1016735

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0237	J	0.0114	0.0571	1	09/01/2017 19:13	WG1015673
Acrylonitrile	U		0.00204	0.0114	1	09/01/2017 19:13	WG1015673
Benzene	U		0.000308	0.00114	1	09/01/2017 19:13	WG1015673
Bromobenzene	U		0.000324	0.00114	1	09/01/2017 19:13	WG1015673
Bromodichloromethane	U		0.000290	0.00114	1	09/01/2017 19:13	WG1015673
Bromochloromethane	U		0.000445	0.00571	1	09/01/2017 19:13	WG1015673
Bromoform	U		0.000484	0.00114	1	09/01/2017 19:13	WG1015673
Bromomethane	U		0.00153	0.00571	1	09/01/2017 19:13	WG1015673
n-Butylbenzene	U		0.000294	0.00114	1	09/01/2017 19:13	WG1015673
sec-Butylbenzene	U		0.000229	0.00114	1	09/01/2017 19:13	WG1015673
tert-Butylbenzene	U		0.000235	0.00114	1	09/01/2017 19:13	WG1015673
Carbon disulfide	0.00345	J3	0.000252	0.00114	1	09/01/2017 19:13	WG1015673
Carbon tetrachloride	U		0.000374	0.00114	1	09/01/2017 19:13	WG1015673
Chlorobenzene	U		0.000242	0.00114	1	09/01/2017 19:13	WG1015673
Chlorodibromomethane	U		0.000426	0.00114	1	09/01/2017 19:13	WG1015673
Chloroethane	U		0.00108	0.00571	1	09/01/2017 19:13	WG1015673
Chloroform	U		0.000261	0.00571	1	09/01/2017 19:13	WG1015673
Chloromethane	U	J0	0.000428	0.00285	1	09/01/2017 19:13	WG1015673
2-Chlorotoluene	U		0.000343	0.00114	1	09/01/2017 19:13	WG1015673
4-Chlorotoluene	U		0.000274	0.00114	1	09/01/2017 19:13	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	09/01/2017 19:13	WG1015673
1,2-Dibromoethane	U		0.000391	0.00114	1	09/01/2017 19:13	WG1015673
Dibromomethane	U		0.000436	0.00114	1	09/01/2017 19:13	WG1015673
1,2-Dichlorobenzene	U		0.000348	0.00114	1	09/01/2017 19:13	WG1015673
1,3-Dichlorobenzene	U		0.000273	0.00114	1	09/01/2017 19:13	WG1015673
1,4-Dichlorobenzene	U		0.000258	0.00114	1	09/01/2017 19:13	WG1015673
Dichlorodifluoromethane	U		0.000814	0.00571	1	09/01/2017 19:13	WG1015673
1,1-Dichloroethane	U		0.000227	0.00114	1	09/01/2017 19:13	WG1015673
1,2-Dichloroethane	U		0.000302	0.00114	1	09/01/2017 19:13	WG1015673
1,1-Dichloroethene	U		0.000346	0.00114	1	09/01/2017 19:13	WG1015673
cis-1,2-Dichloroethene	0.00307		0.000268	0.00114	1	09/01/2017 19:13	WG1015673
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	09/01/2017 19:13	WG1015673
1,2-Dichloropropane	U		0.000409	0.00114	1	09/01/2017 19:13	WG1015673
1,1-Dichloropropene	U		0.000362	0.00114	1	09/01/2017 19:13	WG1015673
1,3-Dichloropropane	U		0.000236	0.00114	1	09/01/2017 19:13	WG1015673
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	09/01/2017 19:13	WG1015673
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	09/01/2017 19:13	WG1015673
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000888	0.00285	1	09/01/2017 19:13	WG1015673
2,2-Dichloropropane	U		0.000318	0.00114	1	09/01/2017 19:13	WG1015673
Di-isopropyl ether	U	J0	0.000283	0.00114	1	09/01/2017 19:13	WG1015673
Ethylbenzene	U		0.000339	0.00114	1	09/01/2017 19:13	WG1015673
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/01/2017 19:13	WG1015673
2-Hexanone	U		0.00156	0.0114	1	09/01/2017 19:13	WG1015673
n-Hexane	0.00634	J	0.000331	0.0114	1	09/01/2017 19:13	WG1015673
Iodomethane	U		0.00289	0.0114	1	09/01/2017 19:13	WG1015673
Isopropylbenzene	U		0.000277	0.00114	1	09/01/2017 19:13	WG1015673
p-Isopropyltoluene	U		0.000233	0.00114	1	09/01/2017 19:13	WG1015673
2-Butanone (MEK)	0.0183		0.00534	0.0114	1	09/01/2017 19:13	WG1015673
Methylene Chloride	U		0.00114	0.00571	1	09/01/2017 19:13	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	09/01/2017 19:13	WG1015673

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

Analyte	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	09/01/2017 19:13	WG1015673
Naphthalene	U		0.00114	0.00571	1	09/01/2017 19:13	WG1015673
n-Propylbenzene	U		0.000235	0.00114	1	09/01/2017 19:13	WG1015673
Styrene	U		0.000267	0.00114	1	09/01/2017 19:13	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/01/2017 19:13	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	09/01/2017 19:13	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000417	0.00114	1	09/01/2017 19:13	WG1015673
Tetrachloroethene	0.00134	J0	0.000315	0.00114	1	09/01/2017 19:13	WG1015673
Toluene	U		0.000495	0.00571	1	09/01/2017 19:13	WG1015673
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/01/2017 19:13	WG1015673
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	09/01/2017 19:13	WG1015673
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/01/2017 19:13	WG1015673
1,1,2-Trichloroethane	U		0.000316	0.00114	1	09/01/2017 19:13	WG1015673
Trichloroethene	U		0.000318	0.00114	1	09/01/2017 19:13	WG1015673
Trichlorofluoromethane	U		0.000436	0.00571	1	09/01/2017 19:13	WG1015673
1,2,3-Trichloropropane	U		0.000846	0.00285	1	09/01/2017 19:13	WG1015673
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	09/01/2017 19:13	WG1015673
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	09/01/2017 19:13	WG1015673
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	09/01/2017 19:13	WG1015673
Vinyl acetate	U	J0	0.00273	0.0114	1	09/01/2017 19:13	WG1015673
Vinyl chloride	0.000670	J	0.000332	0.00114	1	09/01/2017 19:13	WG1015673
Xylenes, Total	U		0.000797	0.00342	1	09/01/2017 19:13	WG1015673
(S) Toluene-d8	*105*			*80.0-120*		*09/01/2017 19:13*	WG1015673
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 19:13*	WG1015673
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/01/2017 19:13*	WG1015673

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		10.0	50.0	1	08/30/2017 23:48	WG1015444
Acrolein	18.5	J J4	8.87	50.0	1	08/30/2017 23:48	WG1015444
Acrylonitrile	U		1.87	10.0	1	08/30/2017 23:48	WG1015444
Benzene	U		0.331	1.00	1	08/30/2017 23:48	WG1015444
Bromobenzene	U		0.352	1.00	1	08/30/2017 23:48	WG1015444
Bromodichloromethane	U		0.380	1.00	1	08/30/2017 23:48	WG1015444
Bromoform	U		0.469	1.00	1	08/30/2017 23:48	WG1015444
Bromomethane	U		0.866	5.00	1	08/30/2017 23:48	WG1015444
n-Butylbenzene	U		0.361	1.00	1	08/30/2017 23:48	WG1015444
sec-Butylbenzene	U		0.365	1.00	1	08/30/2017 23:48	WG1015444
tert-Butylbenzene	U		0.399	1.00	1	08/30/2017 23:48	WG1015444
Carbon tetrachloride	U		0.379	1.00	1	08/30/2017 23:48	WG1015444
Chlorobenzene	U		0.348	1.00	1	08/30/2017 23:48	WG1015444
Chlorodibromomethane	U		0.327	1.00	1	08/30/2017 23:48	WG1015444
Chloroethane	U		0.453	5.00	1	08/30/2017 23:48	WG1015444
Chloroform	U		0.324	5.00	1	08/30/2017 23:48	WG1015444
Chloromethane	U		0.276	2.50	1	08/30/2017 23:48	WG1015444
2-Chlorotoluene	U		0.375	1.00	1	08/30/2017 23:48	WG1015444
4-Chlorotoluene	U		0.351	1.00	1	08/30/2017 23:48	WG1015444
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	08/30/2017 23:48	WG1015444
1,2-Dibromoethane	U		0.381	1.00	1	08/30/2017 23:48	WG1015444
Dibromomethane	U		0.346	1.00	1	08/30/2017 23:48	WG1015444
1,2-Dichlorobenzene	U		0.349	1.00	1	08/30/2017 23:48	WG1015444
1,3-Dichlorobenzene	U		0.220	1.00	1	08/30/2017 23:48	WG1015444
1,4-Dichlorobenzene	U		0.274	1.00	1	08/30/2017 23:48	WG1015444
Dichlorodifluoromethane	U		0.551	5.00	1	08/30/2017 23:48	WG1015444
1,1-Dichloroethane	U		0.259	1.00	1	08/30/2017 23:48	WG1015444
1,2-Dichloroethane	U		0.361	1.00	1	08/30/2017 23:48	WG1015444
1,1-Dichloroethene	U		0.398	1.00	1	08/30/2017 23:48	WG1015444
cis-1,2-Dichloroethene	U		0.260	1.00	1	08/30/2017 23:48	WG1015444
trans-1,2-Dichloroethene	U		0.396	1.00	1	08/30/2017 23:48	WG1015444
1,2-Dichloropropane	U		0.306	1.00	1	08/30/2017 23:48	WG1015444
1,1-Dichloropropene	U		0.352	1.00	1	08/30/2017 23:48	WG1015444
1,3-Dichloropropane	U		0.366	1.00	1	08/30/2017 23:48	WG1015444
cis-1,3-Dichloropropene	U		0.418	1.00	1	08/30/2017 23:48	WG1015444
trans-1,3-Dichloropropene	U		0.419	1.00	1	08/30/2017 23:48	WG1015444
2,2-Dichloropropane	U		0.321	1.00	1	08/30/2017 23:48	WG1015444
Di-isopropyl ether	U		0.320	1.00	1	08/30/2017 23:48	WG1015444
Ethylbenzene	U		0.384	1.00	1	08/30/2017 23:48	WG1015444
Hexachloro-1,3-butadiene	U		0.256	1.00	1	08/30/2017 23:48	WG1015444
Isopropylbenzene	U		0.326	1.00	1	08/30/2017 23:48	WG1015444
p-Isopropyltoluene	U		0.350	1.00	1	08/30/2017 23:48	WG1015444
2-Butanone (MEK)	U		3.93	10.0	1	08/30/2017 23:48	WG1015444
Methylene Chloride	U		1.00	5.00	1	08/30/2017 23:48	WG1015444
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	08/30/2017 23:48	WG1015444
Methyl tert-butyl ether	U		0.367	1.00	1	08/30/2017 23:48	WG1015444
Naphthalene	U		1.00	5.00	1	08/30/2017 23:48	WG1015444
n-Propylbenzene	U		0.349	1.00	1	08/30/2017 23:48	WG1015444
Styrene	U		0.307	1.00	1	08/30/2017 23:48	WG1015444
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	08/30/2017 23:48	WG1015444
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	08/30/2017 23:48	WG1015444
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00	1	08/30/2017 23:48	WG1015444
Tetrachloroethene	U		0.372	1.00	1	08/30/2017 23:48	WG1015444
Toluene	U		0.412	1.00	1	08/30/2017 23:48	WG1015444
1,2,3-Trichlorobenzene	U		0.230	1.00	1	08/30/2017 23:48	WG1015444
1,2,4-Trichlorobenzene	U		0.355	1.00	1	08/30/2017 23:48	WG1015444

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.319	1.00	1	08/30/2017 23:48	WG1015444
1,1,2-Trichloroethane	U		0.383	1.00	1	08/30/2017 23:48	WG1015444
Trichloroethene	U		0.398	1.00	1	08/30/2017 23:48	WG1015444
Trichlorofluoromethane	U		1.20	5.00	1	08/30/2017 23:48	WG1015444
1,2,3-Trichloropropane	U		0.807	2.50	1	08/30/2017 23:48	WG1015444
1,2,4-Trimethylbenzene	U		0.373	1.00	1	08/30/2017 23:48	WG1015444
1,2,3-Trimethylbenzene	U		0.321	1.00	1	08/30/2017 23:48	WG1015444
1,3,5-Trimethylbenzene	U		0.387	1.00	1	08/30/2017 23:48	WG1015444
Vinyl chloride	U		0.259	1.00	1	08/30/2017 23:48	WG1015444
Xylenes, Total	U		1.06	3.00	1	08/30/2017 23:48	WG1015444
(S) Toluene-d8	*114*			*80.0-120*		*08/30/2017 23:48*	WG1015444
(S) Dibromofluoromethane	*85.2*			*76.0-123*		*08/30/2017 23:48*	WG1015444
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*08/30/2017 23:48*	WG1015444

Method Blank (MB)

(MB) R3247003-1 09/05/17 09:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000200			

L932601-05 Original Sample (OS) • Duplicate (DUP)

(OS) L932601-05 09/05/17 09:01 • (DUP) R3247003-3 09/05/17 09:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	90.1	89.3	1	0.849		5

Laboratory Control Sample (LCS)

(LCS) R3247003-2 09/05/17 09:01

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) R3247002-1 09/05/17 08:49

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000400			

L932611-06 Original Sample (OS) • Duplicate (DUP)

(OS) L932611-06 09/05/17 08:49 • (DUP) R3247002-3 09/05/17 08:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.6	92.2	1	0.731		5

Laboratory Control Sample (LCS)

(LCS) R3247002-2 09/05/17 08:49

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

Method Blank (MB)

(MB) R3246569-3 08/31/17 11:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.0427	J	0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*77.0-120*

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

(LCS) R3246569-1 08/31/17 09:59 • (LCSD) R3246569-2 08/31/17 10:22

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	4.68	5.27	85.1	95.8	70.0-133			11.8	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*108*	*77.0-120*				

Method Blank (MB)

(MB) R3246610-3 08/30/17 23:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00
Hexachloro-1,3-butadiene	U		0.256	1.00

Method Blank (MB)

(MB) R3246610-3 08/30/17 23:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,4-Trimethylbenzene	U		0.373	1.00
1,2,3-Trimethylbenzene	U		0.321	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*97.5*			*76.0-123*
(S) 4-Bromofluorobenzene	*101*			*80.0-120*

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

(LCS) R3246610-1 08/30/17 22:12 • (LCSD) R3246610-2 08/30/17 22:31

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	126	105	101	83.6	10.0-160			18.6	23
Acrylonitrile	125	144	141	115	113	60.0-142			2.07	20
Benzene	25.0	26.0	26.0	104	104	69.0-123			0.0800	20
Bromobenzene	25.0	24.6	24.8	98.4	99.1	79.0-120			0.710	20

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

(LCS) R3246610-1 08/30/17 22:12 • (LCSD) R3246610-2 08/30/17 22:31

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 %
Bromodichloromethane	25.0	27.0	26.7	108	107	76.0-120			1.34	20
Bromoform	25.0	25.4	26.1	102	104	67.0-132			2.54	20
Bromomethane	25.0	26.1	25.1	105	100	18.0-160			4.01	20
n-Butylbenzene	25.0	24.3	24.0	97.0	96.1	72.0-126			0.950	20
sec-Butylbenzene	25.0	25.2	24.6	101	98.2	74.0-121			2.37	20
tert-Butylbenzene	25.0	25.9	24.8	103	99.2	75.0-122			4.17	20
Carbon tetrachloride	25.0	24.5	24.7	97.8	98.9	63.0-122			1.09	20
Chlorobenzene	25.0	26.3	25.7	105	103	79.0-121			2.09	20
Chlorodibromomethane	25.0	26.6	25.5	106	102	75.0-125			4.04	20
Chloroethane	25.0	27.5	26.2	110	105	47.0-152			5.12	20
Chloroform	25.0	26.4	26.3	106	105	72.0-121			0.600	20
Chloromethane	25.0	29.0	26.6	116	106	48.0-139			8.42	20
2-Chlorotoluene	25.0	26.0	25.6	104	102	74.0-122			1.60	20
4-Chlorotoluene	25.0	25.6	25.9	102	104	79.0-120			1.27	20
1,2-Dibromo-3-Chloropropane	25.0	26.2	24.4	105	97.5	64.0-127			7.17	20
1,2-Dibromoethane	25.0	25.0	24.9	100	99.6	77.0-123			0.500	20
Dibromomethane	25.0	28.0	28.0	112	112	78.0-120			0.0700	20
1,2-Dichlorobenzene	25.0	26.7	26.1	107	105	80.0-120			2.23	20
1,3-Dichlorobenzene	25.0	25.9	25.7	104	103	72.0-123			0.780	20
1,4-Dichlorobenzene	25.0	25.9	25.5	103	102	77.0-120			1.59	20
Dichlorodifluoromethane	25.0	26.9	27.3	108	109	49.0-155			1.44	20
1,1-Dichloroethane	25.0	27.4	27.3	110	109	70.0-126			0.330	20
1,2-Dichloroethane	25.0	26.8	26.8	107	107	67.0-126			0.0700	20
1,1-Dichloroethene	25.0	27.2	26.6	109	106	64.0-129			2.20	20
cis-1,2-Dichloroethene	25.0	26.9	26.9	108	108	73.0-120			0.150	20
trans-1,2-Dichloroethene	25.0	26.6	26.4	107	106	71.0-121			0.830	20
1,2-Dichloropropane	25.0	28.0	27.6	112	110	75.0-125			1.62	20
1,1-Dichloropropene	25.0	26.9	26.7	108	107	71.0-129			0.730	20
1,3-Dichloropropane	25.0	26.0	25.4	104	101	80.0-121			2.56	20
Acrolein	125	303	307	243	245	10.0-160	J4	J4	1.11	20
cis-1,3-Dichloropropene	25.0	28.5	28.0	114	112	79.0-123			1.66	20
trans-1,3-Dichloropropene	25.0	26.3	26.3	105	105	74.0-127			0.190	20
2,2-Dichloropropane	25.0	27.7	25.9	111	103	60.0-125			6.65	20
Di-isopropyl ether	25.0	27.4	26.7	110	107	59.0-133			2.84	20
Ethylbenzene	25.0	25.4	25.0	101	99.9	77.0-120			1.53	20
Hexachloro-1,3-butadiene	25.0	22.2	23.2	88.7	92.6	64.0-131			4.30	20
Isopropylbenzene	25.0	25.3	25.0	101	100	75.0-120			1.10	20
p-Isopropyltoluene	25.0	25.9	25.3	104	101	74.0-126			2.51	20
2-Butanone (MEK)	125	125	118	100	94.1	37.0-158			6.22	20
Methylene Chloride	25.0	26.3	26.2	105	105	66.0-121			0.390	20

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

(LCS) R3246610-1 08/30/17 22:12 • (LCSD) R3246610-2 08/30/17 22:31

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 %
4-Methyl-2-pentanone (MIBK)	125	137	128	109	103	59.0-143			6.22	20
Methyl tert-butyl ether	25.0	26.9	26.1	107	104	64.0-123			2.96	20
Naphthalene	25.0	23.4	22.6	93.7	90.3	62.0-128			3.65	20
n-Propylbenzene	25.0	25.4	25.6	102	102	79.0-120			0.700	20
Styrene	25.0	26.7	26.7	107	107	78.0-124			0.330	20
1,1,1,2-Tetrachloroethane	25.0	27.3	25.9	109	104	75.0-122			5.33	20
1,1,2,2-Tetrachloroethane	25.0	24.8	24.2	99.0	96.6	71.0-122			2.47	20
1,1,2-Trichlorotrifluoroethane	25.0	25.4	25.8	102	103	61.0-136			1.63	20
Tetrachloroethene	25.0	25.1	24.4	100	97.6	70.0-127			2.75	20
Toluene	25.0	24.6	24.2	98.3	96.7	77.0-120			1.61	20
1,2,3-Trichlorobenzene	25.0	24.1	24.8	96.6	99.4	61.0-133			2.85	20
1,2,4-Trichlorobenzene	25.0	25.9	25.2	103	101	69.0-129			2.41	20
1,1,1-Trichloroethane	25.0	26.7	26.0	107	104	68.0-122			2.70	20
1,1,2-Trichloroethane	25.0	25.5	25.1	102	100	78.0-120			1.52	20
Trichloroethene	25.0	26.7	26.5	107	106	78.0-120			0.960	20
Trichlorofluoromethane	25.0	26.9	26.4	107	106	56.0-137			1.71	20
1,2,3-Trichloropropane	25.0	25.7	25.2	103	101	72.0-124			1.74	20
1,2,4-Trimethylbenzene	25.0	26.5	25.3	106	101	75.0-120			4.64	20
1,2,3-Trimethylbenzene	25.0	25.7	24.7	103	98.9	75.0-120			3.71	20
1,3,5-Trimethylbenzene	25.0	25.4	24.7	102	98.7	75.0-120			2.79	20
Vinyl chloride	25.0	25.8	25.8	103	103	64.0-133			0.0100	20
Xylenes, Total	75.0	78.6	76.1	105	101	77.0-120			3.23	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*103*	*104*	*76.0-123*				
(S) 4-Bromofluorobenzene				*94.7*	*96.9*	*80.0-120*				

Method Blank (MB)

(MB) R3246630-3 09/01/17 14:11

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) R3246630-3 09/01/17 14:11

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	*106*			*80.0-120*
(S) Dibromofluoromethane	*95.8*			*74.0-131*
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*

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

(LCS) R3246630-1 09/01/17 13:12 • (LCSD) R3246630-2 09/01/17 13:32

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	0.166	0.157	133	126	11.0-160			5.28	23
Acrylonitrile	0.125	0.110	0.101	88.1	80.6	61.0-143			8.90	20
Benzene	0.0250	0.0231	0.0226	92.6	90.2	71.0-124			2.56	20
Bromobenzene	0.0250	0.0215	0.0211	86.2	84.6	78.0-120			1.89	20
Bromodichloromethane	0.0250	0.0240	0.0230	96.0	92.2	75.0-120			4.03	20
Bromochloromethane	0.0250	0.0254	0.0248	102	99.0	80.0-121			2.56	20
Bromoform	0.0250	0.0244	0.0247	97.6	98.7	65.0-133			1.13	20
Bromomethane	0.0250	0.0252	0.0247	101	98.7	26.0-160			2.20	20
n-Butylbenzene	0.0250	0.0249	0.0241	99.6	96.4	73.0-126			3.22	20
sec-Butylbenzene	0.0250	0.0253	0.0250	101	100	75.0-121			1.24	20
tert-Butylbenzene	0.0250	0.0255	0.0256	102	102	74.0-122			0.500	20
Carbon disulfide	0.0250	0.0178	0.0227	71.4	90.8	53.0-130		J3	23.9	20
Carbon tetrachloride	0.0250	0.0234	0.0236	93.7	94.2	66.0-123			0.560	20
Chlorobenzene	0.0250	0.0275	0.0284	110	114	79.0-121			3.29	20
Chlorodibromomethane	0.0250	0.0281	0.0275	113	110	74.0-128			2.28	20
Chloroethane	0.0250	0.0213	0.0199	85.3	79.6	51.0-147			6.84	20
Chloroform	0.0250	0.0229	0.0227	91.5	90.9	73.0-123			0.660	20
Chloromethane	0.0250	0.0198	0.0190	79.1	76.0	51.0-138			3.97	20
2-Chlorotoluene	0.0250	0.0238	0.0236	95.0	94.5	72.0-124			0.550	20
4-Chlorotoluene	0.0250	0.0236	0.0231	94.5	92.5	78.0-120			2.14	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0245	0.0237	97.9	95.0	65.0-126			2.98	20
1,2-Dibromoethane	0.0250	0.0280	0.0278	112	111	78.0-122			0.460	20
Dibromomethane	0.0250	0.0258	0.0245	103	97.8	79.0-120			5.41	20
1,2-Dichlorobenzene	0.0250	0.0257	0.0258	103	103	80.0-120			0.380	20
1,3-Dichlorobenzene	0.0250	0.0263	0.0259	105	104	72.0-123			1.55	20
1,4-Dichlorobenzene	0.0250	0.0251	0.0256	100	102	77.0-120			1.77	20
trans-1,4-Dichloro-2-butene	0.0250	0.0167	0.0169	66.8	67.7	68.0-126	J4	J4	1.29	20
Dichlorodifluoromethane	0.0250	0.0236	0.0220	94.6	87.9	49.0-155			7.30	20
1,1-Dichloroethane	0.0250	0.0216	0.0211	86.3	84.3	70.0-128			2.42	20
1,2-Dichloroethane	0.0250	0.0222	0.0215	88.9	86.1	69.0-128			3.19	20
1,1-Dichloroethene	0.0250	0.0239	0.0237	95.7	94.9	63.0-131			0.800	20
cis-1,2-Dichloroethene	0.0250	0.0233	0.0232	93.3	92.6	74.0-123			0.720	20
trans-1,2-Dichloroethene	0.0250	0.0248	0.0232	99.3	92.6	72.0-122			6.92	20
1,2-Dichloropropane	0.0250	0.0226	0.0227	90.4	90.9	75.0-126			0.560	20
1,1-Dichloropropene	0.0250	0.0222	0.0223	88.9	89.1	72.0-130			0.240	20
1,3-Dichloropropane	0.0250	0.0254	0.0256	102	102	80.0-121			0.830	20
cis-1,3-Dichloropropene	0.0250	0.0241	0.0244	96.4	97.6	80.0-125			1.19	20
trans-1,3-Dichloropropene	0.0250	0.0248	0.0258	99.0	103	75.0-129			4.00	20
2,2-Dichloropropane	0.0250	0.0207	0.0216	82.7	86.2	60.0-129			4.20	20
Di-isopropyl ether	0.0250	0.0195	0.0190	78.0	76.0	62.0-133			2.49	20

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

(LCS) R3246630-1 09/01/17 13:12 • (LCSD) R3246630-2 09/01/17 13:32

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	0.0267	0.0277	107	111	77.0-120			3.58	20
Hexachloro-1,3-butadiene	0.0250	0.0260	0.0262	104	105	68.0-128			1.00	20
2-Hexanone	0.125	0.128	0.128	103	102	61.0-143			0.650	20
n-Hexane	0.0250	0.0200	0.0194	79.9	77.4	57.0-125			3.19	20
Iodomethane	0.125	0.115	0.117	92.2	93.7	67.0-132			1.67	20
Isopropylbenzene	0.0250	0.0250	0.0244	100	97.7	75.0-120			2.52	20
p-Isopropyltoluene	0.0250	0.0254	0.0251	101	100	74.0-125			1.20	20
2-Butanone (MEK)	0.125	0.135	0.126	108	100	37.0-159			7.26	20
Methylene Chloride	0.0250	0.0220	0.0218	88.1	87.1	67.0-123			1.12	20
4-Methyl-2-pentanone (MIBK)	0.125	0.119	0.117	95.1	94.0	60.0-144			1.13	20
Methyl tert-butyl ether	0.0250	0.0223	0.0219	89.2	87.6	66.0-125			1.77	20
Naphthalene	0.0250	0.0252	0.0252	101	101	64.0-125			0.0900	20
n-Propylbenzene	0.0250	0.0242	0.0237	96.7	94.9	78.0-120			1.85	20
Styrene	0.0250	0.0258	0.0250	103	99.8	78.0-124			3.22	20
1,1,1,2-Tetrachloroethane	0.0250	0.0278	0.0280	111	112	74.0-124			0.790	20
1,1,2,2-Tetrachloroethane	0.0250	0.0242	0.0233	96.7	93.2	73.0-120			3.67	20
Tetrachloroethene	0.0250	0.0302	0.0310	121	124	70.0-127			2.54	20
Toluene	0.0250	0.0268	0.0267	107	107	77.0-120			0.100	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0206	0.0255	82.2	102	64.0-135		J3	21.6	20
1,2,3-Trichlorobenzene	0.0250	0.0243	0.0240	97.2	95.9	68.0-126			1.35	20
1,2,4-Trichlorobenzene	0.0250	0.0242	0.0238	96.7	95.4	70.0-127			1.34	20
1,1,1-Trichloroethane	0.0250	0.0237	0.0238	94.8	95.4	69.0-125			0.630	20
1,1,2-Trichloroethane	0.0250	0.0268	0.0277	107	111	78.0-120			3.46	20
Trichloroethene	0.0250	0.0264	0.0257	106	103	79.0-120			2.57	20
Trichlorofluoromethane	0.0250	0.0257	0.0254	103	102	59.0-136			1.31	20
1,2,3-Trichloropropane	0.0250	0.0262	0.0259	105	104	73.0-124			1.28	20
1,2,3-Trimethylbenzene	0.0250	0.0224	0.0223	89.7	89.1	76.0-120			0.620	20
1,2,4-Trimethylbenzene	0.0250	0.0232	0.0232	92.9	92.8	75.0-120			0.150	20
1,3,5-Trimethylbenzene	0.0250	0.0247	0.0243	99.0	97.3	75.0-120			1.71	20
Vinyl acetate	0.125	0.0938	0.0987	75.0	78.9	58.0-156			5.11	20
Vinyl chloride	0.0250	0.0221	0.0220	88.6	87.8	63.0-134			0.840	20
Xylenes, Total	0.0750	0.0817	0.0825	109	110	77.0-120			0.970	20
(S) Toluene-d8				*105*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*92.5*	*93.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.2*	*90.6*	*64.0-132*				

L932747-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932747-01 09/01/17 19:52 • (MS) R3246630-4 09/01/17 21:51 • (MSD) R3246630-5 09/01/17 22:11

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	1.76	1.71	56.4	54.7	25	10.0-160			2.95	36
Acrylonitrile	0.125	U	2.42	2.20	77.6	70.3	25	14.0-160			9.85	33
Benzene	0.0250	U	0.467	0.444	74.8	71.1	25	13.0-146			5.11	27
Bromobenzene	0.0250	U	0.498	0.503	79.6	80.5	25	10.0-149			1.11	33
Bromodichloromethane	0.0250	U	0.552	0.518	88.4	82.9	25	15.0-142			6.32	28
Bromochloromethane	0.0250	U	0.524	0.514	83.9	82.2	25	24.0-146			2.01	27
Bromoform	0.0250	U	0.498	0.495	79.7	79.2	25	10.0-147			0.630	31
Bromomethane	0.0250	U	0.220	0.197	35.2	31.5	25	10.0-160			11.3	32
n-Butylbenzene	0.0250	U	0.577	0.552	92.3	88.4	25	10.0-154			4.34	37
sec-Butylbenzene	0.0250	U	0.584	0.575	93.5	92.0	25	10.0-151			1.64	36
tert-Butylbenzene	0.0250	U	0.607	0.602	97.1	96.3	25	10.0-152			0.840	35
Carbon disulfide	0.0250	U	0.195	0.120	31.1	19.2	25	10.0-141		J3	47.6	30
Carbon tetrachloride	0.0250	U	0.444	0.441	71.1	70.5	25	13.0-140			0.810	30
Chlorobenzene	0.0250	U	0.632	0.614	101	98.3	25	10.0-149			2.81	31
Chlorodibromomethane	0.0250	U	0.628	0.616	100	98.5	25	12.0-147			1.95	29
Chloroethane	0.0250	U	0.0768	0.116	12.3	18.5	25	10.0-159		J3	40.3	33
Chloroform	0.0250	U	0.535	0.513	85.6	82.1	25	18.0-148			4.19	28
Chloromethane	0.0250	U	0.212	0.218	33.9	34.8	25	10.0-146			2.64	29
2-Chlorotoluene	0.0250	U	0.557	0.554	89.1	88.7	25	10.0-151			0.540	35
4-Chlorotoluene	0.0250	U	0.555	0.556	88.9	88.9	25	10.0-150			0.0700	35
1,2-Dibromo-3-Chloropropane	0.0250	U	0.526	0.513	84.2	82.1	25	10.0-149			2.53	34
1,2-Dibromoethane	0.0250	U	0.624	0.601	99.8	96.2	25	14.0-145			3.66	28
Dibromomethane	0.0250	U	0.559	0.530	89.5	84.8	25	18.0-144			5.43	27
1,2-Dichlorobenzene	0.0250	U	0.622	0.606	99.4	96.9	25	10.0-153			2.59	34
1,3-Dichlorobenzene	0.0250	U	0.611	0.583	97.7	93.2	25	10.0-150			4.68	35
1,4-Dichlorobenzene	0.0250	U	0.591	0.573	94.6	91.6	25	10.0-148			3.18	34
trans-1,4-Dichloro-2-butene	0.0250	U	0.397	0.398	63.5	63.7	25	10.0-160			0.300	40
Dichlorodifluoromethane	0.0250	U	0.313	0.310	50.1	49.6	25	10.0-160			1.18	30
1,1-Dichloroethane	0.0250	U	0.482	0.461	77.1	73.7	25	19.0-148			4.54	28
1,2-Dichloroethane	0.0250	U	0.515	0.491	82.4	78.6	25	17.0-147			4.71	27
1,1-Dichloroethene	0.0250	U	0.531	0.220	84.9	35.2	25	10.0-150		J3	82.8	31
cis-1,2-Dichloroethene	0.0250	U	0.515	0.492	82.5	78.7	25	16.0-145			4.67	28
trans-1,2-Dichloroethene	0.0250	U	0.410	0.409	65.7	65.4	25	11.0-142			0.370	29
1,2-Dichloropropane	0.0250	U	0.519	0.492	83.0	78.7	25	17.0-148			5.44	28
1,1-Dichloropropene	0.0250	U	0.423	0.399	67.8	63.8	25	10.0-150			5.97	30
1,3-Dichloropropane	0.0250	U	0.611	0.592	97.7	94.8	25	16.0-148			3.06	27
cis-1,3-Dichloropropene	0.0250	U	0.548	0.526	87.7	84.2	25	13.0-150			4.13	28
trans-1,3-Dichloropropene	0.0250	U	0.585	0.568	93.6	90.9	25	10.0-152			2.90	29
2,2-Dichloropropane	0.0250	U	0.417	0.400	66.7	64.1	25	16.0-143			4.06	30
Di-isopropyl ether	0.0250	U	0.471	0.465	75.4	74.4	25	16.0-149			1.37	28

L932747-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932747-01 09/01/17 19:52 • (MS) R3246630-4 09/01/17 21:51 • (MSD) R3246630-5 09/01/17 22:11

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	0.587	0.582	93.9	93.2	25	10.0-147			0.820	31
Hexachloro-1,3-butadiene	0.0250	U	0.629	0.599	101	95.9	25	10.0-154			4.90	40
2-Hexanone	0.125	U	2.75	2.66	87.9	85.1	25	12.0-158			3.28	30
n-Hexane	0.0250	U	0.235	0.227	37.7	36.3	25	10.0-140			3.68	34
Iodomethane	0.125	U	2.38	1.57	76.2	50.4	25	10.0-157		J3	40.8	34
Isopropylbenzene	0.0250	U	0.555	0.553	88.8	88.5	25	10.0-147			0.340	33
p-Isopropyltoluene	0.0250	U	0.584	0.570	93.4	91.3	25	10.0-156			2.34	37
2-Butanone (MEK)	0.125	U	2.27	2.10	72.8	67.1	25	10.0-160			8.04	33
Methylene Chloride	0.0250	U	0.457	0.453	73.1	72.4	25	16.0-139			0.900	29
4-Methyl-2-pentanone (MIBK)	0.125	U	2.71	2.62	86.6	83.9	25	12.0-160			3.21	32
Methyl tert-butyl ether	0.0250	U	0.551	0.533	88.2	85.2	25	21.0-145			3.39	29
Naphthalene	0.0250	U	0.595	0.589	95.2	94.3	25	10.0-153			0.970	36
n-Propylbenzene	0.0250	U	0.532	0.545	85.1	87.2	25	10.0-151			2.46	34
Styrene	0.0250	U	0.589	0.565	94.2	90.5	25	10.0-155			4.02	34
1,1,1,2-Tetrachloroethane	0.0250	U	0.676	0.635	108	102	25	10.0-147			6.15	30
1,1,2,2-Tetrachloroethane	0.0250	U	0.490	0.494	78.5	79.0	25	10.0-155			0.700	31
Tetrachloroethene	0.0250	U	0.581	0.579	93.0	92.6	25	10.0-144			0.400	32
Toluene	0.0250	U	0.556	0.547	88.9	87.6	25	10.0-144			1.50	28
1,1,2-Trichlorotrifluoroethane	0.0250	U	0.682	0.295	109	47.3	25	10.0-153		J3	79.1	33
1,2,3-Trichlorobenzene	0.0250	U	0.628	0.594	100	95.0	25	10.0-153			5.52	40
1,2,4-Trichlorobenzene	0.0250	U	0.616	0.592	98.6	94.7	25	10.0-156			4.06	40
1,1,1-Trichloroethane	0.0250	U	0.492	0.469	78.8	75.1	25	18.0-145			4.84	29
1,1,2-Trichloroethane	0.0250	U	0.642	0.639	103	102	25	12.0-151			0.470	28
Trichloroethene	0.0250	U	0.578	0.549	92.5	87.9	25	11.0-148			5.16	29
Trichlorofluoromethane	0.0250	U	0.0544	0.179	8.70	28.6	25	10.0-157	J6	J3	107	34
1,2,3-Trichloropropane	0.0250	U	0.604	0.594	96.7	95.1	25	10.0-154			1.67	32
1,2,3-Trimethylbenzene	0.0250	0.00877	0.586	0.557	92.4	87.8	25	10.0-150			5.05	33
1,2,4-Trimethylbenzene	0.0250	0.0131	0.564	0.553	88.1	86.4	25	10.0-151			1.87	34
1,3,5-Trimethylbenzene	0.0250	0.00731	0.563	0.565	88.8	89.3	25	10.0-150			0.530	33
Vinyl acetate	0.125	U	0.190	0.227	6.09	7.26	25	10.0-160	J6	J6	17.5	40
Vinyl chloride	0.0250	U	0.246	0.246	39.3	39.4	25	10.0-150			0.0100	29
Xylenes, Total	0.0750	U	1.83	1.74	97.4	92.6	25	10.0-150			5.05	31
(S) Toluene-d8					*107*	*108*		*80.0-120*				
(S) Dibromofluoromethane					*92.6*	*91.6*		*74.0-131*				
(S) 4-Bromofluorobenzene					*88.7*	*91.4*		*64.0-132*				

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
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.
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.

State Accreditations

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

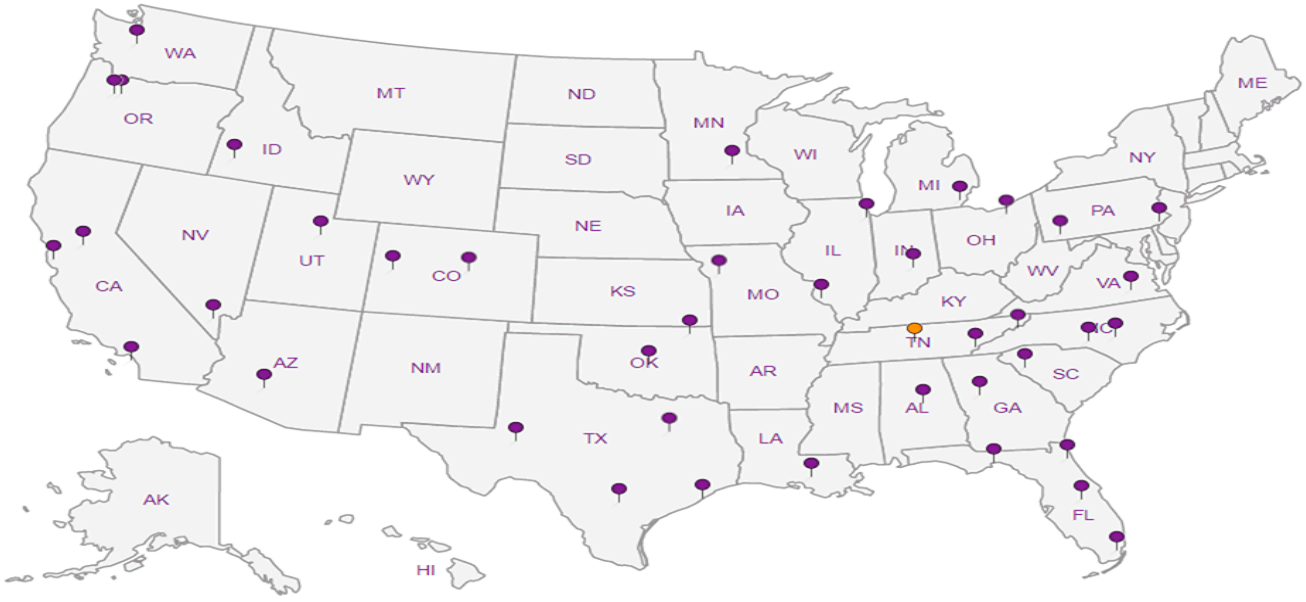
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON McKERNAN

Site/Facility ID # 1413.001.02.602

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 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# 932611

H181

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEx Ground

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B-207-90	GRAB	~~SS~~ GW	90	8/25/17	1650	~~5~~ 5		X	~~5~~	X	X	~~5~~		01
B-219-42		~~SS~~ SS	42	8/28/17	1320	~~8~~ 4		~~8~~		X	X			02
B-219-50		SS	50		1355	4				X	X			03
B-219-60		SS	60		1415	4				X	X			04
~~B~~ MW-136-13		SS	13		1420	4				X	X		HOLD	
~~B~~ MW-136-35		SS	35		1500	4				X	X			05
B-902-15		SS	15		1200	4				X	X			06
~~B~~ MW-136-44		~~SS~~ GW	44		1550	~~4~~ 8			~~X~~			~~5~~ 5		07
B-219-70	↓	~~SS~~ GW	70	↓	1550	~~4~~ 8			~~X~~			~~5~~ 5		08
~~B~~ TRIP BLANK-082817	NA	~~NA~~ SS	NA	3/27/17	NA	~~1~~ 8	~~5~~			~~5~~	~~5~~	X		09

* 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 # 7474 0921 0230

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	
	8/28/17	1700			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.7 °C Bottles Received: 37	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8.29.17 Time: 8:45	8-187 Condition: NCF / OK

MEMORANDUM

TO: Project File **DATE:** September 21, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: August 25, and August 28, 2017 – Soil Samples

LAB: ESC Lab ID L932611

Eight (8) soil samples and a trip blank sample were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on August 25 and 28, 2017. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L932611. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in X# ESC SDGs (L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L934130, L934673, L934916, and). The quality assurance review of the sample data associated with SDG L932611 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on August 25 and 28, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 4.7 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved water from the date of sample 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 soils and preserved waters from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids. Holding time criteria were not met:

- Soil samples were collected on August 25 and 28, 2017 and analyzed for percent solids on September 5, 2017 slightly beyond the recommended seven day hold. No action is taken in this case as samples were appropriately preserved and it is unlikely that the holding time exceedances significantly impacted sample results.

Initial and Continuing Calibration

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, trans-1,4-dichloro-2-butene, di-isopropyl ether, n-hexane, and vinyl acetate associated with analytical batch WG1015673 (analyzed on September 1, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

USEPA Method 8260C:

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

NWTPH-Gx Method:
Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blank at or above the RDL with the following exception:

- Analytical batch WG1015199: A low level of gasoline range organics was detected at 0.0427 mg/kg above the method detection limit (0.0339 mg/kg) and below the reporting limit (0.100 mg/kg) in the method blank analyzed on August 31, 2017. Gasoline was detected at low levels in the associated sample but sample concentrations exceed established action criteria for contamination in the blank. No action is taken.

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

Trip Blank Results

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

- Analytical batch WG1015444: A low level of acrolein was detected in the trip blank analyzed on August 30, 2017. No action is taken since acrolein was not analyzed for in associated samples.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (MW-136-35 and B-902-15) results are comparable and less than 30% RPD.

Laboratory Duplicate Analyses

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

NWTPH-Gx Method:

A laboratory duplicate sample was not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) and/or MS/MSD results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client sample from another SDG and client sample B-902-15. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSD, and the method blank 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 soils and waters with the following discussion:

- LCS/LCSD (Batch WG1015444 - water) percent recovery for compound acrolein is above laboratory criteria and qualified by the laboratory (J4). No action was taken as acrolein was not on the target compound list for soils.

- LCSD (Batch WG1015673 – soil) RPD values for compounds carbon disulfide, and 1,1,2-trichlorotrifluoroethane are above laboratory acceptance criteria (20%) and qualified by the laboratory (J3). No action was taken on this basis as LCS/LCSD percent recovery results are recovered wide but are within control limits.

- LCS/LCSD (Batch WG1015673 - soils) percent recoveries for compound trans-1,4-dichloro-2-butene are slightly below laboratory criteria and qualified by the laboratory (J4). **All associated sample results are estimated and qualified (UJ).**

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for water and soils.

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 non-client sample within the analytical batch. MS/MSD % Rs and RPDs for a number of analytes were outside of laboratory control criteria due, in part, to matrix interference. No action was taken as the spike was performed on a non-client sample. Refer to LCS/LCSD results for accuracy and precision data. An MS/MSD was not performed on the water sample. Refer to LCS/LCSD results for accuracy and precision data.

NWTPH-Gx Method:
MS/MSD analyses was not performed. Refer to LCS/LCSD results for accuracy and precision data.

Other Quality Control Issues

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

Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	09/05/2017 09:01	WG1016734

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	0.181	B	0.0372	0.110	1	09/03/2017 01:09	WG1015199
(S) a,a,a-Trifluorotoluene(FID)	*95.0*			*77.0-120*		*09/03/2017 01:09*	WG1015199

Volatile Organic Compounds (GC/MS) 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	0.275	1.37	25	09/01/2017 16:56	WG1015673
Acrylonitrile	U		0.0492	0.275	25	09/01/2017 16:56	WG1015673
Benzene	U		0.00742	0.0275	25	09/01/2017 16:56	WG1015673
Bromobenzene	U		0.00780	0.0275	25	09/01/2017 16:56	WG1015673
Bromodichloromethane	U		0.00698	0.0275	25	09/01/2017 16:56	WG1015673
Bromochloromethane	U		0.0107	0.137	25	09/01/2017 16:56	WG1015673
Bromoform	U		0.0116	0.0275	25	09/01/2017 16:56	WG1015673
Bromomethane	U		0.0368	0.137	25	09/01/2017 16:56	WG1015673
n-Butylbenzene	U		0.00709	0.0275	25	09/01/2017 16:56	WG1015673
sec-Butylbenzene	U		0.00552	0.0275	25	09/01/2017 16:56	WG1015673
tert-Butylbenzene	U		0.00566	0.0275	25	09/01/2017 16:56	WG1015673
Carbon disulfide	U	J3	0.00606	0.0275	25	09/01/2017 16:56	WG1015673
Carbon tetrachloride	U		0.00901	0.0275	25	09/01/2017 16:56	WG1015673
Chlorobenzene	U		0.00582	0.0275	25	09/01/2017 16:56	WG1015673
Chlorodibromomethane	U		0.0102	0.0275	25	09/01/2017 16:56	WG1015673
Chloroethane	U		0.0259	0.137	25	09/01/2017 16:56	WG1015673
Chloroform	U		0.00628	0.137	25	09/01/2017 16:56	WG1015673
Chloromethane	U		0.0103	0.0687	25	09/01/2017 16:56	WG1015673
2-Chlorotoluene	U		0.00826	0.0275	25	09/01/2017 16:56	WG1015673
4-Chlorotoluene	U		0.00659	0.0275	25	09/01/2017 16:56	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.0288	0.137	25	09/01/2017 16:56	WG1015673
1,2-Dibromoethane	U		0.00943	0.0275	25	09/01/2017 16:56	WG1015673
Dibromomethane	U		0.0105	0.0275	25	09/01/2017 16:56	WG1015673
1,2-Dichlorobenzene	U		0.00837	0.0275	25	09/01/2017 16:56	WG1015673
1,3-Dichlorobenzene	U		0.00657	0.0275	25	09/01/2017 16:56	WG1015673
1,4-Dichlorobenzene	U		0.00621	0.0275	25	09/01/2017 16:56	WG1015673
Dichlorodifluoromethane	U		0.0196	0.137	25	09/01/2017 16:56	WG1015673
1,1-Dichloroethane	U		0.00547	0.0275	25	09/01/2017 16:56	WG1015673
1,2-Dichloroethane	U		0.00727	0.0275	25	09/01/2017 16:56	WG1015673
1,1-Dichloroethene	U		0.00833	0.0275	25	09/01/2017 16:56	WG1015673
cis-1,2-Dichloroethene	0.311		0.00646	0.0275	25	09/01/2017 16:56	WG1015673
trans-1,2-Dichloroethene	U		0.00725	0.0275	25	09/01/2017 16:56	WG1015673
1,2-Dichloropropane	U		0.00983	0.0275	25	09/01/2017 16:56	WG1015673
1,1-Dichloropropene	U		0.00870	0.0275	25	09/01/2017 16:56	WG1015673
1,3-Dichloropropane	U		0.00569	0.0275	25	09/01/2017 16:56	WG1015673
cis-1,3-Dichloropropene	U		0.00720	0.0275	25	09/01/2017 16:56	WG1015673
trans-1,3-Dichloropropene	U		0.00734	0.0275	25	09/01/2017 16:56	WG1015673
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.0213	0.0687	25	09/01/2017 16:56	WG1015673
2,2-Dichloropropane	U		0.00767	0.0275	25	09/01/2017 16:56	WG1015673
Di-isopropyl ether	U UJ	J0	0.00681	0.0275	25	09/01/2017 16:56	WG1015673
Ethylbenzene	U		0.00815	0.0275	25	09/01/2017 16:56	WG1015673
Hexachloro-1,3-butadiene	U		0.00939	0.0275	25	09/01/2017 16:56	WG1015673
2-Hexanone	U		0.0376	0.275	25	09/01/2017 16:56	WG1015673
n-Hexane	U UJ	J0	0.00797	0.275	25	09/01/2017 16:56	WG1015673

Volatile Organic Compounds (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			0.0694	0.275	25	09/01/2017 16:56	WG1015673
Isopropylbenzene	U			0.00668	0.0275	25	09/01/2017 16:56	WG1015673
p-Isopropyltoluene	U			0.00560	0.0275	25	09/01/2017 16:56	WG1015673
2-Butanone (MEK)	U			0.129	0.275	25	09/01/2017 16:56	WG1015673
Methylene Chloride	U			0.0275	0.137	25	09/01/2017 16:56	WG1015673
4-Methyl-2-pentanone (MIBK)	U			0.0516	0.275	25	09/01/2017 16:56	WG1015673
Methyl tert-butyl ether	U			0.00582	0.0275	25	09/01/2017 16:56	WG1015673
Naphthalene	U			0.0275	0.137	25	09/01/2017 16:56	WG1015673
n-Propylbenzene	U			0.00566	0.0275	25	09/01/2017 16:56	WG1015673
Styrene	U			0.00643	0.0275	25	09/01/2017 16:56	WG1015673
1,1,1,2-Tetrachloroethane	U			0.00725	0.0275	25	09/01/2017 16:56	WG1015673
1,1,2,2-Tetrachloroethane	U			0.0100	0.0275	25	09/01/2017 16:56	WG1015673
1,1,2-Trichlorotrifluoroethane	U		J3	0.0100	0.0275	25	09/01/2017 16:56	WG1015673
Tetrachloroethene	5.42			0.0303	0.110	100	09/04/2017 19:16	WG1015673
Toluene	U			0.0119	0.137	25	09/01/2017 16:56	WG1015673
1,2,3-Trichlorobenzene	U			0.00841	0.0275	25	09/01/2017 16:56	WG1015673
1,2,4-Trichlorobenzene	U			0.0107	0.0275	25	09/01/2017 16:56	WG1015673
1,1,1-Trichloroethane	U			0.00786	0.0275	25	09/01/2017 16:56	WG1015673
1,1,2-Trichloroethane	U			0.00760	0.0275	25	09/01/2017 16:56	WG1015673
Trichloroethene	0.462			0.00767	0.0275	25	09/01/2017 16:56	WG1015673
Trichlorofluoromethane	U			0.0105	0.137	25	09/01/2017 16:56	WG1015673
1,2,3-Trichloropropane	U			0.0203	0.0687	25	09/01/2017 16:56	WG1015673
1,2,4-Trimethylbenzene	U			0.00580	0.0275	25	09/01/2017 16:56	WG1015673
1,2,3-Trimethylbenzene	U			0.00789	0.0275	25	09/01/2017 16:56	WG1015673
1,3,5-Trimethylbenzene	U			0.00731	0.0275	25	09/01/2017 16:56	WG1015673
Vinyl acetate	U	UJ	J0	0.0657	0.275	25	09/01/2017 16:56	WG1015673
Vinyl chloride	U			0.00800	0.0275	25	09/01/2017 16:56	WG1015673
Xylenes, Total	U			0.0191	0.0824	25	09/01/2017 16:56	WG1015673
(S) Toluene-d8	*104*				*80.0-120*		*09/04/2017 19:16*	WG1015673
(S) Toluene-d8	*110*				*80.0-120*		*09/01/2017 16:56*	WG1015673
(S) Dibromofluoromethane	*94.5*				*74.0-131*		*09/01/2017 16:56*	WG1015673
(S) Dibromofluoromethane	*101*				*74.0-131*		*09/04/2017 19:16*	WG1015673
(S) 4-Bromofluorobenzene	*101*				*64.0-132*		*09/04/2017 19:16*	WG1015673
(S) 4-Bromofluorobenzene	*97.3*				*64.0-132*		*09/01/2017 16:56*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	09/05/2017 09:01	WG1016734

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0356 J	J J0	0.0109	0.0545	1	09/01/2017 17:15	WG1015673
Acrylonitrile	U		0.00195	0.0109	1	09/01/2017 17:15	WG1015673
Benzene	U		0.000294	0.00109	1	09/01/2017 17:15	WG1015673
Bromobenzene	U		0.000309	0.00109	1	09/01/2017 17:15	WG1015673
Bromodichloromethane	U		0.000277	0.00109	1	09/01/2017 17:15	WG1015673
Bromochloromethane	U		0.000425	0.00545	1	09/01/2017 17:15	WG1015673
Bromoform	U		0.000462	0.00109	1	09/01/2017 17:15	WG1015673
Bromomethane	U		0.00146	0.00545	1	09/01/2017 17:15	WG1015673
n-Butylbenzene	U		0.000281	0.00109	1	09/01/2017 17:15	WG1015673
sec-Butylbenzene	U		0.000219	0.00109	1	09/01/2017 17:15	WG1015673
tert-Butylbenzene	U		0.000224	0.00109	1	09/01/2017 17:15	WG1015673
Carbon disulfide	0.000984 J	J J3	0.000241	0.00109	1	09/01/2017 17:15	WG1015673
Carbon tetrachloride	U		0.000357	0.00109	1	09/01/2017 17:15	WG1015673
Chlorobenzene	U		0.000231	0.00109	1	09/01/2017 17:15	WG1015673
Chlorodibromomethane	U		0.000406	0.00109	1	09/01/2017 17:15	WG1015673
Chloroethane	U		0.00103	0.00545	1	09/01/2017 17:15	WG1015673
Chloroform	U		0.000249	0.00545	1	09/01/2017 17:15	WG1015673
Chloromethane	U		0.000408	0.00272	1	09/01/2017 17:15	WG1015673
2-Chlorotoluene	U		0.000328	0.00109	1	09/01/2017 17:15	WG1015673
4-Chlorotoluene	U		0.000261	0.00109	1	09/01/2017 17:15	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00545	1	09/01/2017 17:15	WG1015673
1,2-Dibromoethane	U		0.000374	0.00109	1	09/01/2017 17:15	WG1015673
Dibromomethane	U		0.000416	0.00109	1	09/01/2017 17:15	WG1015673
1,2-Dichlorobenzene	U		0.000332	0.00109	1	09/01/2017 17:15	WG1015673
1,3-Dichlorobenzene	U		0.000260	0.00109	1	09/01/2017 17:15	WG1015673
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/01/2017 17:15	WG1015673
Dichlorodifluoromethane	U		0.000777	0.00545	1	09/01/2017 17:15	WG1015673
1,1-Dichloroethane	U		0.000217	0.00109	1	09/01/2017 17:15	WG1015673
1,2-Dichloroethane	U		0.000289	0.00109	1	09/01/2017 17:15	WG1015673
1,1-Dichloroethene	U		0.000330	0.00109	1	09/01/2017 17:15	WG1015673
cis-1,2-Dichloroethene	0.0179		0.000256	0.00109	1	09/01/2017 17:15	WG1015673
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/01/2017 17:15	WG1015673
1,2-Dichloropropane	U		0.000390	0.00109	1	09/01/2017 17:15	WG1015673
1,1-Dichloropropene	U		0.000345	0.00109	1	09/01/2017 17:15	WG1015673
1,3-Dichloropropane	U		0.000225	0.00109	1	09/01/2017 17:15	WG1015673
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	09/01/2017 17:15	WG1015673
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/01/2017 17:15	WG1015673
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000847	0.00272	1	09/01/2017 17:15	WG1015673
2,2-Dichloropropane	U		0.000304	0.00109	1	09/01/2017 17:15	WG1015673
Di-isopropyl ether	U UJ	J0	0.000270	0.00109	1	09/01/2017 17:15	WG1015673
Ethylbenzene	U		0.000323	0.00109	1	09/01/2017 17:15	WG1015673
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	09/01/2017 17:15	WG1015673
2-Hexanone	U		0.00149	0.0109	1	09/01/2017 17:15	WG1015673
n-Hexane	0.00264 J	J J0	0.000316	0.0109	1	09/01/2017 17:15	WG1015673
Iodomethane	U		0.00276	0.0109	1	09/01/2017 17:15	WG1015673
Isopropylbenzene	U		0.000265	0.00109	1	09/01/2017 17:15	WG1015673
p-Isopropyltoluene	U		0.000222	0.00109	1	09/01/2017 17:15	WG1015673
2-Butanone (MEK)	0.0125		0.00510	0.0109	1	09/01/2017 17:15	WG1015673
Methylene Chloride	U		0.00109	0.00545	1	09/01/2017 17:15	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/01/2017 17:15	WG1015673

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

Analyte	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	09/01/2017 17:15	WG1015673
Naphthalene	U		0.00109	0.00545	1	09/01/2017 17:15	WG1015673
n-Propylbenzene	U		0.000224	0.00109	1	09/01/2017 17:15	WG1015673
Styrene	U		0.000255	0.00109	1	09/01/2017 17:15	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	09/01/2017 17:15	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	09/01/2017 17:15	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000398	0.00109	1	09/01/2017 17:15	WG1015673
Tetrachloroethene	0.000857 J	J	0.000301	0.00109	1	09/04/2017 18:50	WG1015673
Toluene	U		0.000473	0.00545	1	09/01/2017 17:15	WG1015673
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	09/01/2017 17:15	WG1015673
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	09/01/2017 17:15	WG1015673
1,1,1-Trichloroethane	U		0.000312	0.00109	1	09/01/2017 17:15	WG1015673
1,1,2-Trichloroethane	U		0.000302	0.00109	1	09/01/2017 17:15	WG1015673
Trichloroethene	0.000504 J	J	0.000304	0.00109	1	09/01/2017 17:15	WG1015673
Trichlorofluoromethane	U		0.000416	0.00545	1	09/01/2017 17:15	WG1015673
1,2,3-Trichloropropane	U		0.000807	0.00272	1	09/01/2017 17:15	WG1015673
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/01/2017 17:15	WG1015673
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	09/01/2017 17:15	WG1015673
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/01/2017 17:15	WG1015673
Vinyl acetate	U UJ	J0	0.00260	0.0109	1	09/01/2017 17:15	WG1015673
Vinyl chloride	0.00214		0.000317	0.00109	1	09/01/2017 17:15	WG1015673
Xylenes, Total	U		0.000760	0.00327	1	09/01/2017 17:15	WG1015673
(S) Toluene-d8	*96.1*			*80.0-120*		*09/04/2017 18:50*	WG1015673
(S) Toluene-d8	*102*			*80.0-120*		*09/01/2017 17:15*	WG1015673
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/04/2017 18:50*	WG1015673
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*09/01/2017 17:15*	WG1015673
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/01/2017 17:15*	WG1015673
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/04/2017 18:50*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.4		1	09/05/2017 09:01	WG1016734

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.134 UJ	J0	0.0118	0.0592	1	09/01/2017 17:35	WG1015673
Acrylonitrile	U		0.00212	0.0118	1	09/01/2017 17:35	WG1015673
Benzene	U		0.000320	0.00118	1	09/01/2017 17:35	WG1015673
Bromobenzene	U		0.000336	0.00118	1	09/01/2017 17:35	WG1015673
Bromodichloromethane	U		0.000301	0.00118	1	09/01/2017 17:35	WG1015673
Bromochloromethane	U		0.000462	0.00592	1	09/01/2017 17:35	WG1015673
Bromoform	U		0.000502	0.00118	1	09/01/2017 17:35	WG1015673
Bromomethane	U		0.00159	0.00592	1	09/01/2017 17:35	WG1015673
n-Butylbenzene	U		0.000306	0.00118	1	09/01/2017 17:35	WG1015673
sec-Butylbenzene	U		0.000238	0.00118	1	09/01/2017 17:35	WG1015673
tert-Butylbenzene	U		0.000244	0.00118	1	09/01/2017 17:35	WG1015673
Carbon disulfide	0.00184	J3	0.000262	0.00118	1	09/01/2017 17:35	WG1015673
Carbon tetrachloride	U		0.000388	0.00118	1	09/01/2017 17:35	WG1015673
Chlorobenzene	U		0.000251	0.00118	1	09/01/2017 17:35	WG1015673
Chlorodibromomethane	U		0.000442	0.00118	1	09/01/2017 17:35	WG1015673
Chloroethane	U		0.00112	0.00592	1	09/01/2017 17:35	WG1015673
Chloroform	U		0.000271	0.00592	1	09/01/2017 17:35	WG1015673
Chloromethane	U UJ	J0	0.000444	0.00296	1	09/01/2017 17:35	WG1015673
2-Chlorotoluene	U		0.000356	0.00118	1	09/01/2017 17:35	WG1015673
4-Chlorotoluene	U		0.000284	0.00118	1	09/01/2017 17:35	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00592	1	09/01/2017 17:35	WG1015673
1,2-Dibromoethane	U		0.000406	0.00118	1	09/01/2017 17:35	WG1015673
Dibromomethane	U		0.000452	0.00118	1	09/01/2017 17:35	WG1015673
1,2-Dichlorobenzene	U		0.000361	0.00118	1	09/01/2017 17:35	WG1015673
1,3-Dichlorobenzene	U		0.000283	0.00118	1	09/01/2017 17:35	WG1015673
1,4-Dichlorobenzene	U		0.000268	0.00118	1	09/01/2017 17:35	WG1015673
Dichlorodifluoromethane	U		0.000844	0.00592	1	09/01/2017 17:35	WG1015673
1,1-Dichloroethane	U		0.000236	0.00118	1	09/01/2017 17:35	WG1015673
1,2-Dichloroethane	U		0.000314	0.00118	1	09/01/2017 17:35	WG1015673
1,1-Dichloroethene	0.000401 J	J	0.000359	0.00118	1	09/01/2017 17:35	WG1015673
cis-1,2-Dichloroethene	0.139		0.000278	0.00118	1	09/01/2017 17:35	WG1015673
trans-1,2-Dichloroethene	0.00107 J	J	0.000313	0.00118	1	09/01/2017 17:35	WG1015673
1,2-Dichloropropane	U		0.000424	0.00118	1	09/01/2017 17:35	WG1015673
1,1-Dichloropropene	U		0.000375	0.00118	1	09/01/2017 17:35	WG1015673
1,3-Dichloropropane	U		0.000245	0.00118	1	09/01/2017 17:35	WG1015673
cis-1,3-Dichloropropene	U		0.000310	0.00118	1	09/01/2017 17:35	WG1015673
trans-1,3-Dichloropropene	U		0.000316	0.00118	1	09/01/2017 17:35	WG1015673
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000921	0.00296	1	09/01/2017 17:35	WG1015673
2,2-Dichloropropane	U		0.000330	0.00118	1	09/01/2017 17:35	WG1015673
Di-isopropyl ether	U UJ	J0	0.000294	0.00118	1	09/01/2017 17:35	WG1015673
Ethylbenzene	U		0.000352	0.00118	1	09/01/2017 17:35	WG1015673
Hexachloro-1,3-butadiene	U		0.000405	0.00118	1	09/01/2017 17:35	WG1015673
2-Hexanone	0.00471 J	J	0.00162	0.0118	1	09/01/2017 17:35	WG1015673
n-Hexane	U UJ	J0	0.000343	0.0118	1	09/01/2017 17:35	WG1015673
Iodomethane	U		0.00300	0.0118	1	09/01/2017 17:35	WG1015673
Isopropylbenzene	U		0.000288	0.00118	1	09/01/2017 17:35	WG1015673
p-Isopropyltoluene	U		0.000242	0.00118	1	09/01/2017 17:35	WG1015673
2-Butanone (MEK)	0.169		0.00554	0.0118	1	09/01/2017 17:35	WG1015673
Methylene Chloride	U		0.00118	0.00592	1	09/01/2017 17:35	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0118	1	09/01/2017 17:35	WG1015673

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

Analyte	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	09/01/2017 17:35	WG1015673
Naphthalene	U		0.00118	0.00592	1	09/01/2017 17:35	WG1015673
n-Propylbenzene	U		0.000244	0.00118	1	09/01/2017 17:35	WG1015673
Styrene	U		0.000277	0.00118	1	09/01/2017 17:35	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000313	0.00118	1	09/01/2017 17:35	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000432	0.00118	1	09/01/2017 17:35	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000432	0.00118	1	09/01/2017 17:35	WG1015673
Tetrachloroethene	0.0534 J	J0	0.000327	0.00118	1	09/01/2017 17:35	WG1015673
Toluene	U		0.000514	0.00592	1	09/01/2017 17:35	WG1015673
1,2,3-Trichlorobenzene	U		0.000362	0.00118	1	09/01/2017 17:35	WG1015673
1,2,4-Trichlorobenzene	U		0.000459	0.00118	1	09/01/2017 17:35	WG1015673
1,1,1-Trichloroethane	U		0.000339	0.00118	1	09/01/2017 17:35	WG1015673
1,1,2-Trichloroethane	U		0.000328	0.00118	1	09/01/2017 17:35	WG1015673
Trichloroethene	0.00555		0.000330	0.00118	1	09/01/2017 17:35	WG1015673
Trichlorofluoromethane	U		0.000452	0.00592	1	09/01/2017 17:35	WG1015673
1,2,3-Trichloropropane	U		0.000878	0.00296	1	09/01/2017 17:35	WG1015673
1,2,4-Trimethylbenzene	U		0.000250	0.00118	1	09/01/2017 17:35	WG1015673
1,2,3-Trimethylbenzene	U		0.000340	0.00118	1	09/01/2017 17:35	WG1015673
1,3,5-Trimethylbenzene	U		0.000315	0.00118	1	09/01/2017 17:35	WG1015673
Vinyl acetate	U UJ	J0	0.00283	0.0118	1	09/01/2017 17:35	WG1015673
Vinyl chloride	0.156		0.000345	0.00118	1	09/01/2017 17:35	WG1015673
Xylenes, Total	U		0.000827	0.00355	1	09/01/2017 17:35	WG1015673
(S) Toluene-d8	*103*			*80.0-120*		*09/01/2017 17:35*	WG1015673
(S) Dibromofluoromethane	*99.7*			*74.0-131*		*09/01/2017 17:35*	WG1015673
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/01/2017 17:35*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	09/05/2017 09:01	WG1016734

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0146 UJ	J0	0.0108	0.0538	1	09/01/2017 17:55	WG1015673
Acrylonitrile	U		0.00193	0.0108	1	09/01/2017 17:55	WG1015673
Benzene	U		0.000291	0.00108	1	09/01/2017 17:55	WG1015673
Bromobenzene	U		0.000306	0.00108	1	09/01/2017 17:55	WG1015673
Bromodichloromethane	U		0.000273	0.00108	1	09/01/2017 17:55	WG1015673
Bromochloromethane	U		0.000420	0.00538	1	09/01/2017 17:55	WG1015673
Bromoform	U		0.000456	0.00108	1	09/01/2017 17:55	WG1015673
Bromomethane	U		0.00144	0.00538	1	09/01/2017 17:55	WG1015673
n-Butylbenzene	U		0.000278	0.00108	1	09/01/2017 17:55	WG1015673
sec-Butylbenzene	U		0.000216	0.00108	1	09/01/2017 17:55	WG1015673
tert-Butylbenzene	U		0.000222	0.00108	1	09/01/2017 17:55	WG1015673
Carbon disulfide	0.000573 J	J J3	0.000238	0.00108	1	09/01/2017 17:55	WG1015673
Carbon tetrachloride	U		0.000353	0.00108	1	09/01/2017 17:55	WG1015673
Chlorobenzene	U		0.000228	0.00108	1	09/01/2017 17:55	WG1015673
Chlorodibromomethane	U		0.000401	0.00108	1	09/01/2017 17:55	WG1015673
Chloroethane	U		0.00102	0.00538	1	09/01/2017 17:55	WG1015673
Chloroform	U		0.000246	0.00538	1	09/01/2017 17:55	WG1015673
Chloromethane	U UJ	J0	0.000404	0.00269	1	09/01/2017 17:55	WG1015673
2-Chlorotoluene	U		0.000324	0.00108	1	09/01/2017 17:55	WG1015673
4-Chlorotoluene	U		0.000258	0.00108	1	09/01/2017 17:55	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	09/01/2017 17:55	WG1015673
1,2-Dibromoethane	U		0.000369	0.00108	1	09/01/2017 17:55	WG1015673
Dibromomethane	U		0.000411	0.00108	1	09/01/2017 17:55	WG1015673
1,2-Dichlorobenzene	U		0.000328	0.00108	1	09/01/2017 17:55	WG1015673
1,3-Dichlorobenzene	U		0.000257	0.00108	1	09/01/2017 17:55	WG1015673
1,4-Dichlorobenzene	U		0.000243	0.00108	1	09/01/2017 17:55	WG1015673
Dichlorodifluoromethane	U		0.000767	0.00538	1	09/01/2017 17:55	WG1015673
1,1-Dichloroethane	U		0.000214	0.00108	1	09/01/2017 17:55	WG1015673
1,2-Dichloroethane	U		0.000285	0.00108	1	09/01/2017 17:55	WG1015673
1,1-Dichloroethene	U		0.000326	0.00108	1	09/01/2017 17:55	WG1015673
cis-1,2-Dichloroethene	0.00202		0.000253	0.00108	1	09/01/2017 17:55	WG1015673
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	09/01/2017 17:55	WG1015673
1,2-Dichloropropane	U		0.000385	0.00108	1	09/01/2017 17:55	WG1015673
1,1-Dichloropropene	U		0.000341	0.00108	1	09/01/2017 17:55	WG1015673
1,3-Dichloropropane	U		0.000223	0.00108	1	09/01/2017 17:55	WG1015673
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	09/01/2017 17:55	WG1015673
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	09/01/2017 17:55	WG1015673
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000837	0.00269	1	09/01/2017 17:55	WG1015673
2,2-Dichloropropane	U		0.000300	0.00108	1	09/01/2017 17:55	WG1015673
Di-isopropyl ether	U UJ	J0	0.000267	0.00108	1	09/01/2017 17:55	WG1015673
Ethylbenzene	U		0.000320	0.00108	1	09/01/2017 17:55	WG1015673
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	09/01/2017 17:55	WG1015673
2-Hexanone	U		0.00147	0.0108	1	09/01/2017 17:55	WG1015673
n-Hexane	0.00248 J	J J0	0.000312	0.0108	1	09/01/2017 17:55	WG1015673
Iodomethane	U		0.00272	0.0108	1	09/01/2017 17:55	WG1015673
Isopropylbenzene	U		0.000262	0.00108	1	09/01/2017 17:55	WG1015673
p-Isopropyltoluene	U		0.000220	0.00108	1	09/01/2017 17:55	WG1015673
2-Butanone (MEK)	U		0.00504	0.0108	1	09/01/2017 17:55	WG1015673
Methylene Chloride	U		0.00108	0.00538	1	09/01/2017 17:55	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	09/01/2017 17:55	WG1015673

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

Analyte	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	09/01/2017 17:55	WG1015673
Naphthalene	U		0.00108	0.00538	1	09/01/2017 17:55	WG1015673
n-Propylbenzene	U		0.000222	0.00108	1	09/01/2017 17:55	WG1015673
Styrene	U		0.000252	0.00108	1	09/01/2017 17:55	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	09/01/2017 17:55	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	09/01/2017 17:55	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000393	0.00108	1	09/01/2017 17:55	WG1015673
Tetrachloroethene	0.000478 J	J	0.000297	0.00108	1	09/01/2017 17:55	WG1015673
Toluene	U		0.000467	0.00538	1	09/01/2017 17:55	WG1015673
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	09/01/2017 17:55	WG1015673
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	09/01/2017 17:55	WG1015673
1,1,1-Trichloroethane	U		0.000308	0.00108	1	09/01/2017 17:55	WG1015673
1,1,2-Trichloroethane	U		0.000298	0.00108	1	09/01/2017 17:55	WG1015673
Trichloroethene	U		0.000300	0.00108	1	09/01/2017 17:55	WG1015673
Trichlorofluoromethane	U		0.000411	0.00538	1	09/01/2017 17:55	WG1015673
1,2,3-Trichloropropane	U		0.000797	0.00269	1	09/01/2017 17:55	WG1015673
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	09/01/2017 17:55	WG1015673
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	09/01/2017 17:55	WG1015673
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	09/01/2017 17:55	WG1015673
Vinyl acetate	U		0.00257	0.0108	1	09/01/2017 17:55	WG1015673
Vinyl chloride	0.00161		0.000313	0.00108	1	09/01/2017 17:55	WG1015673
Xylenes, Total	U		0.000751	0.00323	1	09/01/2017 17:55	WG1015673
(S) Toluene-d8	*99.4*			*80.0-120*		*09/01/2017 17:55*	WG1015673
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 17:55*	WG1015673
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/01/2017 17:55*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.0		1	09/05/2017 09:01	WG1016734

Volatile Organic Compounds (GC/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	J	0.0105	0.0526	1	09/01/2017 18:14	WG1015673
Acrylonitrile	U		0.00188	0.0105	1	09/01/2017 18:14	WG1015673
Benzene	U		0.000284	0.00105	1	09/01/2017 18:14	WG1015673
Bromobenzene	U		0.000299	0.00105	1	09/01/2017 18:14	WG1015673
Bromodichloromethane	U		0.000267	0.00105	1	09/01/2017 18:14	WG1015673
Bromochloromethane	U		0.000410	0.00526	1	09/01/2017 18:14	WG1015673
Bromoform	U		0.000446	0.00105	1	09/01/2017 18:14	WG1015673
Bromomethane	U		0.00141	0.00526	1	09/01/2017 18:14	WG1015673
n-Butylbenzene	U		0.000272	0.00105	1	09/01/2017 18:14	WG1015673
sec-Butylbenzene	U		0.000212	0.00105	1	09/01/2017 18:14	WG1015673
tert-Butylbenzene	U		0.000217	0.00105	1	09/01/2017 18:14	WG1015673
Carbon disulfide	0.00210	J3	0.000233	0.00105	1	09/01/2017 18:14	WG1015673
Carbon tetrachloride	U		0.000345	0.00105	1	09/01/2017 18:14	WG1015673
Chlorobenzene	U		0.000223	0.00105	1	09/01/2017 18:14	WG1015673
Chlorodibromomethane	U		0.000393	0.00105	1	09/01/2017 18:14	WG1015673
Chloroethane	U		0.000996	0.00526	1	09/01/2017 18:14	WG1015673
Chloroform	U		0.000241	0.00526	1	09/01/2017 18:14	WG1015673
Chloromethane	U UJ	J0	0.000395	0.00263	1	09/01/2017 18:14	WG1015673
2-Chlorotoluene	U		0.000317	0.00105	1	09/01/2017 18:14	WG1015673
4-Chlorotoluene	U		0.000253	0.00105	1	09/01/2017 18:14	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00526	1	09/01/2017 18:14	WG1015673
1,2-Dibromoethane	U		0.000361	0.00105	1	09/01/2017 18:14	WG1015673
Dibromomethane	U		0.000402	0.00105	1	09/01/2017 18:14	WG1015673
1,2-Dichlorobenzene	U		0.000321	0.00105	1	09/01/2017 18:14	WG1015673
1,3-Dichlorobenzene	U		0.000252	0.00105	1	09/01/2017 18:14	WG1015673
1,4-Dichlorobenzene	U		0.000238	0.00105	1	09/01/2017 18:14	WG1015673
Dichlorodifluoromethane	U		0.000750	0.00526	1	09/01/2017 18:14	WG1015673
1,1-Dichloroethane	U		0.000209	0.00105	1	09/01/2017 18:14	WG1015673
1,2-Dichloroethane	U		0.000279	0.00105	1	09/01/2017 18:14	WG1015673
1,1-Dichloroethene	U		0.000319	0.00105	1	09/01/2017 18:14	WG1015673
cis-1,2-Dichloroethene	0.0117		0.000247	0.00105	1	09/01/2017 18:14	WG1015673
trans-1,2-Dichloroethene	U		0.000278	0.00105	1	09/01/2017 18:14	WG1015673
1,2-Dichloropropane	U		0.000377	0.00105	1	09/01/2017 18:14	WG1015673
1,1-Dichloropropene	U		0.000334	0.00105	1	09/01/2017 18:14	WG1015673
1,3-Dichloropropane	U		0.000218	0.00105	1	09/01/2017 18:14	WG1015673
cis-1,3-Dichloropropene	U		0.000276	0.00105	1	09/01/2017 18:14	WG1015673
trans-1,3-Dichloropropene	U		0.000281	0.00105	1	09/01/2017 18:14	WG1015673
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000819	0.00263	1	09/01/2017 18:14	WG1015673
2,2-Dichloropropane	U		0.000294	0.00105	1	09/01/2017 18:14	WG1015673
Di-isopropyl ether	U		0.000261	0.00105	1	09/01/2017 18:14	WG1015673
Ethylbenzene	U		0.000313	0.00105	1	09/01/2017 18:14	WG1015673
Hexachloro-1,3-butadiene	U		0.000360	0.00105	1	09/01/2017 18:14	WG1015673
2-Hexanone	U		0.00144	0.0105	1	09/01/2017 18:14	WG1015673
n-Hexane	0.00176 J	J J0	0.000305	0.0105	1	09/01/2017 18:14	WG1015673
Iodomethane	U		0.00266	0.0105	1	09/01/2017 18:14	WG1015673
Isopropylbenzene	U		0.000256	0.00105	1	09/01/2017 18:14	WG1015673
p-Isopropyltoluene	U		0.000215	0.00105	1	09/01/2017 18:14	WG1015673
2-Butanone (MEK)	U		0.00493	0.0105	1	09/01/2017 18:14	WG1015673
Methylene Chloride	U		0.00105	0.00526	1	09/01/2017 18:14	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	09/01/2017 18:14	WG1015673

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000223	0.00105	1	09/01/2017 18:14	WG1015673
Naphthalene	U		0.00105	0.00526	1	09/01/2017 18:14	WG1015673
n-Propylbenzene	U		0.000217	0.00105	1	09/01/2017 18:14	WG1015673
Styrene	U		0.000246	0.00105	1	09/01/2017 18:14	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000278	0.00105	1	09/01/2017 18:14	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000384	0.00105	1	09/01/2017 18:14	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000384	0.00105	1	09/01/2017 18:14	WG1015673
Tetrachloroethene	0.00777 UJ	J0	0.000290	0.00105	1	09/01/2017 18:14	WG1015673
Toluene	U		0.000457	0.00526	1	09/01/2017 18:14	WG1015673
1,2,3-Trichlorobenzene	U		0.000322	0.00105	1	09/01/2017 18:14	WG1015673
1,2,4-Trichlorobenzene	U		0.000408	0.00105	1	09/01/2017 18:14	WG1015673
1,1,1-Trichloroethane	U		0.000301	0.00105	1	09/01/2017 18:14	WG1015673
1,1,2-Trichloroethane	U		0.000292	0.00105	1	09/01/2017 18:14	WG1015673
Trichloroethene	0.000437 J	J	0.000294	0.00105	1	09/01/2017 18:14	WG1015673
Trichlorofluoromethane	U		0.000402	0.00526	1	09/01/2017 18:14	WG1015673
1,2,3-Trichloropropane	U		0.000780	0.00263	1	09/01/2017 18:14	WG1015673
1,2,4-Trimethylbenzene	U		0.000222	0.00105	1	09/01/2017 18:14	WG1015673
1,2,3-Trimethylbenzene	U		0.000302	0.00105	1	09/01/2017 18:14	WG1015673
1,3,5-Trimethylbenzene	U		0.000280	0.00105	1	09/01/2017 18:14	WG1015673
Vinyl acetate	U UJ	J0	0.00252	0.0105	1	09/01/2017 18:14	WG1015673
Vinyl chloride	U		0.000306	0.00105	1	09/01/2017 18:14	WG1015673
Xylenes, Total	U		0.000735	0.00316	1	09/01/2017 18:14	WG1015673
(S) Toluene-d8	*99.5*			*80.0-120*		*09/01/2017 18:14*	WG1015673
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/01/2017 18:14*	WG1015673
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/01/2017 18:14*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	09/05/2017 08:49	WG1016735

Volatile Organic Compounds (GC/MS) 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	0.0546	1	09/01/2017 18:34	WG1015673
Acrylonitrile	U		0.00196	0.0109	1	09/01/2017 18:34	WG1015673
Benzene	U		0.000295	0.00109	1	09/01/2017 18:34	WG1015673
Bromobenzene	U		0.000310	0.00109	1	09/01/2017 18:34	WG1015673
Bromodichloromethane	U		0.000277	0.00109	1	09/01/2017 18:34	WG1015673
Bromochloromethane	U		0.000426	0.00546	1	09/01/2017 18:34	WG1015673
Bromoform	U		0.000463	0.00109	1	09/01/2017 18:34	WG1015673
Bromomethane	U		0.00146	0.00546	1	09/01/2017 18:34	WG1015673
n-Butylbenzene	U		0.000282	0.00109	1	09/01/2017 18:34	WG1015673
sec-Butylbenzene	U		0.000220	0.00109	1	09/01/2017 18:34	WG1015673
tert-Butylbenzene	U		0.000225	0.00109	1	09/01/2017 18:34	WG1015673
Carbon disulfide	0.00126	J3	0.000241	0.00109	1	09/01/2017 18:34	WG1015673
Carbon tetrachloride	U		0.000358	0.00109	1	09/01/2017 18:34	WG1015673
Chlorobenzene	U		0.000232	0.00109	1	09/01/2017 18:34	WG1015673
Chlorodibromomethane	U		0.000407	0.00109	1	09/01/2017 18:34	WG1015673
Chloroethane	U		0.00103	0.00546	1	09/01/2017 18:34	WG1015673
Chloroform	U		0.000250	0.00546	1	09/01/2017 18:34	WG1015673
Chloromethane	U UJ	J0	0.000410	0.00273	1	09/01/2017 18:34	WG1015673
2-Chlorotoluene	U		0.000329	0.00109	1	09/01/2017 18:34	WG1015673
4-Chlorotoluene	U		0.000262	0.00109	1	09/01/2017 18:34	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	09/01/2017 18:34	WG1015673
1,2-Dibromoethane	U		0.000375	0.00109	1	09/01/2017 18:34	WG1015673
Dibromomethane	U		0.000417	0.00109	1	09/01/2017 18:34	WG1015673
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/01/2017 18:34	WG1015673
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/01/2017 18:34	WG1015673
1,4-Dichlorobenzene	U		0.000247	0.00109	1	09/01/2017 18:34	WG1015673
Dichlorodifluoromethane	U		0.000779	0.00546	1	09/01/2017 18:34	WG1015673
1,1-Dichloroethane	U		0.000217	0.00109	1	09/01/2017 18:34	WG1015673
1,2-Dichloroethane	U		0.000289	0.00109	1	09/01/2017 18:34	WG1015673
1,1-Dichloroethene	U		0.000331	0.00109	1	09/01/2017 18:34	WG1015673
cis-1,2-Dichloroethene	0.0141		0.000257	0.00109	1	09/01/2017 18:34	WG1015673
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/01/2017 18:34	WG1015673
1,2-Dichloropropane	U		0.000391	0.00109	1	09/01/2017 18:34	WG1015673
1,1-Dichloropropene	U		0.000346	0.00109	1	09/01/2017 18:34	WG1015673
1,3-Dichloropropane	U		0.000226	0.00109	1	09/01/2017 18:34	WG1015673
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/01/2017 18:34	WG1015673
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	09/01/2017 18:34	WG1015673
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000850	0.00273	1	09/01/2017 18:34	WG1015673
2,2-Dichloropropane	U		0.000305	0.00109	1	09/01/2017 18:34	WG1015673
Di-isopropyl ether	U UJ	J0	0.000271	0.00109	1	09/01/2017 18:34	WG1015673
Ethylbenzene	U		0.000324	0.00109	1	09/01/2017 18:34	WG1015673
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	09/01/2017 18:34	WG1015673
2-Hexanone	U		0.00150	0.0109	1	09/01/2017 18:34	WG1015673
n-Hexane	0.000689 J	J J0	0.000317	0.0109	1	09/01/2017 18:34	WG1015673
Iodomethane	U		0.00276	0.0109	1	09/01/2017 18:34	WG1015673
Isopropylbenzene	U		0.000265	0.00109	1	09/01/2017 18:34	WG1015673
p-Isopropyltoluene	U		0.000223	0.00109	1	09/01/2017 18:34	WG1015673
2-Butanone (MEK)	U		0.00511	0.0109	1	09/01/2017 18:34	WG1015673
Methylene Chloride	U		0.00109	0.00546	1	09/01/2017 18:34	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/01/2017 18:34	WG1015673

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

Analyte	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	09/01/2017 18:34	WG1015673
Naphthalene	U			0.00109	0.00546	1	09/01/2017 18:34	WG1015673
n-Propylbenzene	U			0.000225	0.00109	1	09/01/2017 18:34	WG1015673
Styrene	U			0.000256	0.00109	1	09/01/2017 18:34	WG1015673
1,1,1,2-Tetrachloroethane	U			0.000288	0.00109	1	09/01/2017 18:34	WG1015673
1,1,2,2-Tetrachloroethane	U			0.000399	0.00109	1	09/01/2017 18:34	WG1015673
1,1,2-Trichlorotrifluoroethane	U		J3	0.000399	0.00109	1	09/01/2017 18:34	WG1015673
Tetrachloroethene	0.00621			0.000301	0.00109	1	09/01/2017 18:34	WG1015673
Toluene	U			0.000474	0.00546	1	09/01/2017 18:34	WG1015673
1,2,3-Trichlorobenzene	U			0.000334	0.00109	1	09/01/2017 18:34	WG1015673
1,2,4-Trichlorobenzene	U			0.000424	0.00109	1	09/01/2017 18:34	WG1015673
1,1,1-Trichloroethane	U			0.000312	0.00109	1	09/01/2017 18:34	WG1015673
1,1,2-Trichloroethane	U			0.000303	0.00109	1	09/01/2017 18:34	WG1015673
Trichloroethene	0.000324	J	J	0.000305	0.00109	1	09/01/2017 18:34	WG1015673
Trichlorofluoromethane	U			0.000417	0.00546	1	09/01/2017 18:34	WG1015673
1,2,3-Trichloropropane	U			0.000809	0.00273	1	09/01/2017 18:34	WG1015673
1,2,4-Trimethylbenzene	U			0.000230	0.00109	1	09/01/2017 18:34	WG1015673
1,2,3-Trimethylbenzene	U			0.000313	0.00109	1	09/01/2017 18:34	WG1015673
1,3,5-Trimethylbenzene	U			0.000291	0.00109	1	09/01/2017 18:34	WG1015673
Vinyl acetate	U	UJ	J0	0.00261	0.0109	1	09/01/2017 18:34	WG1015673
Vinyl chloride	U			0.000318	0.00109	1	09/01/2017 18:34	WG1015673
Xylenes, Total	U			0.000762	0.00328	1	09/01/2017 18:34	WG1015673
(S) Toluene-d8	*102*				*80.0-120*		*09/01/2017 18:34*	WG1015673
(S) Dibromofluoromethane	*101*				*74.0-131*		*09/01/2017 18:34*	WG1015673
(S) 4-Bromofluorobenzene	*103*				*64.0-132*		*09/01/2017 18:34*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	09/05/2017 08:49	WG1016735

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0239 J	J	0.0112	0.0561	1	09/01/2017 18:53	WG1015673
Acrylonitrile	U		0.00201	0.0112	1	09/01/2017 18:53	WG1015673
Benzene	U		0.000303	0.00112	1	09/01/2017 18:53	WG1015673
Bromobenzene	U		0.000319	0.00112	1	09/01/2017 18:53	WG1015673
Bromodichloromethane	U		0.000285	0.00112	1	09/01/2017 18:53	WG1015673
Bromochloromethane	U		0.000438	0.00561	1	09/01/2017 18:53	WG1015673
Bromoform	U		0.000476	0.00112	1	09/01/2017 18:53	WG1015673
Bromomethane	U		0.00150	0.00561	1	09/01/2017 18:53	WG1015673
n-Butylbenzene	U		0.000290	0.00112	1	09/01/2017 18:53	WG1015673
sec-Butylbenzene	U		0.000226	0.00112	1	09/01/2017 18:53	WG1015673
tert-Butylbenzene	U		0.000231	0.00112	1	09/01/2017 18:53	WG1015673
Carbon disulfide	0.00112 J	J J3	0.000248	0.00112	1	09/01/2017 18:53	WG1015673
Carbon tetrachloride	U		0.000368	0.00112	1	09/01/2017 18:53	WG1015673
Chlorobenzene	U		0.000238	0.00112	1	09/01/2017 18:53	WG1015673
Chlorodibromomethane	U		0.000419	0.00112	1	09/01/2017 18:53	WG1015673
Chloroethane	U		0.00106	0.00561	1	09/01/2017 18:53	WG1015673
Chloroform	U		0.000257	0.00561	1	09/01/2017 18:53	WG1015673
Chloromethane	U UJ	J0	0.000421	0.00281	1	09/01/2017 18:53	WG1015673
2-Chlorotoluene	U		0.000338	0.00112	1	09/01/2017 18:53	WG1015673
4-Chlorotoluene	U		0.000269	0.00112	1	09/01/2017 18:53	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00561	1	09/01/2017 18:53	WG1015673
1,2-Dibromoethane	U		0.000385	0.00112	1	09/01/2017 18:53	WG1015673
Dibromomethane	U		0.000429	0.00112	1	09/01/2017 18:53	WG1015673
1,2-Dichlorobenzene	U		0.000342	0.00112	1	09/01/2017 18:53	WG1015673
1,3-Dichlorobenzene	U		0.000268	0.00112	1	09/01/2017 18:53	WG1015673
1,4-Dichlorobenzene	U		0.000254	0.00112	1	09/01/2017 18:53	WG1015673
Dichlorodifluoromethane	U		0.000800	0.00561	1	09/01/2017 18:53	WG1015673
1,1-Dichloroethane	U		0.000223	0.00112	1	09/01/2017 18:53	WG1015673
1,2-Dichloroethane	U		0.000297	0.00112	1	09/01/2017 18:53	WG1015673
1,1-Dichloroethene	0.000371 J	J	0.000340	0.00112	1	09/01/2017 18:53	WG1015673
cis-1,2-Dichloroethene	0.174		0.000264	0.00112	1	09/01/2017 18:53	WG1015673
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	09/01/2017 18:53	WG1015673
1,2-Dichloropropane	U		0.000402	0.00112	1	09/01/2017 18:53	WG1015673
1,1-Dichloropropene	U		0.000356	0.00112	1	09/01/2017 18:53	WG1015673
1,3-Dichloropropane	U		0.000232	0.00112	1	09/01/2017 18:53	WG1015673
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	09/01/2017 18:53	WG1015673
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	09/01/2017 18:53	WG1015673
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000873	0.00281	1	09/01/2017 18:53	WG1015673
2,2-Dichloropropane	U		0.000313	0.00112	1	09/01/2017 18:53	WG1015673
Di-isopropyl ether	U UJ	J0	0.000278	0.00112	1	09/01/2017 18:53	WG1015673
Ethylbenzene	U		0.000333	0.00112	1	09/01/2017 18:53	WG1015673
Hexachloro-1,3-butadiene	U		0.000384	0.00112	1	09/01/2017 18:53	WG1015673
2-Hexanone	U		0.00154	0.0112	1	09/01/2017 18:53	WG1015673
n-Hexane	0.000656 J	J	0.000325	0.0112	1	09/01/2017 18:53	WG1015673
Iodomethane	U		0.00284	0.0112	1	09/01/2017 18:53	WG1015673
Isopropylbenzene	U		0.000273	0.00112	1	09/01/2017 18:53	WG1015673
p-Isopropyltoluene	U		0.000229	0.00112	1	09/01/2017 18:53	WG1015673
2-Butanone (MEK)	0.0640		0.00525	0.0112	1	09/01/2017 18:53	WG1015673
Methylene Chloride	U		0.00112	0.00561	1	09/01/2017 18:53	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	09/01/2017 18:53	WG1015673

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

Analyte	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	09/01/2017 18:53	WG1015673
Naphthalene	U			0.00112	0.00561	1	09/01/2017 18:53	WG1015673
n-Propylbenzene	U			0.000231	0.00112	1	09/01/2017 18:53	WG1015673
Styrene	U			0.000263	0.00112	1	09/01/2017 18:53	WG1015673
1,1,1,2-Tetrachloroethane	U			0.000296	0.00112	1	09/01/2017 18:53	WG1015673
1,1,2,2-Tetrachloroethane	U			0.000410	0.00112	1	09/01/2017 18:53	WG1015673
1,1,2-Trichlorotrifluoroethane	U		J3	0.000410	0.00112	1	09/01/2017 18:53	WG1015673
Tetrachloroethene	0.0853	UJ	J0	0.000310	0.00112	1	09/01/2017 18:53	WG1015673
Toluene	U			0.000487	0.00561	1	09/01/2017 18:53	WG1015673
1,2,3-Trichlorobenzene	U			0.000343	0.00112	1	09/01/2017 18:53	WG1015673
1,2,4-Trichlorobenzene	U			0.000435	0.00112	1	09/01/2017 18:53	WG1015673
1,1,1-Trichloroethane	U			0.000321	0.00112	1	09/01/2017 18:53	WG1015673
1,1,2-Trichloroethane	U			0.000311	0.00112	1	09/01/2017 18:53	WG1015673
Trichloroethene	0.00255			0.000313	0.00112	1	09/01/2017 18:53	WG1015673
Trichlorofluoromethane	U			0.000429	0.00561	1	09/01/2017 18:53	WG1015673
1,2,3-Trichloropropane	U			0.000832	0.00281	1	09/01/2017 18:53	WG1015673
1,2,4-Trimethylbenzene	U			0.000237	0.00112	1	09/01/2017 18:53	WG1015673
1,2,3-Trimethylbenzene	U			0.000322	0.00112	1	09/01/2017 18:53	WG1015673
1,3,5-Trimethylbenzene	U			0.000299	0.00112	1	09/01/2017 18:53	WG1015673
Vinyl acetate	U	UJ	J0	0.00268	0.0112	1	09/01/2017 18:53	WG1015673
Vinyl chloride	U			0.000327	0.00112	1	09/01/2017 18:53	WG1015673
Xylenes, Total	U			0.000783	0.00337	1	09/01/2017 18:53	WG1015673
(S) Toluene-d8	*101*				*80.0-120*		*09/01/2017 18:53*	WG1015673
(S) Dibromofluoromethane	*101*				*74.0-131*		*09/01/2017 18:53*	WG1015673
(S) 4-Bromofluorobenzene	*104*				*64.0-132*		*09/01/2017 18:53*	WG1015673

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	09/05/2017 08:49	WG1016735

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0237 J	J	0.0114	0.0571	1	09/01/2017 19:13	WG1015673
Acrylonitrile	U		0.00204	0.0114	1	09/01/2017 19:13	WG1015673
Benzene	U		0.000308	0.00114	1	09/01/2017 19:13	WG1015673
Bromobenzene	U		0.000324	0.00114	1	09/01/2017 19:13	WG1015673
Bromodichloromethane	U		0.000290	0.00114	1	09/01/2017 19:13	WG1015673
Bromochloromethane	U		0.000445	0.00571	1	09/01/2017 19:13	WG1015673
Bromoform	U		0.000484	0.00114	1	09/01/2017 19:13	WG1015673
Bromomethane	U		0.00153	0.00571	1	09/01/2017 19:13	WG1015673
n-Butylbenzene	U		0.000294	0.00114	1	09/01/2017 19:13	WG1015673
sec-Butylbenzene	U		0.000229	0.00114	1	09/01/2017 19:13	WG1015673
tert-Butylbenzene	U		0.000235	0.00114	1	09/01/2017 19:13	WG1015673
Carbon disulfide	0.00345	J3	0.000252	0.00114	1	09/01/2017 19:13	WG1015673
Carbon tetrachloride	U		0.000374	0.00114	1	09/01/2017 19:13	WG1015673
Chlorobenzene	U		0.000242	0.00114	1	09/01/2017 19:13	WG1015673
Chlorodibromomethane	U		0.000426	0.00114	1	09/01/2017 19:13	WG1015673
Chloroethane	U		0.00108	0.00571	1	09/01/2017 19:13	WG1015673
Chloroform	U		0.000261	0.00571	1	09/01/2017 19:13	WG1015673
Chloromethane	U UJ	J0	0.000428	0.00285	1	09/01/2017 19:13	WG1015673
2-Chlorotoluene	U		0.000343	0.00114	1	09/01/2017 19:13	WG1015673
4-Chlorotoluene	U		0.000274	0.00114	1	09/01/2017 19:13	WG1015673
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00571	1	09/01/2017 19:13	WG1015673
1,2-Dibromoethane	U		0.000391	0.00114	1	09/01/2017 19:13	WG1015673
Dibromomethane	U		0.000436	0.00114	1	09/01/2017 19:13	WG1015673
1,2-Dichlorobenzene	U		0.000348	0.00114	1	09/01/2017 19:13	WG1015673
1,3-Dichlorobenzene	U		0.000273	0.00114	1	09/01/2017 19:13	WG1015673
1,4-Dichlorobenzene	U		0.000258	0.00114	1	09/01/2017 19:13	WG1015673
Dichlorodifluoromethane	U		0.000814	0.00571	1	09/01/2017 19:13	WG1015673
1,1-Dichloroethane	U		0.000227	0.00114	1	09/01/2017 19:13	WG1015673
1,2-Dichloroethane	U		0.000302	0.00114	1	09/01/2017 19:13	WG1015673
1,1-Dichloroethene	U		0.000346	0.00114	1	09/01/2017 19:13	WG1015673
cis-1,2-Dichloroethene	0.00307		0.000268	0.00114	1	09/01/2017 19:13	WG1015673
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	09/01/2017 19:13	WG1015673
1,2-Dichloropropane	U		0.000409	0.00114	1	09/01/2017 19:13	WG1015673
1,1-Dichloropropene	U		0.000362	0.00114	1	09/01/2017 19:13	WG1015673
1,3-Dichloropropane	U		0.000236	0.00114	1	09/01/2017 19:13	WG1015673
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	09/01/2017 19:13	WG1015673
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	09/01/2017 19:13	WG1015673
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000888	0.00285	1	09/01/2017 19:13	WG1015673
2,2-Dichloropropane	U		0.000318	0.00114	1	09/01/2017 19:13	WG1015673
Di-isopropyl ether	U UJ	J0	0.000283	0.00114	1	09/01/2017 19:13	WG1015673
Ethylbenzene	U		0.000339	0.00114	1	09/01/2017 19:13	WG1015673
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/01/2017 19:13	WG1015673
2-Hexanone	U		0.00156	0.0114	1	09/01/2017 19:13	WG1015673
n-Hexane	0.00634 J	J	0.000331	0.0114	1	09/01/2017 19:13	WG1015673
Iodomethane	U		0.00289	0.0114	1	09/01/2017 19:13	WG1015673
Isopropylbenzene	U		0.000277	0.00114	1	09/01/2017 19:13	WG1015673
p-Isopropyltoluene	U		0.000233	0.00114	1	09/01/2017 19:13	WG1015673
2-Butanone (MEK)	0.0183		0.00534	0.0114	1	09/01/2017 19:13	WG1015673
Methylene Chloride	U		0.00114	0.00571	1	09/01/2017 19:13	WG1015673
4-Methyl-2-pentanone (MIBK)	U		0.00215	0.0114	1	09/01/2017 19:13	WG1015673

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

Analyte	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	09/01/2017 19:13	WG1015673
Naphthalene	U		0.00114	0.00571	1	09/01/2017 19:13	WG1015673
n-Propylbenzene	U		0.000235	0.00114	1	09/01/2017 19:13	WG1015673
Styrene	U		0.000267	0.00114	1	09/01/2017 19:13	WG1015673
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/01/2017 19:13	WG1015673
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	09/01/2017 19:13	WG1015673
1,1,2-Trichlorotrifluoroethane	U	J3	0.000417	0.00114	1	09/01/2017 19:13	WG1015673
Tetrachloroethene	0.00134 J	J0	0.000315	0.00114	1	09/01/2017 19:13	WG1015673
Toluene	U		0.000495	0.00571	1	09/01/2017 19:13	WG1015673
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/01/2017 19:13	WG1015673
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	09/01/2017 19:13	WG1015673
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/01/2017 19:13	WG1015673
1,1,2-Trichloroethane	U		0.000316	0.00114	1	09/01/2017 19:13	WG1015673
Trichloroethene	U		0.000318	0.00114	1	09/01/2017 19:13	WG1015673
Trichlorofluoromethane	U		0.000436	0.00571	1	09/01/2017 19:13	WG1015673
1,2,3-Trichloropropane	U		0.000846	0.00285	1	09/01/2017 19:13	WG1015673
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	09/01/2017 19:13	WG1015673
1,2,3-Trimethylbenzene	U		0.000328	0.00114	1	09/01/2017 19:13	WG1015673
1,3,5-Trimethylbenzene	U		0.000304	0.00114	1	09/01/2017 19:13	WG1015673
Vinyl acetate	U UJ	J0	0.00273	0.0114	1	09/01/2017 19:13	WG1015673
Vinyl chloride	0.000670 J	J	0.000332	0.00114	1	09/01/2017 19:13	WG1015673
Xylenes, Total	U		0.000797	0.00342	1	09/01/2017 19:13	WG1015673
(S) Toluene-d8	*105*			*80.0-120*		*09/01/2017 19:13*	WG1015673
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/01/2017 19:13*	WG1015673
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/01/2017 19:13*	WG1015673

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		10.0	50.0	1	08/30/2017 23:48	WG1015444
Acrolein	18.5	J J4	8.87	50.0	1	08/30/2017 23:48	WG1015444
Acrylonitrile	U		1.87	10.0	1	08/30/2017 23:48	WG1015444
Benzene	U		0.331	1.00	1	08/30/2017 23:48	WG1015444
Bromobenzene	U		0.352	1.00	1	08/30/2017 23:48	WG1015444
Bromodichloromethane	U		0.380	1.00	1	08/30/2017 23:48	WG1015444
Bromoform	U		0.469	1.00	1	08/30/2017 23:48	WG1015444
Bromomethane	U		0.866	5.00	1	08/30/2017 23:48	WG1015444
n-Butylbenzene	U		0.361	1.00	1	08/30/2017 23:48	WG1015444
sec-Butylbenzene	U		0.365	1.00	1	08/30/2017 23:48	WG1015444
tert-Butylbenzene	U		0.399	1.00	1	08/30/2017 23:48	WG1015444
Carbon tetrachloride	U		0.379	1.00	1	08/30/2017 23:48	WG1015444
Chlorobenzene	U		0.348	1.00	1	08/30/2017 23:48	WG1015444
Chlorodibromomethane	U		0.327	1.00	1	08/30/2017 23:48	WG1015444
Chloroethane	U		0.453	5.00	1	08/30/2017 23:48	WG1015444
Chloroform	U		0.324	5.00	1	08/30/2017 23:48	WG1015444
Chloromethane	U		0.276	2.50	1	08/30/2017 23:48	WG1015444
2-Chlorotoluene	U		0.375	1.00	1	08/30/2017 23:48	WG1015444
4-Chlorotoluene	U		0.351	1.00	1	08/30/2017 23:48	WG1015444
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	08/30/2017 23:48	WG1015444
1,2-Dibromoethane	U		0.381	1.00	1	08/30/2017 23:48	WG1015444
Dibromomethane	U		0.346	1.00	1	08/30/2017 23:48	WG1015444
1,2-Dichlorobenzene	U		0.349	1.00	1	08/30/2017 23:48	WG1015444
1,3-Dichlorobenzene	U		0.220	1.00	1	08/30/2017 23:48	WG1015444
1,4-Dichlorobenzene	U		0.274	1.00	1	08/30/2017 23:48	WG1015444
Dichlorodifluoromethane	U		0.551	5.00	1	08/30/2017 23:48	WG1015444
1,1-Dichloroethane	U		0.259	1.00	1	08/30/2017 23:48	WG1015444
1,2-Dichloroethane	U		0.361	1.00	1	08/30/2017 23:48	WG1015444
1,1-Dichloroethene	U		0.398	1.00	1	08/30/2017 23:48	WG1015444
cis-1,2-Dichloroethene	U		0.260	1.00	1	08/30/2017 23:48	WG1015444
trans-1,2-Dichloroethene	U		0.396	1.00	1	08/30/2017 23:48	WG1015444
1,2-Dichloropropane	U		0.306	1.00	1	08/30/2017 23:48	WG1015444
1,1-Dichloropropene	U		0.352	1.00	1	08/30/2017 23:48	WG1015444
1,3-Dichloropropane	U		0.366	1.00	1	08/30/2017 23:48	WG1015444
cis-1,3-Dichloropropene	U		0.418	1.00	1	08/30/2017 23:48	WG1015444
trans-1,3-Dichloropropene	U		0.419	1.00	1	08/30/2017 23:48	WG1015444
2,2-Dichloropropane	U		0.321	1.00	1	08/30/2017 23:48	WG1015444
Di-isopropyl ether	U		0.320	1.00	1	08/30/2017 23:48	WG1015444
Ethylbenzene	U		0.384	1.00	1	08/30/2017 23:48	WG1015444
Hexachloro-1,3-butadiene	U		0.256	1.00	1	08/30/2017 23:48	WG1015444
Isopropylbenzene	U		0.326	1.00	1	08/30/2017 23:48	WG1015444
p-Isopropyltoluene	U		0.350	1.00	1	08/30/2017 23:48	WG1015444
2-Butanone (MEK)	U		3.93	10.0	1	08/30/2017 23:48	WG1015444
Methylene Chloride	U		1.00	5.00	1	08/30/2017 23:48	WG1015444
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	08/30/2017 23:48	WG1015444
Methyl tert-butyl ether	U		0.367	1.00	1	08/30/2017 23:48	WG1015444
Naphthalene	U		1.00	5.00	1	08/30/2017 23:48	WG1015444
n-Propylbenzene	U		0.349	1.00	1	08/30/2017 23:48	WG1015444
Styrene	U		0.307	1.00	1	08/30/2017 23:48	WG1015444
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	08/30/2017 23:48	WG1015444
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	08/30/2017 23:48	WG1015444
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00	1	08/30/2017 23:48	WG1015444
Tetrachloroethene	U		0.372	1.00	1	08/30/2017 23:48	WG1015444
Toluene	U		0.412	1.00	1	08/30/2017 23:48	WG1015444
1,2,3-Trichlorobenzene	U		0.230	1.00	1	08/30/2017 23:48	WG1015444
1,2,4-Trichlorobenzene	U		0.355	1.00	1	08/30/2017 23:48	WG1015444

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1-Trichloroethane	U		0.319	1.00	1	08/30/2017 23:48	WG1015444
1,1,2-Trichloroethane	U		0.383	1.00	1	08/30/2017 23:48	WG1015444
Trichloroethene	U		0.398	1.00	1	08/30/2017 23:48	WG1015444
Trichlorofluoromethane	U		1.20	5.00	1	08/30/2017 23:48	WG1015444
1,2,3-Trichloropropane	U		0.807	2.50	1	08/30/2017 23:48	WG1015444
1,2,4-Trimethylbenzene	U		0.373	1.00	1	08/30/2017 23:48	WG1015444
1,2,3-Trimethylbenzene	U		0.321	1.00	1	08/30/2017 23:48	WG1015444
1,3,5-Trimethylbenzene	U		0.387	1.00	1	08/30/2017 23:48	WG1015444
Vinyl chloride	U		0.259	1.00	1	08/30/2017 23:48	WG1015444
Xylenes, Total	U		1.06	3.00	1	08/30/2017 23:48	WG1015444
(S) Toluene-d8	*114*			*80.0-120*		*08/30/2017 23:48*	WG1015444
(S) Dibromofluoromethane	*85.2*			*76.0-123*		*08/30/2017 23:48*	WG1015444
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*08/30/2017 23:48*	WG1015444

ANALYTICAL REPORT

September 11, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L932876
Samples Received:	08/30/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001-02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

B-219-80 L932876-01 Solid

Collected by: Karsten Springstead
Collected date/time: 08/28/17 16:10
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017019	1	09/06/17 13:18	09/06/17 13:33	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/28/17 16:10	08/31/17 18:02	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	25	08/28/17 16:10	09/06/17 19:24	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	25	08/28/17 16:10	09/07/17 13:18	ACG

MW-136-50 L932876-02 Solid

Collected by: Karsten Springstead
Collected date/time: 08/28/17 16:05
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017019	1	09/06/17 13:18	09/06/17 13:33	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/28/17 16:05	08/31/17 18:22	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	25	08/28/17 16:05	09/06/17 19:50	JHH

MW-136-65 L932876-03 Solid

Collected by: Karsten Springstead
Collected date/time: 08/28/17 17:30
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018225	1	09/08/17 13:28	09/08/17 13:40	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018274	1	08/28/17 17:30	09/08/17 14:32	JAH

MW-134-20 L932876-04 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 08:50
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017019	1	09/06/17 13:18	09/06/17 13:33	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1017991	25	09/07/17 20:14	09/08/17 12:23	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 08:50	08/31/17 18:43	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 08:50	09/06/17 20:16	JHH

MW-136-75 L932876-05 Solid

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

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017019	1	09/06/17 13:18	09/06/17 13:33	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 08:30	08/31/17 19:04	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 08:30	09/06/17 20:41	JHH

MW-136-85 L932876-06 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 08:40
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017019	1	09/06/17 13:18	09/06/17 13:33	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 08:40	08/31/17 19:24	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 08:40	09/06/17 21:08	JHH

MW-136-95 L932876-07 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 09:15
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017019	1	09/06/17 13:18	09/06/17 13:33	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 09:15	08/31/17 19:59	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 09:15	09/06/17 21:34	JHH

MW-134-43 L932876-08 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 10:15
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017019	1	09/06/17 13:18	09/06/17 13:33	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1017991	25	08/29/17 10:15	09/08/17 12:45	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 10:15	08/31/17 20:20	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	25	08/29/17 10:15	09/06/17 21:59	JHH

MW-134-50 L932876-09 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 10:20
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017019	1	09/06/17 13:18	09/06/17 13:33	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1015659	1	08/29/17 10:20	08/31/17 16:59	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 10:20	08/31/17 20:40	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	100	08/29/17 10:20	09/06/17 22:25	JHH

MW-134-60 L932876-10 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 11:20
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017019	1	09/06/17 13:18	09/06/17 13:33	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1015659	1	08/29/17 11:20	08/31/17 17:22	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 11:20	08/31/17 21:01	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	25	08/29/17 11:20	09/06/17 22:51	JHH

MW-134-70 L932876-11 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 12:00
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017021	1	09/06/17 09:53	09/06/17 10:08	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1017991	25.75	08/29/17 12:00	09/08/17 13:08	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 12:00	08/31/17 21:21	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 12:00	09/06/17 23:17	JHH

MW-134-80 L932876-12 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 14:00
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017021	1	09/06/17 09:53	09/06/17 10:08	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1017991	26.75	08/29/17 14:00	09/08/17 13:30	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 14:00	08/31/17 21:42	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 14:00	09/06/17 23:43	JHH

B-903-100 L932876-13 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 13:55
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017021	1	09/06/17 09:53	09/06/17 10:08	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1017991	25	08/29/17 13:55	09/08/17 13:52	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 13:55	08/31/17 22:03	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 13:55	09/07/17 00:09	JHH

MW-134-90 L932876-14 Solid

Collected by: Karsten Springstead
Collected date/time: 08/29/17 15:35
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017021	1	09/06/17 09:53	09/06/17 10:08	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1017991	25	08/29/17 15:35	09/08/17 14:15	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	1	08/29/17 15:35	08/31/17 22:23	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015700	25	08/29/17 15:35	09/07/17 12:58	ACG

BLANK L932876-15 GW

Collected by: Karsten Springstead
Collected date/time: 06/08/17 00:00
Received date/time: 08/30/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015444	1	08/31/17 00:26	08/31/17 00:26	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC/MS) 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	0.0543	1	08/31/2017 18:02	WG1015700
Acrylonitrile	U		0.00194	0.0109	1	08/31/2017 18:02	WG1015700
Benzene	U		0.000293	0.00109	1	08/31/2017 18:02	WG1015700
Bromobenzene	U		0.000308	0.00109	1	08/31/2017 18:02	WG1015700
Bromodichloromethane	U		0.000276	0.00109	1	08/31/2017 18:02	WG1015700
Bromochloromethane	U		0.000424	0.00543	1	08/31/2017 18:02	WG1015700
Bromoform	U		0.000461	0.00109	1	08/31/2017 18:02	WG1015700
Bromomethane	U		0.00146	0.00543	1	08/31/2017 18:02	WG1015700
n-Butylbenzene	U		0.000280	0.00109	1	08/31/2017 18:02	WG1015700
sec-Butylbenzene	U		0.000218	0.00109	1	08/31/2017 18:02	WG1015700
tert-Butylbenzene	U		0.000224	0.00109	1	08/31/2017 18:02	WG1015700
Carbon disulfide	0.000358	J	0.000240	0.00109	1	08/31/2017 18:02	WG1015700
Carbon tetrachloride	U		0.00891	0.0272	25	09/06/2017 19:24	WG1015700
Chlorobenzene	U		0.000230	0.00109	1	08/31/2017 18:02	WG1015700
Chlorodibromomethane	U		0.000405	0.00109	1	08/31/2017 18:02	WG1015700
Chloroethane	U		0.00103	0.00543	1	08/31/2017 18:02	WG1015700
Chloroform	U		0.000249	0.00543	1	08/31/2017 18:02	WG1015700
Chloromethane	U		0.0102	0.0679	25	09/06/2017 19:24	WG1015700
2-Chlorotoluene	U		0.000327	0.00109	1	08/31/2017 18:02	WG1015700
4-Chlorotoluene	U		0.000261	0.00109	1	08/31/2017 18:02	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	08/31/2017 18:02	WG1015700
1,2-Dibromoethane	U		0.000373	0.00109	1	08/31/2017 18:02	WG1015700
Dibromomethane	U		0.000415	0.00109	1	08/31/2017 18:02	WG1015700
1,2-Dichlorobenzene	U		0.000331	0.00109	1	08/31/2017 18:02	WG1015700
1,3-Dichlorobenzene	U		0.000260	0.00109	1	08/31/2017 18:02	WG1015700
1,4-Dichlorobenzene	U		0.000245	0.00109	1	08/31/2017 18:02	WG1015700
Dichlorodifluoromethane	U		0.000774	0.00543	1	08/31/2017 18:02	WG1015700
1,1-Dichloroethane	U		0.000216	0.00109	1	08/31/2017 18:02	WG1015700
1,2-Dichloroethane	U		0.000288	0.00109	1	08/31/2017 18:02	WG1015700
1,1-Dichloroethene	U		0.000329	0.00109	1	08/31/2017 18:02	WG1015700
cis-1,2-Dichloroethene	U		0.00639	0.0272	25	09/06/2017 19:24	WG1015700
trans-1,2-Dichloroethene	U		0.00717	0.0272	25	09/06/2017 19:24	WG1015700
1,2-Dichloropropane	U		0.000389	0.00109	1	08/31/2017 18:02	WG1015700
1,1-Dichloropropene	U		0.000344	0.00109	1	08/31/2017 18:02	WG1015700
1,3-Dichloropropane	U		0.000225	0.00109	1	08/31/2017 18:02	WG1015700
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	08/31/2017 18:02	WG1015700
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	08/31/2017 18:02	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000845	0.00272	1	08/31/2017 18:02	WG1015700
2,2-Dichloropropane	U		0.00758	0.0272	25	09/06/2017 19:24	WG1015700
Di-isopropyl ether	U		0.00673	0.0272	25	09/06/2017 19:24	WG1015700
Ethylbenzene	U		0.000323	0.00109	1	08/31/2017 18:02	WG1015700
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	08/31/2017 18:02	WG1015700
2-Hexanone	U		0.00149	0.0109	1	08/31/2017 18:02	WG1015700
n-Hexane	0.00111	J J0	0.000315	0.0109	1	08/31/2017 18:02	WG1015700
Iodomethane	U		0.00275	0.0109	1	08/31/2017 18:02	WG1015700
Isopropylbenzene	U		0.000264	0.00109	1	08/31/2017 18:02	WG1015700
p-Isopropyltoluene	U		0.000222	0.00109	1	08/31/2017 18:02	WG1015700
2-Butanone (MEK)	U		0.00508	0.0109	1	08/31/2017 18:02	WG1015700
Methylene Chloride	U	J0	0.00109	0.00543	1	08/31/2017 18:02	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	08/31/2017 18:02	WG1015700

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		0.000230	0.00109	1	08/31/2017 18:02	WG1015700
Naphthalene	U		0.00109	0.00543	1	08/31/2017 18:02	WG1015700
n-Propylbenzene	U		0.000224	0.00109	1	08/31/2017 18:02	WG1015700
Styrene	U		0.000254	0.00109	1	08/31/2017 18:02	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	08/31/2017 18:02	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	08/31/2017 18:02	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	08/31/2017 18:02	WG1015700
Tetrachloroethene	U		0.000300	0.00109	1	08/31/2017 18:02	WG1015700
Toluene	U		0.000471	0.00543	1	08/31/2017 18:02	WG1015700
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	08/31/2017 18:02	WG1015700
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	08/31/2017 18:02	WG1015700
1,1,1-Trichloroethane	U		0.00777	0.0272	25	09/06/2017 19:24	WG1015700
1,1,2-Trichloroethane	U		0.000301	0.00109	1	08/31/2017 18:02	WG1015700
Trichloroethene	U		0.000303	0.00109	1	08/31/2017 18:02	WG1015700
Trichlorofluoromethane	U		0.000415	0.00543	1	08/31/2017 18:02	WG1015700
1,2,3-Trichloropropane	U		0.000805	0.00272	1	08/31/2017 18:02	WG1015700
1,2,4-Trimethylbenzene	U		0.00573	0.0272	25	09/07/2017 13:18	WG1015700
1,2,3-Trimethylbenzene	U		0.00780	0.0272	25	09/07/2017 13:18	WG1015700
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	08/31/2017 18:02	WG1015700
Vinyl acetate	U		0.00260	0.0109	1	08/31/2017 18:02	WG1015700
Vinyl chloride	U		0.000316	0.00109	1	08/31/2017 18:02	WG1015700
Xylenes, Total	U		0.000758	0.00326	1	08/31/2017 18:02	WG1015700
(S) Toluene-d8	*99.5*			*80.0-120*		*08/31/2017 18:02*	WG1015700
(S) Toluene-d8	*107*			*80.0-120*		*09/07/2017 13:18*	WG1015700
(S) Toluene-d8	*98.9*			*80.0-120*		*09/06/2017 19:24*	WG1015700
(S) Dibromofluoromethane	*96.0*			*74.0-131*		*08/31/2017 18:02*	WG1015700
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*09/07/2017 13:18*	WG1015700
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*09/06/2017 19:24*	WG1015700
(S) 4-Bromofluorobenzene	*87.6*			*64.0-132*		*08/31/2017 18:02*	WG1015700
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/06/2017 19:24*	WG1015700
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*09/07/2017 13:18*	WG1015700

Sample Narrative:

L932876-01 WG1015700: No low level sodium bisulfite vials remaining,

L932876-01 WG1015700: No low level sodium bisulfite vials remaining

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	09/06/2017 13:33	WG1017019

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0403	J J0	0.0115	0.0575	1	08/31/2017 18:22	WG1015700
Acrylonitrile	U		0.00206	0.0115	1	08/31/2017 18:22	WG1015700
Benzene	U		0.000311	0.00115	1	08/31/2017 18:22	WG1015700
Bromobenzene	U		0.000327	0.00115	1	08/31/2017 18:22	WG1015700
Bromodichloromethane	U		0.000292	0.00115	1	08/31/2017 18:22	WG1015700
Bromochloromethane	U		0.000449	0.00575	1	08/31/2017 18:22	WG1015700
Bromoform	U		0.000488	0.00115	1	08/31/2017 18:22	WG1015700
Bromomethane	U		0.00154	0.00575	1	08/31/2017 18:22	WG1015700
n-Butylbenzene	U		0.000297	0.00115	1	08/31/2017 18:22	WG1015700
sec-Butylbenzene	U		0.000231	0.00115	1	08/31/2017 18:22	WG1015700
tert-Butylbenzene	U		0.000237	0.00115	1	08/31/2017 18:22	WG1015700
Carbon disulfide	0.00138		0.000254	0.00115	1	08/31/2017 18:22	WG1015700
Carbon tetrachloride	U		0.00944	0.0288	25	09/06/2017 19:50	WG1015700
Chlorobenzene	U		0.000244	0.00115	1	08/31/2017 18:22	WG1015700
Chlorodibromomethane	U		0.000429	0.00115	1	08/31/2017 18:22	WG1015700
Chloroethane	U		0.00109	0.00575	1	08/31/2017 18:22	WG1015700
Chloroform	U		0.000264	0.00575	1	08/31/2017 18:22	WG1015700
Chloromethane	U		0.0108	0.0719	25	09/06/2017 19:50	WG1015700
2-Chlorotoluene	U		0.000346	0.00115	1	08/31/2017 18:22	WG1015700
4-Chlorotoluene	U		0.000276	0.00115	1	08/31/2017 18:22	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	08/31/2017 18:22	WG1015700
1,2-Dibromoethane	U		0.000395	0.00115	1	08/31/2017 18:22	WG1015700
Dibromomethane	U		0.000440	0.00115	1	08/31/2017 18:22	WG1015700
1,2-Dichlorobenzene	U		0.000351	0.00115	1	08/31/2017 18:22	WG1015700
1,3-Dichlorobenzene	U		0.000275	0.00115	1	08/31/2017 18:22	WG1015700
1,4-Dichlorobenzene	U		0.000260	0.00115	1	08/31/2017 18:22	WG1015700
Dichlorodifluoromethane	U		0.000820	0.00575	1	08/31/2017 18:22	WG1015700
1,1-Dichloroethane	U		0.000229	0.00115	1	08/31/2017 18:22	WG1015700
1,2-Dichloroethane	U		0.000305	0.00115	1	08/31/2017 18:22	WG1015700
1,1-Dichloroethene	U		0.000349	0.00115	1	08/31/2017 18:22	WG1015700
cis-1,2-Dichloroethene	U		0.00677	0.0288	25	09/06/2017 19:50	WG1015700
trans-1,2-Dichloroethene	U		0.00759	0.0288	25	09/06/2017 19:50	WG1015700
1,2-Dichloropropane	U		0.000412	0.00115	1	08/31/2017 18:22	WG1015700
1,1-Dichloropropene	U		0.000365	0.00115	1	08/31/2017 18:22	WG1015700
1,3-Dichloropropane	U		0.000238	0.00115	1	08/31/2017 18:22	WG1015700
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	08/31/2017 18:22	WG1015700
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	08/31/2017 18:22	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000895	0.00288	1	08/31/2017 18:22	WG1015700
2,2-Dichloropropane	U		0.00803	0.0288	25	09/06/2017 19:50	WG1015700
Di-isopropyl ether	U		0.00713	0.0288	25	09/06/2017 19:50	WG1015700
Ethylbenzene	U		0.000342	0.00115	1	08/31/2017 18:22	WG1015700
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	08/31/2017 18:22	WG1015700
2-Hexanone	U		0.00158	0.0115	1	08/31/2017 18:22	WG1015700
n-Hexane	0.000453	J J0	0.000334	0.0115	1	08/31/2017 18:22	WG1015700
Iodomethane	U		0.00291	0.0115	1	08/31/2017 18:22	WG1015700
Isopropylbenzene	U		0.000280	0.00115	1	08/31/2017 18:22	WG1015700
p-Isopropyltoluene	U		0.000235	0.00115	1	08/31/2017 18:22	WG1015700
2-Butanone (MEK)	0.0103	J	0.00539	0.0115	1	08/31/2017 18:22	WG1015700
Methylene Chloride	U	J0	0.00115	0.00575	1	08/31/2017 18:22	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	08/31/2017 18:22	WG1015700

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

Analyte	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	08/31/2017 18:22	WG1015700
Naphthalene	U		0.00115	0.00575	1	08/31/2017 18:22	WG1015700
n-Propylbenzene	U		0.000237	0.00115	1	08/31/2017 18:22	WG1015700
Styrene	U		0.000269	0.00115	1	08/31/2017 18:22	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	08/31/2017 18:22	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	08/31/2017 18:22	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	08/31/2017 18:22	WG1015700
Tetrachloroethene	U		0.000318	0.00115	1	08/31/2017 18:22	WG1015700
Toluene	U		0.000499	0.00575	1	08/31/2017 18:22	WG1015700
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	08/31/2017 18:22	WG1015700
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	08/31/2017 18:22	WG1015700
1,1,1-Trichloroethane	U		0.00823	0.0288	25	09/06/2017 19:50	WG1015700
1,1,2-Trichloroethane	U		0.000319	0.00115	1	08/31/2017 18:22	WG1015700
Trichloroethene	U		0.000321	0.00115	1	08/31/2017 18:22	WG1015700
Trichlorofluoromethane	U		0.000440	0.00575	1	08/31/2017 18:22	WG1015700
1,2,3-Trichloropropane	U		0.000853	0.00288	1	08/31/2017 18:22	WG1015700
1,2,4-Trimethylbenzene	U		0.00608	0.0288	25	09/06/2017 19:50	WG1015700
1,2,3-Trimethylbenzene	U		0.00826	0.0288	25	09/06/2017 19:50	WG1015700
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	08/31/2017 18:22	WG1015700
Vinyl acetate	U		0.00275	0.0115	1	08/31/2017 18:22	WG1015700
Vinyl chloride	U		0.000335	0.00115	1	08/31/2017 18:22	WG1015700
Xylenes, Total	U		0.000803	0.00345	1	08/31/2017 18:22	WG1015700
(S) Toluene-d8	*86.6*			*80.0-120*		*09/06/2017 19:50*	WG1015700
(S) Toluene-d8	*99.6*			*80.0-120*		*08/31/2017 18:22*	WG1015700
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*09/06/2017 19:50*	WG1015700
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*08/31/2017 18:22*	WG1015700
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/06/2017 19:50*	WG1015700
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*		*08/31/2017 18:22*	WG1015700

Sample Narrative:

L932876-02 WG1015700: No low level sodium bisulfite vials remaining

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	09/08/2017 13:40	WG1018225

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0178	J	0.0109	0.0544	1	09/08/2017 14:32	WG1018274
Acrylonitrile	U		0.00195	0.0109	1	09/08/2017 14:32	WG1018274
Benzene	0.000838	J	0.000294	0.00109	1	09/08/2017 14:32	WG1018274
Bromobenzene	U		0.000309	0.00109	1	09/08/2017 14:32	WG1018274
Bromodichloromethane	U		0.000276	0.00109	1	09/08/2017 14:32	WG1018274
Bromochloromethane	U		0.000424	0.00544	1	09/08/2017 14:32	WG1018274
Bromoform	U		0.000461	0.00109	1	09/08/2017 14:32	WG1018274
Bromomethane	U		0.00146	0.00544	1	09/08/2017 14:32	WG1018274
n-Butylbenzene	U		0.000281	0.00109	1	09/08/2017 14:32	WG1018274
sec-Butylbenzene	U		0.000219	0.00109	1	09/08/2017 14:32	WG1018274
tert-Butylbenzene	U		0.000224	0.00109	1	09/08/2017 14:32	WG1018274
Carbon disulfide	0.00256		0.000240	0.00109	1	09/08/2017 14:32	WG1018274
Carbon tetrachloride	U		0.000357	0.00109	1	09/08/2017 14:32	WG1018274
Chlorobenzene	U		0.000231	0.00109	1	09/08/2017 14:32	WG1018274
Chlorodibromomethane	U		0.000406	0.00109	1	09/08/2017 14:32	WG1018274
Chloroethane	U		0.00103	0.00544	1	09/08/2017 14:32	WG1018274
Chloroform	U		0.000249	0.00544	1	09/08/2017 14:32	WG1018274
Chloromethane	U		0.000408	0.00272	1	09/08/2017 14:32	WG1018274
2-Chlorotoluene	U		0.000327	0.00109	1	09/08/2017 14:32	WG1018274
4-Chlorotoluene	U		0.000261	0.00109	1	09/08/2017 14:32	WG1018274
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	09/08/2017 14:32	WG1018274
1,2-Dibromoethane	U		0.000373	0.00109	1	09/08/2017 14:32	WG1018274
Dibromomethane	U		0.000415	0.00109	1	09/08/2017 14:32	WG1018274
1,2-Dichlorobenzene	U		0.000332	0.00109	1	09/08/2017 14:32	WG1018274
1,3-Dichlorobenzene	U		0.000260	0.00109	1	09/08/2017 14:32	WG1018274
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/08/2017 14:32	WG1018274
Dichlorodifluoromethane	U		0.000775	0.00544	1	09/08/2017 14:32	WG1018274
1,1-Dichloroethane	U		0.000216	0.00109	1	09/08/2017 14:32	WG1018274
1,2-Dichloroethane	U		0.000288	0.00109	1	09/08/2017 14:32	WG1018274
1,1-Dichloroethene	U		0.000330	0.00109	1	09/08/2017 14:32	WG1018274
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	09/08/2017 14:32	WG1018274
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	09/08/2017 14:32	WG1018274
1,2-Dichloropropane	U		0.000389	0.00109	1	09/08/2017 14:32	WG1018274
1,1-Dichloropropene	U		0.000345	0.00109	1	09/08/2017 14:32	WG1018274
1,3-Dichloropropane	U		0.000225	0.00109	1	09/08/2017 14:32	WG1018274
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	09/08/2017 14:32	WG1018274
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	09/08/2017 14:32	WG1018274
trans-1,4-Dichloro-2-butene	U		0.000846	0.00272	1	09/08/2017 14:32	WG1018274
2,2-Dichloropropane	U		0.000303	0.00109	1	09/08/2017 14:32	WG1018274
Di-isopropyl ether	U		0.000270	0.00109	1	09/08/2017 14:32	WG1018274
Ethylbenzene	U		0.000323	0.00109	1	09/08/2017 14:32	WG1018274
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	09/08/2017 14:32	WG1018274
2-Hexanone	U		0.00149	0.0109	1	09/08/2017 14:32	WG1018274
n-Hexane	0.00387	J	0.000315	0.0109	1	09/08/2017 14:32	WG1018274
Iodomethane	U		0.00275	0.0109	1	09/08/2017 14:32	WG1018274
Isopropylbenzene	U		0.000264	0.00109	1	09/08/2017 14:32	WG1018274
p-Isopropyltoluene	U		0.000222	0.00109	1	09/08/2017 14:32	WG1018274
2-Butanone (MEK)	U		0.00509	0.0109	1	09/08/2017 14:32	WG1018274
Methylene Chloride	U		0.00109	0.00544	1	09/08/2017 14:32	WG1018274
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	09/08/2017 14:32	WG1018274

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		0.000231	0.00109	1	09/08/2017 14:32	WG1018274
Naphthalene	U		0.00109	0.00544	1	09/08/2017 14:32	WG1018274
n-Propylbenzene	U		0.000224	0.00109	1	09/08/2017 14:32	WG1018274
Styrene	U		0.000254	0.00109	1	09/08/2017 14:32	WG1018274
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	09/08/2017 14:32	WG1018274
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	09/08/2017 14:32	WG1018274
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	09/08/2017 14:32	WG1018274
Tetrachloroethene	U		0.000300	0.00109	1	09/08/2017 14:32	WG1018274
Toluene	U		0.000472	0.00544	1	09/08/2017 14:32	WG1018274
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	09/08/2017 14:32	WG1018274
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	09/08/2017 14:32	WG1018274
1,1,1-Trichloroethane	U		0.000311	0.00109	1	09/08/2017 14:32	WG1018274
1,1,2-Trichloroethane	U		0.000301	0.00109	1	09/08/2017 14:32	WG1018274
Trichloroethene	U		0.000303	0.00109	1	09/08/2017 14:32	WG1018274
Trichlorofluoromethane	U		0.000415	0.00544	1	09/08/2017 14:32	WG1018274
1,2,3-Trichloropropane	U		0.000806	0.00272	1	09/08/2017 14:32	WG1018274
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	09/08/2017 14:32	WG1018274
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	09/08/2017 14:32	WG1018274
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	09/08/2017 14:32	WG1018274
Vinyl acetate	U		0.00260	0.0109	1	09/08/2017 14:32	WG1018274
Vinyl chloride	U		0.000316	0.00109	1	09/08/2017 14:32	WG1018274
Xylenes, Total	U		0.000759	0.00326	1	09/08/2017 14:32	WG1018274
(S) Toluene-d8	*101*			*80.0-120*		*09/08/2017 14:32*	WG1018274
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/08/2017 14:32*	WG1018274
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/08/2017 14:32*	WG1018274

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.0		1	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.12	3.29	25	09/08/2017 12:23	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*77.0-120*		*09/08/2017 12:23*	WG1017991

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0219	J J0	0.0132	0.0658	1	08/31/2017 18:43	WG1015700
Acrylonitrile	U		0.00236	0.0132	1	08/31/2017 18:43	WG1015700
Benzene	0.00197		0.000355	0.00132	1	08/31/2017 18:43	WG1015700
Bromobenzene	U		0.000374	0.00132	1	08/31/2017 18:43	WG1015700
Bromodichloromethane	U		0.000334	0.00132	1	08/31/2017 18:43	WG1015700
Bromochloromethane	U		0.000513	0.00658	1	08/31/2017 18:43	WG1015700
Bromoform	U		0.000558	0.00132	1	08/31/2017 18:43	WG1015700
Bromomethane	U		0.00176	0.00658	1	08/31/2017 18:43	WG1015700
n-Butylbenzene	U		0.000340	0.00132	1	08/31/2017 18:43	WG1015700
sec-Butylbenzene	U		0.000265	0.00132	1	08/31/2017 18:43	WG1015700
tert-Butylbenzene	U		0.000271	0.00132	1	08/31/2017 18:43	WG1015700
Carbon disulfide	0.000769	J	0.000291	0.00132	1	08/31/2017 18:43	WG1015700
Carbon tetrachloride	U		0.000432	0.00132	1	09/06/2017 20:16	WG1015700
Chlorobenzene	U		0.000279	0.00132	1	08/31/2017 18:43	WG1015700
Chlorodibromomethane	U		0.000491	0.00132	1	08/31/2017 18:43	WG1015700
Chloroethane	U		0.00124	0.00658	1	08/31/2017 18:43	WG1015700
Chloroform	U		0.000301	0.00658	1	08/31/2017 18:43	WG1015700
Chloromethane	U		0.000494	0.00329	1	09/06/2017 20:16	WG1015700
2-Chlorotoluene	U		0.000396	0.00132	1	08/31/2017 18:43	WG1015700
4-Chlorotoluene	U		0.000316	0.00132	1	08/31/2017 18:43	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00138	0.00658	1	08/31/2017 18:43	WG1015700
1,2-Dibromoethane	U		0.000451	0.00132	1	08/31/2017 18:43	WG1015700
Dibromomethane	U		0.000503	0.00132	1	08/31/2017 18:43	WG1015700
1,2-Dichlorobenzene	U		0.000401	0.00132	1	08/31/2017 18:43	WG1015700
1,3-Dichlorobenzene	U		0.000315	0.00132	1	08/31/2017 18:43	WG1015700
1,4-Dichlorobenzene	U		0.000297	0.00132	1	08/31/2017 18:43	WG1015700
Dichlorodifluoromethane	U		0.000938	0.00658	1	08/31/2017 18:43	WG1015700
1,1-Dichloroethane	U		0.000262	0.00132	1	08/31/2017 18:43	WG1015700
1,2-Dichloroethane	U		0.000349	0.00132	1	08/31/2017 18:43	WG1015700
1,1-Dichloroethene	U		0.000399	0.00132	1	08/31/2017 18:43	WG1015700
cis-1,2-Dichloroethene	U		0.000309	0.00132	1	09/06/2017 20:16	WG1015700
trans-1,2-Dichloroethene	U		0.000347	0.00132	1	09/06/2017 20:16	WG1015700
1,2-Dichloropropane	U		0.000471	0.00132	1	08/31/2017 18:43	WG1015700
1,1-Dichloropropene	U		0.000417	0.00132	1	08/31/2017 18:43	WG1015700
1,3-Dichloropropane	U		0.000272	0.00132	1	08/31/2017 18:43	WG1015700
cis-1,3-Dichloropropene	U		0.000345	0.00132	1	08/31/2017 18:43	WG1015700
trans-1,3-Dichloropropene	U		0.000351	0.00132	1	08/31/2017 18:43	WG1015700
trans-1,4-Dichloro-2-butene	U		0.00102	0.00329	1	08/31/2017 18:43	WG1015700
2,2-Dichloropropane	U		0.000367	0.00132	1	09/06/2017 20:16	WG1015700
Di-isopropyl ether	U		0.000326	0.00132	1	09/06/2017 20:16	WG1015700
Ethylbenzene	U		0.000391	0.00132	1	08/31/2017 18:43	WG1015700
Hexachloro-1,3-butadiene	U		0.000450	0.00132	1	08/31/2017 18:43	WG1015700
2-Hexanone	U		0.00180	0.0132	1	08/31/2017 18:43	WG1015700
n-Hexane	U	J0	0.000382	0.0132	1	08/31/2017 18:43	WG1015700

Volatile Organic Compounds (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		0.00333	0.0132	1	08/31/2017 18:43	WG1015700
Isopropylbenzene	U		0.000320	0.00132	1	08/31/2017 18:43	WG1015700
p-Isopropyltoluene	U		0.000268	0.00132	1	08/31/2017 18:43	WG1015700
2-Butanone (MEK)	U		0.00616	0.0132	1	08/31/2017 18:43	WG1015700
Methylene Chloride	U	J0	0.00132	0.00658	1	08/31/2017 18:43	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00247	0.0132	1	08/31/2017 18:43	WG1015700
Methyl tert-butyl ether	U		0.000279	0.00132	1	08/31/2017 18:43	WG1015700
Naphthalene	U		0.00132	0.00658	1	08/31/2017 18:43	WG1015700
n-Propylbenzene	U		0.000271	0.00132	1	08/31/2017 18:43	WG1015700
Styrene	U		0.000308	0.00132	1	08/31/2017 18:43	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000347	0.00132	1	08/31/2017 18:43	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000480	0.00132	1	08/31/2017 18:43	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000480	0.00132	1	08/31/2017 18:43	WG1015700
Tetrachloroethene	U		0.000363	0.00132	1	08/31/2017 18:43	WG1015700
Toluene	U		0.000571	0.00658	1	08/31/2017 18:43	WG1015700
1,2,3-Trichlorobenzene	U		0.000403	0.00132	1	08/31/2017 18:43	WG1015700
1,2,4-Trichlorobenzene	U		0.000511	0.00132	1	08/31/2017 18:43	WG1015700
1,1,1-Trichloroethane	U		0.000376	0.00132	1	09/06/2017 20:16	WG1015700
1,1,2-Trichloroethane	U		0.000365	0.00132	1	08/31/2017 18:43	WG1015700
Trichloroethene	U		0.000367	0.00132	1	08/31/2017 18:43	WG1015700
Trichlorofluoromethane	U		0.000503	0.00658	1	08/31/2017 18:43	WG1015700
1,2,3-Trichloropropane	U		0.000975	0.00329	1	08/31/2017 18:43	WG1015700
1,2,4-Trimethylbenzene	U		0.000278	0.00132	1	09/06/2017 20:16	WG1015700
1,2,3-Trimethylbenzene	U		0.000378	0.00132	1	09/06/2017 20:16	WG1015700
1,3,5-Trimethylbenzene	U		0.000350	0.00132	1	08/31/2017 18:43	WG1015700
Vinyl acetate	U		0.00315	0.0132	1	08/31/2017 18:43	WG1015700
Vinyl chloride	U		0.000383	0.00132	1	08/31/2017 18:43	WG1015700
Xylenes, Total	U		0.000919	0.00395	1	08/31/2017 18:43	WG1015700
(S) Toluene-d8	*95.0*			*80.0-120*		*09/06/2017 20:16*	WG1015700
(S) Toluene-d8	*100*			*80.0-120*		*08/31/2017 18:43*	WG1015700
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/06/2017 20:16*	WG1015700
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*08/31/2017 18:43*	WG1015700
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*08/31/2017 18:43*	WG1015700
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/06/2017 20:16*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC/MS) 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	08/31/2017 19:04	WG1015700
Acrylonitrile	U		0.00199	0.0111	1	08/31/2017 19:04	WG1015700
Benzene	U		0.000300	0.00111	1	08/31/2017 19:04	WG1015700
Bromobenzene	U		0.000315	0.00111	1	08/31/2017 19:04	WG1015700
Bromodichloromethane	U		0.000282	0.00111	1	08/31/2017 19:04	WG1015700
Bromochloromethane	U		0.000433	0.00555	1	08/31/2017 19:04	WG1015700
Bromoform	U		0.000471	0.00111	1	08/31/2017 19:04	WG1015700
Bromomethane	U		0.00149	0.00555	1	08/31/2017 19:04	WG1015700
n-Butylbenzene	U		0.000287	0.00111	1	08/31/2017 19:04	WG1015700
sec-Butylbenzene	U		0.000223	0.00111	1	08/31/2017 19:04	WG1015700
tert-Butylbenzene	U		0.000229	0.00111	1	08/31/2017 19:04	WG1015700
Carbon disulfide	0.000260	J	0.000246	0.00111	1	08/31/2017 19:04	WG1015700
Carbon tetrachloride	U		0.000364	0.00111	1	09/06/2017 20:41	WG1015700
Chlorobenzene	U		0.000236	0.00111	1	08/31/2017 19:04	WG1015700
Chlorodibromomethane	U		0.000414	0.00111	1	08/31/2017 19:04	WG1015700
Chloroethane	U		0.00105	0.00555	1	08/31/2017 19:04	WG1015700
Chloroform	U		0.000254	0.00555	1	08/31/2017 19:04	WG1015700
Chloromethane	U		0.000417	0.00278	1	09/06/2017 20:41	WG1015700
2-Chlorotoluene	U		0.000334	0.00111	1	08/31/2017 19:04	WG1015700
4-Chlorotoluene	U		0.000267	0.00111	1	08/31/2017 19:04	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	08/31/2017 19:04	WG1015700
1,2-Dibromoethane	U		0.000381	0.00111	1	08/31/2017 19:04	WG1015700
Dibromomethane	U		0.000424	0.00111	1	08/31/2017 19:04	WG1015700
1,2-Dichlorobenzene	U		0.000339	0.00111	1	08/31/2017 19:04	WG1015700
1,3-Dichlorobenzene	U		0.000266	0.00111	1	08/31/2017 19:04	WG1015700
1,4-Dichlorobenzene	U		0.000251	0.00111	1	08/31/2017 19:04	WG1015700
Dichlorodifluoromethane	U		0.000792	0.00555	1	08/31/2017 19:04	WG1015700
1,1-Dichloroethane	U		0.000221	0.00111	1	08/31/2017 19:04	WG1015700
1,2-Dichloroethane	U		0.000294	0.00111	1	08/31/2017 19:04	WG1015700
1,1-Dichloroethene	U		0.000337	0.00111	1	08/31/2017 19:04	WG1015700
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	09/06/2017 20:41	WG1015700
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/06/2017 20:41	WG1015700
1,2-Dichloropropane	U		0.000398	0.00111	1	08/31/2017 19:04	WG1015700
1,1-Dichloropropene	U		0.000352	0.00111	1	08/31/2017 19:04	WG1015700
1,3-Dichloropropane	U		0.000230	0.00111	1	08/31/2017 19:04	WG1015700
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	08/31/2017 19:04	WG1015700
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	08/31/2017 19:04	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	08/31/2017 19:04	WG1015700
2,2-Dichloropropane	U		0.000310	0.00111	1	09/06/2017 20:41	WG1015700
Di-isopropyl ether	U		0.000276	0.00111	1	09/06/2017 20:41	WG1015700
Ethylbenzene	U		0.000330	0.00111	1	08/31/2017 19:04	WG1015700
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	08/31/2017 19:04	WG1015700
2-Hexanone	U		0.00152	0.0111	1	08/31/2017 19:04	WG1015700
n-Hexane	U	J0	0.000322	0.0111	1	08/31/2017 19:04	WG1015700
Iodomethane	U		0.00281	0.0111	1	08/31/2017 19:04	WG1015700
Isopropylbenzene	U		0.000270	0.00111	1	08/31/2017 19:04	WG1015700
p-Isopropyltoluene	U		0.000227	0.00111	1	08/31/2017 19:04	WG1015700
2-Butanone (MEK)	U		0.00520	0.0111	1	08/31/2017 19:04	WG1015700
Methylene Chloride	U	J0	0.00111	0.00555	1	08/31/2017 19:04	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	08/31/2017 19:04	WG1015700

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

Analyte	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	08/31/2017 19:04	WG1015700
Naphthalene	U		0.00111	0.00555	1	08/31/2017 19:04	WG1015700
n-Propylbenzene	U		0.000229	0.00111	1	08/31/2017 19:04	WG1015700
Styrene	U		0.000260	0.00111	1	08/31/2017 19:04	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	08/31/2017 19:04	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	08/31/2017 19:04	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	08/31/2017 19:04	WG1015700
Tetrachloroethene	U		0.000307	0.00111	1	08/31/2017 19:04	WG1015700
Toluene	U		0.000482	0.00555	1	08/31/2017 19:04	WG1015700
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	08/31/2017 19:04	WG1015700
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	08/31/2017 19:04	WG1015700
1,1,1-Trichloroethane	U		0.000318	0.00111	1	09/06/2017 20:41	WG1015700
1,1,2-Trichloroethane	U		0.000308	0.00111	1	08/31/2017 19:04	WG1015700
Trichloroethene	U		0.000310	0.00111	1	08/31/2017 19:04	WG1015700
Trichlorofluoromethane	U		0.000424	0.00555	1	08/31/2017 19:04	WG1015700
1,2,3-Trichloropropane	U		0.000823	0.00278	1	08/31/2017 19:04	WG1015700
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/06/2017 20:41	WG1015700
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	09/06/2017 20:41	WG1015700
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	08/31/2017 19:04	WG1015700
Vinyl acetate	U		0.00266	0.0111	1	08/31/2017 19:04	WG1015700
Vinyl chloride	U		0.000323	0.00111	1	08/31/2017 19:04	WG1015700
Xylenes, Total	U		0.000775	0.00333	1	08/31/2017 19:04	WG1015700
(S) Toluene-d8	*94.6*			*80.0-120*		*09/06/2017 20:41*	WG1015700
(S) Toluene-d8	*98.5*			*80.0-120*		*08/31/2017 19:04*	WG1015700
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/06/2017 20:41*	WG1015700
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*08/31/2017 19:04*	WG1015700
(S) 4-Bromofluorobenzene	*89.6*			*64.0-132*		*08/31/2017 19:04*	WG1015700
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/06/2017 20:41*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC/MS) 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	08/31/2017 19:24	WG1015700
Acrylonitrile	U		0.00200	0.0112	1	08/31/2017 19:24	WG1015700
Benzene	U		0.000301	0.00112	1	08/31/2017 19:24	WG1015700
Bromobenzene	U		0.000317	0.00112	1	08/31/2017 19:24	WG1015700
Bromodichloromethane	U		0.000284	0.00112	1	08/31/2017 19:24	WG1015700
Bromochloromethane	U		0.000435	0.00558	1	08/31/2017 19:24	WG1015700
Bromoform	U		0.000473	0.00112	1	08/31/2017 19:24	WG1015700
Bromomethane	U		0.00150	0.00558	1	08/31/2017 19:24	WG1015700
n-Butylbenzene	U		0.000288	0.00112	1	08/31/2017 19:24	WG1015700
sec-Butylbenzene	U		0.000224	0.00112	1	08/31/2017 19:24	WG1015700
tert-Butylbenzene	U		0.000230	0.00112	1	08/31/2017 19:24	WG1015700
Carbon disulfide	0.000451	J	0.000247	0.00112	1	08/31/2017 19:24	WG1015700
Carbon tetrachloride	U		0.000366	0.00112	1	09/06/2017 21:08	WG1015700
Chlorobenzene	U		0.000237	0.00112	1	08/31/2017 19:24	WG1015700
Chlorodibromomethane	U		0.000416	0.00112	1	08/31/2017 19:24	WG1015700
Chloroethane	U		0.00106	0.00558	1	08/31/2017 19:24	WG1015700
Chloroform	U		0.000256	0.00558	1	08/31/2017 19:24	WG1015700
Chloromethane	U		0.000419	0.00279	1	09/06/2017 21:08	WG1015700
2-Chlorotoluene	U		0.000336	0.00112	1	08/31/2017 19:24	WG1015700
4-Chlorotoluene	U		0.000268	0.00112	1	08/31/2017 19:24	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	08/31/2017 19:24	WG1015700
1,2-Dibromoethane	U		0.000383	0.00112	1	08/31/2017 19:24	WG1015700
Dibromomethane	U		0.000426	0.00112	1	08/31/2017 19:24	WG1015700
1,2-Dichlorobenzene	U		0.000340	0.00112	1	08/31/2017 19:24	WG1015700
1,3-Dichlorobenzene	U		0.000267	0.00112	1	08/31/2017 19:24	WG1015700
1,4-Dichlorobenzene	U		0.000252	0.00112	1	08/31/2017 19:24	WG1015700
Dichlorodifluoromethane	U		0.000796	0.00558	1	08/31/2017 19:24	WG1015700
1,1-Dichloroethane	U		0.000222	0.00112	1	08/31/2017 19:24	WG1015700
1,2-Dichloroethane	U		0.000296	0.00112	1	08/31/2017 19:24	WG1015700
1,1-Dichloroethene	U		0.000338	0.00112	1	08/31/2017 19:24	WG1015700
cis-1,2-Dichloroethene	U		0.000262	0.00112	1	09/06/2017 21:08	WG1015700
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/06/2017 21:08	WG1015700
1,2-Dichloropropane	U		0.000400	0.00112	1	08/31/2017 19:24	WG1015700
1,1-Dichloropropene	U		0.000354	0.00112	1	08/31/2017 19:24	WG1015700
1,3-Dichloropropane	U		0.000231	0.00112	1	08/31/2017 19:24	WG1015700
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	08/31/2017 19:24	WG1015700
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	08/31/2017 19:24	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	08/31/2017 19:24	WG1015700
2,2-Dichloropropane	U		0.000311	0.00112	1	09/06/2017 21:08	WG1015700
Di-isopropyl ether	U		0.000277	0.00112	1	09/06/2017 21:08	WG1015700
Ethylbenzene	U		0.000332	0.00112	1	08/31/2017 19:24	WG1015700
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	08/31/2017 19:24	WG1015700
2-Hexanone	U		0.00153	0.0112	1	08/31/2017 19:24	WG1015700
n-Hexane	U	J0	0.000324	0.0112	1	08/31/2017 19:24	WG1015700
Iodomethane	U		0.00282	0.0112	1	08/31/2017 19:24	WG1015700
Isopropylbenzene	U		0.000271	0.00112	1	08/31/2017 19:24	WG1015700
p-Isopropyltoluene	U		0.000228	0.00112	1	08/31/2017 19:24	WG1015700
2-Butanone (MEK)	U		0.00522	0.0112	1	08/31/2017 19:24	WG1015700
Methylene Chloride	U	J0	0.00112	0.00558	1	08/31/2017 19:24	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	08/31/2017 19:24	WG1015700

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

Analyte	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	08/31/2017 19:24	WG1015700
Naphthalene	U		0.00112	0.00558	1	08/31/2017 19:24	WG1015700
n-Propylbenzene	U		0.000230	0.00112	1	08/31/2017 19:24	WG1015700
Styrene	U		0.000261	0.00112	1	08/31/2017 19:24	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	08/31/2017 19:24	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	08/31/2017 19:24	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	08/31/2017 19:24	WG1015700
Tetrachloroethene	U		0.000308	0.00112	1	08/31/2017 19:24	WG1015700
Toluene	U		0.000485	0.00558	1	08/31/2017 19:24	WG1015700
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	08/31/2017 19:24	WG1015700
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	08/31/2017 19:24	WG1015700
1,1,1-Trichloroethane	U		0.000319	0.00112	1	09/06/2017 21:08	WG1015700
1,1,2-Trichloroethane	U		0.000309	0.00112	1	08/31/2017 19:24	WG1015700
Trichloroethene	U		0.000311	0.00112	1	08/31/2017 19:24	WG1015700
Trichlorofluoromethane	U		0.000426	0.00558	1	08/31/2017 19:24	WG1015700
1,2,3-Trichloropropane	U		0.000827	0.00279	1	08/31/2017 19:24	WG1015700
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/06/2017 21:08	WG1015700
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	09/06/2017 21:08	WG1015700
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	08/31/2017 19:24	WG1015700
Vinyl acetate	U		0.00267	0.0112	1	08/31/2017 19:24	WG1015700
Vinyl chloride	U		0.000325	0.00112	1	08/31/2017 19:24	WG1015700
Xylenes, Total	U		0.000779	0.00335	1	08/31/2017 19:24	WG1015700
(S) Toluene-d8	*99.7*			*80.0-120*		*08/31/2017 19:24*	WG1015700
(S) Toluene-d8	*94.3*			*80.0-120*		*09/06/2017 21:08*	WG1015700
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/06/2017 21:08*	WG1015700
(S) Dibromofluoromethane	*95.8*			*74.0-131*		*08/31/2017 19:24*	WG1015700
(S) 4-Bromofluorobenzene	*89.2*			*64.0-132*		*08/31/2017 19:24*	WG1015700
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/06/2017 21:08*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC/MS) 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	08/31/2017 19:59	WG1015700
Acrylonitrile	U		0.00200	0.0112	1	08/31/2017 19:59	WG1015700
Benzene	U		0.000302	0.00112	1	08/31/2017 19:59	WG1015700
Bromobenzene	U		0.000318	0.00112	1	08/31/2017 19:59	WG1015700
Bromodichloromethane	U		0.000284	0.00112	1	08/31/2017 19:59	WG1015700
Bromochloromethane	U		0.000436	0.00560	1	08/31/2017 19:59	WG1015700
Bromoform	U		0.000474	0.00112	1	08/31/2017 19:59	WG1015700
Bromomethane	U		0.00150	0.00560	1	08/31/2017 19:59	WG1015700
n-Butylbenzene	U		0.000289	0.00112	1	08/31/2017 19:59	WG1015700
sec-Butylbenzene	U		0.000225	0.00112	1	08/31/2017 19:59	WG1015700
tert-Butylbenzene	U		0.000231	0.00112	1	08/31/2017 19:59	WG1015700
Carbon disulfide	U		0.000247	0.00112	1	08/31/2017 19:59	WG1015700
Carbon tetrachloride	U		0.000367	0.00112	1	09/06/2017 21:34	WG1015700
Chlorobenzene	U		0.000237	0.00112	1	08/31/2017 19:59	WG1015700
Chlorodibromomethane	U		0.000417	0.00112	1	08/31/2017 19:59	WG1015700
Chloroethane	U		0.00106	0.00560	1	08/31/2017 19:59	WG1015700
Chloroform	U		0.000256	0.00560	1	08/31/2017 19:59	WG1015700
Chloromethane	U		0.000420	0.00280	1	09/06/2017 21:34	WG1015700
2-Chlorotoluene	U		0.000337	0.00112	1	08/31/2017 19:59	WG1015700
4-Chlorotoluene	U		0.000269	0.00112	1	08/31/2017 19:59	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00560	1	08/31/2017 19:59	WG1015700
1,2-Dibromoethane	U		0.000384	0.00112	1	08/31/2017 19:59	WG1015700
Dibromomethane	U		0.000427	0.00112	1	08/31/2017 19:59	WG1015700
1,2-Dichlorobenzene	U		0.000341	0.00112	1	08/31/2017 19:59	WG1015700
1,3-Dichlorobenzene	U		0.000267	0.00112	1	08/31/2017 19:59	WG1015700
1,4-Dichlorobenzene	U		0.000253	0.00112	1	08/31/2017 19:59	WG1015700
Dichlorodifluoromethane	U		0.000798	0.00560	1	08/31/2017 19:59	WG1015700
1,1-Dichloroethane	U		0.000223	0.00112	1	08/31/2017 19:59	WG1015700
1,2-Dichloroethane	U		0.000297	0.00112	1	08/31/2017 19:59	WG1015700
1,1-Dichloroethene	U		0.000339	0.00112	1	08/31/2017 19:59	WG1015700
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	09/06/2017 21:34	WG1015700
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/06/2017 21:34	WG1015700
1,2-Dichloropropane	U		0.000401	0.00112	1	08/31/2017 19:59	WG1015700
1,1-Dichloropropene	U		0.000355	0.00112	1	08/31/2017 19:59	WG1015700
1,3-Dichloropropane	U		0.000232	0.00112	1	08/31/2017 19:59	WG1015700
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	08/31/2017 19:59	WG1015700
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	08/31/2017 19:59	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	08/31/2017 19:59	WG1015700
2,2-Dichloropropane	U		0.000312	0.00112	1	09/06/2017 21:34	WG1015700
Di-isopropyl ether	U		0.000278	0.00112	1	09/06/2017 21:34	WG1015700
Ethylbenzene	U		0.000332	0.00112	1	08/31/2017 19:59	WG1015700
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	08/31/2017 19:59	WG1015700
2-Hexanone	U		0.00153	0.0112	1	08/31/2017 19:59	WG1015700
n-Hexane	U	J0	0.000325	0.0112	1	08/31/2017 19:59	WG1015700
Iodomethane	U		0.00283	0.0112	1	08/31/2017 19:59	WG1015700
Isopropylbenzene	U		0.000272	0.00112	1	08/31/2017 19:59	WG1015700
p-Isopropyltoluene	U		0.000228	0.00112	1	08/31/2017 19:59	WG1015700
2-Butanone (MEK)	U		0.00524	0.0112	1	08/31/2017 19:59	WG1015700
Methylene Chloride	U	J0	0.00112	0.00560	1	08/31/2017 19:59	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	08/31/2017 19:59	WG1015700

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		0.000237	0.00112	1	08/31/2017 19:59	WG1015700
Naphthalene	U		0.00112	0.00560	1	08/31/2017 19:59	WG1015700
n-Propylbenzene	U		0.000231	0.00112	1	08/31/2017 19:59	WG1015700
Styrene	U		0.000262	0.00112	1	08/31/2017 19:59	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	08/31/2017 19:59	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	08/31/2017 19:59	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	08/31/2017 19:59	WG1015700
Tetrachloroethene	U		0.000309	0.00112	1	08/31/2017 19:59	WG1015700
Toluene	U		0.000486	0.00560	1	08/31/2017 19:59	WG1015700
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	08/31/2017 19:59	WG1015700
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	08/31/2017 19:59	WG1015700
1,1,1-Trichloroethane	U		0.000320	0.00112	1	09/06/2017 21:34	WG1015700
1,1,2-Trichloroethane	U		0.000310	0.00112	1	08/31/2017 19:59	WG1015700
Trichloroethene	U		0.000312	0.00112	1	08/31/2017 19:59	WG1015700
Trichlorofluoromethane	U		0.000427	0.00560	1	08/31/2017 19:59	WG1015700
1,2,3-Trichloropropane	U		0.000829	0.00280	1	08/31/2017 19:59	WG1015700
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/06/2017 21:34	WG1015700
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	09/06/2017 21:34	WG1015700
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	08/31/2017 19:59	WG1015700
Vinyl acetate	U		0.00267	0.0112	1	08/31/2017 19:59	WG1015700
Vinyl chloride	U		0.000326	0.00112	1	08/31/2017 19:59	WG1015700
Xylenes, Total	U		0.000781	0.00336	1	08/31/2017 19:59	WG1015700
(S) Toluene-d8	*95.6*			*80.0-120*		*09/06/2017 21:34*	WG1015700
(S) Toluene-d8	*102*			*80.0-120*		*08/31/2017 19:59*	WG1015700
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/06/2017 21:34*	WG1015700
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*08/31/2017 19:59*	WG1015700
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*08/31/2017 19:59*	WG1015700
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/06/2017 21:34*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	09/06/2017 13:33	WG1017019

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		0.984	2.90	25	09/08/2017 12:45	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*77.0-120*		*09/08/2017 12:45*	WG1017991

Volatile Organic Compounds (GC/MS) 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	08/31/2017 20:20	WG1015700
Acrylonitrile	U		0.00208	0.0116	1	08/31/2017 20:20	WG1015700
Benzene	U		0.000313	0.00116	1	08/31/2017 20:20	WG1015700
Bromobenzene	U		0.000330	0.00116	1	08/31/2017 20:20	WG1015700
Bromodichloromethane	U		0.000295	0.00116	1	08/31/2017 20:20	WG1015700
Bromochloromethane	U		0.000453	0.00580	1	08/31/2017 20:20	WG1015700
Bromoform	U		0.000492	0.00116	1	08/31/2017 20:20	WG1015700
Bromomethane	U		0.00155	0.00580	1	08/31/2017 20:20	WG1015700
n-Butylbenzene	U		0.000299	0.00116	1	08/31/2017 20:20	WG1015700
sec-Butylbenzene	U		0.000233	0.00116	1	08/31/2017 20:20	WG1015700
tert-Butylbenzene	U		0.000239	0.00116	1	08/31/2017 20:20	WG1015700
Carbon disulfide	0.00115	J	0.000256	0.00116	1	08/31/2017 20:20	WG1015700
Carbon tetrachloride	U		0.00951	0.0290	25	09/06/2017 21:59	WG1015700
Chlorobenzene	U		0.000246	0.00116	1	08/31/2017 20:20	WG1015700
Chlorodibromomethane	U		0.000433	0.00116	1	08/31/2017 20:20	WG1015700
Chloroethane	0.00137	J	0.00110	0.00580	1	08/31/2017 20:20	WG1015700
Chloroform	U		0.000266	0.00580	1	08/31/2017 20:20	WG1015700
Chloromethane	U		0.0109	0.0725	25	09/06/2017 21:59	WG1015700
2-Chlorotoluene	U		0.000349	0.00116	1	08/31/2017 20:20	WG1015700
4-Chlorotoluene	U		0.000278	0.00116	1	08/31/2017 20:20	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	08/31/2017 20:20	WG1015700
1,2-Dibromoethane	U		0.000398	0.00116	1	08/31/2017 20:20	WG1015700
Dibromomethane	U		0.000443	0.00116	1	08/31/2017 20:20	WG1015700
1,2-Dichlorobenzene	U		0.000354	0.00116	1	08/31/2017 20:20	WG1015700
1,3-Dichlorobenzene	U		0.000277	0.00116	1	08/31/2017 20:20	WG1015700
1,4-Dichlorobenzene	U		0.000262	0.00116	1	08/31/2017 20:20	WG1015700
Dichlorodifluoromethane	U		0.000827	0.00580	1	08/31/2017 20:20	WG1015700
1,1-Dichloroethane	U		0.000231	0.00116	1	08/31/2017 20:20	WG1015700
1,2-Dichloroethane	U		0.000307	0.00116	1	08/31/2017 20:20	WG1015700
1,1-Dichloroethene	0.00306		0.000352	0.00116	1	08/31/2017 20:20	WG1015700
cis-1,2-Dichloroethene	2.58		0.00682	0.0290	25	09/06/2017 21:59	WG1015700
trans-1,2-Dichloroethene	0.0111	J	0.00766	0.0290	25	09/06/2017 21:59	WG1015700
1,2-Dichloropropane	U		0.000415	0.00116	1	08/31/2017 20:20	WG1015700
1,1-Dichloropropene	U		0.000368	0.00116	1	08/31/2017 20:20	WG1015700
1,3-Dichloropropane	U		0.000240	0.00116	1	08/31/2017 20:20	WG1015700
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	08/31/2017 20:20	WG1015700
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	08/31/2017 20:20	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	08/31/2017 20:20	WG1015700
2,2-Dichloropropane	U		0.00810	0.0290	25	09/06/2017 21:59	WG1015700
Di-isopropyl ether	U		0.00719	0.0290	25	09/06/2017 21:59	WG1015700
Ethylbenzene	U		0.000345	0.00116	1	08/31/2017 20:20	WG1015700
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	08/31/2017 20:20	WG1015700
2-Hexanone	U		0.00159	0.0116	1	08/31/2017 20:20	WG1015700
n-Hexane	0.000648	J J0	0.000336	0.0116	1	08/31/2017 20:20	WG1015700

Volatile Organic Compounds (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		0.00294	0.0116	1	08/31/2017 20:20	WG1015700
Isopropylbenzene	U		0.000282	0.00116	1	08/31/2017 20:20	WG1015700
p-Isopropyltoluene	U		0.000237	0.00116	1	08/31/2017 20:20	WG1015700
2-Butanone (MEK)	U		0.00543	0.0116	1	08/31/2017 20:20	WG1015700
Methylene Chloride	U	J0	0.00116	0.00580	1	08/31/2017 20:20	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	08/31/2017 20:20	WG1015700
Methyl tert-butyl ether	U		0.000246	0.00116	1	08/31/2017 20:20	WG1015700
Naphthalene	U		0.00116	0.00580	1	08/31/2017 20:20	WG1015700
n-Propylbenzene	U		0.000239	0.00116	1	08/31/2017 20:20	WG1015700
Styrene	U		0.000272	0.00116	1	08/31/2017 20:20	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	08/31/2017 20:20	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	08/31/2017 20:20	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	08/31/2017 20:20	WG1015700
Tetrachloroethene	0.00863		0.000320	0.00116	1	08/31/2017 20:20	WG1015700
Toluene	U		0.000504	0.00580	1	08/31/2017 20:20	WG1015700
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	08/31/2017 20:20	WG1015700
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	08/31/2017 20:20	WG1015700
1,1,1-Trichloroethane	U		0.00830	0.0290	25	09/06/2017 21:59	WG1015700
1,1,2-Trichloroethane	U		0.000321	0.00116	1	08/31/2017 20:20	WG1015700
Trichloroethene	0.0551		0.000324	0.00116	1	08/31/2017 20:20	WG1015700
Trichlorofluoromethane	U		0.000443	0.00580	1	08/31/2017 20:20	WG1015700
1,2,3-Trichloropropane	U		0.000860	0.00290	1	08/31/2017 20:20	WG1015700
1,2,4-Trimethylbenzene	U		0.00613	0.0290	25	09/06/2017 21:59	WG1015700
1,2,3-Trimethylbenzene	U		0.00833	0.0290	25	09/06/2017 21:59	WG1015700
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	08/31/2017 20:20	WG1015700
Vinyl acetate	U		0.00277	0.0116	1	08/31/2017 20:20	WG1015700
Vinyl chloride	0.217		0.00845	0.0290	25	09/06/2017 21:59	WG1015700
Xylenes, Total	U		0.000810	0.00348	1	08/31/2017 20:20	WG1015700
(S) Toluene-d8	*101*			*80.0-120*		*08/31/2017 20:20*	WG1015700
(S) Toluene-d8	*103*			*80.0-120*		*09/06/2017 21:59*	WG1015700
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/06/2017 21:59*	WG1015700
(S) Dibromofluoromethane	*96.9*			*74.0-131*		*08/31/2017 20:20*	WG1015700
(S) 4-Bromofluorobenzene	*87.2*			*64.0-132*		*08/31/2017 20:20*	WG1015700
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/06/2017 21:59*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	09/06/2017 13:33	WG1017019

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	1.35		0.0373	0.110	1	08/31/2017 16:59	WG1015659
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*77.0-120*		*08/31/2017 16:59*	WG1015659

Volatile Organic Compounds (GC/MS) 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	08/31/2017 20:40	WG1015700
Acrylonitrile	U		0.00197	0.0110	1	08/31/2017 20:40	WG1015700
Benzene	U		0.000297	0.00110	1	08/31/2017 20:40	WG1015700
Bromobenzene	U		0.000312	0.00110	1	08/31/2017 20:40	WG1015700
Bromodichloromethane	U		0.000279	0.00110	1	08/31/2017 20:40	WG1015700
Bromochloromethane	U		0.000429	0.00550	1	08/31/2017 20:40	WG1015700
Bromoform	U		0.000466	0.00110	1	08/31/2017 20:40	WG1015700
Bromomethane	U		0.00147	0.00550	1	08/31/2017 20:40	WG1015700
n-Butylbenzene	U		0.000284	0.00110	1	08/31/2017 20:40	WG1015700
sec-Butylbenzene	U		0.000221	0.00110	1	08/31/2017 20:40	WG1015700
tert-Butylbenzene	U		0.000226	0.00110	1	08/31/2017 20:40	WG1015700
Carbon disulfide	0.000786	J	0.000243	0.00110	1	08/31/2017 20:40	WG1015700
Carbon tetrachloride	U		0.0361	0.110	100	09/06/2017 22:25	WG1015700
Chlorobenzene	U		0.000233	0.00110	1	08/31/2017 20:40	WG1015700
Chlorodibromomethane	U		0.000410	0.00110	1	08/31/2017 20:40	WG1015700
Chloroethane	U		0.00104	0.00550	1	08/31/2017 20:40	WG1015700
Chloroform	U		0.000252	0.00550	1	08/31/2017 20:40	WG1015700
Chloromethane	U		0.0412	0.275	100	09/06/2017 22:25	WG1015700
2-Chlorotoluene	U		0.000331	0.00110	1	08/31/2017 20:40	WG1015700
4-Chlorotoluene	U		0.000264	0.00110	1	08/31/2017 20:40	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00550	1	08/31/2017 20:40	WG1015700
1,2-Dibromoethane	U		0.000377	0.00110	1	08/31/2017 20:40	WG1015700
Dibromomethane	U		0.000420	0.00110	1	08/31/2017 20:40	WG1015700
1,2-Dichlorobenzene	U		0.000335	0.00110	1	08/31/2017 20:40	WG1015700
1,3-Dichlorobenzene	U		0.000263	0.00110	1	08/31/2017 20:40	WG1015700
1,4-Dichlorobenzene	U		0.000248	0.00110	1	08/31/2017 20:40	WG1015700
Dichlorodifluoromethane	U		0.000784	0.00550	1	08/31/2017 20:40	WG1015700
1,1-Dichloroethane	U		0.000219	0.00110	1	08/31/2017 20:40	WG1015700
1,2-Dichloroethane	U		0.000291	0.00110	1	08/31/2017 20:40	WG1015700
1,1-Dichloroethene	0.00222		0.000333	0.00110	1	08/31/2017 20:40	WG1015700
cis-1,2-Dichloroethene	0.740		0.0258	0.110	100	09/06/2017 22:25	WG1015700
trans-1,2-Dichloroethene	U		0.0290	0.110	100	09/06/2017 22:25	WG1015700
1,2-Dichloropropane	U		0.000394	0.00110	1	08/31/2017 20:40	WG1015700
1,1-Dichloropropene	U		0.000349	0.00110	1	08/31/2017 20:40	WG1015700
1,3-Dichloropropane	U		0.000228	0.00110	1	08/31/2017 20:40	WG1015700
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	08/31/2017 20:40	WG1015700
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	08/31/2017 20:40	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	08/31/2017 20:40	WG1015700
2,2-Dichloropropane	U		0.0307	0.110	100	09/06/2017 22:25	WG1015700
Di-isopropyl ether	U		0.0273	0.110	100	09/06/2017 22:25	WG1015700
Ethylbenzene	U		0.000327	0.00110	1	08/31/2017 20:40	WG1015700
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	08/31/2017 20:40	WG1015700
2-Hexanone	U		0.00151	0.0110	1	08/31/2017 20:40	WG1015700
n-Hexane	U	J0	0.000319	0.0110	1	08/31/2017 20:40	WG1015700

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		0.00278	0.0110	1	08/31/2017 20:40	WG1015700
Isopropylbenzene	U		0.000267	0.00110	1	08/31/2017 20:40	WG1015700
p-Isopropyltoluene	U		0.000224	0.00110	1	08/31/2017 20:40	WG1015700
2-Butanone (MEK)	U		0.00515	0.0110	1	08/31/2017 20:40	WG1015700
Methylene Chloride	U	J0	0.00110	0.00550	1	08/31/2017 20:40	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	08/31/2017 20:40	WG1015700
Methyl tert-butyl ether	U		0.000233	0.00110	1	08/31/2017 20:40	WG1015700
Naphthalene	U		0.00110	0.00550	1	08/31/2017 20:40	WG1015700
n-Propylbenzene	U		0.000226	0.00110	1	08/31/2017 20:40	WG1015700
Styrene	U		0.000257	0.00110	1	08/31/2017 20:40	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	08/31/2017 20:40	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	08/31/2017 20:40	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	08/31/2017 20:40	WG1015700
Tetrachloroethene	17.9		0.0303	0.110	100	09/06/2017 22:25	WG1015700
Toluene	U		0.000477	0.00550	1	08/31/2017 20:40	WG1015700
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	08/31/2017 20:40	WG1015700
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	08/31/2017 20:40	WG1015700
1,1,1-Trichloroethane	U		0.0314	0.110	100	09/06/2017 22:25	WG1015700
1,1,2-Trichloroethane	U		0.000305	0.00110	1	08/31/2017 20:40	WG1015700
Trichloroethene	2.34		0.0307	0.110	100	09/06/2017 22:25	WG1015700
Trichlorofluoromethane	U		0.000420	0.00550	1	08/31/2017 20:40	WG1015700
1,2,3-Trichloropropane	U		0.000815	0.00275	1	08/31/2017 20:40	WG1015700
1,2,4-Trimethylbenzene	0.0675	J	0.0232	0.110	100	09/06/2017 22:25	WG1015700
1,2,3-Trimethylbenzene	U		0.0316	0.110	100	09/06/2017 22:25	WG1015700
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	08/31/2017 20:40	WG1015700
Vinyl acetate	U		0.00263	0.0110	1	08/31/2017 20:40	WG1015700
Vinyl chloride	0.0196		0.000320	0.00110	1	08/31/2017 20:40	WG1015700
Xylenes, Total	U		0.000767	0.00330	1	08/31/2017 20:40	WG1015700
(S) Toluene-d8	*104*			*80.0-120*		*09/06/2017 22:25*	WG1015700
(S) Toluene-d8	*97.6*			*80.0-120*		*08/31/2017 20:40*	WG1015700
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*08/31/2017 20:40*	WG1015700
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/06/2017 22:25*	WG1015700
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*08/31/2017 20:40*	WG1015700
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*09/06/2017 22:25*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	09/06/2017 13:33	WG1017019

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	0.447		0.0374	0.110	1	08/31/2017 17:22	WG1015659
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*77.0-120*		*08/31/2017 17:22*	WG1015659

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0221	J J0	0.0110	0.0552	1	08/31/2017 21:01	WG1015700
Acrylonitrile	U		0.00198	0.0110	1	08/31/2017 21:01	WG1015700
Benzene	U		0.000298	0.00110	1	08/31/2017 21:01	WG1015700
Bromobenzene	U		0.000314	0.00110	1	08/31/2017 21:01	WG1015700
Bromodichloromethane	U		0.000280	0.00110	1	08/31/2017 21:01	WG1015700
Bromochloromethane	U		0.000431	0.00552	1	08/31/2017 21:01	WG1015700
Bromoform	U		0.000468	0.00110	1	08/31/2017 21:01	WG1015700
Bromomethane	U		0.00148	0.00552	1	08/31/2017 21:01	WG1015700
n-Butylbenzene	U		0.000285	0.00110	1	08/31/2017 21:01	WG1015700
sec-Butylbenzene	U		0.000222	0.00110	1	08/31/2017 21:01	WG1015700
tert-Butylbenzene	U		0.000227	0.00110	1	08/31/2017 21:01	WG1015700
Carbon disulfide	0.00223		0.000244	0.00110	1	08/31/2017 21:01	WG1015700
Carbon tetrachloride	U		0.00906	0.0276	25	09/06/2017 22:51	WG1015700
Chlorobenzene	U		0.000234	0.00110	1	08/31/2017 21:01	WG1015700
Chlorodibromomethane	U		0.000412	0.00110	1	08/31/2017 21:01	WG1015700
Chloroethane	U		0.00104	0.00552	1	08/31/2017 21:01	WG1015700
Chloroform	U		0.000253	0.00552	1	08/31/2017 21:01	WG1015700
Chloromethane	U		0.0104	0.0690	25	09/06/2017 22:51	WG1015700
2-Chlorotoluene	U		0.000332	0.00110	1	08/31/2017 21:01	WG1015700
4-Chlorotoluene	U		0.000265	0.00110	1	08/31/2017 21:01	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	08/31/2017 21:01	WG1015700
1,2-Dibromoethane	U		0.000379	0.00110	1	08/31/2017 21:01	WG1015700
Dibromomethane	U		0.000422	0.00110	1	08/31/2017 21:01	WG1015700
1,2-Dichlorobenzene	U		0.000337	0.00110	1	08/31/2017 21:01	WG1015700
1,3-Dichlorobenzene	U		0.000264	0.00110	1	08/31/2017 21:01	WG1015700
1,4-Dichlorobenzene	U		0.000250	0.00110	1	08/31/2017 21:01	WG1015700
Dichlorodifluoromethane	U		0.000787	0.00552	1	08/31/2017 21:01	WG1015700
1,1-Dichloroethane	U		0.000220	0.00110	1	08/31/2017 21:01	WG1015700
1,2-Dichloroethane	U		0.000293	0.00110	1	08/31/2017 21:01	WG1015700
1,1-Dichloroethene	0.00190		0.000335	0.00110	1	08/31/2017 21:01	WG1015700
cis-1,2-Dichloroethene	4.46		0.00649	0.0276	25	09/06/2017 22:51	WG1015700
trans-1,2-Dichloroethene	U		0.00729	0.0276	25	09/06/2017 22:51	WG1015700
1,2-Dichloropropane	U		0.000395	0.00110	1	08/31/2017 21:01	WG1015700
1,1-Dichloropropene	U		0.000350	0.00110	1	08/31/2017 21:01	WG1015700
1,3-Dichloropropane	U		0.000229	0.00110	1	08/31/2017 21:01	WG1015700
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	08/31/2017 21:01	WG1015700
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	08/31/2017 21:01	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	08/31/2017 21:01	WG1015700
2,2-Dichloropropane	U		0.00771	0.0276	25	09/06/2017 22:51	WG1015700
Di-isopropyl ether	U		0.00685	0.0276	25	09/06/2017 22:51	WG1015700
Ethylbenzene	U		0.000328	0.00110	1	08/31/2017 21:01	WG1015700
Hexachloro-1,3-butadiene	U		0.000378	0.00110	1	08/31/2017 21:01	WG1015700
2-Hexanone	U		0.00151	0.0110	1	08/31/2017 21:01	WG1015700
n-Hexane	0.00136	J J0	0.000320	0.0110	1	08/31/2017 21:01	WG1015700

Volatile Organic Compounds (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		0.00279	0.0110	1	08/31/2017 21:01	WG1015700
Isopropylbenzene	U		0.000268	0.00110	1	08/31/2017 21:01	WG1015700
p-Isopropyltoluene	U		0.000225	0.00110	1	08/31/2017 21:01	WG1015700
2-Butanone (MEK)	U		0.00517	0.0110	1	08/31/2017 21:01	WG1015700
Methylene Chloride	U	J0	0.00110	0.00552	1	08/31/2017 21:01	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	08/31/2017 21:01	WG1015700
Methyl tert-butyl ether	U		0.000234	0.00110	1	08/31/2017 21:01	WG1015700
Naphthalene	U		0.00110	0.00552	1	08/31/2017 21:01	WG1015700
n-Propylbenzene	U		0.000227	0.00110	1	08/31/2017 21:01	WG1015700
Styrene	U		0.000258	0.00110	1	08/31/2017 21:01	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000292	0.00110	1	08/31/2017 21:01	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	08/31/2017 21:01	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	08/31/2017 21:01	WG1015700
Tetrachloroethene	0.0770		0.000305	0.00110	1	08/31/2017 21:01	WG1015700
Toluene	U		0.000479	0.00552	1	08/31/2017 21:01	WG1015700
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	08/31/2017 21:01	WG1015700
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	08/31/2017 21:01	WG1015700
1,1,1-Trichloroethane	U		0.00790	0.0276	25	09/06/2017 22:51	WG1015700
1,1,2-Trichloroethane	U		0.000306	0.00110	1	08/31/2017 21:01	WG1015700
Trichloroethene	0.00544		0.000308	0.00110	1	08/31/2017 21:01	WG1015700
Trichlorofluoromethane	U		0.000422	0.00552	1	08/31/2017 21:01	WG1015700
1,2,3-Trichloropropane	U		0.000818	0.00276	1	08/31/2017 21:01	WG1015700
1,2,4-Trimethylbenzene	U		0.00583	0.0276	25	09/06/2017 22:51	WG1015700
1,2,3-Trimethylbenzene	U		0.00793	0.0276	25	09/06/2017 22:51	WG1015700
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	08/31/2017 21:01	WG1015700
Vinyl acetate	U		0.00264	0.0110	1	08/31/2017 21:01	WG1015700
Vinyl chloride	0.0118		0.000321	0.00110	1	08/31/2017 21:01	WG1015700
Xylenes, Total	U		0.000771	0.00331	1	08/31/2017 21:01	WG1015700
(S) Toluene-d8	*88.0*			*80.0-120*		*09/06/2017 22:51*	WG1015700
(S) Toluene-d8	*98.6*			*80.0-120*		*08/31/2017 21:01*	WG1015700
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/06/2017 22:51*	WG1015700
(S) Dibromofluoromethane	*97.0*			*74.0-131*		*08/31/2017 21:01*	WG1015700
(S) 4-Bromofluorobenzene	*92.0*			*64.0-132*		*08/31/2017 21:01*	WG1015700
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*09/06/2017 22:51*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.4		1	09/06/2017 10:08	WG1017021

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.11	3.28	25.75	09/08/2017 13:08	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*		*09/08/2017 13:08*	WG1017991

Volatile Organic Compounds (GC/MS) 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	0.0128	0.0638	1	08/31/2017 21:21	WG1015700
Acrylonitrile	U		0.00228	0.0128	1	08/31/2017 21:21	WG1015700
Benzene	U		0.000344	0.00128	1	08/31/2017 21:21	WG1015700
Bromobenzene	U		0.000362	0.00128	1	08/31/2017 21:21	WG1015700
Bromodichloromethane	U		0.000324	0.00128	1	08/31/2017 21:21	WG1015700
Bromochloromethane	U		0.000497	0.00638	1	08/31/2017 21:21	WG1015700
Bromoform	U		0.000541	0.00128	1	08/31/2017 21:21	WG1015700
Bromomethane	U		0.00171	0.00638	1	08/31/2017 21:21	WG1015700
n-Butylbenzene	U		0.000329	0.00128	1	08/31/2017 21:21	WG1015700
sec-Butylbenzene	U		0.000256	0.00128	1	08/31/2017 21:21	WG1015700
tert-Butylbenzene	U		0.000263	0.00128	1	08/31/2017 21:21	WG1015700
Carbon disulfide	0.00153		0.000282	0.00128	1	08/31/2017 21:21	WG1015700
Carbon tetrachloride	U		0.000418	0.00128	1	09/06/2017 23:17	WG1015700
Chlorobenzene	U		0.000270	0.00128	1	08/31/2017 21:21	WG1015700
Chlorodibromomethane	U		0.000476	0.00128	1	08/31/2017 21:21	WG1015700
Chloroethane	U		0.00121	0.00638	1	08/31/2017 21:21	WG1015700
Chloroform	U		0.000292	0.00638	1	08/31/2017 21:21	WG1015700
Chloromethane	0.00219	J	0.000478	0.00319	1	09/06/2017 23:17	WG1015700
2-Chlorotoluene	U		0.000384	0.00128	1	08/31/2017 21:21	WG1015700
4-Chlorotoluene	U		0.000306	0.00128	1	08/31/2017 21:21	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00134	0.00638	1	08/31/2017 21:21	WG1015700
1,2-Dibromoethane	U		0.000438	0.00128	1	08/31/2017 21:21	WG1015700
Dibromomethane	U		0.000487	0.00128	1	08/31/2017 21:21	WG1015700
1,2-Dichlorobenzene	U		0.000389	0.00128	1	08/31/2017 21:21	WG1015700
1,3-Dichlorobenzene	U		0.000305	0.00128	1	08/31/2017 21:21	WG1015700
1,4-Dichlorobenzene	U		0.000288	0.00128	1	08/31/2017 21:21	WG1015700
Dichlorodifluoromethane	U		0.000910	0.00638	1	08/31/2017 21:21	WG1015700
1,1-Dichloroethane	U		0.000254	0.00128	1	08/31/2017 21:21	WG1015700
1,2-Dichloroethane	U		0.000338	0.00128	1	08/31/2017 21:21	WG1015700
1,1-Dichloroethene	U		0.000387	0.00128	1	08/31/2017 21:21	WG1015700
cis-1,2-Dichloroethene	0.0468		0.000300	0.00128	1	09/06/2017 23:17	WG1015700
trans-1,2-Dichloroethene	U		0.000337	0.00128	1	09/06/2017 23:17	WG1015700
1,2-Dichloropropane	U		0.000457	0.00128	1	08/31/2017 21:21	WG1015700
1,1-Dichloropropene	U		0.000404	0.00128	1	08/31/2017 21:21	WG1015700
1,3-Dichloropropane	U		0.000264	0.00128	1	08/31/2017 21:21	WG1015700
cis-1,3-Dichloropropene	U		0.000334	0.00128	1	08/31/2017 21:21	WG1015700
trans-1,3-Dichloropropene	U		0.000341	0.00128	1	08/31/2017 21:21	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000992	0.00319	1	08/31/2017 21:21	WG1015700
2,2-Dichloropropane	U		0.000356	0.00128	1	09/06/2017 23:17	WG1015700
Di-isopropyl ether	U		0.000316	0.00128	1	09/06/2017 23:17	WG1015700
Ethylbenzene	U		0.000379	0.00128	1	08/31/2017 21:21	WG1015700
Hexachloro-1,3-butadiene	U		0.000436	0.00128	1	08/31/2017 21:21	WG1015700
2-Hexanone	U		0.00175	0.0128	1	08/31/2017 21:21	WG1015700
n-Hexane	0.00178	J J0	0.000370	0.0128	1	08/31/2017 21:21	WG1015700

Volatile Organic Compounds (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		0.00323	0.0128	1	08/31/2017 21:21	WG1015700
Isopropylbenzene	U		0.000310	0.00128	1	08/31/2017 21:21	WG1015700
p-Isopropyltoluene	U		0.000260	0.00128	1	08/31/2017 21:21	WG1015700
2-Butanone (MEK)	U		0.00597	0.0128	1	08/31/2017 21:21	WG1015700
Methylene Chloride	U	J0	0.00128	0.00638	1	08/31/2017 21:21	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00240	0.0128	1	08/31/2017 21:21	WG1015700
Methyl tert-butyl ether	U		0.000270	0.00128	1	08/31/2017 21:21	WG1015700
Naphthalene	U		0.00128	0.00638	1	08/31/2017 21:21	WG1015700
n-Propylbenzene	U		0.000263	0.00128	1	08/31/2017 21:21	WG1015700
Styrene	U		0.000298	0.00128	1	08/31/2017 21:21	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000337	0.00128	1	08/31/2017 21:21	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000466	0.00128	1	08/31/2017 21:21	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000466	0.00128	1	08/31/2017 21:21	WG1015700
Tetrachloroethene	0.0742		0.000352	0.00128	1	08/31/2017 21:21	WG1015700
Toluene	U		0.000554	0.00638	1	08/31/2017 21:21	WG1015700
1,2,3-Trichlorobenzene	U		0.000390	0.00128	1	08/31/2017 21:21	WG1015700
1,2,4-Trichlorobenzene	U		0.000495	0.00128	1	08/31/2017 21:21	WG1015700
1,1,1-Trichloroethane	U		0.000365	0.00128	1	09/06/2017 23:17	WG1015700
1,1,2-Trichloroethane	U		0.000353	0.00128	1	08/31/2017 21:21	WG1015700
Trichloroethene	0.0111		0.000356	0.00128	1	08/31/2017 21:21	WG1015700
Trichlorofluoromethane	U		0.000487	0.00638	1	08/31/2017 21:21	WG1015700
1,2,3-Trichloropropane	U		0.000945	0.00319	1	08/31/2017 21:21	WG1015700
1,2,4-Trimethylbenzene	U		0.000269	0.00128	1	09/06/2017 23:17	WG1015700
1,2,3-Trimethylbenzene	U		0.000366	0.00128	1	09/06/2017 23:17	WG1015700
1,3,5-Trimethylbenzene	U		0.000339	0.00128	1	08/31/2017 21:21	WG1015700
Vinyl acetate	U		0.00305	0.0128	1	08/31/2017 21:21	WG1015700
Vinyl chloride	0.0426		0.000371	0.00128	1	08/31/2017 21:21	WG1015700
Xylenes, Total	U		0.000890	0.00383	1	08/31/2017 21:21	WG1015700
(S) Toluene-d8	*93.6*			*80.0-120*		*09/06/2017 23:17*	WG1015700
(S) Toluene-d8	*100*			*80.0-120*		*08/31/2017 21:21*	WG1015700
(S) Dibromofluoromethane	*95.9*			*74.0-131*		*08/31/2017 21:21*	WG1015700
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/06/2017 23:17*	WG1015700
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*08/31/2017 21:21*	WG1015700
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/06/2017 23:17*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	09/06/2017 10:08	WG1017021

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.970	2.86	26.75	09/08/2017 13:30	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*77.0-120*		*09/08/2017 13:30*	WG1017991

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0535	1	08/31/2017 21:42	WG1015700
Acrylonitrile	U		0.00191	0.0107	1	08/31/2017 21:42	WG1015700
Benzene	U		0.000289	0.00107	1	08/31/2017 21:42	WG1015700
Bromobenzene	U		0.000304	0.00107	1	08/31/2017 21:42	WG1015700
Bromodichloromethane	U		0.000272	0.00107	1	08/31/2017 21:42	WG1015700
Bromochloromethane	U		0.000417	0.00535	1	08/31/2017 21:42	WG1015700
Bromoform	U		0.000453	0.00107	1	08/31/2017 21:42	WG1015700
Bromomethane	U		0.00143	0.00535	1	08/31/2017 21:42	WG1015700
n-Butylbenzene	U		0.000276	0.00107	1	08/31/2017 21:42	WG1015700
sec-Butylbenzene	U		0.000215	0.00107	1	08/31/2017 21:42	WG1015700
tert-Butylbenzene	U		0.000220	0.00107	1	08/31/2017 21:42	WG1015700
Carbon disulfide	0.000414	J	0.000236	0.00107	1	08/31/2017 21:42	WG1015700
Carbon tetrachloride	U		0.000351	0.00107	1	09/06/2017 23:43	WG1015700
Chlorobenzene	U		0.000227	0.00107	1	08/31/2017 21:42	WG1015700
Chlorodibromomethane	U		0.000399	0.00107	1	08/31/2017 21:42	WG1015700
Chloroethane	U		0.00101	0.00535	1	08/31/2017 21:42	WG1015700
Chloroform	U		0.000245	0.00535	1	08/31/2017 21:42	WG1015700
Chloromethane	0.00164	J	0.000401	0.00267	1	09/06/2017 23:43	WG1015700
2-Chlorotoluene	U		0.000322	0.00107	1	08/31/2017 21:42	WG1015700
4-Chlorotoluene	U		0.000257	0.00107	1	08/31/2017 21:42	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	08/31/2017 21:42	WG1015700
1,2-Dibromoethane	U		0.000367	0.00107	1	08/31/2017 21:42	WG1015700
Dibromomethane	U		0.000409	0.00107	1	08/31/2017 21:42	WG1015700
1,2-Dichlorobenzene	U		0.000326	0.00107	1	08/31/2017 21:42	WG1015700
1,3-Dichlorobenzene	U		0.000256	0.00107	1	08/31/2017 21:42	WG1015700
1,4-Dichlorobenzene	U		0.000242	0.00107	1	08/31/2017 21:42	WG1015700
Dichlorodifluoromethane	U		0.000763	0.00535	1	08/31/2017 21:42	WG1015700
1,1-Dichloroethane	U		0.000213	0.00107	1	08/31/2017 21:42	WG1015700
1,2-Dichloroethane	U		0.000283	0.00107	1	08/31/2017 21:42	WG1015700
1,1-Dichloroethene	U		0.000324	0.00107	1	08/31/2017 21:42	WG1015700
cis-1,2-Dichloroethene	0.0119		0.000251	0.00107	1	09/06/2017 23:43	WG1015700
trans-1,2-Dichloroethene	U		0.000282	0.00107	1	09/06/2017 23:43	WG1015700
1,2-Dichloropropane	U		0.000383	0.00107	1	08/31/2017 21:42	WG1015700
1,1-Dichloropropene	U		0.000339	0.00107	1	08/31/2017 21:42	WG1015700
1,3-Dichloropropane	U		0.000221	0.00107	1	08/31/2017 21:42	WG1015700
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	08/31/2017 21:42	WG1015700
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	08/31/2017 21:42	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000832	0.00267	1	08/31/2017 21:42	WG1015700
2,2-Dichloropropane	U		0.000298	0.00107	1	09/06/2017 23:43	WG1015700
Di-isopropyl ether	U		0.000265	0.00107	1	09/06/2017 23:43	WG1015700
Ethylbenzene	U		0.000318	0.00107	1	08/31/2017 21:42	WG1015700
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	08/31/2017 21:42	WG1015700
2-Hexanone	U		0.00147	0.0107	1	08/31/2017 21:42	WG1015700
n-Hexane	0.00184	J J0	0.000310	0.0107	1	08/31/2017 21:42	WG1015700

Volatile Organic Compounds (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		0.00271	0.0107	1	08/31/2017 21:42	WG1015700
Isopropylbenzene	U		0.000260	0.00107	1	08/31/2017 21:42	WG1015700
p-Isopropyltoluene	U		0.000218	0.00107	1	08/31/2017 21:42	WG1015700
2-Butanone (MEK)	U		0.00501	0.0107	1	08/31/2017 21:42	WG1015700
Methylene Chloride	U	J0	0.00107	0.00535	1	08/31/2017 21:42	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	08/31/2017 21:42	WG1015700
Methyl tert-butyl ether	U		0.000227	0.00107	1	08/31/2017 21:42	WG1015700
Naphthalene	U		0.00107	0.00535	1	08/31/2017 21:42	WG1015700
n-Propylbenzene	U		0.000220	0.00107	1	08/31/2017 21:42	WG1015700
Styrene	U		0.000250	0.00107	1	08/31/2017 21:42	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	08/31/2017 21:42	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000390	0.00107	1	08/31/2017 21:42	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000390	0.00107	1	08/31/2017 21:42	WG1015700
Tetrachloroethene	0.0105		0.000295	0.00107	1	08/31/2017 21:42	WG1015700
Toluene	U		0.000464	0.00535	1	08/31/2017 21:42	WG1015700
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	08/31/2017 21:42	WG1015700
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	08/31/2017 21:42	WG1015700
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/06/2017 23:43	WG1015700
1,1,2-Trichloroethane	U		0.000296	0.00107	1	08/31/2017 21:42	WG1015700
Trichloroethene	0.00316		0.000298	0.00107	1	08/31/2017 21:42	WG1015700
Trichlorofluoromethane	U		0.000409	0.00535	1	08/31/2017 21:42	WG1015700
1,2,3-Trichloropropane	U		0.000792	0.00267	1	08/31/2017 21:42	WG1015700
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/06/2017 23:43	WG1015700
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/06/2017 23:43	WG1015700
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	08/31/2017 21:42	WG1015700
Vinyl acetate	U		0.00256	0.0107	1	08/31/2017 21:42	WG1015700
Vinyl chloride	0.00656		0.000311	0.00107	1	08/31/2017 21:42	WG1015700
Xylenes, Total	U		0.000746	0.00321	1	08/31/2017 21:42	WG1015700
(S) Toluene-d8	*94.5*			*80.0-120*		*09/06/2017 23:43*	WG1015700
(S) Toluene-d8	*99.6*			*80.0-120*		*08/31/2017 21:42*	WG1015700
(S) Dibromofluoromethane	*109*			*74.0-131*		*09/06/2017 23:43*	WG1015700
(S) Dibromofluoromethane	*94.9*			*74.0-131*		*08/31/2017 21:42*	WG1015700
(S) 4-Bromofluorobenzene	*89.8*			*64.0-132*		*08/31/2017 21:42*	WG1015700
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/06/2017 23:43*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.9		1	09/06/2017 10:08	WG1017021

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		0.893	2.63	25	09/08/2017 13:52	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-120*		*09/08/2017 13:52*	WG1017991

Volatile Organic Compounds (GC/MS) 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	0.0105	0.0527	1	08/31/2017 22:03	WG1015700
Acrylonitrile	U		0.00189	0.0105	1	08/31/2017 22:03	WG1015700
Benzene	U		0.000284	0.00105	1	08/31/2017 22:03	WG1015700
Bromobenzene	U		0.000299	0.00105	1	08/31/2017 22:03	WG1015700
Bromodichloromethane	U		0.000268	0.00105	1	08/31/2017 22:03	WG1015700
Bromochloromethane	U		0.000411	0.00527	1	08/31/2017 22:03	WG1015700
Bromoform	U		0.000447	0.00105	1	08/31/2017 22:03	WG1015700
Bromomethane	U		0.00141	0.00527	1	08/31/2017 22:03	WG1015700
n-Butylbenzene	U		0.000272	0.00105	1	08/31/2017 22:03	WG1015700
sec-Butylbenzene	U		0.000212	0.00105	1	08/31/2017 22:03	WG1015700
tert-Butylbenzene	U		0.000217	0.00105	1	08/31/2017 22:03	WG1015700
Carbon disulfide	0.000563	J	0.000233	0.00105	1	08/31/2017 22:03	WG1015700
Carbon tetrachloride	U		0.000346	0.00105	1	09/07/2017 00:09	WG1015700
Chlorobenzene	U		0.000223	0.00105	1	08/31/2017 22:03	WG1015700
Chlorodibromomethane	U		0.000393	0.00105	1	08/31/2017 22:03	WG1015700
Chloroethane	U		0.000997	0.00527	1	08/31/2017 22:03	WG1015700
Chloroform	U		0.000241	0.00527	1	08/31/2017 22:03	WG1015700
Chloromethane	0.00171	J	0.000395	0.00263	1	09/07/2017 00:09	WG1015700
2-Chlorotoluene	U		0.000317	0.00105	1	08/31/2017 22:03	WG1015700
4-Chlorotoluene	U		0.000253	0.00105	1	08/31/2017 22:03	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00527	1	08/31/2017 22:03	WG1015700
1,2-Dibromoethane	U		0.000361	0.00105	1	08/31/2017 22:03	WG1015700
Dibromomethane	U		0.000402	0.00105	1	08/31/2017 22:03	WG1015700
1,2-Dichlorobenzene	U		0.000321	0.00105	1	08/31/2017 22:03	WG1015700
1,3-Dichlorobenzene	U		0.000252	0.00105	1	08/31/2017 22:03	WG1015700
1,4-Dichlorobenzene	U		0.000238	0.00105	1	08/31/2017 22:03	WG1015700
Dichlorodifluoromethane	U		0.000751	0.00527	1	08/31/2017 22:03	WG1015700
1,1-Dichloroethane	U		0.000210	0.00105	1	08/31/2017 22:03	WG1015700
1,2-Dichloroethane	U		0.000279	0.00105	1	08/31/2017 22:03	WG1015700
1,1-Dichloroethene	0.000521	J	0.000319	0.00105	1	08/31/2017 22:03	WG1015700
cis-1,2-Dichloroethene	0.0725		0.000248	0.00105	1	09/07/2017 00:09	WG1015700
trans-1,2-Dichloroethene	U		0.000278	0.00105	1	09/07/2017 00:09	WG1015700
1,2-Dichloropropane	U		0.000377	0.00105	1	08/31/2017 22:03	WG1015700
1,1-Dichloropropene	U		0.000334	0.00105	1	08/31/2017 22:03	WG1015700
1,3-Dichloropropane	U		0.000218	0.00105	1	08/31/2017 22:03	WG1015700
cis-1,3-Dichloropropene	U		0.000276	0.00105	1	08/31/2017 22:03	WG1015700
trans-1,3-Dichloropropene	U		0.000281	0.00105	1	08/31/2017 22:03	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000820	0.00263	1	08/31/2017 22:03	WG1015700
2,2-Dichloropropane	U		0.000294	0.00105	1	09/07/2017 00:09	WG1015700
Di-isopropyl ether	U		0.000261	0.00105	1	09/07/2017 00:09	WG1015700
Ethylbenzene	U		0.000313	0.00105	1	08/31/2017 22:03	WG1015700
Hexachloro-1,3-butadiene	U		0.000360	0.00105	1	08/31/2017 22:03	WG1015700
2-Hexanone	U		0.00144	0.0105	1	08/31/2017 22:03	WG1015700
n-Hexane	0.00103	J J0	0.000305	0.0105	1	08/31/2017 22:03	WG1015700

Volatile Organic Compounds (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		0.00267	0.0105	1	08/31/2017 22:03	WG1015700
Isopropylbenzene	U		0.000256	0.00105	1	08/31/2017 22:03	WG1015700
p-Isopropyltoluene	U		0.000215	0.00105	1	08/31/2017 22:03	WG1015700
2-Butanone (MEK)	U		0.00493	0.0105	1	08/31/2017 22:03	WG1015700
Methylene Chloride	U	J0	0.00105	0.00527	1	08/31/2017 22:03	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	08/31/2017 22:03	WG1015700
Methyl tert-butyl ether	U		0.000223	0.00105	1	08/31/2017 22:03	WG1015700
Naphthalene	U		0.00105	0.00527	1	08/31/2017 22:03	WG1015700
n-Propylbenzene	U		0.000217	0.00105	1	08/31/2017 22:03	WG1015700
Styrene	U		0.000247	0.00105	1	08/31/2017 22:03	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000278	0.00105	1	08/31/2017 22:03	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000385	0.00105	1	08/31/2017 22:03	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000385	0.00105	1	08/31/2017 22:03	WG1015700
Tetrachloroethene	0.0407		0.000291	0.00105	1	08/31/2017 22:03	WG1015700
Toluene	U		0.000457	0.00527	1	08/31/2017 22:03	WG1015700
1,2,3-Trichlorobenzene	U		0.000322	0.00105	1	08/31/2017 22:03	WG1015700
1,2,4-Trichlorobenzene	U		0.000409	0.00105	1	08/31/2017 22:03	WG1015700
1,1,1-Trichloroethane	U		0.000301	0.00105	1	09/07/2017 00:09	WG1015700
1,1,2-Trichloroethane	U		0.000292	0.00105	1	08/31/2017 22:03	WG1015700
Trichloroethene	0.0132		0.000294	0.00105	1	08/31/2017 22:03	WG1015700
Trichlorofluoromethane	U		0.000402	0.00527	1	08/31/2017 22:03	WG1015700
1,2,3-Trichloropropane	U		0.000781	0.00263	1	08/31/2017 22:03	WG1015700
1,2,4-Trimethylbenzene	U		0.000222	0.00105	1	09/07/2017 00:09	WG1015700
1,2,3-Trimethylbenzene	U		0.000302	0.00105	1	09/07/2017 00:09	WG1015700
1,3,5-Trimethylbenzene	U		0.000280	0.00105	1	08/31/2017 22:03	WG1015700
Vinyl acetate	U		0.00252	0.0105	1	08/31/2017 22:03	WG1015700
Vinyl chloride	0.0143		0.000307	0.00105	1	08/31/2017 22:03	WG1015700
Xylenes, Total	U		0.000735	0.00316	1	08/31/2017 22:03	WG1015700
(S) Toluene-d8	*94.1*			*80.0-120*		*09/07/2017 00:09*	WG1015700
(S) Toluene-d8	*99.9*			*80.0-120*		*08/31/2017 22:03*	WG1015700
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/07/2017 00:09*	WG1015700
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*08/31/2017 22:03*	WG1015700
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/07/2017 00:09*	WG1015700
(S) 4-Bromofluorobenzene	*90.8*			*64.0-132*		*08/31/2017 22:03*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.7		1	09/06/2017 10:08	WG1017021

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.08	3.17	25	09/08/2017 14:15	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*77.0-120*		*09/08/2017 14:15*	WG1017991

Volatile Organic Compounds (GC/MS) 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	0.0127	0.0635	1	08/31/2017 22:23	WG1015700
Acrylonitrile	U		0.00227	0.0127	1	08/31/2017 22:23	WG1015700
Benzene	U		0.000343	0.00127	1	08/31/2017 22:23	WG1015700
Bromobenzene	U		0.000361	0.00127	1	08/31/2017 22:23	WG1015700
Bromodichloromethane	U		0.000323	0.00127	1	08/31/2017 22:23	WG1015700
Bromochloromethane	U		0.000495	0.00635	1	08/31/2017 22:23	WG1015700
Bromoform	U		0.000538	0.00127	1	08/31/2017 22:23	WG1015700
Bromomethane	U		0.00170	0.00635	1	08/31/2017 22:23	WG1015700
n-Butylbenzene	U		0.000328	0.00127	1	08/31/2017 22:23	WG1015700
sec-Butylbenzene	U		0.000255	0.00127	1	08/31/2017 22:23	WG1015700
tert-Butylbenzene	U		0.000262	0.00127	1	08/31/2017 22:23	WG1015700
Carbon disulfide	0.000666	J	0.000281	0.00127	1	08/31/2017 22:23	WG1015700
Carbon tetrachloride	U		0.0104	0.0317	25	09/07/2017 12:58	WG1015700
Chlorobenzene	U		0.000269	0.00127	1	08/31/2017 22:23	WG1015700
Chlorodibromomethane	U		0.000474	0.00127	1	08/31/2017 22:23	WG1015700
Chloroethane	U		0.00120	0.00635	1	08/31/2017 22:23	WG1015700
Chloroform	U		0.000291	0.00635	1	08/31/2017 22:23	WG1015700
Chloromethane	U	J0	0.0119	0.0794	25	09/07/2017 12:58	WG1015700
2-Chlorotoluene	U		0.000382	0.00127	1	08/31/2017 22:23	WG1015700
4-Chlorotoluene	U		0.000305	0.00127	1	08/31/2017 22:23	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00635	1	08/31/2017 22:23	WG1015700
1,2-Dibromoethane	U		0.000436	0.00127	1	08/31/2017 22:23	WG1015700
Dibromomethane	U		0.000485	0.00127	1	08/31/2017 22:23	WG1015700
1,2-Dichlorobenzene	U		0.000387	0.00127	1	08/31/2017 22:23	WG1015700
1,3-Dichlorobenzene	U		0.000304	0.00127	1	08/31/2017 22:23	WG1015700
1,4-Dichlorobenzene	U		0.000287	0.00127	1	08/31/2017 22:23	WG1015700
Dichlorodifluoromethane	U		0.000905	0.00635	1	08/31/2017 22:23	WG1015700
1,1-Dichloroethane	U		0.000253	0.00127	1	08/31/2017 22:23	WG1015700
1,2-Dichloroethane	U		0.000337	0.00127	1	08/31/2017 22:23	WG1015700
1,1-Dichloroethene	U		0.000385	0.00127	1	08/31/2017 22:23	WG1015700
cis-1,2-Dichloroethene	U		0.00747	0.0317	25	09/07/2017 12:58	WG1015700
trans-1,2-Dichloroethene	U		0.00838	0.0317	25	09/07/2017 12:58	WG1015700
1,2-Dichloropropane	U		0.000455	0.00127	1	08/31/2017 22:23	WG1015700
1,1-Dichloropropene	U		0.000403	0.00127	1	08/31/2017 22:23	WG1015700
1,3-Dichloropropane	U		0.000263	0.00127	1	08/31/2017 22:23	WG1015700
cis-1,3-Dichloropropene	U		0.000333	0.00127	1	08/31/2017 22:23	WG1015700
trans-1,3-Dichloropropene	U		0.000339	0.00127	1	08/31/2017 22:23	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000988	0.00317	1	08/31/2017 22:23	WG1015700
2,2-Dichloropropane	U		0.00886	0.0317	25	09/07/2017 12:58	WG1015700
Di-isopropyl ether	U	J0	0.00787	0.0317	25	09/07/2017 12:58	WG1015700
Ethylbenzene	U		0.000377	0.00127	1	08/31/2017 22:23	WG1015700
Hexachloro-1,3-butadiene	U		0.000434	0.00127	1	08/31/2017 22:23	WG1015700
2-Hexanone	U		0.00174	0.0127	1	08/31/2017 22:23	WG1015700
n-Hexane	0.00494	J J0	0.000368	0.0127	1	08/31/2017 22:23	WG1015700

Volatile Organic Compounds (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		0.00321	0.0127	1	08/31/2017 22:23	WG1015700
Isopropylbenzene	U		0.000309	0.00127	1	08/31/2017 22:23	WG1015700
p-Isopropyltoluene	U		0.000259	0.00127	1	08/31/2017 22:23	WG1015700
2-Butanone (MEK)	U		0.00594	0.0127	1	08/31/2017 22:23	WG1015700
Methylene Chloride	U	J0	0.00127	0.00635	1	08/31/2017 22:23	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00239	0.0127	1	08/31/2017 22:23	WG1015700
Methyl tert-butyl ether	U		0.000269	0.00127	1	08/31/2017 22:23	WG1015700
Naphthalene	U		0.00127	0.00635	1	08/31/2017 22:23	WG1015700
n-Propylbenzene	U		0.000262	0.00127	1	08/31/2017 22:23	WG1015700
Styrene	U		0.000297	0.00127	1	08/31/2017 22:23	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000335	0.00127	1	08/31/2017 22:23	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000464	0.00127	1	08/31/2017 22:23	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000464	0.00127	1	08/31/2017 22:23	WG1015700
Tetrachloroethene	0.000676	J	0.000350	0.00127	1	08/31/2017 22:23	WG1015700
Toluene	U		0.000551	0.00635	1	08/31/2017 22:23	WG1015700
1,2,3-Trichlorobenzene	U		0.000389	0.00127	1	08/31/2017 22:23	WG1015700
1,2,4-Trichlorobenzene	U		0.000493	0.00127	1	08/31/2017 22:23	WG1015700
1,1,1-Trichloroethane	U		0.00908	0.0317	25	09/07/2017 12:58	WG1015700
1,1,2-Trichloroethane	U		0.000352	0.00127	1	08/31/2017 22:23	WG1015700
Trichloroethene	U		0.000354	0.00127	1	08/31/2017 22:23	WG1015700
Trichlorofluoromethane	U		0.000485	0.00635	1	08/31/2017 22:23	WG1015700
1,2,3-Trichloropropane	U		0.000941	0.00317	1	08/31/2017 22:23	WG1015700
1,2,4-Trimethylbenzene	U		0.00671	0.0317	25	09/07/2017 12:58	WG1015700
1,2,3-Trimethylbenzene	U		0.00912	0.0317	25	09/07/2017 12:58	WG1015700
1,3,5-Trimethylbenzene	U		0.000338	0.00127	1	08/31/2017 22:23	WG1015700
Vinyl acetate	U		0.00304	0.0127	1	08/31/2017 22:23	WG1015700
Vinyl chloride	U		0.000370	0.00127	1	08/31/2017 22:23	WG1015700
Xylenes, Total	U		0.000886	0.00381	1	08/31/2017 22:23	WG1015700
(S) Toluene-d8	*100*			*80.0-120*		*08/31/2017 22:23*	WG1015700
(S) Toluene-d8	*107*			*80.0-120*		*09/07/2017 12:58*	WG1015700
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*09/07/2017 12:58*	WG1015700
(S) Dibromofluoromethane	*93.6*			*74.0-131*		*08/31/2017 22:23*	WG1015700
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*08/31/2017 22:23*	WG1015700
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/07/2017 12:58*	WG1015700

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	1.91	J	1.05	25.0	1	08/31/2017 00:26	WG1015444
Acrylonitrile	U		0.873	5.00	1	08/31/2017 00:26	WG1015444
Benzene	U		0.0896	0.500	1	08/31/2017 00:26	WG1015444
Bromobenzene	U		0.133	0.500	1	08/31/2017 00:26	WG1015444
Bromodichloromethane	U		0.0800	0.500	1	08/31/2017 00:26	WG1015444
Bromochloromethane	U		0.145	0.500	1	08/31/2017 00:26	WG1015444
Bromoform	U		0.186	0.500	1	08/31/2017 00:26	WG1015444
Bromomethane	U		0.157	2.50	1	08/31/2017 00:26	WG1015444
n-Butylbenzene	U		0.143	0.500	1	08/31/2017 00:26	WG1015444
sec-Butylbenzene	U		0.134	0.500	1	08/31/2017 00:26	WG1015444
tert-Butylbenzene	U		0.183	0.500	1	08/31/2017 00:26	WG1015444
Carbon disulfide	U		0.101	0.500	1	08/31/2017 00:26	WG1015444
Carbon tetrachloride	U		0.159	0.500	1	08/31/2017 00:26	WG1015444
Chlorobenzene	U		0.140	0.500	1	08/31/2017 00:26	WG1015444
Chlorodibromomethane	U		0.128	0.500	1	08/31/2017 00:26	WG1015444
Chloroethane	U		0.141	2.50	1	08/31/2017 00:26	WG1015444
Chloroform	U		0.0860	0.500	1	08/31/2017 00:26	WG1015444
Chloromethane	U		0.153	1.25	1	08/31/2017 00:26	WG1015444
2-Chlorotoluene	U		0.111	0.500	1	08/31/2017 00:26	WG1015444
4-Chlorotoluene	U		0.0972	0.500	1	08/31/2017 00:26	WG1015444
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	08/31/2017 00:26	WG1015444
1,2-Dibromoethane	U		0.193	0.500	1	08/31/2017 00:26	WG1015444
Dibromomethane	U		0.117	0.500	1	08/31/2017 00:26	WG1015444
1,2-Dichlorobenzene	U		0.101	0.500	1	08/31/2017 00:26	WG1015444
1,3-Dichlorobenzene	U		0.130	0.500	1	08/31/2017 00:26	WG1015444
1,4-Dichlorobenzene	U		0.121	0.500	1	08/31/2017 00:26	WG1015444
Dichlorodifluoromethane	U		0.127	2.50	1	08/31/2017 00:26	WG1015444
1,1-Dichloroethane	U		0.114	0.500	1	08/31/2017 00:26	WG1015444
1,2-Dichloroethane	U		0.108	0.500	1	08/31/2017 00:26	WG1015444
1,1-Dichloroethene	U		0.188	0.500	1	08/31/2017 00:26	WG1015444
cis-1,2-Dichloroethene	U		0.0933	0.500	1	08/31/2017 00:26	WG1015444
trans-1,2-Dichloroethene	U		0.152	0.500	1	08/31/2017 00:26	WG1015444
1,2-Dichloropropane	U		0.190	0.500	1	08/31/2017 00:26	WG1015444
1,1-Dichloropropene	U		0.128	0.500	1	08/31/2017 00:26	WG1015444
1,3-Dichloropropane	U		0.147	1.00	1	08/31/2017 00:26	WG1015444
cis-1,3-Dichloropropene	U		0.0976	0.500	1	08/31/2017 00:26	WG1015444
trans-1,3-Dichloropropene	U		0.222	0.500	1	08/31/2017 00:26	WG1015444
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	08/31/2017 00:26	WG1015444
2,2-Dichloropropane	U		0.0929	0.500	1	08/31/2017 00:26	WG1015444
Di-isopropyl ether	U		0.0924	0.500	1	08/31/2017 00:26	WG1015444
Ethylbenzene	U		0.158	0.500	1	08/31/2017 00:26	WG1015444
Hexachloro-1,3-butadiene	U		0.157	1.00	1	08/31/2017 00:26	WG1015444
2-Hexanone	U		0.757	5.00	1	08/31/2017 00:26	WG1015444
n-Hexane	U		0.305	5.00	1	08/31/2017 00:26	WG1015444
Iodomethane	U		0.377	10.0	1	08/31/2017 00:26	WG1015444
Isopropylbenzene	U		0.126	0.500	1	08/31/2017 00:26	WG1015444
p-Isopropyltoluene	U		0.138	0.500	1	08/31/2017 00:26	WG1015444
2-Butanone (MEK)	U		1.28	5.00	1	08/31/2017 00:26	WG1015444
Methylene Chloride	U		1.07	2.50	1	08/31/2017 00:26	WG1015444
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	08/31/2017 00:26	WG1015444
Methyl tert-butyl ether	U		0.102	0.500	1	08/31/2017 00:26	WG1015444
Naphthalene	U		0.174	2.50	1	08/31/2017 00:26	WG1015444
n-Propylbenzene	U		0.162	0.500	1	08/31/2017 00:26	WG1015444
Styrene	U		0.117	0.500	1	08/31/2017 00:26	WG1015444
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	08/31/2017 00:26	WG1015444
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	08/31/2017 00:26	WG1015444

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	08/31/2017 00:26	WG1015444
Tetrachloroethene	U		0.199	0.500	1	08/31/2017 00:26	WG1015444
Toluene	U		0.412	0.500	1	08/31/2017 00:26	WG1015444
1,2,3-Trichlorobenzene	U		0.164	0.500	1	08/31/2017 00:26	WG1015444
1,2,4-Trichlorobenzene	U		0.355	0.500	1	08/31/2017 00:26	WG1015444
1,1,1-Trichloroethane	U		0.0940	0.500	1	08/31/2017 00:26	WG1015444
1,1,2-Trichloroethane	U		0.186	0.500	1	08/31/2017 00:26	WG1015444
Trichloroethene	U		0.153	0.500	1	08/31/2017 00:26	WG1015444
Trichlorofluoromethane	U		0.130	2.50	1	08/31/2017 00:26	WG1015444
1,2,3-Trichloropropane	U		0.247	2.50	1	08/31/2017 00:26	WG1015444
1,2,4-Trimethylbenzene	U		0.123	0.500	1	08/31/2017 00:26	WG1015444
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	08/31/2017 00:26	WG1015444
1,3,5-Trimethylbenzene	U		0.124	0.500	1	08/31/2017 00:26	WG1015444
Vinyl acetate	U		0.645	5.00	1	08/31/2017 00:26	WG1015444
Vinyl chloride	U		0.118	0.500	1	08/31/2017 00:26	WG1015444
Xylenes, Total	U		0.316	1.50	1	08/31/2017 00:26	WG1015444
(S) Toluene-d8	*104*			*80.0-120*		*08/31/2017 00:26*	WG1015444
(S) Dibromofluoromethane	*106*			*76.0-123*		*08/31/2017 00:26*	WG1015444
(S) 4-Bromofluorobenzene	*97.0*			*80.0-120*		*08/31/2017 00:26*	WG1015444

Method Blank (MB)

(MB) R3247384-1 09/06/17 13:33

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00140			

L932876-01 Original Sample (OS) • Duplicate (DUP)

(OS) L932876-01 09/06/17 13:33 • (DUP) R3247384-3 09/06/17 13:33

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.1	91.2	1	0.999		5

Laboratory Control Sample (LCS)

(LCS) R3247384-2 09/06/17 13:33

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) R3247368-1 09/06/17 10:08

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

L932876-11 Original Sample (OS) • Duplicate (DUP)

(OS) L932876-11 09/06/17 10:08 • (DUP) R3247368-3 09/06/17 10:08

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.4	76.7	1	2.20		5

Laboratory Control Sample (LCS)

(LCS) R3247368-2 09/06/17 10:08

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

Method Blank (MB)

(MB) R3248022-1 09/08/17 13:40

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000200			

L934680-29 Original Sample (OS) • Duplicate (DUP)

(OS) L934680-29 09/08/17 13:40 • (DUP) R3248022-3 09/08/17 13:40

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	76.7	76.2	1	0.541		5

Laboratory Control Sample (LCS)

(LCS) R3248022-2 09/08/17 13:40

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

Method Blank (MB)

(MB) R3246008-3 08/31/17 10:50

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)	*102*			*77.0-120*

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

(LCS) R3246008-1 08/31/17 09:43 • (LCSD) R3246008-2 08/31/17 10:06

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 %
Gasoline Range Organics-NWTPH	5.50	5.46	5.53	99.4	100	70.0-133			1.13	20
(S) a,a,a-Trifluorotoluene(FID)				*113*	*115*	*77.0-120*				

L932906-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932906-01 08/31/17 17:44 • (MS) R3246008-4 08/31/17 18:06 • (MSD) R3246008-5 08/31/17 18:28

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	6.59	ND	210	210	127	128	25	10.0-146			0.0400	30
(S) a,a,a-Trifluorotoluene(FID)					*117*	*116*		*77.0-120*				

Method Blank (MB)

(MB) R3247915-3 09/08/17 11:34

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)	*98.1*			*77.0-120*

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

(LCS) R3247915-1 09/08/17 10:27 • (LCSD) R3247915-2 09/08/17 10:49

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	5.88	5.87	107	107	70.0-133			0.250	20
(S) a,a,a-Trifluorotoluene(FID)				*105*	*106*	*77.0-120*				

Method Blank (MB)

(MB) R3246610-3 08/30/17 23:10

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) R3246610-3 08/30/17 23:10

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	*104*			*80.0-120*
(S) Dibromofluoromethane	*97.5*			*76.0-123*
(S) 4-Bromofluorobenzene	*101*			*80.0-120*

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

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

(LCS) R3246610-1 08/30/17 22:12 • (LCSD) R3246610-2 08/30/17 22:31

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	126	105	101	83.6	10.0-160			18.6	23
Acrylonitrile	125	144	141	115	113	60.0-142			2.07	20
Benzene	25.0	26.0	26.0	104	104	69.0-123			0.0800	20
Bromobenzene	25.0	24.6	24.8	98.4	99.1	79.0-120			0.710	20
Bromodichloromethane	25.0	27.0	26.7	108	107	76.0-120			1.34	20
Bromochloromethane	25.0	26.7	26.4	107	106	76.0-122			1.09	20
Bromoform	25.0	25.4	26.1	102	104	67.0-132			2.54	20
Bromomethane	25.0	26.1	25.1	105	100	18.0-160			4.01	20
n-Butylbenzene	25.0	24.3	24.0	97.0	96.1	72.0-126			0.950	20
sec-Butylbenzene	25.0	25.2	24.6	101	98.2	74.0-121			2.37	20
tert-Butylbenzene	25.0	25.9	24.8	103	99.2	75.0-122			4.17	20
Carbon disulfide	25.0	26.8	26.5	107	106	55.0-127			1.24	20
Carbon tetrachloride	25.0	24.5	24.7	97.8	98.9	63.0-122			1.09	20
Chlorobenzene	25.0	26.3	25.7	105	103	79.0-121			2.09	20
Chlorodibromomethane	25.0	26.6	25.5	106	102	75.0-125			4.04	20
Chloroethane	25.0	27.5	26.2	110	105	47.0-152			5.12	20
Chloroform	25.0	26.4	26.3	106	105	72.0-121			0.600	20
Chloromethane	25.0	29.0	26.6	116	106	48.0-139			8.42	20
2-Chlorotoluene	25.0	26.0	25.6	104	102	74.0-122			1.60	20
4-Chlorotoluene	25.0	25.6	25.9	102	104	79.0-120			1.27	20
1,2-Dibromo-3-Chloropropane	25.0	26.2	24.4	105	97.5	64.0-127			7.17	20
1,2-Dibromoethane	25.0	25.0	24.9	100	99.6	77.0-123			0.500	20
Dibromomethane	25.0	28.0	28.0	112	112	78.0-120			0.0700	20
1,2-Dichlorobenzene	25.0	26.7	26.1	107	105	80.0-120			2.23	20
1,3-Dichlorobenzene	25.0	25.9	25.7	104	103	72.0-123			0.780	20
1,4-Dichlorobenzene	25.0	25.9	25.5	103	102	77.0-120			1.59	20
Dichlorodifluoromethane	25.0	26.9	27.3	108	109	49.0-155			1.44	20
1,1-Dichloroethane	25.0	27.4	27.3	110	109	70.0-126			0.330	20
1,2-Dichloroethane	25.0	26.8	26.8	107	107	67.0-126			0.0700	20
1,1-Dichloroethene	25.0	27.2	26.6	109	106	64.0-129			2.20	20
cis-1,2-Dichloroethene	25.0	26.9	26.9	108	108	73.0-120			0.150	20
trans-1,2-Dichloroethene	25.0	26.6	26.4	107	106	71.0-121			0.830	20
1,2-Dichloropropane	25.0	28.0	27.6	112	110	75.0-125			1.62	20
1,1-Dichloropropene	25.0	26.9	26.7	108	107	71.0-129			0.730	20
1,3-Dichloropropane	25.0	26.0	25.4	104	101	80.0-121			2.56	20
cis-1,3-Dichloropropene	25.0	28.5	28.0	114	112	79.0-123			1.66	20
trans-1,3-Dichloropropene	25.0	26.3	26.3	105	105	74.0-127			0.190	20
trans-1,4-Dichloro-2-butene	25.0	28.7	29.5	115	118	55.0-134			2.94	20
2,2-Dichloropropane	25.0	27.7	25.9	111	103	60.0-125			6.65	20
Di-isopropyl ether	25.0	27.4	26.7	110	107	59.0-133			2.84	20

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

(LCS) R3246610-1 08/30/17 22:12 • (LCSD) R3246610-2 08/30/17 22:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	25.4	25.0	101	99.9	77.0-120			1.53	20
Hexachloro-1,3-butadiene	25.0	22.2	23.2	88.7	92.6	64.0-131			4.30	20
2-Hexanone	125	131	128	105	102	58.0-147			2.63	20
n-Hexane	25.0	23.4	23.5	93.4	93.9	56.0-124			0.510	20
Iodomethane	125	143	140	115	112	57.0-140			2.21	20
Isopropylbenzene	25.0	25.3	25.0	101	100	75.0-120			1.10	20
p-Isopropyltoluene	25.0	25.9	25.3	104	101	74.0-126			2.51	20
2-Butanone (MEK)	125	125	118	100	94.1	37.0-158			6.22	20
Methylene Chloride	25.0	26.3	26.2	105	105	66.0-121			0.390	20
4-Methyl-2-pentanone (MIBK)	125	137	128	109	103	59.0-143			6.22	20
Methyl tert-butyl ether	25.0	26.9	26.1	107	104	64.0-123			2.96	20
Naphthalene	25.0	23.4	22.6	93.7	90.3	62.0-128			3.65	20
n-Propylbenzene	25.0	25.4	25.6	102	102	79.0-120			0.700	20
Styrene	25.0	26.7	26.7	107	107	78.0-124			0.330	20
1,1,1,2-Tetrachloroethane	25.0	27.3	25.9	109	104	75.0-122			5.33	20
1,1,2,2-Tetrachloroethane	25.0	24.8	24.2	99.0	96.6	71.0-122			2.47	20
1,1,2-Trichlorotrifluoroethane	25.0	25.4	25.8	102	103	61.0-136			1.63	20
Tetrachloroethene	25.0	25.1	24.4	100	97.6	70.0-127			2.75	20
Toluene	25.0	24.6	24.2	98.3	96.7	77.0-120			1.61	20
1,2,3-Trichlorobenzene	25.0	24.1	24.8	96.6	99.4	61.0-133			2.85	20
1,2,4-Trichlorobenzene	25.0	25.9	25.2	103	101	69.0-129			2.41	20
1,1,1-Trichloroethane	25.0	26.7	26.0	107	104	68.0-122			2.70	20
1,1,2-Trichloroethane	25.0	25.5	25.1	102	100	78.0-120			1.52	20
Trichloroethene	25.0	26.7	26.5	107	106	78.0-120			0.960	20
Trichlorofluoromethane	25.0	26.9	26.4	107	106	56.0-137			1.71	20
1,2,3-Trichloropropane	25.0	25.7	25.2	103	101	72.0-124			1.74	20
1,2,4-Trimethylbenzene	25.0	26.5	25.3	106	101	75.0-120			4.64	20
1,2,3-Trimethylbenzene	25.0	25.7	24.7	103	98.9	75.0-120			3.71	20
1,3,5-Trimethylbenzene	25.0	25.4	24.7	102	98.7	75.0-120			2.79	20
Vinyl acetate	125	165	160	132	128	46.0-160			3.11	20
Vinyl chloride	25.0	25.8	25.8	103	103	64.0-133			0.0100	20
Xylenes, Total	75.0	78.6	76.1	105	101	77.0-120			3.23	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*103*	*104*	*76.0-123*				
(S) 4-Bromofluorobenzene				*94.7*	*96.9*	*80.0-120*				

Method Blank (MB)

(MB) R3247190-3 08/31/17 14:15

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
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
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
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
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
Isopropylbenzene	U		0.000243	0.00100

Method Blank (MB)

(MB) R3247190-3 08/31/17 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
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
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
1,2,3-Trichloropropane	U		0.000741	0.00250
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*92.3*			*74.0-131*
(S) 4-Bromofluorobenzene	*91.2*			*64.0-132*

Method Blank (MB)

(MB) R3247406-3 09/06/17 17:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Carbon tetrachloride	U		0.000328	0.00100
Chloromethane	U		0.000375	0.00250
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100

Method Blank (MB)

(MB) R3247406-3 09/06/17 17:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
(S) Toluene-d8	*104*			*80.0-120*
(S) Dibromofluoromethane	*104*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

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

(LCS) R3247190-1 08/31/17 12:12 • (LCSD) R3247190-2 08/31/17 12:32

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	0.0762	0.0760	60.9	60.8	11.0-160			0.280	23
Acrylonitrile	0.125	0.0916	0.0928	73.3	74.2	61.0-143			1.29	20
Benzene	0.0250	0.0207	0.0208	83.0	83.2	71.0-124			0.300	20
Bromobenzene	0.0250	0.0199	0.0197	79.6	78.8	78.0-120			1.00	20
Bromodichloromethane	0.0250	0.0211	0.0209	84.5	83.5	75.0-120			1.19	20
Bromoform	0.0250	0.0237	0.0213	94.8	85.0	65.0-133			10.9	20
Bromochloromethane	0.0250	0.0222	0.0220	88.7	87.8	80.0-121			0.980	20
Bromomethane	0.0250	0.0227	0.0235	90.8	93.9	26.0-160			3.41	20
n-Butylbenzene	0.0250	0.0201	0.0201	80.3	80.3	73.0-126			0.0200	20
sec-Butylbenzene	0.0250	0.0205	0.0203	82.2	81.4	75.0-121			1.01	20
tert-Butylbenzene	0.0250	0.0210	0.0209	84.1	83.5	74.0-122			0.690	20
Carbon disulfide	0.0250	0.0216	0.0225	86.5	89.9	53.0-130			3.89	20
Chlorobenzene	0.0250	0.0248	0.0246	99.4	98.4	79.0-121			0.950	20
Chlorodibromomethane	0.0250	0.0237	0.0237	94.7	94.8	74.0-128			0.190	20
Chloroethane	0.0250	0.0224	0.0231	89.7	92.4	51.0-147			2.95	20
Chloroform	0.0250	0.0202	0.0204	80.7	81.5	73.0-123			0.980	20
2-Chlorotoluene	0.0250	0.0206	0.0205	82.6	82.1	72.0-124			0.580	20
4-Chlorotoluene	0.0250	0.0202	0.0196	80.9	78.6	78.0-120			2.97	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0233	0.0216	93.1	86.5	65.0-126			7.32	20
1,2-Dibromoethane	0.0250	0.0245	0.0235	98.1	94.0	78.0-122			4.25	20
Dibromomethane	0.0250	0.0228	0.0213	91.1	85.2	79.0-120			6.72	20
1,2-Dichlorobenzene	0.0250	0.0226	0.0225	90.3	90.0	80.0-120			0.270	20
1,3-Dichlorobenzene	0.0250	0.0226	0.0224	90.3	89.7	72.0-123			0.670	20
1,4-Dichlorobenzene	0.0250	0.0211	0.0212	84.4	84.7	77.0-120			0.340	20
Dichlorodifluoromethane	0.0250	0.0228	0.0231	91.2	92.4	49.0-155			1.27	20
trans-1,4-Dichloro-2-butene	0.0250	0.0197	0.0199	79.0	79.8	68.0-126			1.01	20
1,1-Dichloroethane	0.0250	0.0203	0.0208	81.1	83.2	70.0-128			2.61	20
1,2-Dichloroethane	0.0250	0.0213	0.0207	85.0	82.7	69.0-128			2.70	20

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

(LCS) R3247190-1 08/31/17 12:12 • (LCSD) R3247190-2 08/31/17 12:32

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 %
1,1-Dichloroethene	0.0250	0.0217	0.0226	86.8	90.5	63.0-131			4.19	20
1,2-Dichloropropane	0.0250	0.0219	0.0219	87.5	87.6	75.0-126			0.110	20
1,1-Dichloropropene	0.0250	0.0201	0.0202	80.5	80.7	72.0-130			0.230	20
1,3-Dichloropropane	0.0250	0.0247	0.0242	98.8	96.7	80.0-121			2.10	20
cis-1,3-Dichloropropene	0.0250	0.0257	0.0252	103	101	80.0-125			1.68	20
trans-1,3-Dichloropropene	0.0250	0.0264	0.0253	106	101	75.0-129			4.27	20
Ethylbenzene	0.0250	0.0226	0.0228	90.5	91.2	77.0-120			0.680	20
Hexachloro-1,3-butadiene	0.0250	0.0214	0.0209	85.5	83.5	68.0-128			2.40	20
2-Hexanone	0.125	0.122	0.111	97.9	88.7	61.0-143			9.86	20
Isopropylbenzene	0.0250	0.0202	0.0202	80.7	80.8	75.0-120			0.140	20
n-Hexane	0.0250	0.0181	0.0181	72.4	72.5	57.0-125			0.0700	20
Iodomethane	0.125	0.120	0.131	95.6	105	67.0-132			9.00	20
p-Isopropyltoluene	0.0250	0.0212	0.0213	84.6	85.3	74.0-125			0.780	20
2-Butanone (MEK)	0.125	0.102	0.0965	81.3	77.2	37.0-159			5.21	20
Methylene Chloride	0.0250	0.0196	0.0195	78.3	78.0	67.0-123			0.350	20
4-Methyl-2-pentanone (MIBK)	0.125	0.114	0.106	91.0	84.4	60.0-144			7.46	20
Methyl tert-butyl ether	0.0250	0.0201	0.0199	80.3	79.7	66.0-125			0.750	20
Naphthalene	0.0250	0.0213	0.0201	85.3	80.2	64.0-125			6.13	20
n-Propylbenzene	0.0250	0.0205	0.0206	82.1	82.4	78.0-120			0.360	20
Styrene	0.0250	0.0219	0.0212	87.5	84.7	78.0-124			3.30	20
1,1,1,2-Tetrachloroethane	0.0250	0.0232	0.0229	92.6	91.8	74.0-124			0.920	20
1,1,2,2-Tetrachloroethane	0.0250	0.0215	0.0201	85.8	80.3	73.0-120			6.63	20
Tetrachloroethene	0.0250	0.0254	0.0264	102	106	70.0-127			3.99	20
Toluene	0.0250	0.0226	0.0220	90.5	87.9	77.0-120			2.87	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0226	0.0228	90.3	91.0	64.0-135			0.830	20
1,2,3-Trichlorobenzene	0.0250	0.0223	0.0213	89.0	85.0	68.0-126			4.60	20
1,2,4-Trichlorobenzene	0.0250	0.0222	0.0218	88.8	87.1	70.0-127			1.99	20
1,1,2-Trichloroethane	0.0250	0.0236	0.0226	94.5	90.3	78.0-120			4.50	20
Trichloroethene	0.0250	0.0231	0.0233	92.4	93.0	79.0-120			0.650	20
Trichlorofluoromethane	0.0250	0.0260	0.0266	104	106	59.0-136			2.23	20
1,2,3-Trichloropropane	0.0250	0.0220	0.0200	88.1	80.2	73.0-124			9.48	20
1,3,5-Trimethylbenzene	0.0250	0.0203	0.0202	81.0	80.6	75.0-120			0.520	20
Vinyl chloride	0.0250	0.0250	0.0273	100	109	63.0-134			8.78	20
Xylenes, Total	0.0750	0.0672	0.0661	89.6	88.1	77.0-120			1.65	20
Vinyl acetate	0.125	0.103	0.100	82.4	80.3	58.0-156			2.47	20
(S) Toluene-d8				*107*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*92.2*	*91.5*	*74.0-131*				
(S) 4-Bromofluorobenzene				*89.8*	*88.8*	*64.0-132*				

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

(LCS) R3247406-1 09/06/17 14:14 • (LCSD) R3247406-2 09/06/17 14:40

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 %
Carbon tetrachloride	0.0250	0.0238	0.0237	95.2	94.8	66.0-123			0.410	20
Chloromethane	0.0250	0.0229	0.0225	91.6	90.1	51.0-138			1.60	20
cis-1,2-Dichloroethene	0.0250	0.0245	0.0242	98.0	97.0	74.0-123			1.01	20
trans-1,2-Dichloroethene	0.0250	0.0250	0.0245	99.9	98.1	72.0-122			1.84	20
2,2-Dichloropropane	0.0250	0.0232	0.0243	93.0	97.2	60.0-129			4.45	20
Di-isopropyl ether	0.0250	0.0240	0.0237	96.0	95.0	62.0-133			1.13	20
1,1,1-Trichloroethane	0.0250	0.0249	0.0246	99.5	98.6	69.0-125			0.890	20
1,2,3-Trimethylbenzene	0.0250	0.0248	0.0245	99.3	98.1	76.0-120			1.20	20
1,2,4-Trimethylbenzene	0.0250	0.0266	0.0261	106	105	75.0-120			1.77	20

L932832-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932832-01 09/07/17 13:57 • (MS) R3247585-1 09/07/17 14:17 • (MSD) R3247585-2 09/07/17 14:37

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	11.5	9.85	92.2	78.8	100	10.0-160			15.7	36
Acrylonitrile	0.125	ND	15.9	14.2	127	114	100	14.0-160			11.0	33
Benzene	0.0250	0.220	1.42	1.25	48.0	41.2	100	13.0-146			12.7	27
Bromobenzene	0.0250	ND	1.73	1.26	69.1	50.3	100	10.0-149			31.7	33
Bromodichloromethane	0.0250	ND	1.90	1.71	76.1	68.3	100	15.0-142			10.8	28
Bromoform	0.0250	ND	2.40	1.93	96.0	77.2	100	10.0-147			21.7	31
Bromomethane	0.0250	ND	0.380	0.330	15.2	13.2	100	10.0-160			14.0	32
Bromochloromethane	0.0250	ND	1.97	1.68	78.9	67.2	100	24.0-146			16.0	27
n-Butylbenzene	0.0250	ND	1.29	0.936	50.4	36.3	100	10.0-154			31.6	37
sec-Butylbenzene	0.0250	ND	1.49	1.09	59.8	43.6	100	10.0-151			31.3	36
tert-Butylbenzene	0.0250	ND	1.70	1.20	67.9	48.0	100	10.0-152			34.4	35
Carbon tetrachloride	0.0250	ND	1.36	1.23	54.5	49.1	100	13.0-140			10.4	30
Chlorobenzene	0.0250	ND	1.71	1.36	68.4	54.3	100	10.0-149			23.0	31
Chlorodibromomethane	0.0250	ND	2.29	1.94	91.5	77.6	100	12.0-147			16.4	29
Carbon disulfide	0.0250	ND	0.110	0.118	4.41	4.70	100	10.0-141	J6	J6	6.37	30
Chloroethane	0.0250	ND	0.771	0.651	30.8	26.0	100	10.0-159			16.8	33
Chloroform	0.0250	ND	5.83	5.77	233	231	100	18.0-148	J5	J5	1.12	28
Chloromethane	0.0250	ND	0.340	0.292	12.1	10.2	100	10.0-146			15.2	29
2-Chlorotoluene	0.0250	ND	1.72	1.20	68.7	47.9	100	10.0-151		J3	35.7	35
4-Chlorotoluene	0.0250	ND	1.74	1.21	69.6	48.6	100	10.0-150		J3	35.6	35
1,2-Dibromo-3-Chloropropane	0.0250	ND	2.26	1.68	90.6	67.2	100	10.0-149			29.7	34
1,2-Dibromoethane	0.0250	ND	2.18	1.93	87.4	77.0	100	14.0-145			12.6	28
Dibromomethane	0.0250	ND	1.93	1.68	77.2	67.3	100	18.0-144			13.7	27
1,2-Dichlorobenzene	0.0250	ND	1.72	1.20	68.9	47.8	100	10.0-153		J3	36.2	34

L932832-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932832-01 09/07/17 13:57 • (MS) R3247585-1 09/07/17 14:17 • (MSD) R3247585-2 09/07/17 14:37

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 %
1,3-Dichlorobenzene	0.0250	ND	1.77	1.19	70.7	47.8	100	10.0-150		J3	38.7	35
1,4-Dichlorobenzene	0.0250	ND	1.72	1.16	68.8	46.3	100	10.0-148		J3	39.2	34
Dichlorodifluoromethane	0.0250	ND	0.680	0.651	27.2	26.0	100	10.0-160			4.26	30
1,1-Dichloroethane	0.0250	ND	1.74	1.51	69.7	60.4	100	19.0-148			14.4	28
1,2-Dichloroethane	0.0250	ND	1.74	1.45	69.8	58.0	100	17.0-147			18.4	27
trans-1,4-Dichloro-2-butene	0.0250	ND	2.41	1.75	96.3	69.9	100	10.0-160			31.7	40
1,1-Dichloroethene	0.0250	ND	1.21	1.09	48.5	43.5	100	10.0-150			10.9	31
cis-1,2-Dichloroethene	0.0250	ND	1.54	1.34	61.7	53.6	100	16.0-145			14.0	28
trans-1,2-Dichloroethene	0.0250	ND	0.903	0.818	36.1	32.7	100	11.0-142			9.84	29
1,2-Dichloropropane	0.0250	ND	1.69	1.54	67.6	61.5	100	17.0-148			9.52	28
1,1-Dichloropropene	0.0250	ND	1.04	0.941	41.5	37.6	100	10.0-150			9.66	30
1,3-Dichloropropane	0.0250	ND	2.19	1.85	87.8	73.8	100	16.0-148			17.3	27
cis-1,3-Dichloropropene	0.0250	ND	1.81	1.58	72.4	63.1	100	13.0-150			13.8	28
trans-1,3-Dichloropropene	0.0250	ND	1.93	1.64	77.2	65.8	100	10.0-152			15.9	29
2,2-Dichloropropane	0.0250	ND	1.71	1.52	68.4	60.6	100	16.0-143			12.1	30
Di-isopropyl ether	0.0250	ND	1.66	1.44	66.2	57.7	100	16.0-149			13.8	28
Ethylbenzene	0.0250	ND	1.59	1.25	60.1	46.2	100	10.0-147			24.5	31
Hexachloro-1,3-butadiene	0.0250	ND	0.626	0.599	25.0	23.9	100	10.0-154			4.45	40
Isopropylbenzene	0.0250	ND	1.85	1.35	74.2	53.9	100	10.0-147			31.6	33
2-Hexanone	0.125	ND	14.2	12.2	114	97.4	100	12.0-158			15.7	30
p-Isopropyltoluene	0.0250	ND	1.51	1.07	60.6	42.9	100	10.0-156			34.2	37
2-Butanone (MEK)	0.125	ND	17.8	16.6	143	133	100	10.0-160			7.32	33
n-Hexane	0.0250	6.60	5.94	6.11	0.000	0.000	100	10.0-140	J6	J6	2.75	34
Iodomethane	0.125	ND	5.75	4.90	46.0	39.2	100	10.0-157			15.9	34
Methylene Chloride	0.0250	ND	1.30	1.14	51.9	45.4	100	16.0-139			13.3	29
4-Methyl-2-pentanone (MIBK)	0.125	37.6	32.8	31.4	0.000	0.000	100	12.0-160	J6	J6	4.19	32
Methyl tert-butyl ether	0.0250	ND	2.06	1.80	82.3	72.1	100	21.0-145			13.2	29
Naphthalene	0.0250	ND	1.35	1.08	44.5	33.8	100	10.0-153			22.2	36
n-Propylbenzene	0.0250	ND	1.71	1.19	67.6	46.8	100	10.0-151		J3	35.8	34
Styrene	0.0250	ND	2.02	1.51	80.8	60.3	100	10.0-155			29.1	34
1,1,1,2-Tetrachloroethane	0.0250	ND	2.05	1.66	81.9	66.3	100	10.0-147			20.9	30
1,1,2,2-Tetrachloroethane	0.0250	ND	2.74	2.15	110	86.0	100	10.0-155			24.2	31
Tetrachloroethene	0.0250	ND	1.42	1.19	57.0	47.7	100	10.0-144			17.8	32
Toluene	0.0250	ND	1.54	1.30	58.5	49.2	100	10.0-144			16.4	28
1,1,2-Trichlorotrifluoroethane	0.0250	ND	1.68	1.80	67.0	71.8	100	10.0-153			6.91	33
1,2,3-Trichlorobenzene	0.0250	ND	0.868	0.732	34.7	29.3	100	10.0-153			17.1	40
1,2,4-Trichlorobenzene	0.0250	ND	1.07	0.806	42.9	32.3	100	10.0-156			28.3	40
1,1,1-Trichloroethane	0.0250	ND	1.64	1.45	65.8	58.2	100	18.0-145			12.3	29
1,1,2-Trichloroethane	0.0250	ND	2.51	2.12	100	84.9	100	12.0-151			16.7	28
Trichloroethene	0.0250	ND	1.50	1.32	59.9	52.7	100	11.0-148			12.7	29

L932832-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L932832-01 09/07/17 13:57 • (MS) R3247585-1 09/07/17 14:17 • (MSD) R3247585-2 09/07/17 14:37

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 %
Trichlorofluoromethane	0.0250	ND	1.35	1.24	54.1	49.6	100	10.0-157			8.54	34
1,2,3-Trichloropropane	0.0250	ND	3.17	2.55	127	102	100	10.0-154			21.9	32
1,2,3-Trimethylbenzene	0.0250	0.105	1.60	1.11	59.8	40.4	100	10.0-150		J3	35.7	33
1,2,4-Trimethylbenzene	0.0250	0.181	1.65	1.15	58.7	38.6	100	10.0-151		J3	36.0	34
1,3,5-Trimethylbenzene	0.0250	ND	1.65	1.16	64.7	45.1	100	10.0-150		J3	34.9	33
Vinyl chloride	0.0250	ND	0.434	0.398	17.4	15.9	100	10.0-150			8.82	29
Xylenes, Total	0.0750	0.549	4.88	3.78	57.7	43.1	100	10.0-150			25.4	31
Vinyl acetate	0.125	ND	11.2	10.2	89.8	81.3	100	10.0-160			9.99	40
(S) Toluene-d8					*107*	*105*		*80.0-120*				
(S) Dibromofluoromethane					*99.2*	*96.9*		*74.0-131*				
(S) 4-Bromofluorobenzene					*110*	*110*		*64.0-132*				

Method Blank (MB)

(MB) R3247967-3 09/08/17 11:54

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) R3247967-3 09/08/17 11:54

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
Iodomethane	U		0.00253	0.0100
n-Hexane	U		0.000290	0.0100
2-Hexanone	U		0.00137	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	0.00106	J	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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*96.6*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

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

(LCS) R3247967-1 09/08/17 10:55 • (LCSD) R3247967-2 09/08/17 11:15

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 %
Acetone	0.125	0.106	0.108	84.9	86.8	11.0-160			2.16	23
Acrylonitrile	0.125	0.112	0.107	89.2	85.5	61.0-143			4.23	20
Benzene	0.0250	0.0243	0.0239	97.3	95.6	71.0-124			1.70	20
Bromobenzene	0.0250	0.0211	0.0217	84.3	86.8	78.0-120			2.87	20
Bromodichloromethane	0.0250	0.0247	0.0234	98.8	93.7	75.0-120			5.27	20
Bromochloromethane	0.0250	0.0268	0.0267	107	107	80.0-121			0.130	20
Bromoform	0.0250	0.0229	0.0233	91.5	93.3	65.0-133			1.99	20
Bromomethane	0.0250	0.0257	0.0273	103	109	26.0-160			6.04	20
n-Butylbenzene	0.0250	0.0253	0.0261	101	104	73.0-126			3.05	20
sec-Butylbenzene	0.0250	0.0251	0.0257	101	103	75.0-121			2.24	20
tert-Butylbenzene	0.0250	0.0253	0.0258	101	103	74.0-122			1.97	20
Carbon disulfide	0.0250	0.0243	0.0210	97.3	84.0	53.0-130			14.6	20
Carbon tetrachloride	0.0250	0.0246	0.0246	98.2	98.3	66.0-123			0.120	20
Chlorobenzene	0.0250	0.0272	0.0286	109	114	79.0-121			4.82	20
Chlorodibromomethane	0.0250	0.0276	0.0282	110	113	74.0-128			2.33	20
Chloroethane	0.0250	0.0203	0.0216	81.4	86.5	51.0-147			6.08	20
Chloroform	0.0250	0.0251	0.0243	100	97.2	73.0-123			3.09	20
Chloromethane	0.0250	0.0196	0.0194	78.6	77.4	51.0-138			1.47	20
2-Chlorotoluene	0.0250	0.0238	0.0247	95.4	98.7	72.0-124			3.44	20
4-Chlorotoluene	0.0250	0.0235	0.0245	94.1	97.9	78.0-120			3.95	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0253	0.0250	101	100	65.0-126			1.00	20
trans-1,4-Dichloro-2-butene	0.0250	0.0171	0.0173	68.3	69.2	68.0-126			1.20	20
1,2-Dibromoethane	0.0250	0.0276	0.0286	110	114	78.0-122			3.74	20
Dibromomethane	0.0250	0.0273	0.0263	109	105	79.0-120			3.65	20
1,2-Dichlorobenzene	0.0250	0.0261	0.0274	104	110	80.0-120			4.97	20
1,3-Dichlorobenzene	0.0250	0.0266	0.0272	107	109	72.0-123			1.95	20
1,4-Dichlorobenzene	0.0250	0.0251	0.0261	100	105	77.0-120			4.00	20
Dichlorodifluoromethane	0.0250	0.0245	0.0255	97.9	102	49.0-155			4.27	20
1,1-Dichloroethane	0.0250	0.0228	0.0224	91.0	89.6	70.0-128			1.56	20
1,2-Dichloroethane	0.0250	0.0240	0.0236	96.0	94.2	69.0-128			1.83	20
1,1-Dichloroethene	0.0250	0.0280	0.0256	112	102	63.0-131			9.13	20
cis-1,2-Dichloroethene	0.0250	0.0250	0.0244	100	97.4	74.0-123			2.74	20
trans-1,2-Dichloroethene	0.0250	0.0255	0.0253	102	101	72.0-122			0.660	20
1,2-Dichloropropane	0.0250	0.0224	0.0229	89.6	91.5	75.0-126			2.06	20
1,1-Dichloropropene	0.0250	0.0235	0.0238	94.1	95.2	72.0-130			1.13	20
1,3-Dichloropropane	0.0250	0.0254	0.0267	101	107	80.0-121			5.23	20
cis-1,3-Dichloropropene	0.0250	0.0236	0.0251	94.3	101	80.0-125			6.39	20
trans-1,3-Dichloropropene	0.0250	0.0242	0.0260	97.0	104	75.0-129			7.16	20
2,2-Dichloropropane	0.0250	0.0220	0.0223	87.9	89.4	60.0-129			1.63	20
Di-isopropyl ether	0.0250	0.0196	0.0190	78.2	75.8	62.0-133			3.13	20

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

(LCS) R3247967-1 09/08/17 10:55 • (LCSD) R3247967-2 09/08/17 11:15

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 %
Ethylbenzene	0.0250	0.0260	0.0273	104	109	77.0-120			4.59	20
Iodomethane	0.125	0.119	0.117	95.6	93.2	67.0-132			2.48	20
Hexachloro-1,3-butadiene	0.0250	0.0254	0.0262	102	105	68.0-128			3.23	20
2-Hexanone	0.125	0.111	0.119	88.8	95.5	61.0-143			7.23	20
n-Hexane	0.0250	0.0207	0.0202	82.9	80.8	57.0-125			2.51	20
Isopropylbenzene	0.0250	0.0251	0.0254	100	102	75.0-120			1.26	20
p-Isopropyltoluene	0.0250	0.0255	0.0263	102	105	74.0-125			3.09	20
2-Butanone (MEK)	0.125	0.112	0.108	89.8	86.8	37.0-159			3.39	20
Methylene Chloride	0.0250	0.0244	0.0238	97.7	95.2	67.0-123			2.60	20
4-Methyl-2-pentanone (MIBK)	0.125	0.107	0.117	85.5	93.5	60.0-144			9.01	20
Methyl tert-butyl ether	0.0250	0.0241	0.0234	96.6	93.6	66.0-125			3.06	20
Naphthalene	0.0250	0.0255	0.0275	102	110	64.0-125			7.60	20
n-Propylbenzene	0.0250	0.0243	0.0248	97.2	99.3	78.0-120			2.08	20
Styrene	0.0250	0.0248	0.0262	99.4	105	78.0-124			5.28	20
1,1,1,2-Tetrachloroethane	0.0250	0.0271	0.0279	109	112	74.0-124			2.72	20
1,1,2,2-Tetrachloroethane	0.0250	0.0249	0.0256	99.6	102	73.0-120			2.74	20
Tetrachloroethene	0.0250	0.0283	0.0299	113	120	70.0-127			5.63	20
Toluene	0.0250	0.0261	0.0273	104	109	77.0-120			4.49	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0277	0.0263	111	105	64.0-135			5.14	20
1,2,3-Trichlorobenzene	0.0250	0.0250	0.0269	99.9	107	68.0-126			7.25	20
1,2,4-Trichlorobenzene	0.0250	0.0250	0.0272	100	109	70.0-127			8.28	20
1,1,1-Trichloroethane	0.0250	0.0254	0.0255	102	102	69.0-125			0.360	20
1,1,2-Trichloroethane	0.0250	0.0269	0.0280	108	112	78.0-120			4.03	20
Trichloroethene	0.0250	0.0264	0.0257	105	103	79.0-120			2.35	20
Trichlorofluoromethane	0.0250	0.0275	0.0271	110	108	59.0-136			1.52	20
1,2,3-Trichloropropane	0.0250	0.0275	0.0276	110	111	73.0-124			0.640	20
1,2,3-Trimethylbenzene	0.0250	0.0230	0.0237	92.1	94.9	76.0-120			2.94	20
Vinyl acetate	0.125	0.108	0.106	86.7	84.6	58.0-156			2.40	20
1,2,4-Trimethylbenzene	0.0250	0.0235	0.0241	93.9	96.3	75.0-120			2.51	20
1,3,5-Trimethylbenzene	0.0250	0.0249	0.0257	99.6	103	75.0-120			3.23	20
Vinyl chloride	0.0250	0.0236	0.0233	94.5	93.4	63.0-134			1.18	20
Xylenes, Total	0.0750	0.0795	0.0846	106	113	77.0-120			6.22	20
(S) Toluene-d8				*103*	*107*	*80.0-120*				
(S) Dibromofluoromethane				*100*	*97.4*	*74.0-131*				
(S) 4-Bromofluorobenzene				*90.9*	*92.2*	*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
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.

ACCREDITATIONS & LOCATIONS

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.

State Accreditations

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

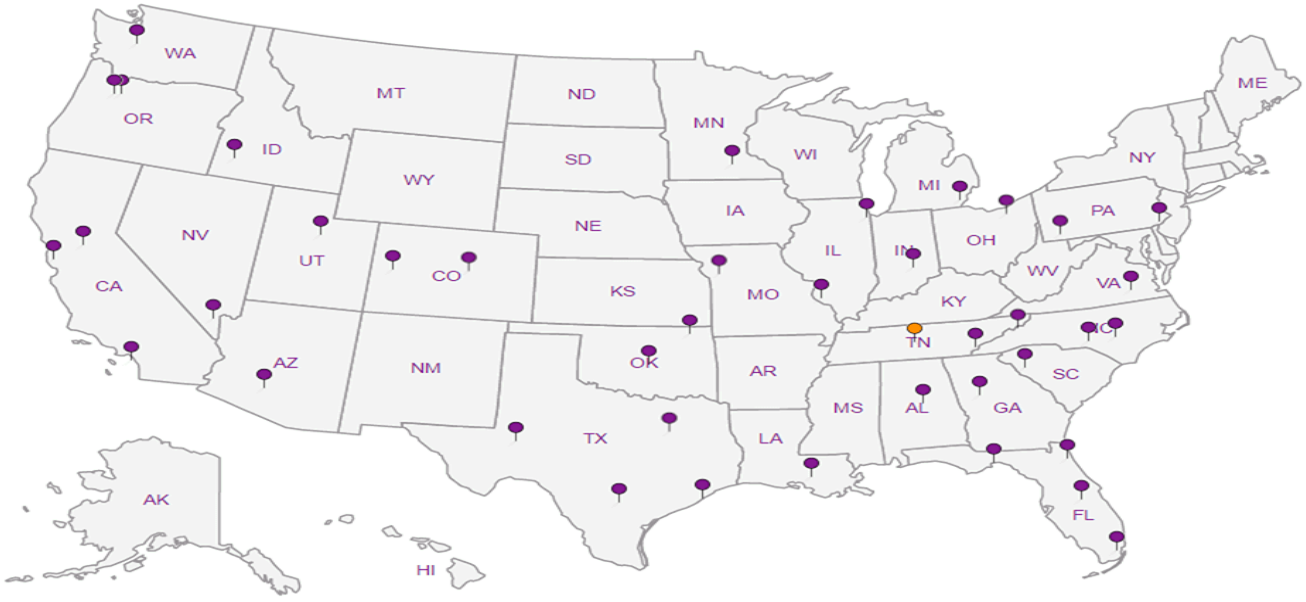
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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: **Bill Haldeman**

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

Project Description: **American Linen Project**

City/State Collected:

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

Client Project # 1413.001.02.602

Lab Project # **PESENVSWA-ALP**

Collected by (print): Karsten Springstead / HANNON McKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B-219-80	Grab	SS	80	8/28/17	1610	4			X	X			-01
MW-136-50		SS	50		1605	4			X	X			-02
MW-136-65		SS	65		1730	4			X	X			-03
MW-134-20		~~SS~~ GW	20	8/29/17	850	~~5~~ 4	X		X	X	*		-04
MW-136-75		~~SS~~ GW	75		830	~~5~~ 4			X	X	*		-05
MW-136-85		~~SS~~ GW	85		840	~~5~~ 4			X	X	*		-06
MW-136-95		SS	95		915	4			X	X			-07
MW-134-40		SS	40		940	5	X		X	X		HOLD	
MW-134-43		SS	43		1015	5	X		X	X			-08
MW-134-50		SS	50		1020	5	X		X	X			-09

* 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 # 7474 0921 0220

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
	8/29/17	1645		1X
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7 °C Bottles Received: 70
				If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/30/17 Time: 0845
			Chi Ward	8-193

Condition: NCF / OK

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# L932876
D216

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
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	Fres Chk
Report to: Bill Haldeman	Email To: bhaldeman@pesenv.com	

Project Description: American Linen Project — City/State Collected:

Phone: 206-529-3980 Fax: 206-529-3985 — Client Project # 1413.001.02.602 — Lab Project # PESENVSWA-ALP

Collected by (print): Kaster Sprengsteel — Site/Facility ID # 1413.001.02.602 — P.O. # 1413.001.02.602

Collected by (signature): SHANNON MCKEENAN — 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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-134-60	Grab	SS	60	8/29/17	1120	5	X	X	X	X	X		-10
MW-134-70		SS	70		1200	5	X	X	X	X	X		-11
MW-134-80		SS	80		1400	5	X	X	X	X	X		-12
B-903-100		SS	100		1355	5*	X		X	X			-13
MW-134-90		SS	90		1535	5*	X		X	X			-14
BLANK-082917	NA	NA SS	NA	8/8/17	NA	1*			X	X	X		-15
B-		SS				4			X	X			
B-		SS				4			X	X			
B-		SS				4			X	X			
B-		SS				4			X	X			

Analysis / Container / Preservative

Chain of Custody Page 2 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# 930876
Table #
Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
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 __ 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: 8/29/17	Time: 1645	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR: 1X	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7 °C Bottles Received: 70	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/30/17 Time: 0845	Hold: Condition: NCF OK

MEMORANDUM

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

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: August 28-29, 2017 – Soil Samples

LAB: ESC Lab ID L932876

Fifteen (15) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on August 28-29, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. One soil sample was placed on hold. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L932876. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in X# ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L934130, L934673, L934916, and). The quality assurance review of the sample data associated with SDG L932876 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on August 28-29, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 1.7 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils from the date of sample 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 soils and preserved waters from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids. Holding time criteria were not met:

- Soil samples were collected on August 28-29, 2017 and measured for percent solids on September 6, 2017. This is slightly beyond the recommended seven day hold. No action is taken in this case as samples were appropriately preserved and it is unlikely that the holding time exceedances significantly impacted sample results.

Initial and Continuing Calibration

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, n-hexane, and methylene chloride associated with analytical batch WG1015700 (analyzed on August 31, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

- Analytical batch WG1018274: A low level of methylene chloride was detected below the reporting limit in the method blank analyzed on September 8, 2017. No action is taken as methylene chloride was not detected in the associated sample.

NWTPH-Gx Method:
Laboratory method blanks were included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blanks at or above the RDL.

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

Trip Blank Results

USEPA Method 8260C and NWTPH-Gx:
A trip blank was collected and submitted for analysis. The target analytes (VOCs) were not detected in the trip blank at or above the reported detection limits (RDLs) with the following exception:

- A low level of acetone was detected below the reporting limit in the trip blank. **All associated acetone detections are less than respective reporting limits and are 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 (MW-134-80 and B-903-100) results are comparable and less than 30% RPD with the following exceptions:

- Field duplicate RPD results for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride are greater than 30%. **Samples MW-134-80 and B-903-100 results for the above mentioned compounds are estimated and qualified (J).**

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 LCS/LCSDs or MS/MSDs results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on a non-client sample, and client samples B-219-80 and MW-134-70. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSD, 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 soils.

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils.

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 within one of the analytical batches. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils with the following exceptions:

- MS/MSD (Batch WG1015700) RPDs and % Rs are outside of laboratory criteria for multiple compounds. Since this spike was performed on a non-client sample within one of the analytical batches no action will be taken. Refer to LCS/LCSD results for accuracy and precision data.

NWTPH-Gx Method:
MS/MSDs were analyzed by the NWTPH-Gx method on a non-client sample within the analytical batches. The MS/MSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Samples B-219-80 and MW-136-50 were not reanalyzed at a lower dilution as there were no low level sodium bisulfite vials remaining for these samples. No action was taken other than to note this.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC/MS) 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	0.0543	1	08/31/2017 18:02	WG1015700
Acrylonitrile	U		0.00194	0.0109	1	08/31/2017 18:02	WG1015700
Benzene	U		0.000293	0.00109	1	08/31/2017 18:02	WG1015700
Bromobenzene	U		0.000308	0.00109	1	08/31/2017 18:02	WG1015700
Bromodichloromethane	U		0.000276	0.00109	1	08/31/2017 18:02	WG1015700
Bromochloromethane	U		0.000424	0.00543	1	08/31/2017 18:02	WG1015700
Bromoform	U		0.000461	0.00109	1	08/31/2017 18:02	WG1015700
Bromomethane	U		0.00146	0.00543	1	08/31/2017 18:02	WG1015700
n-Butylbenzene	U		0.000280	0.00109	1	08/31/2017 18:02	WG1015700
sec-Butylbenzene	U		0.000218	0.00109	1	08/31/2017 18:02	WG1015700
tert-Butylbenzene	U		0.000224	0.00109	1	08/31/2017 18:02	WG1015700
Carbon disulfide	0.000358 J	J	0.000240	0.00109	1	08/31/2017 18:02	WG1015700
Carbon tetrachloride	U		0.00891	0.0272	25	09/06/2017 19:24	WG1015700
Chlorobenzene	U		0.000230	0.00109	1	08/31/2017 18:02	WG1015700
Chlorodibromomethane	U		0.000405	0.00109	1	08/31/2017 18:02	WG1015700
Chloroethane	U		0.00103	0.00543	1	08/31/2017 18:02	WG1015700
Chloroform	U		0.000249	0.00543	1	08/31/2017 18:02	WG1015700
Chloromethane	U		0.0102	0.0679	25	09/06/2017 19:24	WG1015700
2-Chlorotoluene	U		0.000327	0.00109	1	08/31/2017 18:02	WG1015700
4-Chlorotoluene	U		0.000261	0.00109	1	08/31/2017 18:02	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	08/31/2017 18:02	WG1015700
1,2-Dibromoethane	U		0.000373	0.00109	1	08/31/2017 18:02	WG1015700
Dibromomethane	U		0.000415	0.00109	1	08/31/2017 18:02	WG1015700
1,2-Dichlorobenzene	U		0.000331	0.00109	1	08/31/2017 18:02	WG1015700
1,3-Dichlorobenzene	U		0.000260	0.00109	1	08/31/2017 18:02	WG1015700
1,4-Dichlorobenzene	U		0.000245	0.00109	1	08/31/2017 18:02	WG1015700
Dichlorodifluoromethane	U		0.000774	0.00543	1	08/31/2017 18:02	WG1015700
1,1-Dichloroethane	U		0.000216	0.00109	1	08/31/2017 18:02	WG1015700
1,2-Dichloroethane	U		0.000288	0.00109	1	08/31/2017 18:02	WG1015700
1,1-Dichloroethene	U		0.000329	0.00109	1	08/31/2017 18:02	WG1015700
cis-1,2-Dichloroethene	U		0.00639	0.0272	25	09/06/2017 19:24	WG1015700
trans-1,2-Dichloroethene	U		0.00717	0.0272	25	09/06/2017 19:24	WG1015700
1,2-Dichloropropane	U		0.000389	0.00109	1	08/31/2017 18:02	WG1015700
1,1-Dichloropropene	U		0.000344	0.00109	1	08/31/2017 18:02	WG1015700
1,3-Dichloropropane	U		0.000225	0.00109	1	08/31/2017 18:02	WG1015700
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	08/31/2017 18:02	WG1015700
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	08/31/2017 18:02	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000845	0.00272	1	08/31/2017 18:02	WG1015700
2,2-Dichloropropane	U		0.00758	0.0272	25	09/06/2017 19:24	WG1015700
Di-isopropyl ether	U		0.00673	0.0272	25	09/06/2017 19:24	WG1015700
Ethylbenzene	U		0.000323	0.00109	1	08/31/2017 18:02	WG1015700
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	08/31/2017 18:02	WG1015700
2-Hexanone	U		0.00149	0.0109	1	08/31/2017 18:02	WG1015700
n-Hexane	0.00111 J	J J0	0.000315	0.0109	1	08/31/2017 18:02	WG1015700
Iodomethane	U		0.00275	0.0109	1	08/31/2017 18:02	WG1015700
Isopropylbenzene	U		0.000264	0.00109	1	08/31/2017 18:02	WG1015700
p-Isopropyltoluene	U		0.000222	0.00109	1	08/31/2017 18:02	WG1015700
2-Butanone (MEK)	U		0.00508	0.0109	1	08/31/2017 18:02	WG1015700
Methylene Chloride	U UJ	J0	0.00109	0.00543	1	08/31/2017 18:02	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	08/31/2017 18:02	WG1015700

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

Analyte	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	08/31/2017 18:02	WG1015700
Naphthalene	U		0.00109	0.00543	1	08/31/2017 18:02	WG1015700
n-Propylbenzene	U		0.000224	0.00109	1	08/31/2017 18:02	WG1015700
Styrene	U		0.000254	0.00109	1	08/31/2017 18:02	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	08/31/2017 18:02	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	08/31/2017 18:02	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	08/31/2017 18:02	WG1015700
Tetrachloroethene	U		0.000300	0.00109	1	08/31/2017 18:02	WG1015700
Toluene	U		0.000471	0.00543	1	08/31/2017 18:02	WG1015700
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	08/31/2017 18:02	WG1015700
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	08/31/2017 18:02	WG1015700
1,1,1-Trichloroethane	U		0.00777	0.0272	25	09/06/2017 19:24	WG1015700
1,1,2-Trichloroethane	U		0.000301	0.00109	1	08/31/2017 18:02	WG1015700
Trichloroethene	U		0.000303	0.00109	1	08/31/2017 18:02	WG1015700
Trichlorofluoromethane	U		0.000415	0.00543	1	08/31/2017 18:02	WG1015700
1,2,3-Trichloropropane	U		0.000805	0.00272	1	08/31/2017 18:02	WG1015700
1,2,4-Trimethylbenzene	U		0.00573	0.0272	25	09/07/2017 13:18	WG1015700
1,2,3-Trimethylbenzene	U		0.00780	0.0272	25	09/07/2017 13:18	WG1015700
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	08/31/2017 18:02	WG1015700
Vinyl acetate	U		0.00260	0.0109	1	08/31/2017 18:02	WG1015700
Vinyl chloride	U		0.000316	0.00109	1	08/31/2017 18:02	WG1015700
Xylenes, Total	U		0.000758	0.00326	1	08/31/2017 18:02	WG1015700
(S) Toluene-d8	*99.5*			*80.0-120*		*08/31/2017 18:02*	WG1015700
(S) Toluene-d8	*107*			*80.0-120*		*09/07/2017 13:18*	WG1015700
(S) Toluene-d8	*98.9*			*80.0-120*		*09/06/2017 19:24*	WG1015700
(S) Dibromofluoromethane	*96.0*			*74.0-131*		*08/31/2017 18:02*	WG1015700
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*09/07/2017 13:18*	WG1015700
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*09/06/2017 19:24*	WG1015700
(S) 4-Bromofluorobenzene	*87.6*			*64.0-132*		*08/31/2017 18:02*	WG1015700
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/06/2017 19:24*	WG1015700
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*09/07/2017 13:18*	WG1015700

Sample Narrative:

L932876-01 WG1015700: No low level sodium bisulfite vials remaining,

L932876-01 WG1015700: No low level sodium bisulfite vials remaining

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	09/06/2017 13:33	WG1017019

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0403 U	J J0	0.0115	0.0575	1	08/31/2017 18:22	WG1015700
Acrylonitrile	U		0.00206	0.0115	1	08/31/2017 18:22	WG1015700
Benzene	U		0.000311	0.00115	1	08/31/2017 18:22	WG1015700
Bromobenzene	U		0.000327	0.00115	1	08/31/2017 18:22	WG1015700
Bromodichloromethane	U		0.000292	0.00115	1	08/31/2017 18:22	WG1015700
Bromochloromethane	U		0.000449	0.00575	1	08/31/2017 18:22	WG1015700
Bromoform	U		0.000488	0.00115	1	08/31/2017 18:22	WG1015700
Bromomethane	U		0.00154	0.00575	1	08/31/2017 18:22	WG1015700
n-Butylbenzene	U		0.000297	0.00115	1	08/31/2017 18:22	WG1015700
sec-Butylbenzene	U		0.000231	0.00115	1	08/31/2017 18:22	WG1015700
tert-Butylbenzene	U		0.000237	0.00115	1	08/31/2017 18:22	WG1015700
Carbon disulfide	0.00138		0.000254	0.00115	1	08/31/2017 18:22	WG1015700
Carbon tetrachloride	U		0.00944	0.0288	25	09/06/2017 19:50	WG1015700
Chlorobenzene	U		0.000244	0.00115	1	08/31/2017 18:22	WG1015700
Chlorodibromomethane	U		0.000429	0.00115	1	08/31/2017 18:22	WG1015700
Chloroethane	U		0.00109	0.00575	1	08/31/2017 18:22	WG1015700
Chloroform	U		0.000264	0.00575	1	08/31/2017 18:22	WG1015700
Chloromethane	U		0.0108	0.0719	25	09/06/2017 19:50	WG1015700
2-Chlorotoluene	U		0.000346	0.00115	1	08/31/2017 18:22	WG1015700
4-Chlorotoluene	U		0.000276	0.00115	1	08/31/2017 18:22	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00575	1	08/31/2017 18:22	WG1015700
1,2-Dibromoethane	U		0.000395	0.00115	1	08/31/2017 18:22	WG1015700
Dibromomethane	U		0.000440	0.00115	1	08/31/2017 18:22	WG1015700
1,2-Dichlorobenzene	U		0.000351	0.00115	1	08/31/2017 18:22	WG1015700
1,3-Dichlorobenzene	U		0.000275	0.00115	1	08/31/2017 18:22	WG1015700
1,4-Dichlorobenzene	U		0.000260	0.00115	1	08/31/2017 18:22	WG1015700
Dichlorodifluoromethane	U		0.000820	0.00575	1	08/31/2017 18:22	WG1015700
1,1-Dichloroethane	U		0.000229	0.00115	1	08/31/2017 18:22	WG1015700
1,2-Dichloroethane	U		0.000305	0.00115	1	08/31/2017 18:22	WG1015700
1,1-Dichloroethene	U		0.000349	0.00115	1	08/31/2017 18:22	WG1015700
cis-1,2-Dichloroethene	U		0.00677	0.0288	25	09/06/2017 19:50	WG1015700
trans-1,2-Dichloroethene	U		0.00759	0.0288	25	09/06/2017 19:50	WG1015700
1,2-Dichloropropane	U		0.000412	0.00115	1	08/31/2017 18:22	WG1015700
1,1-Dichloropropene	U		0.000365	0.00115	1	08/31/2017 18:22	WG1015700
1,3-Dichloropropane	U		0.000238	0.00115	1	08/31/2017 18:22	WG1015700
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	08/31/2017 18:22	WG1015700
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	08/31/2017 18:22	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000895	0.00288	1	08/31/2017 18:22	WG1015700
2,2-Dichloropropane	U		0.00803	0.0288	25	09/06/2017 19:50	WG1015700
Di-isopropyl ether	U		0.00713	0.0288	25	09/06/2017 19:50	WG1015700
Ethylbenzene	U		0.000342	0.00115	1	08/31/2017 18:22	WG1015700
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	08/31/2017 18:22	WG1015700
2-Hexanone	U		0.00158	0.0115	1	08/31/2017 18:22	WG1015700
n-Hexane	0.000453 J	J J0	0.000334	0.0115	1	08/31/2017 18:22	WG1015700
Iodomethane	U		0.00291	0.0115	1	08/31/2017 18:22	WG1015700
Isopropylbenzene	U		0.000280	0.00115	1	08/31/2017 18:22	WG1015700
p-Isopropyltoluene	U		0.000235	0.00115	1	08/31/2017 18:22	WG1015700
2-Butanone (MEK)	0.0103 J	J	0.00539	0.0115	1	08/31/2017 18:22	WG1015700
Methylene Chloride	U UJ	J0	0.00115	0.00575	1	08/31/2017 18:22	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	08/31/2017 18:22	WG1015700

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

Analyte	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	08/31/2017 18:22	WG1015700
Naphthalene	U		0.00115	0.00575	1	08/31/2017 18:22	WG1015700
n-Propylbenzene	U		0.000237	0.00115	1	08/31/2017 18:22	WG1015700
Styrene	U		0.000269	0.00115	1	08/31/2017 18:22	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	08/31/2017 18:22	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	08/31/2017 18:22	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	08/31/2017 18:22	WG1015700
Tetrachloroethene	U		0.000318	0.00115	1	08/31/2017 18:22	WG1015700
Toluene	U		0.000499	0.00575	1	08/31/2017 18:22	WG1015700
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	08/31/2017 18:22	WG1015700
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	08/31/2017 18:22	WG1015700
1,1,1-Trichloroethane	U		0.00823	0.0288	25	09/06/2017 19:50	WG1015700
1,1,2-Trichloroethane	U		0.000319	0.00115	1	08/31/2017 18:22	WG1015700
Trichloroethene	U		0.000321	0.00115	1	08/31/2017 18:22	WG1015700
Trichlorofluoromethane	U		0.000440	0.00575	1	08/31/2017 18:22	WG1015700
1,2,3-Trichloropropane	U		0.000853	0.00288	1	08/31/2017 18:22	WG1015700
1,2,4-Trimethylbenzene	U		0.00608	0.0288	25	09/06/2017 19:50	WG1015700
1,2,3-Trimethylbenzene	U		0.00826	0.0288	25	09/06/2017 19:50	WG1015700
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	08/31/2017 18:22	WG1015700
Vinyl acetate	U		0.00275	0.0115	1	08/31/2017 18:22	WG1015700
Vinyl chloride	U		0.000335	0.00115	1	08/31/2017 18:22	WG1015700
Xylenes, Total	U		0.000803	0.00345	1	08/31/2017 18:22	WG1015700
(S) Toluene-d8	*86.6*			*80.0-120*		*09/06/2017 19:50*	WG1015700
(S) Toluene-d8	*99.6*			*80.0-120*		*08/31/2017 18:22*	WG1015700
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*09/06/2017 19:50*	WG1015700
(S) Dibromofluoromethane	*95.5*			*74.0-131*		*08/31/2017 18:22*	WG1015700
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/06/2017 19:50*	WG1015700
(S) 4-Bromofluorobenzene	*90.2*			*64.0-132*		*08/31/2017 18:22*	WG1015700

Sample Narrative:

L932876-02 WG1015700: No low level sodium bisulfite vials remaining

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	09/08/2017 13:40	WG1018225

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0178 U	J	0.0109	0.0544	1	09/08/2017 14:32	WG1018274
Acrylonitrile	U		0.00195	0.0109	1	09/08/2017 14:32	WG1018274
Benzene	0.000838 J	J	0.000294	0.00109	1	09/08/2017 14:32	WG1018274
Bromobenzene	U		0.000309	0.00109	1	09/08/2017 14:32	WG1018274
Bromodichloromethane	U		0.000276	0.00109	1	09/08/2017 14:32	WG1018274
Bromochloromethane	U		0.000424	0.00544	1	09/08/2017 14:32	WG1018274
Bromoform	U		0.000461	0.00109	1	09/08/2017 14:32	WG1018274
Bromomethane	U		0.00146	0.00544	1	09/08/2017 14:32	WG1018274
n-Butylbenzene	U		0.000281	0.00109	1	09/08/2017 14:32	WG1018274
sec-Butylbenzene	U		0.000219	0.00109	1	09/08/2017 14:32	WG1018274
tert-Butylbenzene	U		0.000224	0.00109	1	09/08/2017 14:32	WG1018274
Carbon disulfide	0.00256		0.000240	0.00109	1	09/08/2017 14:32	WG1018274
Carbon tetrachloride	U		0.000357	0.00109	1	09/08/2017 14:32	WG1018274
Chlorobenzene	U		0.000231	0.00109	1	09/08/2017 14:32	WG1018274
Chlorodibromomethane	U		0.000406	0.00109	1	09/08/2017 14:32	WG1018274
Chloroethane	U		0.00103	0.00544	1	09/08/2017 14:32	WG1018274
Chloroform	U		0.000249	0.00544	1	09/08/2017 14:32	WG1018274
Chloromethane	U		0.000408	0.00272	1	09/08/2017 14:32	WG1018274
2-Chlorotoluene	U		0.000327	0.00109	1	09/08/2017 14:32	WG1018274
4-Chlorotoluene	U		0.000261	0.00109	1	09/08/2017 14:32	WG1018274
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	09/08/2017 14:32	WG1018274
1,2-Dibromoethane	U		0.000373	0.00109	1	09/08/2017 14:32	WG1018274
Dibromomethane	U		0.000415	0.00109	1	09/08/2017 14:32	WG1018274
1,2-Dichlorobenzene	U		0.000332	0.00109	1	09/08/2017 14:32	WG1018274
1,3-Dichlorobenzene	U		0.000260	0.00109	1	09/08/2017 14:32	WG1018274
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/08/2017 14:32	WG1018274
Dichlorodifluoromethane	U		0.000775	0.00544	1	09/08/2017 14:32	WG1018274
1,1-Dichloroethane	U		0.000216	0.00109	1	09/08/2017 14:32	WG1018274
1,2-Dichloroethane	U		0.000288	0.00109	1	09/08/2017 14:32	WG1018274
1,1-Dichloroethene	U		0.000330	0.00109	1	09/08/2017 14:32	WG1018274
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	09/08/2017 14:32	WG1018274
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	09/08/2017 14:32	WG1018274
1,2-Dichloropropane	U		0.000389	0.00109	1	09/08/2017 14:32	WG1018274
1,1-Dichloropropene	U		0.000345	0.00109	1	09/08/2017 14:32	WG1018274
1,3-Dichloropropane	U		0.000225	0.00109	1	09/08/2017 14:32	WG1018274
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	09/08/2017 14:32	WG1018274
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	09/08/2017 14:32	WG1018274
trans-1,4-Dichloro-2-butene	U		0.000846	0.00272	1	09/08/2017 14:32	WG1018274
2,2-Dichloropropane	U		0.000303	0.00109	1	09/08/2017 14:32	WG1018274
Di-isopropyl ether	U		0.000270	0.00109	1	09/08/2017 14:32	WG1018274
Ethylbenzene	U		0.000323	0.00109	1	09/08/2017 14:32	WG1018274
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	09/08/2017 14:32	WG1018274
2-Hexanone	U		0.00149	0.0109	1	09/08/2017 14:32	WG1018274
n-Hexane	0.00387 J	J	0.000315	0.0109	1	09/08/2017 14:32	WG1018274
Iodomethane	U		0.00275	0.0109	1	09/08/2017 14:32	WG1018274
Isopropylbenzene	U		0.000264	0.00109	1	09/08/2017 14:32	WG1018274
p-Isopropyltoluene	U		0.000222	0.00109	1	09/08/2017 14:32	WG1018274
2-Butanone (MEK)	U		0.00509	0.0109	1	09/08/2017 14:32	WG1018274
Methylene Chloride	U		0.00109	0.00544	1	09/08/2017 14:32	WG1018274
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	09/08/2017 14:32	WG1018274

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

Analyte	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	09/08/2017 14:32	WG1018274
Naphthalene	U		0.00109	0.00544	1	09/08/2017 14:32	WG1018274
n-Propylbenzene	U		0.000224	0.00109	1	09/08/2017 14:32	WG1018274
Styrene	U		0.000254	0.00109	1	09/08/2017 14:32	WG1018274
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	09/08/2017 14:32	WG1018274
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	09/08/2017 14:32	WG1018274
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	09/08/2017 14:32	WG1018274
Tetrachloroethene	U		0.000300	0.00109	1	09/08/2017 14:32	WG1018274
Toluene	U		0.000472	0.00544	1	09/08/2017 14:32	WG1018274
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	09/08/2017 14:32	WG1018274
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	09/08/2017 14:32	WG1018274
1,1,1-Trichloroethane	U		0.000311	0.00109	1	09/08/2017 14:32	WG1018274
1,1,2-Trichloroethane	U		0.000301	0.00109	1	09/08/2017 14:32	WG1018274
Trichloroethene	U		0.000303	0.00109	1	09/08/2017 14:32	WG1018274
Trichlorofluoromethane	U		0.000415	0.00544	1	09/08/2017 14:32	WG1018274
1,2,3-Trichloropropane	U		0.000806	0.00272	1	09/08/2017 14:32	WG1018274
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	09/08/2017 14:32	WG1018274
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	09/08/2017 14:32	WG1018274
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	09/08/2017 14:32	WG1018274
Vinyl acetate	U		0.00260	0.0109	1	09/08/2017 14:32	WG1018274
Vinyl chloride	U		0.000316	0.00109	1	09/08/2017 14:32	WG1018274
Xylenes, Total	U		0.000759	0.00326	1	09/08/2017 14:32	WG1018274
(S) Toluene-d8	*101*			*80.0-120*		*09/08/2017 14:32*	WG1018274
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/08/2017 14:32*	WG1018274
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/08/2017 14:32*	WG1018274

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.0		1	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.12	3.29	25	09/08/2017 12:23	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*77.0-120*		*09/08/2017 12:23*	WG1017991

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0219 U	J JO	0.0132	0.0658	1	08/31/2017 18:43	WG1015700
Acrylonitrile	U		0.00236	0.0132	1	08/31/2017 18:43	WG1015700
Benzene	0.00197		0.000355	0.00132	1	08/31/2017 18:43	WG1015700
Bromobenzene	U		0.000374	0.00132	1	08/31/2017 18:43	WG1015700
Bromodichloromethane	U		0.000334	0.00132	1	08/31/2017 18:43	WG1015700
Bromochloromethane	U		0.000513	0.00658	1	08/31/2017 18:43	WG1015700
Bromoform	U		0.000558	0.00132	1	08/31/2017 18:43	WG1015700
Bromomethane	U		0.00176	0.00658	1	08/31/2017 18:43	WG1015700
n-Butylbenzene	U		0.000340	0.00132	1	08/31/2017 18:43	WG1015700
sec-Butylbenzene	U		0.000265	0.00132	1	08/31/2017 18:43	WG1015700
tert-Butylbenzene	U		0.000271	0.00132	1	08/31/2017 18:43	WG1015700
Carbon disulfide	0.000769 J	J	0.000291	0.00132	1	08/31/2017 18:43	WG1015700
Carbon tetrachloride	U		0.000432	0.00132	1	09/06/2017 20:16	WG1015700
Chlorobenzene	U		0.000279	0.00132	1	08/31/2017 18:43	WG1015700
Chlorodibromomethane	U		0.000491	0.00132	1	08/31/2017 18:43	WG1015700
Chloroethane	U		0.00124	0.00658	1	08/31/2017 18:43	WG1015700
Chloroform	U		0.000301	0.00658	1	08/31/2017 18:43	WG1015700
Chloromethane	U		0.000494	0.00329	1	09/06/2017 20:16	WG1015700
2-Chlorotoluene	U		0.000396	0.00132	1	08/31/2017 18:43	WG1015700
4-Chlorotoluene	U		0.000316	0.00132	1	08/31/2017 18:43	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00138	0.00658	1	08/31/2017 18:43	WG1015700
1,2-Dibromoethane	U		0.000451	0.00132	1	08/31/2017 18:43	WG1015700
Dibromomethane	U		0.000503	0.00132	1	08/31/2017 18:43	WG1015700
1,2-Dichlorobenzene	U		0.000401	0.00132	1	08/31/2017 18:43	WG1015700
1,3-Dichlorobenzene	U		0.000315	0.00132	1	08/31/2017 18:43	WG1015700
1,4-Dichlorobenzene	U		0.000297	0.00132	1	08/31/2017 18:43	WG1015700
Dichlorodifluoromethane	U		0.000938	0.00658	1	08/31/2017 18:43	WG1015700
1,1-Dichloroethane	U		0.000262	0.00132	1	08/31/2017 18:43	WG1015700
1,2-Dichloroethane	U		0.000349	0.00132	1	08/31/2017 18:43	WG1015700
1,1-Dichloroethene	U		0.000399	0.00132	1	08/31/2017 18:43	WG1015700
cis-1,2-Dichloroethene	U		0.000309	0.00132	1	09/06/2017 20:16	WG1015700
trans-1,2-Dichloroethene	U		0.000347	0.00132	1	09/06/2017 20:16	WG1015700
1,2-Dichloropropane	U		0.000471	0.00132	1	08/31/2017 18:43	WG1015700
1,1-Dichloropropene	U		0.000417	0.00132	1	08/31/2017 18:43	WG1015700
1,3-Dichloropropane	U		0.000272	0.00132	1	08/31/2017 18:43	WG1015700
cis-1,3-Dichloropropene	U		0.000345	0.00132	1	08/31/2017 18:43	WG1015700
trans-1,3-Dichloropropene	U		0.000351	0.00132	1	08/31/2017 18:43	WG1015700
trans-1,4-Dichloro-2-butene	U		0.00102	0.00329	1	08/31/2017 18:43	WG1015700
2,2-Dichloropropane	U		0.000367	0.00132	1	09/06/2017 20:16	WG1015700
Di-isopropyl ether	U		0.000326	0.00132	1	09/06/2017 20:16	WG1015700
Ethylbenzene	U		0.000391	0.00132	1	08/31/2017 18:43	WG1015700
Hexachloro-1,3-butadiene	U		0.000450	0.00132	1	08/31/2017 18:43	WG1015700
2-Hexanone	U		0.00180	0.0132	1	08/31/2017 18:43	WG1015700
n-Hexane	U UJ	JO	0.000382	0.0132	1	08/31/2017 18:43	WG1015700

Volatile Organic Compounds (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		0.00333	0.0132	1	08/31/2017 18:43	WG1015700
Isopropylbenzene	U		0.000320	0.00132	1	08/31/2017 18:43	WG1015700
p-Isopropyltoluene	U		0.000268	0.00132	1	08/31/2017 18:43	WG1015700
2-Butanone (MEK)	U		0.00616	0.0132	1	08/31/2017 18:43	WG1015700
Methylene Chloride	U	UJ J0	0.00132	0.00658	1	08/31/2017 18:43	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00247	0.0132	1	08/31/2017 18:43	WG1015700
Methyl tert-butyl ether	U		0.000279	0.00132	1	08/31/2017 18:43	WG1015700
Naphthalene	U		0.00132	0.00658	1	08/31/2017 18:43	WG1015700
n-Propylbenzene	U		0.000271	0.00132	1	08/31/2017 18:43	WG1015700
Styrene	U		0.000308	0.00132	1	08/31/2017 18:43	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000347	0.00132	1	08/31/2017 18:43	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000480	0.00132	1	08/31/2017 18:43	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000480	0.00132	1	08/31/2017 18:43	WG1015700
Tetrachloroethene	U		0.000363	0.00132	1	08/31/2017 18:43	WG1015700
Toluene	U		0.000571	0.00658	1	08/31/2017 18:43	WG1015700
1,2,3-Trichlorobenzene	U		0.000403	0.00132	1	08/31/2017 18:43	WG1015700
1,2,4-Trichlorobenzene	U		0.000511	0.00132	1	08/31/2017 18:43	WG1015700
1,1,1-Trichloroethane	U		0.000376	0.00132	1	09/06/2017 20:16	WG1015700
1,1,2-Trichloroethane	U		0.000365	0.00132	1	08/31/2017 18:43	WG1015700
Trichloroethene	U		0.000367	0.00132	1	08/31/2017 18:43	WG1015700
Trichlorofluoromethane	U		0.000503	0.00658	1	08/31/2017 18:43	WG1015700
1,2,3-Trichloropropane	U		0.000975	0.00329	1	08/31/2017 18:43	WG1015700
1,2,4-Trimethylbenzene	U		0.000278	0.00132	1	09/06/2017 20:16	WG1015700
1,2,3-Trimethylbenzene	U		0.000378	0.00132	1	09/06/2017 20:16	WG1015700
1,3,5-Trimethylbenzene	U		0.000350	0.00132	1	08/31/2017 18:43	WG1015700
Vinyl acetate	U		0.00315	0.0132	1	08/31/2017 18:43	WG1015700
Vinyl chloride	U		0.000383	0.00132	1	08/31/2017 18:43	WG1015700
Xylenes, Total	U		0.000919	0.00395	1	08/31/2017 18:43	WG1015700
(S) Toluene-d8	*95.0*			*80.0-120*		*09/06/2017 20:16*	WG1015700
(S) Toluene-d8	*100*			*80.0-120*		*08/31/2017 18:43*	WG1015700
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/06/2017 20:16*	WG1015700
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*08/31/2017 18:43*	WG1015700
(S) 4-Bromofluorobenzene	*88.9*			*64.0-132*		*08/31/2017 18:43*	WG1015700
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/06/2017 20:16*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC/MS) 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	08/31/2017 19:04	WG1015700
Acrylonitrile	U		0.00199	0.0111	1	08/31/2017 19:04	WG1015700
Benzene	U		0.000300	0.00111	1	08/31/2017 19:04	WG1015700
Bromobenzene	U		0.000315	0.00111	1	08/31/2017 19:04	WG1015700
Bromodichloromethane	U		0.000282	0.00111	1	08/31/2017 19:04	WG1015700
Bromochloromethane	U		0.000433	0.00555	1	08/31/2017 19:04	WG1015700
Bromoform	U		0.000471	0.00111	1	08/31/2017 19:04	WG1015700
Bromomethane	U		0.00149	0.00555	1	08/31/2017 19:04	WG1015700
n-Butylbenzene	U		0.000287	0.00111	1	08/31/2017 19:04	WG1015700
sec-Butylbenzene	U		0.000223	0.00111	1	08/31/2017 19:04	WG1015700
tert-Butylbenzene	U		0.000229	0.00111	1	08/31/2017 19:04	WG1015700
Carbon disulfide	0.000260 J	J	0.000246	0.00111	1	08/31/2017 19:04	WG1015700
Carbon tetrachloride	U		0.000364	0.00111	1	09/06/2017 20:41	WG1015700
Chlorobenzene	U		0.000236	0.00111	1	08/31/2017 19:04	WG1015700
Chlorodibromomethane	U		0.000414	0.00111	1	08/31/2017 19:04	WG1015700
Chloroethane	U		0.00105	0.00555	1	08/31/2017 19:04	WG1015700
Chloroform	U		0.000254	0.00555	1	08/31/2017 19:04	WG1015700
Chloromethane	U		0.000417	0.00278	1	09/06/2017 20:41	WG1015700
2-Chlorotoluene	U		0.000334	0.00111	1	08/31/2017 19:04	WG1015700
4-Chlorotoluene	U		0.000267	0.00111	1	08/31/2017 19:04	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	08/31/2017 19:04	WG1015700
1,2-Dibromoethane	U		0.000381	0.00111	1	08/31/2017 19:04	WG1015700
Dibromomethane	U		0.000424	0.00111	1	08/31/2017 19:04	WG1015700
1,2-Dichlorobenzene	U		0.000339	0.00111	1	08/31/2017 19:04	WG1015700
1,3-Dichlorobenzene	U		0.000266	0.00111	1	08/31/2017 19:04	WG1015700
1,4-Dichlorobenzene	U		0.000251	0.00111	1	08/31/2017 19:04	WG1015700
Dichlorodifluoromethane	U		0.000792	0.00555	1	08/31/2017 19:04	WG1015700
1,1-Dichloroethane	U		0.000221	0.00111	1	08/31/2017 19:04	WG1015700
1,2-Dichloroethane	U		0.000294	0.00111	1	08/31/2017 19:04	WG1015700
1,1-Dichloroethene	U		0.000337	0.00111	1	08/31/2017 19:04	WG1015700
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	09/06/2017 20:41	WG1015700
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/06/2017 20:41	WG1015700
1,2-Dichloropropane	U		0.000398	0.00111	1	08/31/2017 19:04	WG1015700
1,1-Dichloropropene	U		0.000352	0.00111	1	08/31/2017 19:04	WG1015700
1,3-Dichloropropane	U		0.000230	0.00111	1	08/31/2017 19:04	WG1015700
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	08/31/2017 19:04	WG1015700
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	08/31/2017 19:04	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000864	0.00278	1	08/31/2017 19:04	WG1015700
2,2-Dichloropropane	U		0.000310	0.00111	1	09/06/2017 20:41	WG1015700
Di-isopropyl ether	U		0.000276	0.00111	1	09/06/2017 20:41	WG1015700
Ethylbenzene	U		0.000330	0.00111	1	08/31/2017 19:04	WG1015700
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	08/31/2017 19:04	WG1015700
2-Hexanone	U		0.00152	0.0111	1	08/31/2017 19:04	WG1015700
n-Hexane	U UJ	J0	0.000322	0.0111	1	08/31/2017 19:04	WG1015700
Iodomethane	U		0.00281	0.0111	1	08/31/2017 19:04	WG1015700
Isopropylbenzene	U		0.000270	0.00111	1	08/31/2017 19:04	WG1015700
p-Isopropyltoluene	U		0.000227	0.00111	1	08/31/2017 19:04	WG1015700
2-Butanone (MEK)	U		0.00520	0.0111	1	08/31/2017 19:04	WG1015700
Methylene Chloride	U UJ	J0	0.00111	0.00555	1	08/31/2017 19:04	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	08/31/2017 19:04	WG1015700

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

Analyte	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	08/31/2017 19:04	WG1015700
Naphthalene	U		0.00111	0.00555	1	08/31/2017 19:04	WG1015700
n-Propylbenzene	U		0.000229	0.00111	1	08/31/2017 19:04	WG1015700
Styrene	U		0.000260	0.00111	1	08/31/2017 19:04	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	08/31/2017 19:04	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	08/31/2017 19:04	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	08/31/2017 19:04	WG1015700
Tetrachloroethene	U		0.000307	0.00111	1	08/31/2017 19:04	WG1015700
Toluene	U		0.000482	0.00555	1	08/31/2017 19:04	WG1015700
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	08/31/2017 19:04	WG1015700
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	08/31/2017 19:04	WG1015700
1,1,1-Trichloroethane	U		0.000318	0.00111	1	09/06/2017 20:41	WG1015700
1,1,2-Trichloroethane	U		0.000308	0.00111	1	08/31/2017 19:04	WG1015700
Trichloroethene	U		0.000310	0.00111	1	08/31/2017 19:04	WG1015700
Trichlorofluoromethane	U		0.000424	0.00555	1	08/31/2017 19:04	WG1015700
1,2,3-Trichloropropane	U		0.000823	0.00278	1	08/31/2017 19:04	WG1015700
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/06/2017 20:41	WG1015700
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	09/06/2017 20:41	WG1015700
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	08/31/2017 19:04	WG1015700
Vinyl acetate	U		0.00266	0.0111	1	08/31/2017 19:04	WG1015700
Vinyl chloride	U		0.000323	0.00111	1	08/31/2017 19:04	WG1015700
Xylenes, Total	U		0.000775	0.00333	1	08/31/2017 19:04	WG1015700
(S) Toluene-d8	*94.6*			*80.0-120*		*09/06/2017 20:41*	WG1015700
(S) Toluene-d8	*98.5*			*80.0-120*		*08/31/2017 19:04*	WG1015700
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/06/2017 20:41*	WG1015700
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*08/31/2017 19:04*	WG1015700
(S) 4-Bromofluorobenzene	*89.6*			*64.0-132*		*08/31/2017 19:04*	WG1015700
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/06/2017 20:41*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC/MS) 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	08/31/2017 19:24	WG1015700
Acrylonitrile	U		0.00200	0.0112	1	08/31/2017 19:24	WG1015700
Benzene	U		0.000301	0.00112	1	08/31/2017 19:24	WG1015700
Bromobenzene	U		0.000317	0.00112	1	08/31/2017 19:24	WG1015700
Bromodichloromethane	U		0.000284	0.00112	1	08/31/2017 19:24	WG1015700
Bromochloromethane	U		0.000435	0.00558	1	08/31/2017 19:24	WG1015700
Bromoform	U		0.000473	0.00112	1	08/31/2017 19:24	WG1015700
Bromomethane	U		0.00150	0.00558	1	08/31/2017 19:24	WG1015700
n-Butylbenzene	U		0.000288	0.00112	1	08/31/2017 19:24	WG1015700
sec-Butylbenzene	U		0.000224	0.00112	1	08/31/2017 19:24	WG1015700
tert-Butylbenzene	U		0.000230	0.00112	1	08/31/2017 19:24	WG1015700
Carbon disulfide	0.000451 J	J	0.000247	0.00112	1	08/31/2017 19:24	WG1015700
Carbon tetrachloride	U		0.000366	0.00112	1	09/06/2017 21:08	WG1015700
Chlorobenzene	U		0.000237	0.00112	1	08/31/2017 19:24	WG1015700
Chlorodibromomethane	U		0.000416	0.00112	1	08/31/2017 19:24	WG1015700
Chloroethane	U		0.00106	0.00558	1	08/31/2017 19:24	WG1015700
Chloroform	U		0.000256	0.00558	1	08/31/2017 19:24	WG1015700
Chloromethane	U		0.000419	0.00279	1	09/06/2017 21:08	WG1015700
2-Chlorotoluene	U		0.000336	0.00112	1	08/31/2017 19:24	WG1015700
4-Chlorotoluene	U		0.000268	0.00112	1	08/31/2017 19:24	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00558	1	08/31/2017 19:24	WG1015700
1,2-Dibromoethane	U		0.000383	0.00112	1	08/31/2017 19:24	WG1015700
Dibromomethane	U		0.000426	0.00112	1	08/31/2017 19:24	WG1015700
1,2-Dichlorobenzene	U		0.000340	0.00112	1	08/31/2017 19:24	WG1015700
1,3-Dichlorobenzene	U		0.000267	0.00112	1	08/31/2017 19:24	WG1015700
1,4-Dichlorobenzene	U		0.000252	0.00112	1	08/31/2017 19:24	WG1015700
Dichlorodifluoromethane	U		0.000796	0.00558	1	08/31/2017 19:24	WG1015700
1,1-Dichloroethane	U		0.000222	0.00112	1	08/31/2017 19:24	WG1015700
1,2-Dichloroethane	U		0.000296	0.00112	1	08/31/2017 19:24	WG1015700
1,1-Dichloroethene	U		0.000338	0.00112	1	08/31/2017 19:24	WG1015700
cis-1,2-Dichloroethene	U		0.000262	0.00112	1	09/06/2017 21:08	WG1015700
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/06/2017 21:08	WG1015700
1,2-Dichloropropane	U		0.000400	0.00112	1	08/31/2017 19:24	WG1015700
1,1-Dichloropropene	U		0.000354	0.00112	1	08/31/2017 19:24	WG1015700
1,3-Dichloropropane	U		0.000231	0.00112	1	08/31/2017 19:24	WG1015700
cis-1,3-Dichloropropene	U		0.000292	0.00112	1	08/31/2017 19:24	WG1015700
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	08/31/2017 19:24	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000869	0.00279	1	08/31/2017 19:24	WG1015700
2,2-Dichloropropane	U		0.000311	0.00112	1	09/06/2017 21:08	WG1015700
Di-isopropyl ether	U		0.000277	0.00112	1	09/06/2017 21:08	WG1015700
Ethylbenzene	U		0.000332	0.00112	1	08/31/2017 19:24	WG1015700
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	08/31/2017 19:24	WG1015700
2-Hexanone	U		0.00153	0.0112	1	08/31/2017 19:24	WG1015700
n-Hexane	U UJ	J0	0.000324	0.0112	1	08/31/2017 19:24	WG1015700
Iodomethane	U		0.00282	0.0112	1	08/31/2017 19:24	WG1015700
Isopropylbenzene	U		0.000271	0.00112	1	08/31/2017 19:24	WG1015700
p-Isopropyltoluene	U		0.000228	0.00112	1	08/31/2017 19:24	WG1015700
2-Butanone (MEK)	U		0.00522	0.0112	1	08/31/2017 19:24	WG1015700
Methylene Chloride	U UJ	J0	0.00112	0.00558	1	08/31/2017 19:24	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	08/31/2017 19:24	WG1015700

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

Analyte	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	08/31/2017 19:24	WG1015700
Naphthalene	U		0.00112	0.00558	1	08/31/2017 19:24	WG1015700
n-Propylbenzene	U		0.000230	0.00112	1	08/31/2017 19:24	WG1015700
Styrene	U		0.000261	0.00112	1	08/31/2017 19:24	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	08/31/2017 19:24	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000407	0.00112	1	08/31/2017 19:24	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000407	0.00112	1	08/31/2017 19:24	WG1015700
Tetrachloroethene	U		0.000308	0.00112	1	08/31/2017 19:24	WG1015700
Toluene	U		0.000485	0.00558	1	08/31/2017 19:24	WG1015700
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	08/31/2017 19:24	WG1015700
1,2,4-Trichlorobenzene	U		0.000433	0.00112	1	08/31/2017 19:24	WG1015700
1,1,1-Trichloroethane	U		0.000319	0.00112	1	09/06/2017 21:08	WG1015700
1,1,2-Trichloroethane	U		0.000309	0.00112	1	08/31/2017 19:24	WG1015700
Trichloroethene	U		0.000311	0.00112	1	08/31/2017 19:24	WG1015700
Trichlorofluoromethane	U		0.000426	0.00558	1	08/31/2017 19:24	WG1015700
1,2,3-Trichloropropane	U		0.000827	0.00279	1	08/31/2017 19:24	WG1015700
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/06/2017 21:08	WG1015700
1,2,3-Trimethylbenzene	U		0.000320	0.00112	1	09/06/2017 21:08	WG1015700
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	08/31/2017 19:24	WG1015700
Vinyl acetate	U		0.00267	0.0112	1	08/31/2017 19:24	WG1015700
Vinyl chloride	U		0.000325	0.00112	1	08/31/2017 19:24	WG1015700
Xylenes, Total	U		0.000779	0.00335	1	08/31/2017 19:24	WG1015700
(S) Toluene-d8	*99.7*			*80.0-120*		*08/31/2017 19:24*	WG1015700
(S) Toluene-d8	*94.3*			*80.0-120*		*09/06/2017 21:08*	WG1015700
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/06/2017 21:08*	WG1015700
(S) Dibromofluoromethane	*95.8*			*74.0-131*		*08/31/2017 19:24*	WG1015700
(S) 4-Bromofluorobenzene	*89.2*			*64.0-132*		*08/31/2017 19:24*	WG1015700
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/06/2017 21:08*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.4		1	09/06/2017 13:33	WG1017019

Volatile Organic Compounds (GC/MS) 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	0.0112	0.0560	1	08/31/2017 19:59	WG1015700
Acrylonitrile	U		0.00200	0.0112	1	08/31/2017 19:59	WG1015700
Benzene	U		0.000302	0.00112	1	08/31/2017 19:59	WG1015700
Bromobenzene	U		0.000318	0.00112	1	08/31/2017 19:59	WG1015700
Bromodichloromethane	U		0.000284	0.00112	1	08/31/2017 19:59	WG1015700
Bromochloromethane	U		0.000436	0.00560	1	08/31/2017 19:59	WG1015700
Bromoform	U		0.000474	0.00112	1	08/31/2017 19:59	WG1015700
Bromomethane	U		0.00150	0.00560	1	08/31/2017 19:59	WG1015700
n-Butylbenzene	U		0.000289	0.00112	1	08/31/2017 19:59	WG1015700
sec-Butylbenzene	U		0.000225	0.00112	1	08/31/2017 19:59	WG1015700
tert-Butylbenzene	U		0.000231	0.00112	1	08/31/2017 19:59	WG1015700
Carbon disulfide	U		0.000247	0.00112	1	08/31/2017 19:59	WG1015700
Carbon tetrachloride	U		0.000367	0.00112	1	09/06/2017 21:34	WG1015700
Chlorobenzene	U		0.000237	0.00112	1	08/31/2017 19:59	WG1015700
Chlorodibromomethane	U		0.000417	0.00112	1	08/31/2017 19:59	WG1015700
Chloroethane	U		0.00106	0.00560	1	08/31/2017 19:59	WG1015700
Chloroform	U		0.000256	0.00560	1	08/31/2017 19:59	WG1015700
Chloromethane	U		0.000420	0.00280	1	09/06/2017 21:34	WG1015700
2-Chlorotoluene	U		0.000337	0.00112	1	08/31/2017 19:59	WG1015700
4-Chlorotoluene	U		0.000269	0.00112	1	08/31/2017 19:59	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00560	1	08/31/2017 19:59	WG1015700
1,2-Dibromoethane	U		0.000384	0.00112	1	08/31/2017 19:59	WG1015700
Dibromomethane	U		0.000427	0.00112	1	08/31/2017 19:59	WG1015700
1,2-Dichlorobenzene	U		0.000341	0.00112	1	08/31/2017 19:59	WG1015700
1,3-Dichlorobenzene	U		0.000267	0.00112	1	08/31/2017 19:59	WG1015700
1,4-Dichlorobenzene	U		0.000253	0.00112	1	08/31/2017 19:59	WG1015700
Dichlorodifluoromethane	U		0.000798	0.00560	1	08/31/2017 19:59	WG1015700
1,1-Dichloroethane	U		0.000223	0.00112	1	08/31/2017 19:59	WG1015700
1,2-Dichloroethane	U		0.000297	0.00112	1	08/31/2017 19:59	WG1015700
1,1-Dichloroethene	U		0.000339	0.00112	1	08/31/2017 19:59	WG1015700
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	09/06/2017 21:34	WG1015700
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/06/2017 21:34	WG1015700
1,2-Dichloropropane	U		0.000401	0.00112	1	08/31/2017 19:59	WG1015700
1,1-Dichloropropene	U		0.000355	0.00112	1	08/31/2017 19:59	WG1015700
1,3-Dichloropropane	U		0.000232	0.00112	1	08/31/2017 19:59	WG1015700
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	08/31/2017 19:59	WG1015700
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	08/31/2017 19:59	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000871	0.00280	1	08/31/2017 19:59	WG1015700
2,2-Dichloropropane	U		0.000312	0.00112	1	09/06/2017 21:34	WG1015700
Di-isopropyl ether	U		0.000278	0.00112	1	09/06/2017 21:34	WG1015700
Ethylbenzene	U		0.000332	0.00112	1	08/31/2017 19:59	WG1015700
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	08/31/2017 19:59	WG1015700
2-Hexanone	U		0.00153	0.0112	1	08/31/2017 19:59	WG1015700
n-Hexane	U	UJ JO	0.000325	0.0112	1	08/31/2017 19:59	WG1015700
Iodomethane	U		0.00283	0.0112	1	08/31/2017 19:59	WG1015700
Isopropylbenzene	U		0.000272	0.00112	1	08/31/2017 19:59	WG1015700
p-Isopropyltoluene	U		0.000228	0.00112	1	08/31/2017 19:59	WG1015700
2-Butanone (MEK)	U		0.00524	0.0112	1	08/31/2017 19:59	WG1015700
Methylene Chloride	U	JO	0.00112	0.00560	1	08/31/2017 19:59	WG1015700
4-Methyl-2-pentanone (MIBK)	U	UJ	0.00210	0.0112	1	08/31/2017 19:59	WG1015700

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

Analyte	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	08/31/2017 19:59	WG1015700
Naphthalene	U		0.00112	0.00560	1	08/31/2017 19:59	WG1015700
n-Propylbenzene	U		0.000231	0.00112	1	08/31/2017 19:59	WG1015700
Styrene	U		0.000262	0.00112	1	08/31/2017 19:59	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	08/31/2017 19:59	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	08/31/2017 19:59	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	08/31/2017 19:59	WG1015700
Tetrachloroethene	U		0.000309	0.00112	1	08/31/2017 19:59	WG1015700
Toluene	U		0.000486	0.00560	1	08/31/2017 19:59	WG1015700
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	08/31/2017 19:59	WG1015700
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	08/31/2017 19:59	WG1015700
1,1,1-Trichloroethane	U		0.000320	0.00112	1	09/06/2017 21:34	WG1015700
1,1,2-Trichloroethane	U		0.000310	0.00112	1	08/31/2017 19:59	WG1015700
Trichloroethene	U		0.000312	0.00112	1	08/31/2017 19:59	WG1015700
Trichlorofluoromethane	U		0.000427	0.00560	1	08/31/2017 19:59	WG1015700
1,2,3-Trichloropropane	U		0.000829	0.00280	1	08/31/2017 19:59	WG1015700
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/06/2017 21:34	WG1015700
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	09/06/2017 21:34	WG1015700
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	08/31/2017 19:59	WG1015700
Vinyl acetate	U		0.00267	0.0112	1	08/31/2017 19:59	WG1015700
Vinyl chloride	U		0.000326	0.00112	1	08/31/2017 19:59	WG1015700
Xylenes, Total	U		0.000781	0.00336	1	08/31/2017 19:59	WG1015700
(S) Toluene-d8	*95.6*			*80.0-120*		*09/06/2017 21:34*	WG1015700
(S) Toluene-d8	*102*			*80.0-120*		*08/31/2017 19:59*	WG1015700
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/06/2017 21:34*	WG1015700
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*08/31/2017 19:59*	WG1015700
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*08/31/2017 19:59*	WG1015700
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/06/2017 21:34*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	09/06/2017 13:33	WG1017019

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		0.984	2.90	25	09/08/2017 12:45	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*77.0-120*		*09/08/2017 12:45*	WG1017991

Volatile Organic Compounds (GC/MS) 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	08/31/2017 20:20	WG1015700
Acrylonitrile	U		0.00208	0.0116	1	08/31/2017 20:20	WG1015700
Benzene	U		0.000313	0.00116	1	08/31/2017 20:20	WG1015700
Bromobenzene	U		0.000330	0.00116	1	08/31/2017 20:20	WG1015700
Bromodichloromethane	U		0.000295	0.00116	1	08/31/2017 20:20	WG1015700
Bromochloromethane	U		0.000453	0.00580	1	08/31/2017 20:20	WG1015700
Bromoform	U		0.000492	0.00116	1	08/31/2017 20:20	WG1015700
Bromomethane	U		0.00155	0.00580	1	08/31/2017 20:20	WG1015700
n-Butylbenzene	U		0.000299	0.00116	1	08/31/2017 20:20	WG1015700
sec-Butylbenzene	U		0.000233	0.00116	1	08/31/2017 20:20	WG1015700
tert-Butylbenzene	U		0.000239	0.00116	1	08/31/2017 20:20	WG1015700
Carbon disulfide	0.00115 J	J	0.000256	0.00116	1	08/31/2017 20:20	WG1015700
Carbon tetrachloride	U		0.00951	0.0290	25	09/06/2017 21:59	WG1015700
Chlorobenzene	U		0.000246	0.00116	1	08/31/2017 20:20	WG1015700
Chlorodibromomethane	U		0.000433	0.00116	1	08/31/2017 20:20	WG1015700
Chloroethane	0.00137 J	J	0.00110	0.00580	1	08/31/2017 20:20	WG1015700
Chloroform	U		0.000266	0.00580	1	08/31/2017 20:20	WG1015700
Chloromethane	U		0.0109	0.0725	25	09/06/2017 21:59	WG1015700
2-Chlorotoluene	U		0.000349	0.00116	1	08/31/2017 20:20	WG1015700
4-Chlorotoluene	U		0.000278	0.00116	1	08/31/2017 20:20	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	08/31/2017 20:20	WG1015700
1,2-Dibromoethane	U		0.000398	0.00116	1	08/31/2017 20:20	WG1015700
Dibromomethane	U		0.000443	0.00116	1	08/31/2017 20:20	WG1015700
1,2-Dichlorobenzene	U		0.000354	0.00116	1	08/31/2017 20:20	WG1015700
1,3-Dichlorobenzene	U		0.000277	0.00116	1	08/31/2017 20:20	WG1015700
1,4-Dichlorobenzene	U		0.000262	0.00116	1	08/31/2017 20:20	WG1015700
Dichlorodifluoromethane	U		0.000827	0.00580	1	08/31/2017 20:20	WG1015700
1,1-Dichloroethane	U		0.000231	0.00116	1	08/31/2017 20:20	WG1015700
1,2-Dichloroethane	U		0.000307	0.00116	1	08/31/2017 20:20	WG1015700
1,1-Dichloroethene	0.00306		0.000352	0.00116	1	08/31/2017 20:20	WG1015700
cis-1,2-Dichloroethene	2.58		0.00682	0.0290	25	09/06/2017 21:59	WG1015700
trans-1,2-Dichloroethene	0.0111 J	J	0.00766	0.0290	25	09/06/2017 21:59	WG1015700
1,2-Dichloropropane	U		0.000415	0.00116	1	08/31/2017 20:20	WG1015700
1,1-Dichloropropene	U		0.000368	0.00116	1	08/31/2017 20:20	WG1015700
1,3-Dichloropropane	U		0.000240	0.00116	1	08/31/2017 20:20	WG1015700
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	08/31/2017 20:20	WG1015700
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	08/31/2017 20:20	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	08/31/2017 20:20	WG1015700
2,2-Dichloropropane	U		0.00810	0.0290	25	09/06/2017 21:59	WG1015700
Di-isopropyl ether	U		0.00719	0.0290	25	09/06/2017 21:59	WG1015700
Ethylbenzene	U		0.000345	0.00116	1	08/31/2017 20:20	WG1015700
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	08/31/2017 20:20	WG1015700
2-Hexanone	U		0.00159	0.0116	1	08/31/2017 20:20	WG1015700
n-Hexane	0.000648 J	J J0	0.000336	0.0116	1	08/31/2017 20:20	WG1015700

Volatile Organic Compounds (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		0.00294	0.0116	1	08/31/2017 20:20	WG1015700
Isopropylbenzene	U		0.000282	0.00116	1	08/31/2017 20:20	WG1015700
p-Isopropyltoluene	U		0.000237	0.00116	1	08/31/2017 20:20	WG1015700
2-Butanone (MEK)	U		0.00543	0.0116	1	08/31/2017 20:20	WG1015700
Methylene Chloride	U	UJ J0	0.00116	0.00580	1	08/31/2017 20:20	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	08/31/2017 20:20	WG1015700
Methyl tert-butyl ether	U		0.000246	0.00116	1	08/31/2017 20:20	WG1015700
Naphthalene	U		0.00116	0.00580	1	08/31/2017 20:20	WG1015700
n-Propylbenzene	U		0.000239	0.00116	1	08/31/2017 20:20	WG1015700
Styrene	U		0.000272	0.00116	1	08/31/2017 20:20	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	08/31/2017 20:20	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	08/31/2017 20:20	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	08/31/2017 20:20	WG1015700
Tetrachloroethene	0.00863		0.000320	0.00116	1	08/31/2017 20:20	WG1015700
Toluene	U		0.000504	0.00580	1	08/31/2017 20:20	WG1015700
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	08/31/2017 20:20	WG1015700
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	08/31/2017 20:20	WG1015700
1,1,1-Trichloroethane	U		0.00830	0.0290	25	09/06/2017 21:59	WG1015700
1,1,2-Trichloroethane	U		0.000321	0.00116	1	08/31/2017 20:20	WG1015700
Trichloroethene	0.0551		0.000324	0.00116	1	08/31/2017 20:20	WG1015700
Trichlorofluoromethane	U		0.000443	0.00580	1	08/31/2017 20:20	WG1015700
1,2,3-Trichloropropane	U		0.000860	0.00290	1	08/31/2017 20:20	WG1015700
1,2,4-Trimethylbenzene	U		0.00613	0.0290	25	09/06/2017 21:59	WG1015700
1,2,3-Trimethylbenzene	U		0.00833	0.0290	25	09/06/2017 21:59	WG1015700
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	08/31/2017 20:20	WG1015700
Vinyl acetate	U		0.00277	0.0116	1	08/31/2017 20:20	WG1015700
Vinyl chloride	0.217		0.00845	0.0290	25	09/06/2017 21:59	WG1015700
Xylenes, Total	U		0.000810	0.00348	1	08/31/2017 20:20	WG1015700
(S) Toluene-d8	*101*			*80.0-120*		*08/31/2017 20:20*	WG1015700
(S) Toluene-d8	*103*			*80.0-120*		*09/06/2017 21:59*	WG1015700
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/06/2017 21:59*	WG1015700
(S) Dibromofluoromethane	*96.9*			*74.0-131*		*08/31/2017 20:20*	WG1015700
(S) 4-Bromofluorobenzene	*87.2*			*64.0-132*		*08/31/2017 20:20*	WG1015700
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/06/2017 21:59*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	09/06/2017 13:33	WG1017019

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	1.35		0.0373	0.110	1	08/31/2017 16:59	WG1015659
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*77.0-120*		*08/31/2017 16:59*	WG1015659

Volatile Organic Compounds (GC/MS) 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	08/31/2017 20:40	WG1015700
Acrylonitrile	U		0.00197	0.0110	1	08/31/2017 20:40	WG1015700
Benzene	U		0.000297	0.00110	1	08/31/2017 20:40	WG1015700
Bromobenzene	U		0.000312	0.00110	1	08/31/2017 20:40	WG1015700
Bromodichloromethane	U		0.000279	0.00110	1	08/31/2017 20:40	WG1015700
Bromochloromethane	U		0.000429	0.00550	1	08/31/2017 20:40	WG1015700
Bromoform	U		0.000466	0.00110	1	08/31/2017 20:40	WG1015700
Bromomethane	U		0.00147	0.00550	1	08/31/2017 20:40	WG1015700
n-Butylbenzene	U		0.000284	0.00110	1	08/31/2017 20:40	WG1015700
sec-Butylbenzene	U		0.000221	0.00110	1	08/31/2017 20:40	WG1015700
tert-Butylbenzene	U		0.000226	0.00110	1	08/31/2017 20:40	WG1015700
Carbon disulfide	0.000786 J	J	0.000243	0.00110	1	08/31/2017 20:40	WG1015700
Carbon tetrachloride	U		0.0361	0.110	100	09/06/2017 22:25	WG1015700
Chlorobenzene	U		0.000233	0.00110	1	08/31/2017 20:40	WG1015700
Chlorodibromomethane	U		0.000410	0.00110	1	08/31/2017 20:40	WG1015700
Chloroethane	U		0.00104	0.00550	1	08/31/2017 20:40	WG1015700
Chloroform	U		0.000252	0.00550	1	08/31/2017 20:40	WG1015700
Chloromethane	U		0.0412	0.275	100	09/06/2017 22:25	WG1015700
2-Chlorotoluene	U		0.000331	0.00110	1	08/31/2017 20:40	WG1015700
4-Chlorotoluene	U		0.000264	0.00110	1	08/31/2017 20:40	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00550	1	08/31/2017 20:40	WG1015700
1,2-Dibromoethane	U		0.000377	0.00110	1	08/31/2017 20:40	WG1015700
Dibromomethane	U		0.000420	0.00110	1	08/31/2017 20:40	WG1015700
1,2-Dichlorobenzene	U		0.000335	0.00110	1	08/31/2017 20:40	WG1015700
1,3-Dichlorobenzene	U		0.000263	0.00110	1	08/31/2017 20:40	WG1015700
1,4-Dichlorobenzene	U		0.000248	0.00110	1	08/31/2017 20:40	WG1015700
Dichlorodifluoromethane	U		0.000784	0.00550	1	08/31/2017 20:40	WG1015700
1,1-Dichloroethane	U		0.000219	0.00110	1	08/31/2017 20:40	WG1015700
1,2-Dichloroethane	U		0.000291	0.00110	1	08/31/2017 20:40	WG1015700
1,1-Dichloroethene	0.00222		0.000333	0.00110	1	08/31/2017 20:40	WG1015700
cis-1,2-Dichloroethene	0.740		0.0258	0.110	100	09/06/2017 22:25	WG1015700
trans-1,2-Dichloroethene	U		0.0290	0.110	100	09/06/2017 22:25	WG1015700
1,2-Dichloropropane	U		0.000394	0.00110	1	08/31/2017 20:40	WG1015700
1,1-Dichloropropene	U		0.000349	0.00110	1	08/31/2017 20:40	WG1015700
1,3-Dichloropropane	U		0.000228	0.00110	1	08/31/2017 20:40	WG1015700
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	08/31/2017 20:40	WG1015700
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	08/31/2017 20:40	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000855	0.00275	1	08/31/2017 20:40	WG1015700
2,2-Dichloropropane	U		0.0307	0.110	100	09/06/2017 22:25	WG1015700
Di-isopropyl ether	U		0.0273	0.110	100	09/06/2017 22:25	WG1015700
Ethylbenzene	U		0.000327	0.00110	1	08/31/2017 20:40	WG1015700
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	08/31/2017 20:40	WG1015700
2-Hexanone	U		0.00151	0.0110	1	08/31/2017 20:40	WG1015700
n-Hexane	U UJ	J0	0.000319	0.0110	1	08/31/2017 20:40	WG1015700

Volatile Organic Compounds (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	08/31/2017 20:40	WG1015700
Isopropylbenzene	U		0.000267	0.00110	1	08/31/2017 20:40	WG1015700
p-Isopropyltoluene	U		0.000224	0.00110	1	08/31/2017 20:40	WG1015700
2-Butanone (MEK)	U		0.00515	0.0110	1	08/31/2017 20:40	WG1015700
Methylene Chloride	U	UJ JO	0.00110	0.00550	1	08/31/2017 20:40	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	08/31/2017 20:40	WG1015700
Methyl tert-butyl ether	U		0.000233	0.00110	1	08/31/2017 20:40	WG1015700
Naphthalene	U		0.00110	0.00550	1	08/31/2017 20:40	WG1015700
n-Propylbenzene	U		0.000226	0.00110	1	08/31/2017 20:40	WG1015700
Styrene	U		0.000257	0.00110	1	08/31/2017 20:40	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	08/31/2017 20:40	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	08/31/2017 20:40	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	08/31/2017 20:40	WG1015700
Tetrachloroethene	17.9		0.0303	0.110	100	09/06/2017 22:25	WG1015700
Toluene	U		0.000477	0.00550	1	08/31/2017 20:40	WG1015700
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	08/31/2017 20:40	WG1015700
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	08/31/2017 20:40	WG1015700
1,1,1-Trichloroethane	U		0.0314	0.110	100	09/06/2017 22:25	WG1015700
1,1,2-Trichloroethane	U		0.000305	0.00110	1	08/31/2017 20:40	WG1015700
Trichloroethene	2.34		0.0307	0.110	100	09/06/2017 22:25	WG1015700
Trichlorofluoromethane	U		0.000420	0.00550	1	08/31/2017 20:40	WG1015700
1,2,3-Trichloropropane	U		0.000815	0.00275	1	08/31/2017 20:40	WG1015700
1,2,4-Trimethylbenzene	0.0675	J J	0.0232	0.110	100	09/06/2017 22:25	WG1015700
1,2,3-Trimethylbenzene	U		0.0316	0.110	100	09/06/2017 22:25	WG1015700
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	08/31/2017 20:40	WG1015700
Vinyl acetate	U		0.00263	0.0110	1	08/31/2017 20:40	WG1015700
Vinyl chloride	0.0196		0.000320	0.00110	1	08/31/2017 20:40	WG1015700
Xylenes, Total	U		0.000767	0.00330	1	08/31/2017 20:40	WG1015700
(S) Toluene-d8	*104*			*80.0-120*		*09/06/2017 22:25*	WG1015700
(S) Toluene-d8	*97.6*			*80.0-120*		*08/31/2017 20:40*	WG1015700
(S) Dibromofluoromethane	*98.1*			*74.0-131*		*08/31/2017 20:40*	WG1015700
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/06/2017 22:25*	WG1015700
(S) 4-Bromofluorobenzene	*90.4*			*64.0-132*		*08/31/2017 20:40*	WG1015700
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*09/06/2017 22:25*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	09/06/2017 13:33	WG1017019

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	0.447		0.0374	0.110	1	08/31/2017 17:22	WG1015659
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*77.0-120*		*08/31/2017 17:22*	WG1015659

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0221 U	J JO	0.0110	0.0552	1	08/31/2017 21:01	WG1015700
Acrylonitrile	U		0.00198	0.0110	1	08/31/2017 21:01	WG1015700
Benzene	U		0.000298	0.00110	1	08/31/2017 21:01	WG1015700
Bromobenzene	U		0.000314	0.00110	1	08/31/2017 21:01	WG1015700
Bromodichloromethane	U		0.000280	0.00110	1	08/31/2017 21:01	WG1015700
Bromochloromethane	U		0.000431	0.00552	1	08/31/2017 21:01	WG1015700
Bromoform	U		0.000468	0.00110	1	08/31/2017 21:01	WG1015700
Bromomethane	U		0.00148	0.00552	1	08/31/2017 21:01	WG1015700
n-Butylbenzene	U		0.000285	0.00110	1	08/31/2017 21:01	WG1015700
sec-Butylbenzene	U		0.000222	0.00110	1	08/31/2017 21:01	WG1015700
tert-Butylbenzene	U		0.000227	0.00110	1	08/31/2017 21:01	WG1015700
Carbon disulfide	0.00223		0.000244	0.00110	1	08/31/2017 21:01	WG1015700
Carbon tetrachloride	U		0.00906	0.0276	25	09/06/2017 22:51	WG1015700
Chlorobenzene	U		0.000234	0.00110	1	08/31/2017 21:01	WG1015700
Chlorodibromomethane	U		0.000412	0.00110	1	08/31/2017 21:01	WG1015700
Chloroethane	U		0.00104	0.00552	1	08/31/2017 21:01	WG1015700
Chloroform	U		0.000253	0.00552	1	08/31/2017 21:01	WG1015700
Chloromethane	U		0.0104	0.0690	25	09/06/2017 22:51	WG1015700
2-Chlorotoluene	U		0.000332	0.00110	1	08/31/2017 21:01	WG1015700
4-Chlorotoluene	U		0.000265	0.00110	1	08/31/2017 21:01	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	08/31/2017 21:01	WG1015700
1,2-Dibromoethane	U		0.000379	0.00110	1	08/31/2017 21:01	WG1015700
Dibromomethane	U		0.000422	0.00110	1	08/31/2017 21:01	WG1015700
1,2-Dichlorobenzene	U		0.000337	0.00110	1	08/31/2017 21:01	WG1015700
1,3-Dichlorobenzene	U		0.000264	0.00110	1	08/31/2017 21:01	WG1015700
1,4-Dichlorobenzene	U		0.000250	0.00110	1	08/31/2017 21:01	WG1015700
Dichlorodifluoromethane	U		0.000787	0.00552	1	08/31/2017 21:01	WG1015700
1,1-Dichloroethane	U		0.000220	0.00110	1	08/31/2017 21:01	WG1015700
1,2-Dichloroethane	U		0.000293	0.00110	1	08/31/2017 21:01	WG1015700
1,1-Dichloroethene	0.00190		0.000335	0.00110	1	08/31/2017 21:01	WG1015700
cis-1,2-Dichloroethene	4.46		0.00649	0.0276	25	09/06/2017 22:51	WG1015700
trans-1,2-Dichloroethene	U		0.00729	0.0276	25	09/06/2017 22:51	WG1015700
1,2-Dichloropropane	U		0.000395	0.00110	1	08/31/2017 21:01	WG1015700
1,1-Dichloropropene	U		0.000350	0.00110	1	08/31/2017 21:01	WG1015700
1,3-Dichloropropane	U		0.000229	0.00110	1	08/31/2017 21:01	WG1015700
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	08/31/2017 21:01	WG1015700
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	08/31/2017 21:01	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	08/31/2017 21:01	WG1015700
2,2-Dichloropropane	U		0.00771	0.0276	25	09/06/2017 22:51	WG1015700
Di-isopropyl ether	U		0.00685	0.0276	25	09/06/2017 22:51	WG1015700
Ethylbenzene	U		0.000328	0.00110	1	08/31/2017 21:01	WG1015700
Hexachloro-1,3-butadiene	U		0.000378	0.00110	1	08/31/2017 21:01	WG1015700
2-Hexanone	U		0.00151	0.0110	1	08/31/2017 21:01	WG1015700
n-Hexane	0.00136 J	J JO	0.000320	0.0110	1	08/31/2017 21:01	WG1015700

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			0.00279	0.0110	1	08/31/2017 21:01	WG1015700
Isopropylbenzene	U			0.000268	0.00110	1	08/31/2017 21:01	WG1015700
p-Isopropyltoluene	U			0.000225	0.00110	1	08/31/2017 21:01	WG1015700
2-Butanone (MEK)	U			0.00517	0.0110	1	08/31/2017 21:01	WG1015700
Methylene Chloride	U	UJ	J0	0.00110	0.00552	1	08/31/2017 21:01	WG1015700
4-Methyl-2-pentanone (MIBK)	U			0.00208	0.0110	1	08/31/2017 21:01	WG1015700
Methyl tert-butyl ether	U			0.000234	0.00110	1	08/31/2017 21:01	WG1015700
Naphthalene	U			0.00110	0.00552	1	08/31/2017 21:01	WG1015700
n-Propylbenzene	U			0.000227	0.00110	1	08/31/2017 21:01	WG1015700
Styrene	U			0.000258	0.00110	1	08/31/2017 21:01	WG1015700
1,1,1,2-Tetrachloroethane	U			0.000292	0.00110	1	08/31/2017 21:01	WG1015700
1,1,2,2-Tetrachloroethane	U			0.000403	0.00110	1	08/31/2017 21:01	WG1015700
1,1,2-Trichlorotrifluoroethane	U			0.000403	0.00110	1	08/31/2017 21:01	WG1015700
Tetrachloroethene	0.0770			0.000305	0.00110	1	08/31/2017 21:01	WG1015700
Toluene	U			0.000479	0.00552	1	08/31/2017 21:01	WG1015700
1,2,3-Trichlorobenzene	U			0.000338	0.00110	1	08/31/2017 21:01	WG1015700
1,2,4-Trichlorobenzene	U			0.000428	0.00110	1	08/31/2017 21:01	WG1015700
1,1,1-Trichloroethane	U			0.00790	0.0276	25	09/06/2017 22:51	WG1015700
1,1,2-Trichloroethane	U			0.000306	0.00110	1	08/31/2017 21:01	WG1015700
Trichloroethene	0.00544			0.000308	0.00110	1	08/31/2017 21:01	WG1015700
Trichlorofluoromethane	U			0.000422	0.00552	1	08/31/2017 21:01	WG1015700
1,2,3-Trichloropropane	U			0.000818	0.00276	1	08/31/2017 21:01	WG1015700
1,2,4-Trimethylbenzene	U			0.00583	0.0276	25	09/06/2017 22:51	WG1015700
1,2,3-Trimethylbenzene	U			0.00793	0.0276	25	09/06/2017 22:51	WG1015700
1,3,5-Trimethylbenzene	U			0.000294	0.00110	1	08/31/2017 21:01	WG1015700
Vinyl acetate	U			0.00264	0.0110	1	08/31/2017 21:01	WG1015700
Vinyl chloride	0.0118			0.000321	0.00110	1	08/31/2017 21:01	WG1015700
Xylenes, Total	U			0.000771	0.00331	1	08/31/2017 21:01	WG1015700
(S) Toluene-d8	*88.0*				*80.0-120*		*09/06/2017 22:51*	WG1015700
(S) Toluene-d8	*98.6*				*80.0-120*		*08/31/2017 21:01*	WG1015700
(S) Dibromofluoromethane	*100*				*74.0-131*		*09/06/2017 22:51*	WG1015700
(S) Dibromofluoromethane	*97.0*				*74.0-131*		*08/31/2017 21:01*	WG1015700
(S) 4-Bromofluorobenzene	*92.0*				*64.0-132*		*08/31/2017 21:01*	WG1015700
(S) 4-Bromofluorobenzene	*99.8*				*64.0-132*		*09/06/2017 22:51*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.4		1	09/06/2017 10:08	WG1017021

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.11	3.28	25.75	09/08/2017 13:08	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*		*09/08/2017 13:08*	WG1017991

Volatile Organic Compounds (GC/MS) 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	0.0128	0.0638	1	08/31/2017 21:21	WG1015700
Acrylonitrile	U		0.00228	0.0128	1	08/31/2017 21:21	WG1015700
Benzene	U		0.000344	0.00128	1	08/31/2017 21:21	WG1015700
Bromobenzene	U		0.000362	0.00128	1	08/31/2017 21:21	WG1015700
Bromodichloromethane	U		0.000324	0.00128	1	08/31/2017 21:21	WG1015700
Bromochloromethane	U		0.000497	0.00638	1	08/31/2017 21:21	WG1015700
Bromoform	U		0.000541	0.00128	1	08/31/2017 21:21	WG1015700
Bromomethane	U		0.00171	0.00638	1	08/31/2017 21:21	WG1015700
n-Butylbenzene	U		0.000329	0.00128	1	08/31/2017 21:21	WG1015700
sec-Butylbenzene	U		0.000256	0.00128	1	08/31/2017 21:21	WG1015700
tert-Butylbenzene	U		0.000263	0.00128	1	08/31/2017 21:21	WG1015700
Carbon disulfide	0.00153		0.000282	0.00128	1	08/31/2017 21:21	WG1015700
Carbon tetrachloride	U		0.000418	0.00128	1	09/06/2017 23:17	WG1015700
Chlorobenzene	U		0.000270	0.00128	1	08/31/2017 21:21	WG1015700
Chlorodibromomethane	U		0.000476	0.00128	1	08/31/2017 21:21	WG1015700
Chloroethane	U		0.00121	0.00638	1	08/31/2017 21:21	WG1015700
Chloroform	U		0.000292	0.00638	1	08/31/2017 21:21	WG1015700
Chloromethane	0.00219 J	J	0.000478	0.00319	1	09/06/2017 23:17	WG1015700
2-Chlorotoluene	U		0.000384	0.00128	1	08/31/2017 21:21	WG1015700
4-Chlorotoluene	U		0.000306	0.00128	1	08/31/2017 21:21	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00134	0.00638	1	08/31/2017 21:21	WG1015700
1,2-Dibromoethane	U		0.000438	0.00128	1	08/31/2017 21:21	WG1015700
Dibromomethane	U		0.000487	0.00128	1	08/31/2017 21:21	WG1015700
1,2-Dichlorobenzene	U		0.000389	0.00128	1	08/31/2017 21:21	WG1015700
1,3-Dichlorobenzene	U		0.000305	0.00128	1	08/31/2017 21:21	WG1015700
1,4-Dichlorobenzene	U		0.000288	0.00128	1	08/31/2017 21:21	WG1015700
Dichlorodifluoromethane	U		0.000910	0.00638	1	08/31/2017 21:21	WG1015700
1,1-Dichloroethane	U		0.000254	0.00128	1	08/31/2017 21:21	WG1015700
1,2-Dichloroethane	U		0.000338	0.00128	1	08/31/2017 21:21	WG1015700
1,1-Dichloroethene	U		0.000387	0.00128	1	08/31/2017 21:21	WG1015700
cis-1,2-Dichloroethene	0.0468		0.000300	0.00128	1	09/06/2017 23:17	WG1015700
trans-1,2-Dichloroethene	U		0.000337	0.00128	1	09/06/2017 23:17	WG1015700
1,2-Dichloropropane	U		0.000457	0.00128	1	08/31/2017 21:21	WG1015700
1,1-Dichloropropene	U		0.000404	0.00128	1	08/31/2017 21:21	WG1015700
1,3-Dichloropropane	U		0.000264	0.00128	1	08/31/2017 21:21	WG1015700
cis-1,3-Dichloropropene	U		0.000334	0.00128	1	08/31/2017 21:21	WG1015700
trans-1,3-Dichloropropene	U		0.000341	0.00128	1	08/31/2017 21:21	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000992	0.00319	1	08/31/2017 21:21	WG1015700
2,2-Dichloropropane	U		0.000356	0.00128	1	09/06/2017 23:17	WG1015700
Di-isopropyl ether	U		0.000316	0.00128	1	09/06/2017 23:17	WG1015700
Ethylbenzene	U		0.000379	0.00128	1	08/31/2017 21:21	WG1015700
Hexachloro-1,3-butadiene	U		0.000436	0.00128	1	08/31/2017 21:21	WG1015700
2-Hexanone	U		0.00175	0.0128	1	08/31/2017 21:21	WG1015700
n-Hexane	0.00178 J	J J0	0.000370	0.0128	1	08/31/2017 21:21	WG1015700

Volatile Organic Compounds (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		0.00323	0.0128	1	08/31/2017 21:21	WG1015700
Isopropylbenzene	U		0.000310	0.00128	1	08/31/2017 21:21	WG1015700
p-Isopropyltoluene	U		0.000260	0.00128	1	08/31/2017 21:21	WG1015700
2-Butanone (MEK)	U		0.00597	0.0128	1	08/31/2017 21:21	WG1015700
Methylene Chloride	U	UJ J0	0.00128	0.00638	1	08/31/2017 21:21	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00240	0.0128	1	08/31/2017 21:21	WG1015700
Methyl tert-butyl ether	U		0.000270	0.00128	1	08/31/2017 21:21	WG1015700
Naphthalene	U		0.00128	0.00638	1	08/31/2017 21:21	WG1015700
n-Propylbenzene	U		0.000263	0.00128	1	08/31/2017 21:21	WG1015700
Styrene	U		0.000298	0.00128	1	08/31/2017 21:21	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000337	0.00128	1	08/31/2017 21:21	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000466	0.00128	1	08/31/2017 21:21	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000466	0.00128	1	08/31/2017 21:21	WG1015700
Tetrachloroethene	0.0742		0.000352	0.00128	1	08/31/2017 21:21	WG1015700
Toluene	U		0.000554	0.00638	1	08/31/2017 21:21	WG1015700
1,2,3-Trichlorobenzene	U		0.000390	0.00128	1	08/31/2017 21:21	WG1015700
1,2,4-Trichlorobenzene	U		0.000495	0.00128	1	08/31/2017 21:21	WG1015700
1,1,1-Trichloroethane	U		0.000365	0.00128	1	09/06/2017 23:17	WG1015700
1,1,2-Trichloroethane	U		0.000353	0.00128	1	08/31/2017 21:21	WG1015700
Trichloroethene	0.0111		0.000356	0.00128	1	08/31/2017 21:21	WG1015700
Trichlorofluoromethane	U		0.000487	0.00638	1	08/31/2017 21:21	WG1015700
1,2,3-Trichloropropane	U		0.000945	0.00319	1	08/31/2017 21:21	WG1015700
1,2,4-Trimethylbenzene	U		0.000269	0.00128	1	09/06/2017 23:17	WG1015700
1,2,3-Trimethylbenzene	U		0.000366	0.00128	1	09/06/2017 23:17	WG1015700
1,3,5-Trimethylbenzene	U		0.000339	0.00128	1	08/31/2017 21:21	WG1015700
Vinyl acetate	U		0.00305	0.0128	1	08/31/2017 21:21	WG1015700
Vinyl chloride	0.0426		0.000371	0.00128	1	08/31/2017 21:21	WG1015700
Xylenes, Total	U		0.000890	0.00383	1	08/31/2017 21:21	WG1015700
(S) Toluene-d8	*93.6*			*80.0-120*		*09/06/2017 23:17*	WG1015700
(S) Toluene-d8	*100*			*80.0-120*		*08/31/2017 21:21*	WG1015700
(S) Dibromofluoromethane	*95.9*			*74.0-131*		*08/31/2017 21:21*	WG1015700
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/06/2017 23:17*	WG1015700
(S) 4-Bromofluorobenzene	*92.9*			*64.0-132*		*08/31/2017 21:21*	WG1015700
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/06/2017 23:17*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	09/06/2017 10:08	WG1017021

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.970	2.86	26.75	09/08/2017 13:30	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*77.0-120*		*09/08/2017 13:30*	WG1017991

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0535	1	08/31/2017 21:42	WG1015700
Acrylonitrile	U		0.00191	0.0107	1	08/31/2017 21:42	WG1015700
Benzene	U		0.000289	0.00107	1	08/31/2017 21:42	WG1015700
Bromobenzene	U		0.000304	0.00107	1	08/31/2017 21:42	WG1015700
Bromodichloromethane	U		0.000272	0.00107	1	08/31/2017 21:42	WG1015700
Bromochloromethane	U		0.000417	0.00535	1	08/31/2017 21:42	WG1015700
Bromoform	U		0.000453	0.00107	1	08/31/2017 21:42	WG1015700
Bromomethane	U		0.00143	0.00535	1	08/31/2017 21:42	WG1015700
n-Butylbenzene	U		0.000276	0.00107	1	08/31/2017 21:42	WG1015700
sec-Butylbenzene	U		0.000215	0.00107	1	08/31/2017 21:42	WG1015700
tert-Butylbenzene	U		0.000220	0.00107	1	08/31/2017 21:42	WG1015700
Carbon disulfide	0.000414 J	J	0.000236	0.00107	1	08/31/2017 21:42	WG1015700
Carbon tetrachloride	U		0.000351	0.00107	1	09/06/2017 23:43	WG1015700
Chlorobenzene	U		0.000227	0.00107	1	08/31/2017 21:42	WG1015700
Chlorodibromomethane	U		0.000399	0.00107	1	08/31/2017 21:42	WG1015700
Chloroethane	U		0.00101	0.00535	1	08/31/2017 21:42	WG1015700
Chloroform	U		0.000245	0.00535	1	08/31/2017 21:42	WG1015700
Chloromethane	0.00164 J	J	0.000401	0.00267	1	09/06/2017 23:43	WG1015700
2-Chlorotoluene	U		0.000322	0.00107	1	08/31/2017 21:42	WG1015700
4-Chlorotoluene	U		0.000257	0.00107	1	08/31/2017 21:42	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	08/31/2017 21:42	WG1015700
1,2-Dibromoethane	U		0.000367	0.00107	1	08/31/2017 21:42	WG1015700
Dibromomethane	U		0.000409	0.00107	1	08/31/2017 21:42	WG1015700
1,2-Dichlorobenzene	U		0.000326	0.00107	1	08/31/2017 21:42	WG1015700
1,3-Dichlorobenzene	U		0.000256	0.00107	1	08/31/2017 21:42	WG1015700
1,4-Dichlorobenzene	U		0.000242	0.00107	1	08/31/2017 21:42	WG1015700
Dichlorodifluoromethane	U		0.000763	0.00535	1	08/31/2017 21:42	WG1015700
1,1-Dichloroethane	U		0.000213	0.00107	1	08/31/2017 21:42	WG1015700
1,2-Dichloroethane	U		0.000283	0.00107	1	08/31/2017 21:42	WG1015700
1,1-Dichloroethene	U		0.000324	0.00107	1	08/31/2017 21:42	WG1015700
cis-1,2-Dichloroethene	0.0119 J		0.000251	0.00107	1	09/06/2017 23:43	WG1015700
trans-1,2-Dichloroethene	U		0.000282	0.00107	1	09/06/2017 23:43	WG1015700
1,2-Dichloropropane	U		0.000383	0.00107	1	08/31/2017 21:42	WG1015700
1,1-Dichloropropene	U		0.000339	0.00107	1	08/31/2017 21:42	WG1015700
1,3-Dichloropropane	U		0.000221	0.00107	1	08/31/2017 21:42	WG1015700
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	08/31/2017 21:42	WG1015700
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	08/31/2017 21:42	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000832	0.00267	1	08/31/2017 21:42	WG1015700
2,2-Dichloropropane	U		0.000298	0.00107	1	09/06/2017 23:43	WG1015700
Di-isopropyl ether	U		0.000265	0.00107	1	09/06/2017 23:43	WG1015700
Ethylbenzene	U		0.000318	0.00107	1	08/31/2017 21:42	WG1015700
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	08/31/2017 21:42	WG1015700
2-Hexanone	U		0.00147	0.0107	1	08/31/2017 21:42	WG1015700
n-Hexane	0.00184 J	J J0	0.000310	0.0107	1	08/31/2017 21:42	WG1015700

Volatile Organic Compounds (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		0.00271	0.0107	1	08/31/2017 21:42	WG1015700
Isopropylbenzene	U		0.000260	0.00107	1	08/31/2017 21:42	WG1015700
p-Isopropyltoluene	U		0.000218	0.00107	1	08/31/2017 21:42	WG1015700
2-Butanone (MEK)	U		0.00501	0.0107	1	08/31/2017 21:42	WG1015700
Methylene Chloride	U	UJ J0	0.00107	0.00535	1	08/31/2017 21:42	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	08/31/2017 21:42	WG1015700
Methyl tert-butyl ether	U		0.000227	0.00107	1	08/31/2017 21:42	WG1015700
Naphthalene	U		0.00107	0.00535	1	08/31/2017 21:42	WG1015700
n-Propylbenzene	U		0.000220	0.00107	1	08/31/2017 21:42	WG1015700
Styrene	U		0.000250	0.00107	1	08/31/2017 21:42	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	08/31/2017 21:42	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000390	0.00107	1	08/31/2017 21:42	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000390	0.00107	1	08/31/2017 21:42	WG1015700
Tetrachloroethene	0.0105	J	0.000295	0.00107	1	08/31/2017 21:42	WG1015700
Toluene	U		0.000464	0.00535	1	08/31/2017 21:42	WG1015700
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	08/31/2017 21:42	WG1015700
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	08/31/2017 21:42	WG1015700
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/06/2017 23:43	WG1015700
1,1,2-Trichloroethane	U		0.000296	0.00107	1	08/31/2017 21:42	WG1015700
Trichloroethene	0.00316	J	0.000298	0.00107	1	08/31/2017 21:42	WG1015700
Trichlorofluoromethane	U		0.000409	0.00535	1	08/31/2017 21:42	WG1015700
1,2,3-Trichloropropane	U		0.000792	0.00267	1	08/31/2017 21:42	WG1015700
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/06/2017 23:43	WG1015700
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/06/2017 23:43	WG1015700
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	08/31/2017 21:42	WG1015700
Vinyl acetate	U		0.00256	0.0107	1	08/31/2017 21:42	WG1015700
Vinyl chloride	0.00656	J	0.000311	0.00107	1	08/31/2017 21:42	WG1015700
Xylenes, Total	U		0.000746	0.00321	1	08/31/2017 21:42	WG1015700
(S) Toluene-d8	*94.5*			*80.0-120*		*09/06/2017 23:43*	WG1015700
(S) Toluene-d8	*99.6*			*80.0-120*		*08/31/2017 21:42*	WG1015700
(S) Dibromofluoromethane	*109*			*74.0-131*		*09/06/2017 23:43*	WG1015700
(S) Dibromofluoromethane	*94.9*			*74.0-131*		*08/31/2017 21:42*	WG1015700
(S) 4-Bromofluorobenzene	*89.8*			*64.0-132*		*08/31/2017 21:42*	WG1015700
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/06/2017 23:43*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.9		1	09/06/2017 10:08	WG1017021

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		0.893	2.63	25	09/08/2017 13:52	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-120*		*09/08/2017 13:52*	WG1017991

Volatile Organic Compounds (GC/MS) 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	0.0105	0.0527	1	08/31/2017 22:03	WG1015700
Acrylonitrile	U		0.00189	0.0105	1	08/31/2017 22:03	WG1015700
Benzene	U		0.000284	0.00105	1	08/31/2017 22:03	WG1015700
Bromobenzene	U		0.000299	0.00105	1	08/31/2017 22:03	WG1015700
Bromodichloromethane	U		0.000268	0.00105	1	08/31/2017 22:03	WG1015700
Bromochloromethane	U		0.000411	0.00527	1	08/31/2017 22:03	WG1015700
Bromoform	U		0.000447	0.00105	1	08/31/2017 22:03	WG1015700
Bromomethane	U		0.00141	0.00527	1	08/31/2017 22:03	WG1015700
n-Butylbenzene	U		0.000272	0.00105	1	08/31/2017 22:03	WG1015700
sec-Butylbenzene	U		0.000212	0.00105	1	08/31/2017 22:03	WG1015700
tert-Butylbenzene	U		0.000217	0.00105	1	08/31/2017 22:03	WG1015700
Carbon disulfide	0.000563 J	J	0.000233	0.00105	1	08/31/2017 22:03	WG1015700
Carbon tetrachloride	U		0.000346	0.00105	1	09/07/2017 00:09	WG1015700
Chlorobenzene	U		0.000223	0.00105	1	08/31/2017 22:03	WG1015700
Chlorodibromomethane	U		0.000393	0.00105	1	08/31/2017 22:03	WG1015700
Chloroethane	U		0.000997	0.00527	1	08/31/2017 22:03	WG1015700
Chloroform	U		0.000241	0.00527	1	08/31/2017 22:03	WG1015700
Chloromethane	0.00171 J	J	0.000395	0.00263	1	09/07/2017 00:09	WG1015700
2-Chlorotoluene	U		0.000317	0.00105	1	08/31/2017 22:03	WG1015700
4-Chlorotoluene	U		0.000253	0.00105	1	08/31/2017 22:03	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00527	1	08/31/2017 22:03	WG1015700
1,2-Dibromoethane	U		0.000361	0.00105	1	08/31/2017 22:03	WG1015700
Dibromomethane	U		0.000402	0.00105	1	08/31/2017 22:03	WG1015700
1,2-Dichlorobenzene	U		0.000321	0.00105	1	08/31/2017 22:03	WG1015700
1,3-Dichlorobenzene	U		0.000252	0.00105	1	08/31/2017 22:03	WG1015700
1,4-Dichlorobenzene	U		0.000238	0.00105	1	08/31/2017 22:03	WG1015700
Dichlorodifluoromethane	U		0.000751	0.00527	1	08/31/2017 22:03	WG1015700
1,1-Dichloroethane	U		0.000210	0.00105	1	08/31/2017 22:03	WG1015700
1,2-Dichloroethane	U		0.000279	0.00105	1	08/31/2017 22:03	WG1015700
1,1-Dichloroethene	0.000521 J	J	0.000319	0.00105	1	08/31/2017 22:03	WG1015700
cis-1,2-Dichloroethene	0.0725 J		0.000248	0.00105	1	09/07/2017 00:09	WG1015700
trans-1,2-Dichloroethene	U		0.000278	0.00105	1	09/07/2017 00:09	WG1015700
1,2-Dichloropropane	U		0.000377	0.00105	1	08/31/2017 22:03	WG1015700
1,1-Dichloropropene	U		0.000334	0.00105	1	08/31/2017 22:03	WG1015700
1,3-Dichloropropane	U		0.000218	0.00105	1	08/31/2017 22:03	WG1015700
cis-1,3-Dichloropropene	U		0.000276	0.00105	1	08/31/2017 22:03	WG1015700
trans-1,3-Dichloropropene	U		0.000281	0.00105	1	08/31/2017 22:03	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000820	0.00263	1	08/31/2017 22:03	WG1015700
2,2-Dichloropropane	U		0.000294	0.00105	1	09/07/2017 00:09	WG1015700
Di-isopropyl ether	U		0.000261	0.00105	1	09/07/2017 00:09	WG1015700
Ethylbenzene	U		0.000313	0.00105	1	08/31/2017 22:03	WG1015700
Hexachloro-1,3-butadiene	U		0.000360	0.00105	1	08/31/2017 22:03	WG1015700
2-Hexanone	U		0.00144	0.0105	1	08/31/2017 22:03	WG1015700
n-Hexane	0.00103 J	J J0	0.000305	0.0105	1	08/31/2017 22:03	WG1015700

Volatile Organic Compounds (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		0.00267	0.0105	1	08/31/2017 22:03	WG1015700
Isopropylbenzene	U		0.000256	0.00105	1	08/31/2017 22:03	WG1015700
p-Isopropyltoluene	U		0.000215	0.00105	1	08/31/2017 22:03	WG1015700
2-Butanone (MEK)	U		0.00493	0.0105	1	08/31/2017 22:03	WG1015700
Methylene Chloride	U	UJ J0	0.00105	0.00527	1	08/31/2017 22:03	WG1015700
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	08/31/2017 22:03	WG1015700
Methyl tert-butyl ether	U		0.000223	0.00105	1	08/31/2017 22:03	WG1015700
Naphthalene	U		0.00105	0.00527	1	08/31/2017 22:03	WG1015700
n-Propylbenzene	U		0.000217	0.00105	1	08/31/2017 22:03	WG1015700
Styrene	U		0.000247	0.00105	1	08/31/2017 22:03	WG1015700
1,1,1,2-Tetrachloroethane	U		0.000278	0.00105	1	08/31/2017 22:03	WG1015700
1,1,2,2-Tetrachloroethane	U		0.000385	0.00105	1	08/31/2017 22:03	WG1015700
1,1,2-Trichlorotrifluoroethane	U		0.000385	0.00105	1	08/31/2017 22:03	WG1015700
Tetrachloroethene	0.0407	J	0.000291	0.00105	1	08/31/2017 22:03	WG1015700
Toluene	U		0.000457	0.00527	1	08/31/2017 22:03	WG1015700
1,2,3-Trichlorobenzene	U		0.000322	0.00105	1	08/31/2017 22:03	WG1015700
1,2,4-Trichlorobenzene	U		0.000409	0.00105	1	08/31/2017 22:03	WG1015700
1,1,1-Trichloroethane	U		0.000301	0.00105	1	09/07/2017 00:09	WG1015700
1,1,2-Trichloroethane	U		0.000292	0.00105	1	08/31/2017 22:03	WG1015700
Trichloroethene	0.0132	J	0.000294	0.00105	1	08/31/2017 22:03	WG1015700
Trichlorofluoromethane	U		0.000402	0.00527	1	08/31/2017 22:03	WG1015700
1,2,3-Trichloropropane	U		0.000781	0.00263	1	08/31/2017 22:03	WG1015700
1,2,4-Trimethylbenzene	U		0.000222	0.00105	1	09/07/2017 00:09	WG1015700
1,2,3-Trimethylbenzene	U		0.000302	0.00105	1	09/07/2017 00:09	WG1015700
1,3,5-Trimethylbenzene	U		0.000280	0.00105	1	08/31/2017 22:03	WG1015700
Vinyl acetate	U		0.00252	0.0105	1	08/31/2017 22:03	WG1015700
Vinyl chloride	0.0143	J	0.000307	0.00105	1	08/31/2017 22:03	WG1015700
Xylenes, Total	U		0.000735	0.00316	1	08/31/2017 22:03	WG1015700
(S) Toluene-d8	*94.1*			*80.0-120*		*09/07/2017 00:09*	WG1015700
(S) Toluene-d8	*99.9*			*80.0-120*		*08/31/2017 22:03*	WG1015700
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/07/2017 00:09*	WG1015700
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*08/31/2017 22:03*	WG1015700
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/07/2017 00:09*	WG1015700
(S) 4-Bromofluorobenzene	*90.8*			*64.0-132*		*08/31/2017 22:03*	WG1015700

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.7		1	09/06/2017 10:08	WG1017021

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.08	3.17	25	09/08/2017 14:15	WG1017991
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*77.0-120*		*09/08/2017 14:15*	WG1017991

Volatile Organic Compounds (GC/MS) 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	0.0127	0.0635	1	08/31/2017 22:23	WG1015700
Acrylonitrile	U		0.00227	0.0127	1	08/31/2017 22:23	WG1015700
Benzene	U		0.000343	0.00127	1	08/31/2017 22:23	WG1015700
Bromobenzene	U		0.000361	0.00127	1	08/31/2017 22:23	WG1015700
Bromodichloromethane	U		0.000323	0.00127	1	08/31/2017 22:23	WG1015700
Bromochloromethane	U		0.000495	0.00635	1	08/31/2017 22:23	WG1015700
Bromoform	U		0.000538	0.00127	1	08/31/2017 22:23	WG1015700
Bromomethane	U		0.00170	0.00635	1	08/31/2017 22:23	WG1015700
n-Butylbenzene	U		0.000328	0.00127	1	08/31/2017 22:23	WG1015700
sec-Butylbenzene	U		0.000255	0.00127	1	08/31/2017 22:23	WG1015700
tert-Butylbenzene	U		0.000262	0.00127	1	08/31/2017 22:23	WG1015700
Carbon disulfide	0.000666 J	J	0.000281	0.00127	1	08/31/2017 22:23	WG1015700
Carbon tetrachloride	U		0.0104	0.0317	25	09/07/2017 12:58	WG1015700
Chlorobenzene	U		0.000269	0.00127	1	08/31/2017 22:23	WG1015700
Chlorodibromomethane	U		0.000474	0.00127	1	08/31/2017 22:23	WG1015700
Chloroethane	U		0.00120	0.00635	1	08/31/2017 22:23	WG1015700
Chloroform	U		0.000291	0.00635	1	08/31/2017 22:23	WG1015700
Chloromethane	U UJ	J0	0.0119	0.0794	25	09/07/2017 12:58	WG1015700
2-Chlorotoluene	U		0.000382	0.00127	1	08/31/2017 22:23	WG1015700
4-Chlorotoluene	U		0.000305	0.00127	1	08/31/2017 22:23	WG1015700
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00635	1	08/31/2017 22:23	WG1015700
1,2-Dibromoethane	U		0.000436	0.00127	1	08/31/2017 22:23	WG1015700
Dibromomethane	U		0.000485	0.00127	1	08/31/2017 22:23	WG1015700
1,2-Dichlorobenzene	U		0.000387	0.00127	1	08/31/2017 22:23	WG1015700
1,3-Dichlorobenzene	U		0.000304	0.00127	1	08/31/2017 22:23	WG1015700
1,4-Dichlorobenzene	U		0.000287	0.00127	1	08/31/2017 22:23	WG1015700
Dichlorodifluoromethane	U		0.000905	0.00635	1	08/31/2017 22:23	WG1015700
1,1-Dichloroethane	U		0.000253	0.00127	1	08/31/2017 22:23	WG1015700
1,2-Dichloroethane	U		0.000337	0.00127	1	08/31/2017 22:23	WG1015700
1,1-Dichloroethene	U		0.000385	0.00127	1	08/31/2017 22:23	WG1015700
cis-1,2-Dichloroethene	U		0.00747	0.0317	25	09/07/2017 12:58	WG1015700
trans-1,2-Dichloroethene	U		0.00838	0.0317	25	09/07/2017 12:58	WG1015700
1,2-Dichloropropane	U		0.000455	0.00127	1	08/31/2017 22:23	WG1015700
1,1-Dichloropropene	U		0.000403	0.00127	1	08/31/2017 22:23	WG1015700
1,3-Dichloropropane	U		0.000263	0.00127	1	08/31/2017 22:23	WG1015700
cis-1,3-Dichloropropene	U		0.000333	0.00127	1	08/31/2017 22:23	WG1015700
trans-1,3-Dichloropropene	U		0.000339	0.00127	1	08/31/2017 22:23	WG1015700
trans-1,4-Dichloro-2-butene	U		0.000988	0.00317	1	08/31/2017 22:23	WG1015700
2,2-Dichloropropane	U		0.00886	0.0317	25	09/07/2017 12:58	WG1015700
Di-isopropyl ether	U UJ	J0	0.00787	0.0317	25	09/07/2017 12:58	WG1015700
Ethylbenzene	U		0.000377	0.00127	1	08/31/2017 22:23	WG1015700
Hexachloro-1,3-butadiene	U		0.000434	0.00127	1	08/31/2017 22:23	WG1015700
2-Hexanone	U		0.00174	0.0127	1	08/31/2017 22:23	WG1015700
n-Hexane	0.00494 J	J J0	0.000368	0.0127	1	08/31/2017 22:23	WG1015700

Volatile Organic Compounds (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			0.00321	0.0127	1	08/31/2017 22:23	WG1015700
Isopropylbenzene	U			0.000309	0.00127	1	08/31/2017 22:23	WG1015700
p-Isopropyltoluene	U			0.000259	0.00127	1	08/31/2017 22:23	WG1015700
2-Butanone (MEK)	U			0.00594	0.0127	1	08/31/2017 22:23	WG1015700
Methylene Chloride	U	UJ	J0	0.00127	0.00635	1	08/31/2017 22:23	WG1015700
4-Methyl-2-pentanone (MIBK)	U			0.00239	0.0127	1	08/31/2017 22:23	WG1015700
Methyl tert-butyl ether	U			0.000269	0.00127	1	08/31/2017 22:23	WG1015700
Naphthalene	U			0.00127	0.00635	1	08/31/2017 22:23	WG1015700
n-Propylbenzene	U			0.000262	0.00127	1	08/31/2017 22:23	WG1015700
Styrene	U			0.000297	0.00127	1	08/31/2017 22:23	WG1015700
1,1,1,2-Tetrachloroethane	U			0.000335	0.00127	1	08/31/2017 22:23	WG1015700
1,1,2,2-Tetrachloroethane	U			0.000464	0.00127	1	08/31/2017 22:23	WG1015700
1,1,2-Trichlorotrifluoroethane	U			0.000464	0.00127	1	08/31/2017 22:23	WG1015700
Tetrachloroethene	0.000676	J	J	0.000350	0.00127	1	08/31/2017 22:23	WG1015700
Toluene	U			0.000551	0.00635	1	08/31/2017 22:23	WG1015700
1,2,3-Trichlorobenzene	U			0.000389	0.00127	1	08/31/2017 22:23	WG1015700
1,2,4-Trichlorobenzene	U			0.000493	0.00127	1	08/31/2017 22:23	WG1015700
1,1,1-Trichloroethane	U			0.00908	0.0317	25	09/07/2017 12:58	WG1015700
1,1,2-Trichloroethane	U			0.000352	0.00127	1	08/31/2017 22:23	WG1015700
Trichloroethene	U			0.000354	0.00127	1	08/31/2017 22:23	WG1015700
Trichlorofluoromethane	U			0.000485	0.00635	1	08/31/2017 22:23	WG1015700
1,2,3-Trichloropropane	U			0.000941	0.00317	1	08/31/2017 22:23	WG1015700
1,2,4-Trimethylbenzene	U			0.00671	0.0317	25	09/07/2017 12:58	WG1015700
1,2,3-Trimethylbenzene	U			0.00912	0.0317	25	09/07/2017 12:58	WG1015700
1,3,5-Trimethylbenzene	U			0.000338	0.00127	1	08/31/2017 22:23	WG1015700
Vinyl acetate	U			0.00304	0.0127	1	08/31/2017 22:23	WG1015700
Vinyl chloride	U			0.000370	0.00127	1	08/31/2017 22:23	WG1015700
Xylenes, Total	U			0.000886	0.00381	1	08/31/2017 22:23	WG1015700
(S) Toluene-d8	*100*				*80.0-120*		*08/31/2017 22:23*	WG1015700
(S) Toluene-d8	*107*				*80.0-120*		*09/07/2017 12:58*	WG1015700
(S) Dibromofluoromethane	*95.5*				*74.0-131*		*09/07/2017 12:58*	WG1015700
(S) Dibromofluoromethane	*93.6*				*74.0-131*		*08/31/2017 22:23*	WG1015700
(S) 4-Bromofluorobenzene	*92.2*				*64.0-132*		*08/31/2017 22:23*	WG1015700
(S) 4-Bromofluorobenzene	*102*				*64.0-132*		*09/07/2017 12:58*	WG1015700

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	1.91	J	1.05	25.0	1	08/31/2017 00:26	WG1015444
Acrylonitrile	U		0.873	5.00	1	08/31/2017 00:26	WG1015444
Benzene	U		0.0896	0.500	1	08/31/2017 00:26	WG1015444
Bromobenzene	U		0.133	0.500	1	08/31/2017 00:26	WG1015444
Bromodichloromethane	U		0.0800	0.500	1	08/31/2017 00:26	WG1015444
Bromochloromethane	U		0.145	0.500	1	08/31/2017 00:26	WG1015444
Bromoform	U		0.186	0.500	1	08/31/2017 00:26	WG1015444
Bromomethane	U		0.157	2.50	1	08/31/2017 00:26	WG1015444
n-Butylbenzene	U		0.143	0.500	1	08/31/2017 00:26	WG1015444
sec-Butylbenzene	U		0.134	0.500	1	08/31/2017 00:26	WG1015444
tert-Butylbenzene	U		0.183	0.500	1	08/31/2017 00:26	WG1015444
Carbon disulfide	U		0.101	0.500	1	08/31/2017 00:26	WG1015444
Carbon tetrachloride	U		0.159	0.500	1	08/31/2017 00:26	WG1015444
Chlorobenzene	U		0.140	0.500	1	08/31/2017 00:26	WG1015444
Chlorodibromomethane	U		0.128	0.500	1	08/31/2017 00:26	WG1015444
Chloroethane	U		0.141	2.50	1	08/31/2017 00:26	WG1015444
Chloroform	U		0.0860	0.500	1	08/31/2017 00:26	WG1015444
Chloromethane	U		0.153	1.25	1	08/31/2017 00:26	WG1015444
2-Chlorotoluene	U		0.111	0.500	1	08/31/2017 00:26	WG1015444
4-Chlorotoluene	U		0.0972	0.500	1	08/31/2017 00:26	WG1015444
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	08/31/2017 00:26	WG1015444
1,2-Dibromoethane	U		0.193	0.500	1	08/31/2017 00:26	WG1015444
Dibromomethane	U		0.117	0.500	1	08/31/2017 00:26	WG1015444
1,2-Dichlorobenzene	U		0.101	0.500	1	08/31/2017 00:26	WG1015444
1,3-Dichlorobenzene	U		0.130	0.500	1	08/31/2017 00:26	WG1015444
1,4-Dichlorobenzene	U		0.121	0.500	1	08/31/2017 00:26	WG1015444
Dichlorodifluoromethane	U		0.127	2.50	1	08/31/2017 00:26	WG1015444
1,1-Dichloroethane	U		0.114	0.500	1	08/31/2017 00:26	WG1015444
1,2-Dichloroethane	U		0.108	0.500	1	08/31/2017 00:26	WG1015444
1,1-Dichloroethene	U		0.188	0.500	1	08/31/2017 00:26	WG1015444
cis-1,2-Dichloroethene	U		0.0933	0.500	1	08/31/2017 00:26	WG1015444
trans-1,2-Dichloroethene	U		0.152	0.500	1	08/31/2017 00:26	WG1015444
1,2-Dichloropropane	U		0.190	0.500	1	08/31/2017 00:26	WG1015444
1,1-Dichloropropene	U		0.128	0.500	1	08/31/2017 00:26	WG1015444
1,3-Dichloropropane	U		0.147	1.00	1	08/31/2017 00:26	WG1015444
cis-1,3-Dichloropropene	U		0.0976	0.500	1	08/31/2017 00:26	WG1015444
trans-1,3-Dichloropropene	U		0.222	0.500	1	08/31/2017 00:26	WG1015444
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	08/31/2017 00:26	WG1015444
2,2-Dichloropropane	U		0.0929	0.500	1	08/31/2017 00:26	WG1015444
Di-isopropyl ether	U		0.0924	0.500	1	08/31/2017 00:26	WG1015444
Ethylbenzene	U		0.158	0.500	1	08/31/2017 00:26	WG1015444
Hexachloro-1,3-butadiene	U		0.157	1.00	1	08/31/2017 00:26	WG1015444
2-Hexanone	U		0.757	5.00	1	08/31/2017 00:26	WG1015444
n-Hexane	U		0.305	5.00	1	08/31/2017 00:26	WG1015444
Iodomethane	U		0.377	10.0	1	08/31/2017 00:26	WG1015444
Isopropylbenzene	U		0.126	0.500	1	08/31/2017 00:26	WG1015444
p-Isopropyltoluene	U		0.138	0.500	1	08/31/2017 00:26	WG1015444
2-Butanone (MEK)	U		1.28	5.00	1	08/31/2017 00:26	WG1015444
Methylene Chloride	U		1.07	2.50	1	08/31/2017 00:26	WG1015444
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	08/31/2017 00:26	WG1015444
Methyl tert-butyl ether	U		0.102	0.500	1	08/31/2017 00:26	WG1015444
Naphthalene	U		0.174	2.50	1	08/31/2017 00:26	WG1015444
n-Propylbenzene	U		0.162	0.500	1	08/31/2017 00:26	WG1015444
Styrene	U		0.117	0.500	1	08/31/2017 00:26	WG1015444
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	08/31/2017 00:26	WG1015444
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	08/31/2017 00:26	WG1015444

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	08/31/2017 00:26	WG1015444
Tetrachloroethene	U		0.199	0.500	1	08/31/2017 00:26	WG1015444
Toluene	U		0.412	0.500	1	08/31/2017 00:26	WG1015444
1,2,3-Trichlorobenzene	U		0.164	0.500	1	08/31/2017 00:26	WG1015444
1,2,4-Trichlorobenzene	U		0.355	0.500	1	08/31/2017 00:26	WG1015444
1,1,1-Trichloroethane	U		0.0940	0.500	1	08/31/2017 00:26	WG1015444
1,1,2-Trichloroethane	U		0.186	0.500	1	08/31/2017 00:26	WG1015444
Trichloroethene	U		0.153	0.500	1	08/31/2017 00:26	WG1015444
Trichlorofluoromethane	U		0.130	2.50	1	08/31/2017 00:26	WG1015444
1,2,3-Trichloropropane	U		0.247	2.50	1	08/31/2017 00:26	WG1015444
1,2,4-Trimethylbenzene	U		0.123	0.500	1	08/31/2017 00:26	WG1015444
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	08/31/2017 00:26	WG1015444
1,3,5-Trimethylbenzene	U		0.124	0.500	1	08/31/2017 00:26	WG1015444
Vinyl acetate	U		0.645	5.00	1	08/31/2017 00:26	WG1015444
Vinyl chloride	U		0.118	0.500	1	08/31/2017 00:26	WG1015444
Xylenes, Total	U		0.316	1.50	1	08/31/2017 00:26	WG1015444
(S) Toluene-d8	*104*			*80.0-120*		*08/31/2017 00:26*	WG1015444
(S) Dibromofluoromethane	*106*			*76.0-123*		*08/31/2017 00:26*	WG1015444
(S) 4-Bromofluorobenzene	*97.0*			*80.0-120*		*08/31/2017 00:26*	WG1015444

ANALYTICAL REPORT

September 11, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L933267
Samples Received:	08/31/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

B-205-10 L933267-01 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 09:30 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017613	1	09/07/17 13:08	09/07/17 13:21	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1016318	100	08/30/17 09:30	09/03/17 18:33	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	100	08/30/17 09:30	09/04/17 19:52	JHH

B-205-55 L933267-02 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 11:35 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017613	1	09/07/17 13:08	09/07/17 13:21	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1016318	1	08/30/17 11:35	09/03/17 18:57	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	1	08/30/17 11:35	09/04/17 20:13	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	25	08/30/17 11:35	09/07/17 15:14	BMB

B-205-40-W L933267-03 GW

Collected by: Shannon McKernan | Collected date/time: 08/30/17 10:30 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1016529	1	09/03/17 16:39	09/03/17 16:39	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016167	100	09/06/17 17:31	09/06/17 17:31	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016167	100	09/08/17 02:19	09/08/17 02:19	JHH

MW-140-15 L933267-04 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 10:30 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017613	1	09/07/17 13:08	09/07/17 13:21	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	1	08/30/17 10:30	09/04/17 20:34	JHH

MW-140-25 L933267-05 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 11:00 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017613	1	09/07/17 13:08	09/07/17 13:21	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	1	08/30/17 11:00	09/04/17 20:54	JHH

MW-140-35 L933267-06 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 11:35 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017613	1	09/07/17 13:08	09/07/17 13:21	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	200	08/30/17 11:35	09/07/17 15:40	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	25	08/30/17 11:35	09/04/17 21:15	JHH

B-205-65 L933267-07 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 12:20 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017613	1	09/07/17 13:08	09/07/17 13:21	MLW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1016318	1	08/30/17 12:20	09/03/17 20:32	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	1	08/30/17 12:20	09/04/17 21:35	JHH

B-205-75 L933267-08 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 15:00 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017613	1	09/07/17 13:08	09/07/17 13:21	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	1	08/30/17 15:00	09/04/17 21:56	JHH

B-904-50 L933267-09 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 16:05 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017615	1	09/07/17 11:23	09/07/17 11:37	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	1	08/30/17 16:05	09/04/17 22:17	JHH

MW-140-45 L933267-10 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 12:20 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017615	1	09/07/17 11:23	09/07/17 11:37	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	1	08/30/17 12:20	09/04/17 22:37	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	200	08/30/17 12:20	09/07/17 20:25	BMB

MW-140-55 L933267-11 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 13:20 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017615	1	09/07/17 11:23	09/07/17 11:37	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	1	08/30/17 13:20	09/04/17 22:58	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	25	08/30/17 13:20	09/07/17 16:32	BMB

MW-140-65 L933267-12 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 14:35 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017615	1	09/07/17 11:23	09/07/17 11:37	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	1	08/30/17 14:35	09/04/17 23:18	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	25.25	08/30/17 14:35	09/07/17 16:58	BMB

MW-140-75 L933267-13 Solid

Collected by: Shannon McKernan | Collected date/time: 08/30/17 15:35 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017615	1	09/07/17 11:23	09/07/17 11:37	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016266	25	08/30/17 15:35	09/07/17 17:24	BMB

TRIP BLANK L933267-14 GW

Collected by: Shannon McKernan | Collected date/time: 06/08/17 00:00 | Received date/time: 08/31/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015996	1	09/01/17 10:16	09/01/17 10:16	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1015996	1	09/08/17 11:14	09/08/17 11:14	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	82.9		1	09/07/2017 13:21	WG1017613

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	274		4.09	12.1	100	09/03/2017 18:33	WG1016318
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*77.0-120*		*09/03/2017 18:33*	WG1016318

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.21	6.03	100	09/04/2017 19:52	WG1016266
Acrylonitrile	U		0.216	1.21	100	09/04/2017 19:52	WG1016266
Benzene	0.304		0.0326	0.121	100	09/04/2017 19:52	WG1016266
Bromobenzene	U		0.0343	0.121	100	09/04/2017 19:52	WG1016266
Bromodichloromethane	U	J3	0.0306	0.121	100	09/04/2017 19:52	WG1016266
Bromochloromethane	U		0.0470	0.603	100	09/04/2017 19:52	WG1016266
Bromoform	U		0.0511	0.121	100	09/04/2017 19:52	WG1016266
Bromomethane	U	J3	0.162	0.603	100	09/04/2017 19:52	WG1016266
n-Butylbenzene	0.973		0.0311	0.121	100	09/04/2017 19:52	WG1016266
sec-Butylbenzene	0.642		0.0242	0.121	100	09/04/2017 19:52	WG1016266
tert-Butylbenzene	U		0.0248	0.121	100	09/04/2017 19:52	WG1016266
Carbon disulfide	U	J6	0.0267	0.121	100	09/04/2017 19:52	WG1016266
Carbon tetrachloride	U		0.0396	0.121	100	09/04/2017 19:52	WG1016266
Chlorobenzene	U		0.0256	0.121	100	09/04/2017 19:52	WG1016266
Chlorodibromomethane	U		0.0450	0.121	100	09/04/2017 19:52	WG1016266
Chloroethane	U		0.114	0.603	100	09/04/2017 19:52	WG1016266
Chloroform	U		0.0276	0.603	100	09/04/2017 19:52	WG1016266
Chloromethane	U		0.0452	0.302	100	09/04/2017 19:52	WG1016266
2-Chlorotoluene	U		0.0363	0.121	100	09/04/2017 19:52	WG1016266
4-Chlorotoluene	U		0.0289	0.121	100	09/04/2017 19:52	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.127	0.603	100	09/04/2017 19:52	WG1016266
1,2-Dibromoethane	U		0.0414	0.121	100	09/04/2017 19:52	WG1016266
Dibromomethane	U	J3	0.0461	0.121	100	09/04/2017 19:52	WG1016266
1,2-Dichlorobenzene	U		0.0368	0.121	100	09/04/2017 19:52	WG1016266
1,3-Dichlorobenzene	U		0.0288	0.121	100	09/04/2017 19:52	WG1016266
1,4-Dichlorobenzene	U		0.0273	0.121	100	09/04/2017 19:52	WG1016266
Dichlorodifluoromethane	U		0.0860	0.603	100	09/04/2017 19:52	WG1016266
1,1-Dichloroethane	U		0.0240	0.121	100	09/04/2017 19:52	WG1016266
1,2-Dichloroethane	U	J3	0.0320	0.121	100	09/04/2017 19:52	WG1016266
1,1-Dichloroethene	U		0.0365	0.121	100	09/04/2017 19:52	WG1016266
cis-1,2-Dichloroethene	U		0.0283	0.121	100	09/04/2017 19:52	WG1016266
trans-1,2-Dichloroethene	U		0.0318	0.121	100	09/04/2017 19:52	WG1016266
1,2-Dichloropropane	U		0.0432	0.121	100	09/04/2017 19:52	WG1016266
1,1-Dichloropropene	U		0.0382	0.121	100	09/04/2017 19:52	WG1016266
1,3-Dichloropropane	U	J3	0.0250	0.121	100	09/04/2017 19:52	WG1016266
cis-1,3-Dichloropropene	U	J3	0.0316	0.121	100	09/04/2017 19:52	WG1016266
trans-1,3-Dichloropropene	U		0.0322	0.121	100	09/04/2017 19:52	WG1016266
trans-1,4-Dichloro-2-butene	U		0.0938	0.302	100	09/04/2017 19:52	WG1016266
2,2-Dichloropropane	U		0.0336	0.121	100	09/04/2017 19:52	WG1016266
Di-isopropyl ether	U		0.0299	0.121	100	09/04/2017 19:52	WG1016266
Ethylbenzene	4.74		0.0358	0.121	100	09/04/2017 19:52	WG1016266
Hexachloro-1,3-butadiene	U		0.0412	0.121	100	09/04/2017 19:52	WG1016266
2-Hexanone	U	J3	0.165	1.21	100	09/04/2017 19:52	WG1016266
n-Hexane	U	J6	0.0350	1.21	100	09/04/2017 19:52	WG1016266

Volatile Organic Compounds (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		0.305	1.21	100	09/04/2017 19:52	WG1016266
Isopropylbenzene	0.851		0.0293	0.121	100	09/04/2017 19:52	WG1016266
p-Isopropyltoluene	0.255		0.0246	0.121	100	09/04/2017 19:52	WG1016266
2-Butanone (MEK)	U		0.564	1.21	100	09/04/2017 19:52	WG1016266
Methylene Chloride	U		0.121	0.603	100	09/04/2017 19:52	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.227	1.21	100	09/04/2017 19:52	WG1016266
Methyl tert-butyl ether	U		0.0256	0.121	100	09/04/2017 19:52	WG1016266
Naphthalene	5.21		0.121	0.603	100	09/04/2017 19:52	WG1016266
n-Propylbenzene	2.84		0.0248	0.121	100	09/04/2017 19:52	WG1016266
Styrene	U	J3	0.0282	0.121	100	09/04/2017 19:52	WG1016266
1,1,1,2-Tetrachloroethane	U		0.0318	0.121	100	09/04/2017 19:52	WG1016266
1,1,2,2-Tetrachloroethane	U		0.0440	0.121	100	09/04/2017 19:52	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.0440	0.121	100	09/04/2017 19:52	WG1016266
Tetrachloroethene	U		0.0333	0.121	100	09/04/2017 19:52	WG1016266
Toluene	0.372	J	0.0523	0.603	100	09/04/2017 19:52	WG1016266
1,2,3-Trichlorobenzene	U		0.0369	0.121	100	09/04/2017 19:52	WG1016266
1,2,4-Trichlorobenzene	U		0.0468	0.121	100	09/04/2017 19:52	WG1016266
1,1,1-Trichloroethane	U		0.0345	0.121	100	09/04/2017 19:52	WG1016266
1,1,2-Trichloroethane	U		0.0334	0.121	100	09/04/2017 19:52	WG1016266
Trichloroethene	U		0.0336	0.121	100	09/04/2017 19:52	WG1016266
Trichlorofluoromethane	U		0.0461	0.603	100	09/04/2017 19:52	WG1016266
1,2,3-Trichloropropane	U		0.0894	0.302	100	09/04/2017 19:52	WG1016266
1,2,4-Trimethylbenzene	17.0	V	0.0254	0.121	100	09/04/2017 19:52	WG1016266
1,2,3-Trimethylbenzene	5.03		0.0346	0.121	100	09/04/2017 19:52	WG1016266
1,3,5-Trimethylbenzene	3.37		0.0321	0.121	100	09/04/2017 19:52	WG1016266
Vinyl acetate	U		0.288	1.21	100	09/04/2017 19:52	WG1016266
Vinyl chloride	U		0.0351	0.121	100	09/04/2017 19:52	WG1016266
Xylenes, Total	6.02		0.0842	0.362	100	09/04/2017 19:52	WG1016266
(S) Toluene-d8	*106*			*80.0-120*		*09/04/2017 19:52*	WG1016266
(S) Dibromofluoromethane	*88.5*			*74.0-131*		*09/04/2017 19:52*	WG1016266
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*09/04/2017 19:52*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	09/07/2017 13:21	WG1017613

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		0.0396	0.117	1	09/03/2017 18:57	WG1016318
(S) a,a,a-Trifluorotoluene(FID)	*94.3*			*77.0-120*		*09/03/2017 18:57*	WG1016318

Volatile Organic Compounds (GC/MS) 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	0.0584	1	09/04/2017 20:13	WG1016266
Acrylonitrile	U		0.00209	0.0117	1	09/04/2017 20:13	WG1016266
Benzene	U		0.000315	0.00117	1	09/04/2017 20:13	WG1016266
Bromobenzene	U		0.000332	0.00117	1	09/04/2017 20:13	WG1016266
Bromodichloromethane	U		0.000297	0.00117	1	09/04/2017 20:13	WG1016266
Bromochloromethane	U		0.000456	0.00584	1	09/04/2017 20:13	WG1016266
Bromoform	U		0.000495	0.00117	1	09/04/2017 20:13	WG1016266
Bromomethane	U		0.00157	0.00584	1	09/04/2017 20:13	WG1016266
n-Butylbenzene	U		0.000301	0.00117	1	09/04/2017 20:13	WG1016266
sec-Butylbenzene	U		0.000235	0.00117	1	09/04/2017 20:13	WG1016266
tert-Butylbenzene	U		0.000241	0.00117	1	09/04/2017 20:13	WG1016266
Carbon disulfide	0.00157		0.000258	0.00117	1	09/04/2017 20:13	WG1016266
Carbon tetrachloride	U		0.000383	0.00117	1	09/04/2017 20:13	WG1016266
Chlorobenzene	U		0.000248	0.00117	1	09/04/2017 20:13	WG1016266
Chlorodibromomethane	U		0.000436	0.00117	1	09/04/2017 20:13	WG1016266
Chloroethane	U		0.00111	0.00584	1	09/04/2017 20:13	WG1016266
Chloroform	U		0.000268	0.00584	1	09/04/2017 20:13	WG1016266
Chloromethane	U		0.000438	0.00292	1	09/04/2017 20:13	WG1016266
2-Chlorotoluene	U		0.000352	0.00117	1	09/04/2017 20:13	WG1016266
4-Chlorotoluene	U		0.000280	0.00117	1	09/04/2017 20:13	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	09/04/2017 20:13	WG1016266
1,2-Dibromoethane	U		0.000401	0.00117	1	09/04/2017 20:13	WG1016266
Dibromomethane	U		0.000446	0.00117	1	09/04/2017 20:13	WG1016266
1,2-Dichlorobenzene	U		0.000356	0.00117	1	09/04/2017 20:13	WG1016266
1,3-Dichlorobenzene	U		0.000279	0.00117	1	09/04/2017 20:13	WG1016266
1,4-Dichlorobenzene	U		0.000264	0.00117	1	09/04/2017 20:13	WG1016266
Dichlorodifluoromethane	U		0.000833	0.00584	1	09/04/2017 20:13	WG1016266
1,1-Dichloroethane	U		0.000232	0.00117	1	09/04/2017 20:13	WG1016266
1,2-Dichloroethane	U		0.000310	0.00117	1	09/04/2017 20:13	WG1016266
1,1-Dichloroethene	U		0.000354	0.00117	1	09/04/2017 20:13	WG1016266
cis-1,2-Dichloroethene	0.0155		0.000275	0.00117	1	09/04/2017 20:13	WG1016266
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	09/04/2017 20:13	WG1016266
1,2-Dichloropropane	U		0.000418	0.00117	1	09/04/2017 20:13	WG1016266
1,1-Dichloropropene	U		0.000370	0.00117	1	09/04/2017 20:13	WG1016266
1,3-Dichloropropane	U		0.000242	0.00117	1	09/04/2017 20:13	WG1016266
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	09/04/2017 20:13	WG1016266
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	09/04/2017 20:13	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000909	0.00292	1	09/04/2017 20:13	WG1016266
2,2-Dichloropropane	U		0.000326	0.00117	1	09/04/2017 20:13	WG1016266
Di-isopropyl ether	U		0.000290	0.00117	1	09/04/2017 20:13	WG1016266
Ethylbenzene	U		0.000347	0.00117	1	09/04/2017 20:13	WG1016266
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	09/04/2017 20:13	WG1016266
2-Hexanone	U		0.00160	0.0117	1	09/04/2017 20:13	WG1016266
n-Hexane	0.00466	J	0.000339	0.0117	1	09/04/2017 20:13	WG1016266

Volatile Organic Compounds (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		0.00296	0.0117	1	09/04/2017 20:13	WG1016266
Isopropylbenzene	U		0.000284	0.00117	1	09/04/2017 20:13	WG1016266
p-Isopropyltoluene	U		0.000238	0.00117	1	09/04/2017 20:13	WG1016266
2-Butanone (MEK)	U		0.00547	0.0117	1	09/04/2017 20:13	WG1016266
Methylene Chloride	U		0.00117	0.00584	1	09/04/2017 20:13	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	09/04/2017 20:13	WG1016266
Methyl tert-butyl ether	U		0.000248	0.00117	1	09/04/2017 20:13	WG1016266
Naphthalene	U		0.00117	0.00584	1	09/04/2017 20:13	WG1016266
n-Propylbenzene	U		0.000241	0.00117	1	09/04/2017 20:13	WG1016266
Styrene	U		0.000273	0.00117	1	09/04/2017 20:13	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	09/04/2017 20:13	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	09/04/2017 20:13	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	09/04/2017 20:13	WG1016266
Tetrachloroethene	0.0625		0.000322	0.00117	1	09/04/2017 20:13	WG1016266
Toluene	U		0.000507	0.00584	1	09/04/2017 20:13	WG1016266
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	09/04/2017 20:13	WG1016266
1,2,4-Trichlorobenzene	U		0.000453	0.00117	1	09/04/2017 20:13	WG1016266
1,1,1-Trichloroethane	U		0.000334	0.00117	1	09/04/2017 20:13	WG1016266
1,1,2-Trichloroethane	U		0.000324	0.00117	1	09/04/2017 20:13	WG1016266
Trichloroethene	0.00923		0.000326	0.00117	1	09/04/2017 20:13	WG1016266
Trichlorofluoromethane	U		0.000446	0.00584	1	09/04/2017 20:13	WG1016266
1,2,3-Trichloropropane	U		0.000866	0.00292	1	09/04/2017 20:13	WG1016266
1,2,4-Trimethylbenzene	U		0.00617	0.0292	25	09/07/2017 15:14	WG1016266
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	09/04/2017 20:13	WG1016266
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	09/04/2017 20:13	WG1016266
Vinyl acetate	U		0.00279	0.0117	1	09/04/2017 20:13	WG1016266
Vinyl chloride	0.00562		0.000340	0.00117	1	09/04/2017 20:13	WG1016266
Xylenes, Total	U		0.000815	0.00350	1	09/04/2017 20:13	WG1016266
(S) Toluene-d8	*91.1*			*80.0-120*		*09/07/2017 15:14*	WG1016266
(S) Toluene-d8	*102*			*80.0-120*		*09/04/2017 20:13*	WG1016266
(S) Dibromofluoromethane	*92.1*			*74.0-131*		*09/04/2017 20:13*	WG1016266
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/07/2017 15:14*	WG1016266
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*		*09/04/2017 20:13*	WG1016266
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*09/07/2017 15:14*	WG1016266

Sample Narrative:

L933267-02 WG1016266: No low level sodium bisulfite vials remaining for analysis.

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	6550		31.6	100	1	09/03/2017 16:39	WG1016529
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-122*		*09/03/2017 16:39*	WG1016529

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		105	2500	100	09/06/2017 17:31	WG1016167
Acrylonitrile	U		87.3	500	100	09/06/2017 17:31	WG1016167
Benzene	U		8.96	50.0	100	09/06/2017 17:31	WG1016167
Bromobenzene	U		13.3	50.0	100	09/06/2017 17:31	WG1016167
Bromodichloromethane	U		8.00	50.0	100	09/06/2017 17:31	WG1016167
Bromochloromethane	U		14.5	50.0	100	09/06/2017 17:31	WG1016167
Bromoform	U		18.6	50.0	100	09/06/2017 17:31	WG1016167
Bromomethane	U		15.7	250	100	09/08/2017 02:19	WG1016167
n-Butylbenzene	U		14.3	50.0	100	09/06/2017 17:31	WG1016167
sec-Butylbenzene	U		13.4	50.0	100	09/06/2017 17:31	WG1016167
tert-Butylbenzene	U		18.3	50.0	100	09/06/2017 17:31	WG1016167
Carbon disulfide	U		10.1	50.0	100	09/06/2017 17:31	WG1016167
Carbon tetrachloride	U		15.9	50.0	100	09/06/2017 17:31	WG1016167
Chlorobenzene	U		14.0	50.0	100	09/06/2017 17:31	WG1016167
Chlorodibromomethane	U		12.8	50.0	100	09/06/2017 17:31	WG1016167
Chloroethane	U		14.1	250	100	09/06/2017 17:31	WG1016167
Chloroform	U		8.60	50.0	100	09/06/2017 17:31	WG1016167
Chloromethane	U		15.3	125	100	09/06/2017 17:31	WG1016167
2-Chlorotoluene	U		11.1	50.0	100	09/06/2017 17:31	WG1016167
4-Chlorotoluene	U		9.72	50.0	100	09/06/2017 17:31	WG1016167
1,2-Dibromo-3-Chloropropane	U		32.5	250	100	09/06/2017 17:31	WG1016167
1,2-Dibromoethane	U		19.3	50.0	100	09/06/2017 17:31	WG1016167
Dibromomethane	U		11.7	50.0	100	09/06/2017 17:31	WG1016167
1,2-Dichlorobenzene	U		10.1	50.0	100	09/06/2017 17:31	WG1016167
1,3-Dichlorobenzene	U		13.0	50.0	100	09/06/2017 17:31	WG1016167
1,4-Dichlorobenzene	U		12.1	50.0	100	09/06/2017 17:31	WG1016167
Dichlorodifluoromethane	U		12.7	250	100	09/06/2017 17:31	WG1016167
1,1-Dichloroethane	U		11.4	50.0	100	09/06/2017 17:31	WG1016167
1,2-Dichloroethane	U		10.8	50.0	100	09/06/2017 17:31	WG1016167
1,1-Dichloroethene	U		18.8	50.0	100	09/06/2017 17:31	WG1016167
cis-1,2-Dichloroethene	5670		9.33	50.0	100	09/06/2017 17:31	WG1016167
trans-1,2-Dichloroethene	30.1	J	15.2	50.0	100	09/06/2017 17:31	WG1016167
1,2-Dichloropropane	U		19.0	50.0	100	09/06/2017 17:31	WG1016167
1,1-Dichloropropene	U		12.8	50.0	100	09/06/2017 17:31	WG1016167
1,3-Dichloropropane	U		14.7	100	100	09/06/2017 17:31	WG1016167
cis-1,3-Dichloropropene	U		9.76	50.0	100	09/06/2017 17:31	WG1016167
trans-1,3-Dichloropropene	U		22.2	50.0	100	09/06/2017 17:31	WG1016167
trans-1,4-Dichloro-2-butene	U		25.7	500	100	09/06/2017 17:31	WG1016167
2,2-Dichloropropane	U		9.29	50.0	100	09/06/2017 17:31	WG1016167
Di-isopropyl ether	U		9.24	50.0	100	09/06/2017 17:31	WG1016167
Ethylbenzene	U		15.8	50.0	100	09/06/2017 17:31	WG1016167
Hexachloro-1,3-butadiene	U		15.7	100	100	09/06/2017 17:31	WG1016167
2-Hexanone	U		75.7	500	100	09/06/2017 17:31	WG1016167
n-Hexane	U		30.5	500	100	09/06/2017 17:31	WG1016167
Iodomethane	U		37.7	1000	100	09/06/2017 17:31	WG1016167
Isopropylbenzene	U		12.6	50.0	100	09/06/2017 17:31	WG1016167
p-Isopropyltoluene	U		13.8	50.0	100	09/06/2017 17:31	WG1016167
2-Butanone (MEK)	U		128	500	100	09/06/2017 17:31	WG1016167

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		107	250	100	09/06/2017 17:31	WG1016167
4-Methyl-2-pentanone (MIBK)	U		82.3	500	100	09/06/2017 17:31	WG1016167
Methyl tert-butyl ether	U		10.2	50.0	100	09/06/2017 17:31	WG1016167
Naphthalene	U		17.4	250	100	09/06/2017 17:31	WG1016167
n-Propylbenzene	U		16.2	50.0	100	09/06/2017 17:31	WG1016167
Styrene	U		11.7	50.0	100	09/06/2017 17:31	WG1016167
1,1,1,2-Tetrachloroethane	U		12.0	50.0	100	09/06/2017 17:31	WG1016167
1,1,2,2-Tetrachloroethane	U		13.0	50.0	100	09/06/2017 17:31	WG1016167
1,1,2-Trichlorotrifluoroethane	U		16.4	50.0	100	09/06/2017 17:31	WG1016167
Tetrachloroethene	10300		19.9	50.0	100	09/06/2017 17:31	WG1016167
Toluene	55.6		41.2	50.0	100	09/06/2017 17:31	WG1016167
1,2,3-Trichlorobenzene	U		16.4	50.0	100	09/06/2017 17:31	WG1016167
1,2,4-Trichlorobenzene	U		35.5	50.0	100	09/06/2017 17:31	WG1016167
1,1,1-Trichloroethane	U		9.40	50.0	100	09/06/2017 17:31	WG1016167
1,1,2-Trichloroethane	U		18.6	50.0	100	09/06/2017 17:31	WG1016167
Trichloroethene	1130		15.3	50.0	100	09/06/2017 17:31	WG1016167
Trichlorofluoromethane	U		13.0	250	100	09/06/2017 17:31	WG1016167
1,2,3-Trichloropropane	U		24.7	250	100	09/06/2017 17:31	WG1016167
1,2,4-Trimethylbenzene	U		12.3	50.0	100	09/06/2017 17:31	WG1016167
1,2,3-Trimethylbenzene	U		7.39	50.0	100	09/06/2017 17:31	WG1016167
1,3,5-Trimethylbenzene	U		12.4	50.0	100	09/06/2017 17:31	WG1016167
Vinyl acetate	U		64.5	500	100	09/06/2017 17:31	WG1016167
Vinyl chloride	1010		11.8	50.0	100	09/06/2017 17:31	WG1016167
Xylenes, Total	U		31.6	150	100	09/06/2017 17:31	WG1016167
(S) Toluene-d8	*105*			*80.0-120*		*09/06/2017 17:31*	WG1016167
(S) Toluene-d8	*102*			*80.0-120*		*09/08/2017 02:19*	WG1016167
(S) Dibromofluoromethane	*106*			*76.0-123*		*09/08/2017 02:19*	WG1016167
(S) Dibromofluoromethane	*112*			*76.0-123*		*09/06/2017 17:31*	WG1016167
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*09/08/2017 02:19*	WG1016167
(S) 4-Bromofluorobenzene	*113*			*80.0-120*		*09/06/2017 17:31*	WG1016167

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	09/07/2017 13:21	WG1017613

Volatile Organic Compounds (GC/MS) 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	0.0570	1	09/04/2017 20:34	WG1016266
Acrylonitrile	U		0.00204	0.0114	1	09/04/2017 20:34	WG1016266
Benzene	U		0.000308	0.00114	1	09/04/2017 20:34	WG1016266
Bromobenzene	U		0.000324	0.00114	1	09/04/2017 20:34	WG1016266
Bromodichloromethane	U		0.000290	0.00114	1	09/04/2017 20:34	WG1016266
Bromochloromethane	U		0.000445	0.00570	1	09/04/2017 20:34	WG1016266
Bromoform	U		0.000484	0.00114	1	09/04/2017 20:34	WG1016266
Bromomethane	U		0.00153	0.00570	1	09/04/2017 20:34	WG1016266
n-Butylbenzene	U		0.000294	0.00114	1	09/04/2017 20:34	WG1016266
sec-Butylbenzene	U		0.000229	0.00114	1	09/04/2017 20:34	WG1016266
tert-Butylbenzene	U		0.000235	0.00114	1	09/04/2017 20:34	WG1016266
Carbon disulfide	U		0.000252	0.00114	1	09/04/2017 20:34	WG1016266
Carbon tetrachloride	U		0.000374	0.00114	1	09/04/2017 20:34	WG1016266
Chlorobenzene	U		0.000242	0.00114	1	09/04/2017 20:34	WG1016266
Chlorodibromomethane	U		0.000425	0.00114	1	09/04/2017 20:34	WG1016266
Chloroethane	U		0.00108	0.00570	1	09/04/2017 20:34	WG1016266
Chloroform	U		0.000261	0.00570	1	09/04/2017 20:34	WG1016266
Chloromethane	U		0.000428	0.00285	1	09/04/2017 20:34	WG1016266
2-Chlorotoluene	U		0.000343	0.00114	1	09/04/2017 20:34	WG1016266
4-Chlorotoluene	U		0.000274	0.00114	1	09/04/2017 20:34	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	09/04/2017 20:34	WG1016266
1,2-Dibromoethane	U		0.000391	0.00114	1	09/04/2017 20:34	WG1016266
Dibromomethane	U		0.000436	0.00114	1	09/04/2017 20:34	WG1016266
1,2-Dichlorobenzene	U		0.000348	0.00114	1	09/04/2017 20:34	WG1016266
1,3-Dichlorobenzene	U		0.000273	0.00114	1	09/04/2017 20:34	WG1016266
1,4-Dichlorobenzene	U		0.000258	0.00114	1	09/04/2017 20:34	WG1016266
Dichlorodifluoromethane	U		0.000813	0.00570	1	09/04/2017 20:34	WG1016266
1,1-Dichloroethane	U		0.000227	0.00114	1	09/04/2017 20:34	WG1016266
1,2-Dichloroethane	U		0.000302	0.00114	1	09/04/2017 20:34	WG1016266
1,1-Dichloroethene	U		0.000346	0.00114	1	09/04/2017 20:34	WG1016266
cis-1,2-Dichloroethene	U		0.000268	0.00114	1	09/04/2017 20:34	WG1016266
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	09/04/2017 20:34	WG1016266
1,2-Dichloropropane	U		0.000408	0.00114	1	09/04/2017 20:34	WG1016266
1,1-Dichloropropene	U		0.000361	0.00114	1	09/04/2017 20:34	WG1016266
1,3-Dichloropropane	U		0.000236	0.00114	1	09/04/2017 20:34	WG1016266
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	09/04/2017 20:34	WG1016266
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/04/2017 20:34	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000887	0.00285	1	09/04/2017 20:34	WG1016266
2,2-Dichloropropane	U		0.000318	0.00114	1	09/04/2017 20:34	WG1016266
Di-isopropyl ether	U		0.000283	0.00114	1	09/04/2017 20:34	WG1016266
Ethylbenzene	U		0.000339	0.00114	1	09/04/2017 20:34	WG1016266
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/04/2017 20:34	WG1016266
2-Hexanone	U		0.00156	0.0114	1	09/04/2017 20:34	WG1016266
n-Hexane	U		0.000331	0.0114	1	09/04/2017 20:34	WG1016266
Iodomethane	U		0.00289	0.0114	1	09/04/2017 20:34	WG1016266
Isopropylbenzene	U		0.000277	0.00114	1	09/04/2017 20:34	WG1016266
p-Isopropyltoluene	U		0.000233	0.00114	1	09/04/2017 20:34	WG1016266
2-Butanone (MEK)	U		0.00534	0.0114	1	09/04/2017 20:34	WG1016266
Methylene Chloride	U		0.00114	0.00570	1	09/04/2017 20:34	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/04/2017 20:34	WG1016266

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		0.000242	0.00114	1	09/04/2017 20:34	WG1016266
Naphthalene	U		0.00114	0.00570	1	09/04/2017 20:34	WG1016266
n-Propylbenzene	U		0.000235	0.00114	1	09/04/2017 20:34	WG1016266
Styrene	U		0.000267	0.00114	1	09/04/2017 20:34	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/04/2017 20:34	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/04/2017 20:34	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/04/2017 20:34	WG1016266
Tetrachloroethene	U		0.000315	0.00114	1	09/04/2017 20:34	WG1016266
Toluene	U		0.000495	0.00570	1	09/04/2017 20:34	WG1016266
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/04/2017 20:34	WG1016266
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	09/04/2017 20:34	WG1016266
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/04/2017 20:34	WG1016266
1,1,2-Trichloroethane	U		0.000316	0.00114	1	09/04/2017 20:34	WG1016266
Trichloroethene	U		0.000318	0.00114	1	09/04/2017 20:34	WG1016266
Trichlorofluoromethane	U		0.000436	0.00570	1	09/04/2017 20:34	WG1016266
1,2,3-Trichloropropane	U		0.000845	0.00285	1	09/04/2017 20:34	WG1016266
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	09/04/2017 20:34	WG1016266
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/04/2017 20:34	WG1016266
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/04/2017 20:34	WG1016266
Vinyl acetate	U		0.00273	0.0114	1	09/04/2017 20:34	WG1016266
Vinyl chloride	U		0.000332	0.00114	1	09/04/2017 20:34	WG1016266
Xylenes, Total	U		0.000796	0.00342	1	09/04/2017 20:34	WG1016266
(S) Toluene-d8	*101*			*80.0-120*		*09/04/2017 20:34*	WG1016266
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*09/04/2017 20:34*	WG1016266
(S) 4-Bromofluorobenzene	*82.9*			*64.0-132*		*09/04/2017 20:34*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	09/07/2017 13:21	WG1017613

Volatile Organic Compounds (GC/MS) 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	09/04/2017 20:54	WG1016266
Acrylonitrile	U		0.00194	0.0108	1	09/04/2017 20:54	WG1016266
Benzene	U		0.000293	0.00108	1	09/04/2017 20:54	WG1016266
Bromobenzene	U		0.000308	0.00108	1	09/04/2017 20:54	WG1016266
Bromodichloromethane	U		0.000275	0.00108	1	09/04/2017 20:54	WG1016266
Bromochloromethane	U		0.000423	0.00542	1	09/04/2017 20:54	WG1016266
Bromoform	U		0.000460	0.00108	1	09/04/2017 20:54	WG1016266
Bromomethane	U		0.00145	0.00542	1	09/04/2017 20:54	WG1016266
n-Butylbenzene	U		0.000280	0.00108	1	09/04/2017 20:54	WG1016266
sec-Butylbenzene	U		0.000218	0.00108	1	09/04/2017 20:54	WG1016266
tert-Butylbenzene	U		0.000223	0.00108	1	09/04/2017 20:54	WG1016266
Carbon disulfide	0.000278	J	0.000240	0.00108	1	09/04/2017 20:54	WG1016266
Carbon tetrachloride	U		0.000356	0.00108	1	09/04/2017 20:54	WG1016266
Chlorobenzene	U		0.000230	0.00108	1	09/04/2017 20:54	WG1016266
Chlorodibromomethane	U		0.000405	0.00108	1	09/04/2017 20:54	WG1016266
Chloroethane	U		0.00103	0.00542	1	09/04/2017 20:54	WG1016266
Chloroform	U		0.000248	0.00542	1	09/04/2017 20:54	WG1016266
Chloromethane	U		0.000407	0.00271	1	09/04/2017 20:54	WG1016266
2-Chlorotoluene	U		0.000326	0.00108	1	09/04/2017 20:54	WG1016266
4-Chlorotoluene	U		0.000260	0.00108	1	09/04/2017 20:54	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	09/04/2017 20:54	WG1016266
1,2-Dibromoethane	U		0.000372	0.00108	1	09/04/2017 20:54	WG1016266
Dibromomethane	U		0.000414	0.00108	1	09/04/2017 20:54	WG1016266
1,2-Dichlorobenzene	U		0.000331	0.00108	1	09/04/2017 20:54	WG1016266
1,3-Dichlorobenzene	U		0.000259	0.00108	1	09/04/2017 20:54	WG1016266
1,4-Dichlorobenzene	U		0.000245	0.00108	1	09/04/2017 20:54	WG1016266
Dichlorodifluoromethane	U		0.000773	0.00542	1	09/04/2017 20:54	WG1016266
1,1-Dichloroethane	U		0.000216	0.00108	1	09/04/2017 20:54	WG1016266
1,2-Dichloroethane	U		0.000287	0.00108	1	09/04/2017 20:54	WG1016266
1,1-Dichloroethene	U		0.000329	0.00108	1	09/04/2017 20:54	WG1016266
cis-1,2-Dichloroethene	0.00199		0.000255	0.00108	1	09/04/2017 20:54	WG1016266
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	09/04/2017 20:54	WG1016266
1,2-Dichloropropane	U		0.000388	0.00108	1	09/04/2017 20:54	WG1016266
1,1-Dichloropropene	U		0.000344	0.00108	1	09/04/2017 20:54	WG1016266
1,3-Dichloropropane	U		0.000224	0.00108	1	09/04/2017 20:54	WG1016266
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	09/04/2017 20:54	WG1016266
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	09/04/2017 20:54	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	09/04/2017 20:54	WG1016266
2,2-Dichloropropane	U		0.000303	0.00108	1	09/04/2017 20:54	WG1016266
Di-isopropyl ether	U		0.000269	0.00108	1	09/04/2017 20:54	WG1016266
Ethylbenzene	U		0.000322	0.00108	1	09/04/2017 20:54	WG1016266
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	09/04/2017 20:54	WG1016266
2-Hexanone	U		0.00149	0.0108	1	09/04/2017 20:54	WG1016266
n-Hexane	0.000406	J	0.000314	0.0108	1	09/04/2017 20:54	WG1016266
Iodomethane	U		0.00274	0.0108	1	09/04/2017 20:54	WG1016266
Isopropylbenzene	U		0.000264	0.00108	1	09/04/2017 20:54	WG1016266
p-Isopropyltoluene	U		0.000221	0.00108	1	09/04/2017 20:54	WG1016266
2-Butanone (MEK)	U		0.00508	0.0108	1	09/04/2017 20:54	WG1016266
Methylene Chloride	U		0.00108	0.00542	1	09/04/2017 20:54	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	09/04/2017 20:54	WG1016266

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

Analyte	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	09/04/2017 20:54	WG1016266
Naphthalene	U		0.00108	0.00542	1	09/04/2017 20:54	WG1016266
n-Propylbenzene	U		0.000223	0.00108	1	09/04/2017 20:54	WG1016266
Styrene	U		0.000254	0.00108	1	09/04/2017 20:54	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/04/2017 20:54	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	09/04/2017 20:54	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	09/04/2017 20:54	WG1016266
Tetrachloroethene	0.147		0.000299	0.00108	1	09/04/2017 20:54	WG1016266
Toluene	U		0.000471	0.00542	1	09/04/2017 20:54	WG1016266
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	09/04/2017 20:54	WG1016266
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	09/04/2017 20:54	WG1016266
1,1,1-Trichloroethane	U		0.000310	0.00108	1	09/04/2017 20:54	WG1016266
1,1,2-Trichloroethane	U		0.000300	0.00108	1	09/04/2017 20:54	WG1016266
Trichloroethene	0.0107		0.000303	0.00108	1	09/04/2017 20:54	WG1016266
Trichlorofluoromethane	U		0.000414	0.00542	1	09/04/2017 20:54	WG1016266
1,2,3-Trichloropropane	U		0.000804	0.00271	1	09/04/2017 20:54	WG1016266
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	09/04/2017 20:54	WG1016266
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	09/04/2017 20:54	WG1016266
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/04/2017 20:54	WG1016266
Vinyl acetate	U		0.00259	0.0108	1	09/04/2017 20:54	WG1016266
Vinyl chloride	U		0.000316	0.00108	1	09/04/2017 20:54	WG1016266
Xylenes, Total	U		0.000757	0.00325	1	09/04/2017 20:54	WG1016266
(S) Toluene-d8	*101*			*80.0-120*		*09/04/2017 20:54*	WG1016266
(S) Dibromofluoromethane	*91.8*			*74.0-131*		*09/04/2017 20:54*	WG1016266
(S) 4-Bromofluorobenzene	*88.1*			*64.0-132*		*09/04/2017 20:54*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	09/07/2017 13:21	WG1017613

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.291	1.46	25	09/04/2017 21:15	WG1016266
Acrylonitrile	U		0.0522	0.291	25	09/04/2017 21:15	WG1016266
Benzene	U		0.00786	0.0291	25	09/04/2017 21:15	WG1016266
Bromobenzene	U		0.00827	0.0291	25	09/04/2017 21:15	WG1016266
Bromodichloromethane	U		0.00740	0.0291	25	09/04/2017 21:15	WG1016266
Bromochloromethane	U		0.0114	0.146	25	09/04/2017 21:15	WG1016266
Bromoform	U		0.0124	0.0291	25	09/04/2017 21:15	WG1016266
Bromomethane	U		0.0390	0.146	25	09/04/2017 21:15	WG1016266
n-Butylbenzene	U		0.00752	0.0291	25	09/04/2017 21:15	WG1016266
sec-Butylbenzene	U		0.00585	0.0291	25	09/04/2017 21:15	WG1016266
tert-Butylbenzene	U		0.00600	0.0291	25	09/04/2017 21:15	WG1016266
Carbon disulfide	U		0.00643	0.0291	25	09/04/2017 21:15	WG1016266
Carbon tetrachloride	U		0.00955	0.0291	25	09/04/2017 21:15	WG1016266
Chlorobenzene	U		0.00618	0.0291	25	09/04/2017 21:15	WG1016266
Chlorodibromomethane	U		0.0109	0.0291	25	09/04/2017 21:15	WG1016266
Chloroethane	U		0.0275	0.146	25	09/04/2017 21:15	WG1016266
Chloroform	U		0.00666	0.146	25	09/04/2017 21:15	WG1016266
Chloromethane	U		0.0109	0.0728	25	09/04/2017 21:15	WG1016266
2-Chlorotoluene	U		0.00876	0.0291	25	09/04/2017 21:15	WG1016266
4-Chlorotoluene	U		0.00699	0.0291	25	09/04/2017 21:15	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.0305	0.146	25	09/04/2017 21:15	WG1016266
1,2-Dibromoethane	U		0.0100	0.0291	25	09/04/2017 21:15	WG1016266
Dibromomethane	U		0.0111	0.0291	25	09/04/2017 21:15	WG1016266
1,2-Dichlorobenzene	U		0.00888	0.0291	25	09/04/2017 21:15	WG1016266
1,3-Dichlorobenzene	U		0.00697	0.0291	25	09/04/2017 21:15	WG1016266
1,4-Dichlorobenzene	U		0.00658	0.0291	25	09/04/2017 21:15	WG1016266
Dichlorodifluoromethane	U		0.0207	0.146	25	09/04/2017 21:15	WG1016266
1,1-Dichloroethane	U		0.00580	0.0291	25	09/04/2017 21:15	WG1016266
1,2-Dichloroethane	U		0.00771	0.0291	25	09/04/2017 21:15	WG1016266
1,1-Dichloroethene	U		0.00883	0.0291	25	09/04/2017 21:15	WG1016266
cis-1,2-Dichloroethene	0.387		0.00685	0.0291	25	09/04/2017 21:15	WG1016266
trans-1,2-Dichloroethene	U		0.00769	0.0291	25	09/04/2017 21:15	WG1016266
1,2-Dichloropropane	U		0.0104	0.0291	25	09/04/2017 21:15	WG1016266
1,1-Dichloropropene	U		0.00923	0.0291	25	09/04/2017 21:15	WG1016266
1,3-Dichloropropane	U		0.00604	0.0291	25	09/04/2017 21:15	WG1016266
cis-1,3-Dichloropropene	U		0.00763	0.0291	25	09/04/2017 21:15	WG1016266
trans-1,3-Dichloropropene	U		0.00778	0.0291	25	09/04/2017 21:15	WG1016266
trans-1,4-Dichloro-2-butene	U		0.0226	0.0728	25	09/04/2017 21:15	WG1016266
2,2-Dichloropropane	U		0.00813	0.0291	25	09/04/2017 21:15	WG1016266
Di-isopropyl ether	U		0.00722	0.0291	25	09/04/2017 21:15	WG1016266
Ethylbenzene	U		0.00865	0.0291	25	09/04/2017 21:15	WG1016266
Hexachloro-1,3-butadiene	U		0.00996	0.0291	25	09/04/2017 21:15	WG1016266
2-Hexanone	U		0.0398	0.291	25	09/04/2017 21:15	WG1016266
n-Hexane	U		0.00845	0.291	25	09/04/2017 21:15	WG1016266
Iodomethane	U		0.0736	0.291	25	09/04/2017 21:15	WG1016266
Isopropylbenzene	U		0.00708	0.0291	25	09/04/2017 21:15	WG1016266
p-Isopropyltoluene	U		0.00594	0.0291	25	09/04/2017 21:15	WG1016266
2-Butanone (MEK)	U		0.136	0.291	25	09/04/2017 21:15	WG1016266
Methylene Chloride	U		0.0291	0.146	25	09/04/2017 21:15	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.0548	0.291	25	09/04/2017 21:15	WG1016266

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		0.00618	0.0291	25	09/04/2017 21:15	WG1016266
Naphthalene	U		0.0291	0.146	25	09/04/2017 21:15	WG1016266
n-Propylbenzene	U		0.00600	0.0291	25	09/04/2017 21:15	WG1016266
Styrene	U		0.00682	0.0291	25	09/04/2017 21:15	WG1016266
1,1,1,2-Tetrachloroethane	U		0.00769	0.0291	25	09/04/2017 21:15	WG1016266
1,1,2,2-Tetrachloroethane	U		0.0106	0.0291	25	09/04/2017 21:15	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.0106	0.0291	25	09/04/2017 21:15	WG1016266
Tetrachloroethene	15.1		0.0643	0.233	200	09/07/2017 15:40	WG1016266
Toluene	U		0.0126	0.146	25	09/04/2017 21:15	WG1016266
1,2,3-Trichlorobenzene	U		0.00891	0.0291	25	09/04/2017 21:15	WG1016266
1,2,4-Trichlorobenzene	U		0.0113	0.0291	25	09/04/2017 21:15	WG1016266
1,1,1-Trichloroethane	U		0.00833	0.0291	25	09/04/2017 21:15	WG1016266
1,1,2-Trichloroethane	U		0.00806	0.0291	25	09/04/2017 21:15	WG1016266
Trichloroethene	0.629		0.00813	0.0291	25	09/04/2017 21:15	WG1016266
Trichlorofluoromethane	U		0.0111	0.146	25	09/04/2017 21:15	WG1016266
1,2,3-Trichloropropane	U		0.0216	0.0728	25	09/04/2017 21:15	WG1016266
1,2,4-Trimethylbenzene	U		0.00615	0.0291	25	09/04/2017 21:15	WG1016266
1,2,3-Trimethylbenzene	U		0.00837	0.0291	25	09/04/2017 21:15	WG1016266
1,3,5-Trimethylbenzene	U		0.00775	0.0291	25	09/04/2017 21:15	WG1016266
Vinyl acetate	U		0.0697	0.291	25	09/04/2017 21:15	WG1016266
Vinyl chloride	0.0107	J	0.00848	0.0291	25	09/04/2017 21:15	WG1016266
Xylenes, Total	U		0.0203	0.0874	25	09/04/2017 21:15	WG1016266
(S) Toluene-d8	*105*			*80.0-120*		*09/04/2017 21:15*	WG1016266
(S) Toluene-d8	*102*			*80.0-120*		*09/07/2017 15:40*	WG1016266
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/07/2017 15:40*	WG1016266
(S) Dibromofluoromethane	*86.9*			*74.0-131*		*09/04/2017 21:15*	WG1016266
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*09/07/2017 15:40*	WG1016266
(S) 4-Bromofluorobenzene	*86.6*			*64.0-132*		*09/04/2017 21:15*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	09/07/2017 13:21	WG1017613

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		0.0359	0.106	1	09/03/2017 20:32	WG1016318
(S) a,a,a-Trifluorotoluene(FID)	*94.2*			*77.0-120*		*09/03/2017 20:32*	WG1016318

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0106	0.0529	1	09/04/2017 21:35	WG1016266
Acrylonitrile	U		0.00190	0.0106	1	09/04/2017 21:35	WG1016266
Benzene	U		0.000286	0.00106	1	09/04/2017 21:35	WG1016266
Bromobenzene	U		0.000301	0.00106	1	09/04/2017 21:35	WG1016266
Bromodichloromethane	U		0.000269	0.00106	1	09/04/2017 21:35	WG1016266
Bromochloromethane	U		0.000413	0.00529	1	09/04/2017 21:35	WG1016266
Bromoform	U		0.000449	0.00106	1	09/04/2017 21:35	WG1016266
Bromomethane	U		0.00142	0.00529	1	09/04/2017 21:35	WG1016266
n-Butylbenzene	U		0.000273	0.00106	1	09/04/2017 21:35	WG1016266
sec-Butylbenzene	U		0.000213	0.00106	1	09/04/2017 21:35	WG1016266
tert-Butylbenzene	U		0.000218	0.00106	1	09/04/2017 21:35	WG1016266
Carbon disulfide	0.00148		0.000234	0.00106	1	09/04/2017 21:35	WG1016266
Carbon tetrachloride	U		0.000347	0.00106	1	09/04/2017 21:35	WG1016266
Chlorobenzene	U		0.000224	0.00106	1	09/04/2017 21:35	WG1016266
Chlorodibromomethane	U		0.000395	0.00106	1	09/04/2017 21:35	WG1016266
Chloroethane	U		0.00100	0.00529	1	09/04/2017 21:35	WG1016266
Chloroform	U		0.000242	0.00529	1	09/04/2017 21:35	WG1016266
Chloromethane	U		0.000397	0.00265	1	09/04/2017 21:35	WG1016266
2-Chlorotoluene	U		0.000319	0.00106	1	09/04/2017 21:35	WG1016266
4-Chlorotoluene	U		0.000254	0.00106	1	09/04/2017 21:35	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00529	1	09/04/2017 21:35	WG1016266
1,2-Dibromoethane	U		0.000363	0.00106	1	09/04/2017 21:35	WG1016266
Dibromomethane	U		0.000405	0.00106	1	09/04/2017 21:35	WG1016266
1,2-Dichlorobenzene	U		0.000323	0.00106	1	09/04/2017 21:35	WG1016266
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/04/2017 21:35	WG1016266
1,4-Dichlorobenzene	U		0.000239	0.00106	1	09/04/2017 21:35	WG1016266
Dichlorodifluoromethane	U		0.000755	0.00529	1	09/04/2017 21:35	WG1016266
1,1-Dichloroethane	U		0.000211	0.00106	1	09/04/2017 21:35	WG1016266
1,2-Dichloroethane	U		0.000281	0.00106	1	09/04/2017 21:35	WG1016266
1,1-Dichloroethene	U		0.000321	0.00106	1	09/04/2017 21:35	WG1016266
cis-1,2-Dichloroethene	0.00390		0.000249	0.00106	1	09/04/2017 21:35	WG1016266
trans-1,2-Dichloroethene	U		0.000280	0.00106	1	09/04/2017 21:35	WG1016266
1,2-Dichloropropane	U		0.000379	0.00106	1	09/04/2017 21:35	WG1016266
1,1-Dichloropropene	U		0.000336	0.00106	1	09/04/2017 21:35	WG1016266
1,3-Dichloropropane	U		0.000219	0.00106	1	09/04/2017 21:35	WG1016266
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	09/04/2017 21:35	WG1016266
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	09/04/2017 21:35	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000824	0.00265	1	09/04/2017 21:35	WG1016266
2,2-Dichloropropane	U		0.000295	0.00106	1	09/04/2017 21:35	WG1016266
Di-isopropyl ether	U		0.000263	0.00106	1	09/04/2017 21:35	WG1016266
Ethylbenzene	U		0.000314	0.00106	1	09/04/2017 21:35	WG1016266
Hexachloro-1,3-butadiene	U		0.000362	0.00106	1	09/04/2017 21:35	WG1016266
2-Hexanone	U		0.00145	0.0106	1	09/04/2017 21:35	WG1016266
n-Hexane	0.00583	J	0.000307	0.0106	1	09/04/2017 21:35	WG1016266

Volatile Organic Compounds (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		0.00268	0.0106	1	09/04/2017 21:35	WG1016266
Isopropylbenzene	U		0.000257	0.00106	1	09/04/2017 21:35	WG1016266
p-Isopropyltoluene	U		0.000216	0.00106	1	09/04/2017 21:35	WG1016266
2-Butanone (MEK)	U		0.00496	0.0106	1	09/04/2017 21:35	WG1016266
Methylene Chloride	U		0.00106	0.00529	1	09/04/2017 21:35	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/04/2017 21:35	WG1016266
Methyl tert-butyl ether	U		0.000224	0.00106	1	09/04/2017 21:35	WG1016266
Naphthalene	U		0.00106	0.00529	1	09/04/2017 21:35	WG1016266
n-Propylbenzene	U		0.000218	0.00106	1	09/04/2017 21:35	WG1016266
Styrene	U		0.000248	0.00106	1	09/04/2017 21:35	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	09/04/2017 21:35	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	09/04/2017 21:35	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	09/04/2017 21:35	WG1016266
Tetrachloroethene	0.0296		0.000292	0.00106	1	09/04/2017 21:35	WG1016266
Toluene	U		0.000460	0.00529	1	09/04/2017 21:35	WG1016266
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	09/04/2017 21:35	WG1016266
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	09/04/2017 21:35	WG1016266
1,1,1-Trichloroethane	U		0.000303	0.00106	1	09/04/2017 21:35	WG1016266
1,1,2-Trichloroethane	U		0.000293	0.00106	1	09/04/2017 21:35	WG1016266
Trichloroethene	0.00582		0.000295	0.00106	1	09/04/2017 21:35	WG1016266
Trichlorofluoromethane	U		0.000405	0.00529	1	09/04/2017 21:35	WG1016266
1,2,3-Trichloropropane	U		0.000785	0.00265	1	09/04/2017 21:35	WG1016266
1,2,4-Trimethylbenzene	U		0.000223	0.00106	1	09/04/2017 21:35	WG1016266
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	09/04/2017 21:35	WG1016266
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	09/04/2017 21:35	WG1016266
Vinyl acetate	U		0.00253	0.0106	1	09/04/2017 21:35	WG1016266
Vinyl chloride	0.000378	J	0.000308	0.00106	1	09/04/2017 21:35	WG1016266
Xylenes, Total	U		0.000739	0.00318	1	09/04/2017 21:35	WG1016266
(S) Toluene-d8	*104*			*80.0-120*		*09/04/2017 21:35*	WG1016266
(S) Dibromofluoromethane	*92.3*			*74.0-131*		*09/04/2017 21:35*	WG1016266
(S) 4-Bromofluorobenzene	*87.1*			*64.0-132*		*09/04/2017 21:35*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	09/07/2017 13:21	WG1017613

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0535	1	09/04/2017 21:56	WG1016266
Acrylonitrile	U		0.00192	0.0107	1	09/04/2017 21:56	WG1016266
Benzene	U		0.000289	0.00107	1	09/04/2017 21:56	WG1016266
Bromobenzene	U		0.000304	0.00107	1	09/04/2017 21:56	WG1016266
Bromodichloromethane	U		0.000272	0.00107	1	09/04/2017 21:56	WG1016266
Bromochloromethane	U		0.000418	0.00535	1	09/04/2017 21:56	WG1016266
Bromoform	U		0.000454	0.00107	1	09/04/2017 21:56	WG1016266
Bromomethane	U		0.00144	0.00535	1	09/04/2017 21:56	WG1016266
n-Butylbenzene	U		0.000276	0.00107	1	09/04/2017 21:56	WG1016266
sec-Butylbenzene	U		0.000215	0.00107	1	09/04/2017 21:56	WG1016266
tert-Butylbenzene	U		0.000221	0.00107	1	09/04/2017 21:56	WG1016266
Carbon disulfide	0.00121		0.000237	0.00107	1	09/04/2017 21:56	WG1016266
Carbon tetrachloride	U		0.000351	0.00107	1	09/04/2017 21:56	WG1016266
Chlorobenzene	U		0.000227	0.00107	1	09/04/2017 21:56	WG1016266
Chlorodibromomethane	U		0.000399	0.00107	1	09/04/2017 21:56	WG1016266
Chloroethane	U		0.00101	0.00535	1	09/04/2017 21:56	WG1016266
Chloroform	U		0.000245	0.00535	1	09/04/2017 21:56	WG1016266
Chloromethane	U		0.000402	0.00268	1	09/04/2017 21:56	WG1016266
2-Chlorotoluene	U		0.000322	0.00107	1	09/04/2017 21:56	WG1016266
4-Chlorotoluene	U		0.000257	0.00107	1	09/04/2017 21:56	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/04/2017 21:56	WG1016266
1,2-Dibromoethane	U		0.000367	0.00107	1	09/04/2017 21:56	WG1016266
Dibromomethane	U		0.000409	0.00107	1	09/04/2017 21:56	WG1016266
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/04/2017 21:56	WG1016266
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/04/2017 21:56	WG1016266
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/04/2017 21:56	WG1016266
Dichlorodifluoromethane	U		0.000764	0.00535	1	09/04/2017 21:56	WG1016266
1,1-Dichloroethane	U		0.000213	0.00107	1	09/04/2017 21:56	WG1016266
1,2-Dichloroethane	U		0.000284	0.00107	1	09/04/2017 21:56	WG1016266
1,1-Dichloroethene	U		0.000324	0.00107	1	09/04/2017 21:56	WG1016266
cis-1,2-Dichloroethene	0.000585	J	0.000252	0.00107	1	09/04/2017 21:56	WG1016266
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/04/2017 21:56	WG1016266
1,2-Dichloropropane	U		0.000383	0.00107	1	09/04/2017 21:56	WG1016266
1,1-Dichloropropene	U		0.000339	0.00107	1	09/04/2017 21:56	WG1016266
1,3-Dichloropropane	U		0.000222	0.00107	1	09/04/2017 21:56	WG1016266
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/04/2017 21:56	WG1016266
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/04/2017 21:56	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000833	0.00268	1	09/04/2017 21:56	WG1016266
2,2-Dichloropropane	U		0.000299	0.00107	1	09/04/2017 21:56	WG1016266
Di-isopropyl ether	U		0.000266	0.00107	1	09/04/2017 21:56	WG1016266
Ethylbenzene	U		0.000318	0.00107	1	09/04/2017 21:56	WG1016266
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	09/04/2017 21:56	WG1016266
2-Hexanone	U		0.00147	0.0107	1	09/04/2017 21:56	WG1016266
n-Hexane	0.00452	J	0.000311	0.0107	1	09/04/2017 21:56	WG1016266
Iodomethane	U		0.00271	0.0107	1	09/04/2017 21:56	WG1016266
Isopropylbenzene	U		0.000260	0.00107	1	09/04/2017 21:56	WG1016266
p-Isopropyltoluene	U		0.000218	0.00107	1	09/04/2017 21:56	WG1016266
2-Butanone (MEK)	U		0.00501	0.0107	1	09/04/2017 21:56	WG1016266
Methylene Chloride	U		0.00107	0.00535	1	09/04/2017 21:56	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/04/2017 21:56	WG1016266

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		0.000227	0.00107	1	09/04/2017 21:56	WG1016266
Naphthalene	U		0.00107	0.00535	1	09/04/2017 21:56	WG1016266
n-Propylbenzene	U		0.000221	0.00107	1	09/04/2017 21:56	WG1016266
Styrene	U		0.000251	0.00107	1	09/04/2017 21:56	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/04/2017 21:56	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/04/2017 21:56	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/04/2017 21:56	WG1016266
Tetrachloroethene	0.00308		0.000296	0.00107	1	09/04/2017 21:56	WG1016266
Toluene	U		0.000465	0.00535	1	09/04/2017 21:56	WG1016266
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/04/2017 21:56	WG1016266
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	09/04/2017 21:56	WG1016266
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/04/2017 21:56	WG1016266
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/04/2017 21:56	WG1016266
Trichloroethene	0.000399	J	0.000299	0.00107	1	09/04/2017 21:56	WG1016266
Trichlorofluoromethane	U		0.000409	0.00535	1	09/04/2017 21:56	WG1016266
1,2,3-Trichloropropane	U		0.000794	0.00268	1	09/04/2017 21:56	WG1016266
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/04/2017 21:56	WG1016266
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/04/2017 21:56	WG1016266
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/04/2017 21:56	WG1016266
Vinyl acetate	U		0.00256	0.0107	1	09/04/2017 21:56	WG1016266
Vinyl chloride	U		0.000312	0.00107	1	09/04/2017 21:56	WG1016266
Xylenes, Total	U		0.000748	0.00321	1	09/04/2017 21:56	WG1016266
(S) Toluene-d8	*102*			*80.0-120*		*09/04/2017 21:56*	WG1016266
(S) Dibromofluoromethane	*93.2*			*74.0-131*		*09/04/2017 21:56*	WG1016266
(S) 4-Bromofluorobenzene	*87.6*			*64.0-132*		*09/04/2017 21:56*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	09/07/2017 11:37	WG1017615

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0536	1	09/04/2017 22:17	WG1016266
Acrylonitrile	U		0.00192	0.0107	1	09/04/2017 22:17	WG1016266
Benzene	U		0.000290	0.00107	1	09/04/2017 22:17	WG1016266
Bromobenzene	U		0.000305	0.00107	1	09/04/2017 22:17	WG1016266
Bromodichloromethane	U		0.000272	0.00107	1	09/04/2017 22:17	WG1016266
Bromochloromethane	U		0.000418	0.00536	1	09/04/2017 22:17	WG1016266
Bromoform	U		0.000455	0.00107	1	09/04/2017 22:17	WG1016266
Bromomethane	U		0.00144	0.00536	1	09/04/2017 22:17	WG1016266
n-Butylbenzene	U		0.000277	0.00107	1	09/04/2017 22:17	WG1016266
sec-Butylbenzene	U		0.000216	0.00107	1	09/04/2017 22:17	WG1016266
tert-Butylbenzene	U		0.000221	0.00107	1	09/04/2017 22:17	WG1016266
Carbon disulfide	0.000877	J	0.000237	0.00107	1	09/04/2017 22:17	WG1016266
Carbon tetrachloride	U		0.000352	0.00107	1	09/04/2017 22:17	WG1016266
Chlorobenzene	U		0.000227	0.00107	1	09/04/2017 22:17	WG1016266
Chlorodibromomethane	U		0.000400	0.00107	1	09/04/2017 22:17	WG1016266
Chloroethane	U		0.00101	0.00536	1	09/04/2017 22:17	WG1016266
Chloroform	U		0.000246	0.00536	1	09/04/2017 22:17	WG1016266
Chloromethane	U		0.000402	0.00268	1	09/04/2017 22:17	WG1016266
2-Chlorotoluene	U		0.000323	0.00107	1	09/04/2017 22:17	WG1016266
4-Chlorotoluene	U		0.000257	0.00107	1	09/04/2017 22:17	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00536	1	09/04/2017 22:17	WG1016266
1,2-Dibromoethane	U		0.000368	0.00107	1	09/04/2017 22:17	WG1016266
Dibromomethane	U		0.000410	0.00107	1	09/04/2017 22:17	WG1016266
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/04/2017 22:17	WG1016266
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/04/2017 22:17	WG1016266
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/04/2017 22:17	WG1016266
Dichlorodifluoromethane	U		0.000765	0.00536	1	09/04/2017 22:17	WG1016266
1,1-Dichloroethane	U		0.000213	0.00107	1	09/04/2017 22:17	WG1016266
1,2-Dichloroethane	U		0.000284	0.00107	1	09/04/2017 22:17	WG1016266
1,1-Dichloroethene	U		0.000325	0.00107	1	09/04/2017 22:17	WG1016266
cis-1,2-Dichloroethene	0.00170		0.000252	0.00107	1	09/04/2017 22:17	WG1016266
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/04/2017 22:17	WG1016266
1,2-Dichloropropane	U		0.000384	0.00107	1	09/04/2017 22:17	WG1016266
1,1-Dichloropropene	U		0.000340	0.00107	1	09/04/2017 22:17	WG1016266
1,3-Dichloropropane	U		0.000222	0.00107	1	09/04/2017 22:17	WG1016266
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/04/2017 22:17	WG1016266
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/04/2017 22:17	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000835	0.00268	1	09/04/2017 22:17	WG1016266
2,2-Dichloropropane	U		0.000299	0.00107	1	09/04/2017 22:17	WG1016266
Di-isopropyl ether	U		0.000266	0.00107	1	09/04/2017 22:17	WG1016266
Ethylbenzene	U		0.000319	0.00107	1	09/04/2017 22:17	WG1016266
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	09/04/2017 22:17	WG1016266
2-Hexanone	U		0.00147	0.0107	1	09/04/2017 22:17	WG1016266
n-Hexane	0.00551	J	0.000311	0.0107	1	09/04/2017 22:17	WG1016266
Iodomethane	U		0.00271	0.0107	1	09/04/2017 22:17	WG1016266
Isopropylbenzene	U		0.000261	0.00107	1	09/04/2017 22:17	WG1016266
p-Isopropyltoluene	U		0.000219	0.00107	1	09/04/2017 22:17	WG1016266
2-Butanone (MEK)	U		0.00502	0.0107	1	09/04/2017 22:17	WG1016266
Methylene Chloride	U		0.00107	0.00536	1	09/04/2017 22:17	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/04/2017 22:17	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/04/2017 22:17	WG1016266
Naphthalene	U		0.00107	0.00536	1	09/04/2017 22:17	WG1016266
n-Propylbenzene	U		0.000221	0.00107	1	09/04/2017 22:17	WG1016266
Styrene	U		0.000251	0.00107	1	09/04/2017 22:17	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/04/2017 22:17	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	09/04/2017 22:17	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	09/04/2017 22:17	WG1016266
Tetrachloroethene	0.00954		0.000296	0.00107	1	09/04/2017 22:17	WG1016266
Toluene	U		0.000466	0.00536	1	09/04/2017 22:17	WG1016266
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/04/2017 22:17	WG1016266
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	09/04/2017 22:17	WG1016266
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/04/2017 22:17	WG1016266
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/04/2017 22:17	WG1016266
Trichloroethene	0.00234		0.000299	0.00107	1	09/04/2017 22:17	WG1016266
Trichlorofluoromethane	U		0.000410	0.00536	1	09/04/2017 22:17	WG1016266
1,2,3-Trichloropropane	U		0.000795	0.00268	1	09/04/2017 22:17	WG1016266
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/04/2017 22:17	WG1016266
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	09/04/2017 22:17	WG1016266
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/04/2017 22:17	WG1016266
Vinyl acetate	U		0.00256	0.0107	1	09/04/2017 22:17	WG1016266
Vinyl chloride	U		0.000312	0.00107	1	09/04/2017 22:17	WG1016266
Xylenes, Total	U		0.000749	0.00322	1	09/04/2017 22:17	WG1016266
(S) Toluene-d8	*104*			*80.0-120*		*09/04/2017 22:17*	WG1016266
(S) Dibromofluoromethane	*91.9*			*74.0-131*		*09/04/2017 22:17*	WG1016266
(S) 4-Bromofluorobenzene	*86.8*			*64.0-132*		*09/04/2017 22:17*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	09/07/2017 11:37	WG1017615

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0534	1	09/04/2017 22:37	WG1016266
Acrylonitrile	U		0.00191	0.0107	1	09/04/2017 22:37	WG1016266
Benzene	U		0.000288	0.00107	1	09/04/2017 22:37	WG1016266
Bromobenzene	U		0.000303	0.00107	1	09/04/2017 22:37	WG1016266
Bromodichloromethane	U		0.000271	0.00107	1	09/04/2017 22:37	WG1016266
Bromochloromethane	U		0.000416	0.00534	1	09/04/2017 22:37	WG1016266
Bromoform	U		0.000452	0.00107	1	09/04/2017 22:37	WG1016266
Bromomethane	U		0.00143	0.00534	1	09/04/2017 22:37	WG1016266
n-Butylbenzene	U		0.000275	0.00107	1	09/04/2017 22:37	WG1016266
sec-Butylbenzene	U		0.000215	0.00107	1	09/04/2017 22:37	WG1016266
tert-Butylbenzene	U		0.000220	0.00107	1	09/04/2017 22:37	WG1016266
Carbon disulfide	0.000774	J	0.000236	0.00107	1	09/04/2017 22:37	WG1016266
Carbon tetrachloride	U		0.000350	0.00107	1	09/04/2017 22:37	WG1016266
Chlorobenzene	U		0.000226	0.00107	1	09/04/2017 22:37	WG1016266
Chlorodibromomethane	U		0.000398	0.00107	1	09/04/2017 22:37	WG1016266
Chloroethane	U		0.00101	0.00534	1	09/04/2017 22:37	WG1016266
Chloroform	U		0.000244	0.00534	1	09/04/2017 22:37	WG1016266
Chloromethane	U		0.000400	0.00267	1	09/04/2017 22:37	WG1016266
2-Chlorotoluene	U		0.000321	0.00107	1	09/04/2017 22:37	WG1016266
4-Chlorotoluene	U		0.000256	0.00107	1	09/04/2017 22:37	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00534	1	09/04/2017 22:37	WG1016266
1,2-Dibromoethane	U		0.000366	0.00107	1	09/04/2017 22:37	WG1016266
Dibromomethane	U		0.000408	0.00107	1	09/04/2017 22:37	WG1016266
1,2-Dichlorobenzene	U		0.000325	0.00107	1	09/04/2017 22:37	WG1016266
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/04/2017 22:37	WG1016266
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/04/2017 22:37	WG1016266
Dichlorodifluoromethane	U		0.000761	0.00534	1	09/04/2017 22:37	WG1016266
1,1-Dichloroethane	U		0.000212	0.00107	1	09/04/2017 22:37	WG1016266
1,2-Dichloroethane	U		0.000283	0.00107	1	09/04/2017 22:37	WG1016266
1,1-Dichloroethene	0.000324	J	0.000323	0.00107	1	09/04/2017 22:37	WG1016266
cis-1,2-Dichloroethene	0.0431		0.000251	0.00107	1	09/04/2017 22:37	WG1016266
trans-1,2-Dichloroethene	U		0.000282	0.00107	1	09/04/2017 22:37	WG1016266
1,2-Dichloropropane	U		0.000382	0.00107	1	09/04/2017 22:37	WG1016266
1,1-Dichloropropene	U		0.000338	0.00107	1	09/04/2017 22:37	WG1016266
1,3-Dichloropropane	U		0.000221	0.00107	1	09/04/2017 22:37	WG1016266
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/04/2017 22:37	WG1016266
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/04/2017 22:37	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000830	0.00267	1	09/04/2017 22:37	WG1016266
2,2-Dichloropropane	U		0.000298	0.00107	1	09/04/2017 22:37	WG1016266
Di-isopropyl ether	U		0.000265	0.00107	1	09/04/2017 22:37	WG1016266
Ethylbenzene	U		0.000317	0.00107	1	09/04/2017 22:37	WG1016266
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/04/2017 22:37	WG1016266
2-Hexanone	U		0.00146	0.0107	1	09/04/2017 22:37	WG1016266
n-Hexane	0.00107	J	0.000309	0.0107	1	09/04/2017 22:37	WG1016266
Iodomethane	U		0.00270	0.0107	1	09/04/2017 22:37	WG1016266
Isopropylbenzene	U		0.000259	0.00107	1	09/04/2017 22:37	WG1016266
p-Isopropyltoluene	U		0.000218	0.00107	1	09/04/2017 22:37	WG1016266
2-Butanone (MEK)	U		0.00499	0.0107	1	09/04/2017 22:37	WG1016266
Methylene Chloride	U		0.00107	0.00534	1	09/04/2017 22:37	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/04/2017 22:37	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00107	1	09/04/2017 22:37	WG1016266
Naphthalene	U		0.00107	0.00534	1	09/04/2017 22:37	WG1016266
n-Propylbenzene	U		0.000220	0.00107	1	09/04/2017 22:37	WG1016266
Styrene	U		0.000250	0.00107	1	09/04/2017 22:37	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	09/04/2017 22:37	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000390	0.00107	1	09/04/2017 22:37	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000390	0.00107	1	09/04/2017 22:37	WG1016266
Tetrachloroethene	4.27		0.0589	0.213	200	09/07/2017 20:25	WG1016266
Toluene	U		0.000463	0.00534	1	09/04/2017 22:37	WG1016266
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/04/2017 22:37	WG1016266
1,2,4-Trichlorobenzene	U		0.000414	0.00107	1	09/04/2017 22:37	WG1016266
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/04/2017 22:37	WG1016266
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/04/2017 22:37	WG1016266
Trichloroethene	0.0793		0.000298	0.00107	1	09/04/2017 22:37	WG1016266
Trichlorofluoromethane	U		0.000408	0.00534	1	09/04/2017 22:37	WG1016266
1,2,3-Trichloropropane	U		0.000791	0.00267	1	09/04/2017 22:37	WG1016266
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/04/2017 22:37	WG1016266
1,2,3-Trimethylbenzene	U		0.000306	0.00107	1	09/04/2017 22:37	WG1016266
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/04/2017 22:37	WG1016266
Vinyl acetate	U		0.00255	0.0107	1	09/04/2017 22:37	WG1016266
Vinyl chloride	0.00160		0.000311	0.00107	1	09/04/2017 22:37	WG1016266
Xylenes, Total	U		0.000745	0.00320	1	09/04/2017 22:37	WG1016266
(S) Toluene-d8	*104*			*80.0-120*		*09/07/2017 20:25*	WG1016266
(S) Toluene-d8	*98.4*			*80.0-120*		*09/04/2017 22:37*	WG1016266
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/07/2017 20:25*	WG1016266
(S) Dibromofluoromethane	*92.3*			*74.0-131*		*09/04/2017 22:37*	WG1016266
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/07/2017 20:25*	WG1016266
(S) 4-Bromofluorobenzene	*86.8*			*64.0-132*		*09/04/2017 22:37*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/07/2017 11:37	WG1017615

Volatile Organic Compounds (GC/MS) 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	0.0549	1	09/04/2017 22:58	WG1016266
Acrylonitrile	U		0.00196	0.0110	1	09/04/2017 22:58	WG1016266
Benzene	0.000379	J	0.000296	0.00110	1	09/04/2017 22:58	WG1016266
Bromobenzene	U		0.000312	0.00110	1	09/04/2017 22:58	WG1016266
Bromodichloromethane	U		0.000279	0.00110	1	09/04/2017 22:58	WG1016266
Bromochloromethane	U		0.000428	0.00549	1	09/04/2017 22:58	WG1016266
Bromoform	U		0.000465	0.00110	1	09/04/2017 22:58	WG1016266
Bromomethane	U		0.00147	0.00549	1	09/04/2017 22:58	WG1016266
n-Butylbenzene	U		0.000283	0.00110	1	09/04/2017 22:58	WG1016266
sec-Butylbenzene	U		0.000221	0.00110	1	09/04/2017 22:58	WG1016266
tert-Butylbenzene	U		0.000226	0.00110	1	09/04/2017 22:58	WG1016266
Carbon disulfide	0.00196		0.000243	0.00110	1	09/04/2017 22:58	WG1016266
Carbon tetrachloride	U		0.000360	0.00110	1	09/04/2017 22:58	WG1016266
Chlorobenzene	U		0.000233	0.00110	1	09/04/2017 22:58	WG1016266
Chlorodibromomethane	U		0.000409	0.00110	1	09/04/2017 22:58	WG1016266
Chloroethane	U		0.00104	0.00549	1	09/04/2017 22:58	WG1016266
Chloroform	U		0.000251	0.00549	1	09/04/2017 22:58	WG1016266
Chloromethane	U		0.000412	0.00274	1	09/04/2017 22:58	WG1016266
2-Chlorotoluene	U		0.000330	0.00110	1	09/04/2017 22:58	WG1016266
4-Chlorotoluene	U		0.000263	0.00110	1	09/04/2017 22:58	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	09/04/2017 22:58	WG1016266
1,2-Dibromoethane	U		0.000376	0.00110	1	09/04/2017 22:58	WG1016266
Dibromomethane	U		0.000419	0.00110	1	09/04/2017 22:58	WG1016266
1,2-Dichlorobenzene	U		0.000335	0.00110	1	09/04/2017 22:58	WG1016266
1,3-Dichlorobenzene	U		0.000262	0.00110	1	09/04/2017 22:58	WG1016266
1,4-Dichlorobenzene	U		0.000248	0.00110	1	09/04/2017 22:58	WG1016266
Dichlorodifluoromethane	U		0.000782	0.00549	1	09/04/2017 22:58	WG1016266
1,1-Dichloroethane	U		0.000218	0.00110	1	09/04/2017 22:58	WG1016266
1,2-Dichloroethane	U		0.000291	0.00110	1	09/04/2017 22:58	WG1016266
1,1-Dichloroethene	0.000499	J	0.000333	0.00110	1	09/04/2017 22:58	WG1016266
cis-1,2-Dichloroethene	0.130		0.000258	0.00110	1	09/04/2017 22:58	WG1016266
trans-1,2-Dichloroethene	0.000500	J	0.000290	0.00110	1	09/04/2017 22:58	WG1016266
1,2-Dichloropropane	U		0.000393	0.00110	1	09/04/2017 22:58	WG1016266
1,1-Dichloropropene	U		0.000348	0.00110	1	09/04/2017 22:58	WG1016266
1,3-Dichloropropane	U		0.000227	0.00110	1	09/04/2017 22:58	WG1016266
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	09/04/2017 22:58	WG1016266
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	09/04/2017 22:58	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000854	0.00274	1	09/04/2017 22:58	WG1016266
2,2-Dichloropropane	U		0.000306	0.00110	1	09/04/2017 22:58	WG1016266
Di-isopropyl ether	U		0.000272	0.00110	1	09/04/2017 22:58	WG1016266
Ethylbenzene	U		0.000326	0.00110	1	09/04/2017 22:58	WG1016266
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	09/04/2017 22:58	WG1016266
2-Hexanone	U		0.00150	0.0110	1	09/04/2017 22:58	WG1016266
n-Hexane	0.0134		0.000318	0.0110	1	09/04/2017 22:58	WG1016266
Iodomethane	U		0.00278	0.0110	1	09/04/2017 22:58	WG1016266
Isopropylbenzene	U		0.000267	0.00110	1	09/04/2017 22:58	WG1016266
p-Isopropyltoluene	U		0.000224	0.00110	1	09/04/2017 22:58	WG1016266
2-Butanone (MEK)	U		0.00514	0.0110	1	09/04/2017 22:58	WG1016266
Methylene Chloride	U		0.00110	0.00549	1	09/04/2017 22:58	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	09/04/2017 22:58	WG1016266

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	09/04/2017 22:58	WG1016266
Naphthalene	U		0.00110	0.00549	1	09/04/2017 22:58	WG1016266
n-Propylbenzene	U		0.000226	0.00110	1	09/04/2017 22:58	WG1016266
Styrene	U		0.000257	0.00110	1	09/04/2017 22:58	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	09/04/2017 22:58	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	09/04/2017 22:58	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	09/04/2017 22:58	WG1016266
Tetrachloroethene	1.56		0.00757	0.0274	25	09/07/2017 16:32	WG1016266
Toluene	0.000498	J	0.000476	0.00549	1	09/04/2017 22:58	WG1016266
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	09/04/2017 22:58	WG1016266
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	09/04/2017 22:58	WG1016266
1,1,1-Trichloroethane	U		0.000314	0.00110	1	09/04/2017 22:58	WG1016266
1,1,2-Trichloroethane	U		0.000304	0.00110	1	09/04/2017 22:58	WG1016266
Trichloroethene	0.0496		0.000306	0.00110	1	09/04/2017 22:58	WG1016266
Trichlorofluoromethane	U		0.000419	0.00549	1	09/04/2017 22:58	WG1016266
1,2,3-Trichloropropane	U		0.000813	0.00274	1	09/04/2017 22:58	WG1016266
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/04/2017 22:58	WG1016266
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	09/04/2017 22:58	WG1016266
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	09/04/2017 22:58	WG1016266
Vinyl acetate	U		0.00262	0.0110	1	09/04/2017 22:58	WG1016266
Vinyl chloride	0.0990		0.000319	0.00110	1	09/04/2017 22:58	WG1016266
Xylenes, Total	U		0.000766	0.00329	1	09/04/2017 22:58	WG1016266
(S) Toluene-d8	*98.7*			*80.0-120*		*09/04/2017 22:58*	WG1016266
(S) Toluene-d8	*103*			*80.0-120*		*09/07/2017 16:32*	WG1016266
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 16:32*	WG1016266
(S) Dibromofluoromethane	*92.7*			*74.0-131*		*09/04/2017 22:58*	WG1016266
(S) 4-Bromofluorobenzene	*87.3*			*64.0-132*		*09/04/2017 22:58*	WG1016266
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/07/2017 16:32*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	09/07/2017 11:37	WG1017615

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0535	1	09/04/2017 23:18	WG1016266
Acrylonitrile	U		0.00192	0.0107	1	09/04/2017 23:18	WG1016266
Benzene	U		0.000289	0.00107	1	09/04/2017 23:18	WG1016266
Bromobenzene	U		0.000304	0.00107	1	09/04/2017 23:18	WG1016266
Bromodichloromethane	U		0.000272	0.00107	1	09/04/2017 23:18	WG1016266
Bromochloromethane	U		0.000418	0.00535	1	09/04/2017 23:18	WG1016266
Bromoform	U		0.000454	0.00107	1	09/04/2017 23:18	WG1016266
Bromomethane	U		0.00143	0.00535	1	09/04/2017 23:18	WG1016266
n-Butylbenzene	U		0.000276	0.00107	1	09/04/2017 23:18	WG1016266
sec-Butylbenzene	U		0.000215	0.00107	1	09/04/2017 23:18	WG1016266
tert-Butylbenzene	U		0.000221	0.00107	1	09/04/2017 23:18	WG1016266
Carbon disulfide	0.00384		0.000237	0.00107	1	09/04/2017 23:18	WG1016266
Carbon tetrachloride	U		0.000351	0.00107	1	09/04/2017 23:18	WG1016266
Chlorobenzene	U		0.000227	0.00107	1	09/04/2017 23:18	WG1016266
Chlorodibromomethane	U		0.000399	0.00107	1	09/04/2017 23:18	WG1016266
Chloroethane	U		0.00101	0.00535	1	09/04/2017 23:18	WG1016266
Chloroform	U		0.000245	0.00535	1	09/04/2017 23:18	WG1016266
Chloromethane	U		0.000402	0.00268	1	09/04/2017 23:18	WG1016266
2-Chlorotoluene	U		0.000322	0.00107	1	09/04/2017 23:18	WG1016266
4-Chlorotoluene	U		0.000257	0.00107	1	09/04/2017 23:18	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/04/2017 23:18	WG1016266
1,2-Dibromoethane	U		0.000367	0.00107	1	09/04/2017 23:18	WG1016266
Dibromomethane	U		0.000409	0.00107	1	09/04/2017 23:18	WG1016266
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/04/2017 23:18	WG1016266
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/04/2017 23:18	WG1016266
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/04/2017 23:18	WG1016266
Dichlorodifluoromethane	U		0.000763	0.00535	1	09/04/2017 23:18	WG1016266
1,1-Dichloroethane	U		0.000213	0.00107	1	09/04/2017 23:18	WG1016266
1,2-Dichloroethane	U		0.000284	0.00107	1	09/04/2017 23:18	WG1016266
1,1-Dichloroethene	U		0.000324	0.00107	1	09/04/2017 23:18	WG1016266
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	09/04/2017 23:18	WG1016266
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/04/2017 23:18	WG1016266
1,2-Dichloropropane	U		0.000383	0.00107	1	09/04/2017 23:18	WG1016266
1,1-Dichloropropene	U		0.000339	0.00107	1	09/04/2017 23:18	WG1016266
1,3-Dichloropropane	U		0.000222	0.00107	1	09/04/2017 23:18	WG1016266
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/04/2017 23:18	WG1016266
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/04/2017 23:18	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000833	0.00268	1	09/04/2017 23:18	WG1016266
2,2-Dichloropropane	U		0.000299	0.00107	1	09/04/2017 23:18	WG1016266
Di-isopropyl ether	U		0.000266	0.00107	1	09/04/2017 23:18	WG1016266
Ethylbenzene	U		0.000318	0.00107	1	09/04/2017 23:18	WG1016266
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	09/04/2017 23:18	WG1016266
2-Hexanone	U		0.00147	0.0107	1	09/04/2017 23:18	WG1016266
n-Hexane	0.00870	J	0.000311	0.0107	1	09/04/2017 23:18	WG1016266
Iodomethane	U		0.00271	0.0107	1	09/04/2017 23:18	WG1016266
Isopropylbenzene	U		0.000260	0.00107	1	09/04/2017 23:18	WG1016266
p-Isopropyltoluene	U		0.000218	0.00107	1	09/04/2017 23:18	WG1016266
2-Butanone (MEK)	U		0.00501	0.0107	1	09/04/2017 23:18	WG1016266
Methylene Chloride	U		0.00107	0.00535	1	09/04/2017 23:18	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/04/2017 23:18	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/04/2017 23:18	WG1016266
Naphthalene	U		0.00107	0.00535	1	09/04/2017 23:18	WG1016266
n-Propylbenzene	U		0.000221	0.00107	1	09/04/2017 23:18	WG1016266
Styrene	U		0.000251	0.00107	1	09/04/2017 23:18	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/04/2017 23:18	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/04/2017 23:18	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/04/2017 23:18	WG1016266
Tetrachloroethene	U		0.00746	0.0270	25.25	09/07/2017 16:58	WG1016266
Toluene	U		0.000465	0.00535	1	09/04/2017 23:18	WG1016266
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/04/2017 23:18	WG1016266
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	09/04/2017 23:18	WG1016266
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/04/2017 23:18	WG1016266
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/04/2017 23:18	WG1016266
Trichloroethene	U		0.000299	0.00107	1	09/04/2017 23:18	WG1016266
Trichlorofluoromethane	U		0.000409	0.00535	1	09/04/2017 23:18	WG1016266
1,2,3-Trichloropropane	U		0.000793	0.00268	1	09/04/2017 23:18	WG1016266
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/04/2017 23:18	WG1016266
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/04/2017 23:18	WG1016266
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/04/2017 23:18	WG1016266
Vinyl acetate	U		0.00256	0.0107	1	09/04/2017 23:18	WG1016266
Vinyl chloride	U		0.000312	0.00107	1	09/04/2017 23:18	WG1016266
Xylenes, Total	U		0.000747	0.00321	1	09/04/2017 23:18	WG1016266
(S) Toluene-d8	*101*			*80.0-120*		*09/04/2017 23:18*	WG1016266
(S) Toluene-d8	*97.8*			*80.0-120*		*09/07/2017 16:58*	WG1016266
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 16:58*	WG1016266
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*09/04/2017 23:18*	WG1016266
(S) 4-Bromofluorobenzene	*89.0*			*64.0-132*		*09/04/2017 23:18*	WG1016266
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/07/2017 16:58*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	09/07/2017 11:37	WG1017615

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.270	1.35	25	09/07/2017 17:24	WG1016266
Acrylonitrile	U		0.0483	0.270	25	09/07/2017 17:24	WG1016266
Benzene	U		0.00728	0.0270	25	09/07/2017 17:24	WG1016266
Bromobenzene	U		0.00766	0.0270	25	09/07/2017 17:24	WG1016266
Bromodichloromethane	U		0.00685	0.0270	25	09/07/2017 17:24	WG1016266
Bromochloromethane	U		0.0105	0.135	25	09/07/2017 17:24	WG1016266
Bromoform	U		0.0114	0.0270	25	09/07/2017 17:24	WG1016266
Bromomethane	U		0.0361	0.135	25	09/07/2017 17:24	WG1016266
n-Butylbenzene	U		0.00696	0.0270	25	09/07/2017 17:24	WG1016266
sec-Butylbenzene	U		0.00541	0.0270	25	09/07/2017 17:24	WG1016266
tert-Butylbenzene	U		0.00555	0.0270	25	09/07/2017 17:24	WG1016266
Carbon disulfide	U		0.00595	0.0270	25	09/07/2017 17:24	WG1016266
Carbon tetrachloride	U		0.00884	0.0270	25	09/07/2017 17:24	WG1016266
Chlorobenzene	U		0.00572	0.0270	25	09/07/2017 17:24	WG1016266
Chlorodibromomethane	U		0.0101	0.0270	25	09/07/2017 17:24	WG1016266
Chloroethane	U		0.0255	0.135	25	09/07/2017 17:24	WG1016266
Chloroform	U		0.00617	0.135	25	09/07/2017 17:24	WG1016266
Chloromethane	U		0.0101	0.0674	25	09/07/2017 17:24	WG1016266
2-Chlorotoluene	U		0.00811	0.0270	25	09/07/2017 17:24	WG1016266
4-Chlorotoluene	U		0.00647	0.0270	25	09/07/2017 17:24	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.0283	0.135	25	09/07/2017 17:24	WG1016266
1,2-Dibromoethane	U		0.00925	0.0270	25	09/07/2017 17:24	WG1016266
Dibromomethane	U		0.0103	0.0270	25	09/07/2017 17:24	WG1016266
1,2-Dichlorobenzene	U		0.00822	0.0270	25	09/07/2017 17:24	WG1016266
1,3-Dichlorobenzene	U		0.00645	0.0270	25	09/07/2017 17:24	WG1016266
1,4-Dichlorobenzene	U		0.00609	0.0270	25	09/07/2017 17:24	WG1016266
Dichlorodifluoromethane	U		0.0192	0.135	25	09/07/2017 17:24	WG1016266
1,1-Dichloroethane	U		0.00537	0.0270	25	09/07/2017 17:24	WG1016266
1,2-Dichloroethane	U		0.00714	0.0270	25	09/07/2017 17:24	WG1016266
1,1-Dichloroethene	U		0.00817	0.0270	25	09/07/2017 17:24	WG1016266
cis-1,2-Dichloroethene	U		0.00634	0.0270	25	09/07/2017 17:24	WG1016266
trans-1,2-Dichloroethene	U		0.00712	0.0270	25	09/07/2017 17:24	WG1016266
1,2-Dichloropropane	U		0.00965	0.0270	25	09/07/2017 17:24	WG1016266
1,1-Dichloropropene	U		0.00854	0.0270	25	09/07/2017 17:24	WG1016266
1,3-Dichloropropane	U		0.00559	0.0270	25	09/07/2017 17:24	WG1016266
cis-1,3-Dichloropropene	U		0.00706	0.0270	25	09/07/2017 17:24	WG1016266
trans-1,3-Dichloropropene	U		0.00720	0.0270	25	09/07/2017 17:24	WG1016266
trans-1,4-Dichloro-2-butene	U		0.0209	0.0674	25	09/07/2017 17:24	WG1016266
2,2-Dichloropropane	U		0.00753	0.0270	25	09/07/2017 17:24	WG1016266
Di-isopropyl ether	U		0.00669	0.0270	25	09/07/2017 17:24	WG1016266
Ethylbenzene	U		0.00800	0.0270	25	09/07/2017 17:24	WG1016266
Hexachloro-1,3-butadiene	U		0.00922	0.0270	25	09/07/2017 17:24	WG1016266
2-Hexanone	U		0.0369	0.270	25	09/07/2017 17:24	WG1016266
n-Hexane	U		0.00782	0.270	25	09/07/2017 17:24	WG1016266
Iodomethane	U		0.0682	0.270	25	09/07/2017 17:24	WG1016266
Isopropylbenzene	U		0.00656	0.0270	25	09/07/2017 17:24	WG1016266
p-Isopropyltoluene	U		0.00550	0.0270	25	09/07/2017 17:24	WG1016266
2-Butanone (MEK)	U		0.126	0.270	25	09/07/2017 17:24	WG1016266
Methylene Chloride	U		0.0270	0.135	25	09/07/2017 17:24	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.0507	0.270	25	09/07/2017 17:24	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.00683	J	0.00572	0.0270	25	09/07/2017 17:24	WG1016266
Naphthalene	U		0.0270	0.135	25	09/07/2017 17:24	WG1016266
n-Propylbenzene	U		0.00555	0.0270	25	09/07/2017 17:24	WG1016266
Styrene	U		0.00631	0.0270	25	09/07/2017 17:24	WG1016266
1,1,1,2-Tetrachloroethane	U		0.00712	0.0270	25	09/07/2017 17:24	WG1016266
1,1,2,2-Tetrachloroethane	U		0.00984	0.0270	25	09/07/2017 17:24	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.00984	0.0270	25	09/07/2017 17:24	WG1016266
Tetrachloroethene	U		0.00744	0.0270	25	09/07/2017 17:24	WG1016266
Toluene	U		0.0116	0.135	25	09/07/2017 17:24	WG1016266
1,2,3-Trichlorobenzene	U		0.00825	0.0270	25	09/07/2017 17:24	WG1016266
1,2,4-Trichlorobenzene	U		0.0105	0.0270	25	09/07/2017 17:24	WG1016266
1,1,1-Trichloroethane	U		0.00771	0.0270	25	09/07/2017 17:24	WG1016266
1,1,2-Trichloroethane	U		0.00746	0.0270	25	09/07/2017 17:24	WG1016266
Trichloroethene	U		0.00753	0.0270	25	09/07/2017 17:24	WG1016266
Trichlorofluoromethane	U		0.0103	0.135	25	09/07/2017 17:24	WG1016266
1,2,3-Trichloropropane	U		0.0200	0.0674	25	09/07/2017 17:24	WG1016266
1,2,4-Trimethylbenzene	U		0.00569	0.0270	25	09/07/2017 17:24	WG1016266
1,2,3-Trimethylbenzene	U		0.00774	0.0270	25	09/07/2017 17:24	WG1016266
1,3,5-Trimethylbenzene	U		0.00717	0.0270	25	09/07/2017 17:24	WG1016266
Vinyl acetate	U		0.0645	0.270	25	09/07/2017 17:24	WG1016266
Vinyl chloride	U		0.00785	0.0270	25	09/07/2017 17:24	WG1016266
Xylenes, Total	U		0.0188	0.0809	25	09/07/2017 17:24	WG1016266
(S) Toluene-d8	*86.9*			*80.0-120*		*09/07/2017 17:24*	WG1016266
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/07/2017 17:24*	WG1016266
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/07/2017 17:24*	WG1016266

Sample Narrative:

L933267-13 WG1016266: No low level sodium bisulfite vials remaining for analysis.

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	1.42	J	1.05	25.0	1	09/08/2017 11:14	WG1015996
Acrylonitrile	U		0.873	5.00	1	09/01/2017 10:16	WG1015996
Benzene	U		0.0896	0.500	1	09/01/2017 10:16	WG1015996
Bromobenzene	U		0.133	0.500	1	09/01/2017 10:16	WG1015996
Bromodichloromethane	U		0.0800	0.500	1	09/01/2017 10:16	WG1015996
Bromochloromethane	U		0.145	0.500	1	09/01/2017 10:16	WG1015996
Bromoform	U		0.186	0.500	1	09/01/2017 10:16	WG1015996
Bromomethane	U	J3	0.157	2.50	1	09/08/2017 11:14	WG1015996
n-Butylbenzene	U		0.143	0.500	1	09/01/2017 10:16	WG1015996
sec-Butylbenzene	U		0.134	0.500	1	09/01/2017 10:16	WG1015996
tert-Butylbenzene	U		0.183	0.500	1	09/01/2017 10:16	WG1015996
Carbon disulfide	U		0.101	0.500	1	09/01/2017 10:16	WG1015996
Carbon tetrachloride	U		0.159	0.500	1	09/01/2017 10:16	WG1015996
Chlorobenzene	U		0.140	0.500	1	09/01/2017 10:16	WG1015996
Chlorodibromomethane	U		0.128	0.500	1	09/01/2017 10:16	WG1015996
Chloroethane	U		0.141	2.50	1	09/01/2017 10:16	WG1015996
Chloroform	U		0.0860	0.500	1	09/01/2017 10:16	WG1015996
Chloromethane	U		0.153	1.25	1	09/01/2017 10:16	WG1015996
2-Chlorotoluene	U		0.111	0.500	1	09/01/2017 10:16	WG1015996
4-Chlorotoluene	U		0.0972	0.500	1	09/01/2017 10:16	WG1015996
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/01/2017 10:16	WG1015996
1,2-Dibromoethane	U		0.193	0.500	1	09/01/2017 10:16	WG1015996
Dibromomethane	U		0.117	0.500	1	09/01/2017 10:16	WG1015996
1,2-Dichlorobenzene	U		0.101	0.500	1	09/01/2017 10:16	WG1015996
1,3-Dichlorobenzene	U		0.130	0.500	1	09/01/2017 10:16	WG1015996
1,4-Dichlorobenzene	U		0.121	0.500	1	09/01/2017 10:16	WG1015996
Dichlorodifluoromethane	U		0.127	2.50	1	09/01/2017 10:16	WG1015996
1,1-Dichloroethane	U		0.114	0.500	1	09/01/2017 10:16	WG1015996
1,2-Dichloroethane	U		0.108	0.500	1	09/01/2017 10:16	WG1015996
1,1-Dichloroethene	U		0.188	0.500	1	09/01/2017 10:16	WG1015996
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/01/2017 10:16	WG1015996
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/01/2017 10:16	WG1015996
1,2-Dichloropropane	U		0.190	0.500	1	09/01/2017 10:16	WG1015996
1,1-Dichloropropene	U		0.128	0.500	1	09/01/2017 10:16	WG1015996
1,3-Dichloropropane	U		0.147	1.00	1	09/01/2017 10:16	WG1015996
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/01/2017 10:16	WG1015996
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/08/2017 11:14	WG1015996
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/01/2017 10:16	WG1015996
2,2-Dichloropropane	U		0.0929	0.500	1	09/01/2017 10:16	WG1015996
Di-isopropyl ether	U		0.0924	0.500	1	09/01/2017 10:16	WG1015996
Ethylbenzene	U		0.158	0.500	1	09/01/2017 10:16	WG1015996
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/01/2017 10:16	WG1015996
2-Hexanone	U		0.757	5.00	1	09/08/2017 11:14	WG1015996
n-Hexane	U		0.305	5.00	1	09/01/2017 10:16	WG1015996
Iodomethane	U	J3	0.377	10.0	1	09/08/2017 11:14	WG1015996
Isopropylbenzene	U		0.126	0.500	1	09/01/2017 10:16	WG1015996
p-Isopropyltoluene	U		0.138	0.500	1	09/01/2017 10:16	WG1015996
2-Butanone (MEK)	U		1.28	5.00	1	09/08/2017 11:14	WG1015996
Methylene Chloride	U		1.07	2.50	1	09/01/2017 10:16	WG1015996
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/01/2017 10:16	WG1015996
Methyl tert-butyl ether	U		0.102	0.500	1	09/08/2017 11:14	WG1015996
Naphthalene	U		0.174	2.50	1	09/01/2017 10:16	WG1015996
n-Propylbenzene	U		0.162	0.500	1	09/01/2017 10:16	WG1015996
Styrene	U		0.117	0.500	1	09/08/2017 11:14	WG1015996
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/01/2017 10:16	WG1015996
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/01/2017 10:16	WG1015996

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/01/2017 10:16	WG1015996
Tetrachloroethene	U		0.199	0.500	1	09/01/2017 10:16	WG1015996
Toluene	U		0.412	0.500	1	09/01/2017 10:16	WG1015996
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/01/2017 10:16	WG1015996
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/01/2017 10:16	WG1015996
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/01/2017 10:16	WG1015996
1,1,2-Trichloroethane	U		0.186	0.500	1	09/01/2017 10:16	WG1015996
Trichloroethene	U		0.153	0.500	1	09/01/2017 10:16	WG1015996
Trichlorofluoromethane	U		0.130	2.50	1	09/01/2017 10:16	WG1015996
1,2,3-Trichloropropane	U		0.247	2.50	1	09/01/2017 10:16	WG1015996
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/01/2017 10:16	WG1015996
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/01/2017 10:16	WG1015996
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/01/2017 10:16	WG1015996
Vinyl acetate	U		0.645	5.00	1	09/01/2017 10:16	WG1015996
Vinyl chloride	U		0.118	0.500	1	09/01/2017 10:16	WG1015996
Xylenes, Total	U		0.316	1.50	1	09/01/2017 10:16	WG1015996
(S) Toluene-d8	*102*			*80.0-120*		*09/08/2017 11:14*	WG1015996
(S) Toluene-d8	*103*			*80.0-120*		*09/01/2017 10:16*	WG1015996
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/01/2017 10:16*	WG1015996
(S) Dibromofluoromethane	*106*			*76.0-123*		*09/08/2017 11:14*	WG1015996
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*09/08/2017 11:14*	WG1015996
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*09/01/2017 10:16*	WG1015996

Method Blank (MB)

(MB) R3247741-1 09/07/17 13:21

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000400			

L933266-13 Original Sample (OS) • Duplicate (DUP)

(OS) L933266-13 09/07/17 13:21 • (DUP) R3247741-3 09/07/17 13:21

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	72.0	72.2	1	0.270		5

Laboratory Control Sample (LCS)

(LCS) R3247741-2 09/07/17 13:21

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) R3247724-1 09/07/17 11:37

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00140			

L933267-09 Original Sample (OS) • Duplicate (DUP)

(OS) L933267-09 09/07/17 11:37 • (DUP) R3247724-3 09/07/17 11:37

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.2	93.5	1	0.248		5

Laboratory Control Sample (LCS)

(LCS) R3247724-2 09/07/17 11:37

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) R3247528-3 09/03/17 14:21

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)	*95.9*			*77.0-120*

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

(LCS) R3247528-1 09/03/17 13:10 • (LCSD) R3247528-2 09/03/17 13:33

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 %
Gasoline Range Organics-NWTPH	5.50	5.14	5.31	93.5	96.6	70.0-133			3.24	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*102*	*77.0-120*				

Method Blank (MB)

(MB) R3247051-3 09/03/17 15:51

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)	*97.5*			*77.0-122*

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

(LCS) R3247051-1 09/03/17 14:16 • (LCSD) R3247051-2 09/03/17 15:03

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 %
Gasoline Range Organics-NWTPH	5500	5700	5650	104	103	72.0-134			0.890	20
(S) a,a,a-Trifluorotoluene(FID)				*110*	*110*	*77.0-122*				

L933750-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L933750-05 09/03/17 22:57 • (MS) R3247051-4 09/03/17 23:21 • (MSD) R3247051-5 09/03/17 23:44

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 %
Gasoline Range Organics-NWTPH	5500	45.0	6360	6300	115	114	1	23.0-159			0.810	20
(S) a,a,a-Trifluorotoluene(FID)					*108*	*109*		*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) R3246436-3 09/01/17 09:06

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
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	0.169	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
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) R3246436-3 09/01/17 09:06

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	3.47	J	0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*101*			*76.0-123*
(S) 4-Bromofluorobenzene	*107*			*80.0-120*

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

(LCS) R3246436-1 09/01/17 08:14 • (LCSD) R3246436-2 09/01/17 08:32

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	178	183	142	147	10.0-160			3.17	23
Acrylonitrile	125	168	146	134	117	60.0-142			14.1	20
Benzene	25.0	27.3	26.5	109	106	69.0-123			2.95	20
Bromobenzene	25.0	26.9	26.7	107	107	79.0-120			0.680	20
Bromodichloromethane	25.0	27.6	27.1	110	108	76.0-120			2.05	20
Bromochloromethane	25.0	26.6	26.2	106	105	76.0-122			1.59	20
Bromoform	25.0	28.2	27.7	113	111	67.0-132			1.72	20
Bromomethane	25.0	14.8	18.2	59.3	73.0	18.0-160		J3	20.6	20
n-Butylbenzene	25.0	30.0	29.7	120	119	72.0-126			0.740	20
sec-Butylbenzene	25.0	28.1	28.0	112	112	74.0-121			0.150	20
tert-Butylbenzene	25.0	27.6	27.4	111	109	75.0-122			1.06	20
Carbon disulfide	25.0	25.5	25.0	102	99.8	55.0-127			2.02	20
Carbon tetrachloride	25.0	26.1	25.2	104	101	63.0-122			3.54	20
Chlorobenzene	25.0	27.7	27.5	111	110	79.0-121			0.870	20
Chlorodibromomethane	25.0	27.7	27.8	111	111	75.0-125			0.410	20
Chloroethane	25.0	22.5	22.4	90.1	89.5	47.0-152			0.730	20
Chloroform	25.0	27.1	26.2	108	105	72.0-121			3.27	20
Chloromethane	25.0	21.4	21.0	85.8	83.9	48.0-139			2.24	20
2-Chlorotoluene	25.0	28.8	28.0	115	112	74.0-122			2.89	20
4-Chlorotoluene	25.0	27.9	28.2	112	113	79.0-120			0.930	20
1,2-Dibromo-3-Chloropropane	25.0	30.7	28.4	123	113	64.0-127			7.78	20
1,2-Dibromoethane	25.0	28.5	27.1	114	108	77.0-123			5.34	20
Dibromomethane	25.0	28.2	27.5	113	110	78.0-120			2.51	20
1,2-Dichlorobenzene	25.0	27.9	27.6	111	110	80.0-120			0.940	20
1,3-Dichlorobenzene	25.0	27.1	26.8	109	107	72.0-123			1.39	20
1,4-Dichlorobenzene	25.0	25.7	25.3	103	101	77.0-120			1.53	20
Dichlorodifluoromethane	25.0	24.3	23.8	97.1	95.2	49.0-155			2.01	20
1,1-Dichloroethane	25.0	28.4	27.8	114	111	70.0-126			2.13	20
1,2-Dichloroethane	25.0	28.6	27.4	114	109	67.0-126			4.41	20
1,1-Dichloroethene	25.0	25.7	24.7	103	98.8	64.0-129			4.11	20
cis-1,2-Dichloroethene	25.0	25.1	25.2	100	101	73.0-120			0.270	20
trans-1,2-Dichloroethene	25.0	26.0	25.4	104	102	71.0-121			2.31	20
1,2-Dichloropropane	25.0	28.7	27.7	115	111	75.0-125			3.59	20
1,1-Dichloropropene	25.0	28.0	27.4	112	110	71.0-129			2.13	20
1,3-Dichloropropane	25.0	28.3	26.9	113	108	80.0-121			5.14	20
cis-1,3-Dichloropropene	25.0	30.1	29.3	120	117	79.0-123			2.55	20
trans-1,3-Dichloropropene	25.0	25.9	25.2	104	101	74.0-127			2.69	20
trans-1,4-Dichloro-2-butene	25.0	21.9	21.0	87.6	84.2	55.0-134			4.02	20
2,2-Dichloropropane	25.0	28.6	27.1	114	108	60.0-125			5.31	20
Di-isopropyl ether	25.0	27.3	26.7	109	107	59.0-133			2.23	20

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

(LCS) R3246436-1 09/01/17 08:14 • (LCSD) R3246436-2 09/01/17 08:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	27.3	26.6	109	106	77.0-120			2.58	20
Hexachloro-1,3-butadiene	25.0	27.9	27.6	112	110	64.0-131			1.12	20
2-Hexanone	125	170	166	136	133	58.0-147			2.19	20
n-Hexane	25.0	27.8	27.7	111	111	56.0-124			0.280	20
Iodomethane	125	95.4	118	76.3	94.4	57.0-140		J3	21.2	20
Isopropylbenzene	25.0	28.0	27.7	112	111	75.0-120			1.06	20
p-Isopropyltoluene	25.0	29.0	28.5	116	114	74.0-126			1.57	20
2-Butanone (MEK)	125	175	176	140	141	37.0-158			0.400	20
Methylene Chloride	25.0	26.3	24.8	105	99.1	66.0-121			5.93	20
4-Methyl-2-pentanone (MIBK)	125	151	142	120	114	59.0-143			5.57	20
Methyl tert-butyl ether	25.0	26.6	25.6	106	102	64.0-123			3.88	20
Naphthalene	25.0	28.4	27.7	114	111	62.0-128			2.46	20
n-Propylbenzene	25.0	28.6	28.6	114	114	79.0-120			0.0700	20
Styrene	25.0	28.6	28.0	114	112	78.0-124			2.21	20
1,1,1,2-Tetrachloroethane	25.0	25.8	25.6	103	102	75.0-122			0.720	20
1,1,2,2-Tetrachloroethane	25.0	30.1	28.3	120	113	71.0-122			6.25	20
1,1,2-Trichlorotrifluoroethane	25.0	25.9	26.0	104	104	61.0-136			0.140	20
Tetrachloroethene	25.0	26.6	26.5	106	106	70.0-127			0.500	20
Toluene	25.0	26.3	26.3	105	105	77.0-120			0.200	20
1,2,3-Trichlorobenzene	25.0	27.2	27.7	109	111	61.0-133			1.72	20
1,2,4-Trichlorobenzene	25.0	27.2	27.4	109	110	69.0-129			0.530	20
1,1,1-Trichloroethane	25.0	26.8	26.6	107	106	68.0-122			1.01	20
1,1,2-Trichloroethane	25.0	26.4	25.5	106	102	78.0-120			3.54	20
Trichloroethene	25.0	25.8	25.4	103	102	78.0-120			1.24	20
Trichlorofluoromethane	25.0	22.3	22.0	89.2	87.8	56.0-137			1.56	20
1,2,3-Trichloropropane	25.0	29.5	29.0	118	116	72.0-124			1.77	20
1,2,4-Trimethylbenzene	25.0	27.5	27.3	110	109	75.0-120			0.660	20
1,2,3-Trimethylbenzene	25.0	25.2	24.7	101	98.7	75.0-120			2.29	20
1,3,5-Trimethylbenzene	25.0	27.6	27.5	110	110	75.0-120			0.470	20
Vinyl acetate	125	179	168	143	134	46.0-160			6.72	20
Vinyl chloride	25.0	22.5	22.1	90.1	88.5	64.0-133			1.78	20
Xylenes, Total	75.0	81.5	80.8	109	108	77.0-120			0.860	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*100*	*99.9*	*76.0-123*				
(S) 4-Bromofluorobenzene				*105*	*106*	*80.0-120*				

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

Method Blank (MB)

(MB) R3246905-4 09/01/17 14:46

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

Method Blank (MB)

(MB) R3246905-4 09/01/17 14:46

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
Isopropylbenzene	U		0.126	0.500
n-Hexane	U		0.305	5.00
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
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,2,4-Trimethylbenzene	U		0.123	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*103*			*76.0-123*
(S) 4-Bromofluorobenzene	*99.1*			*80.0-120*

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

(LCS) R3246905-1 09/01/17 13:06 • (LCSD) R3246905-2 09/01/17 13:26

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 %
Acetone	125	148	164	119	131	10.0-160			10.1	23
Acrylonitrile	125	140	139	112	111	60.0-142			1.03	20
Benzene	25.0	26.9	26.4	107	105	69.0-123			1.93	20
Bromobenzene	25.0	23.9	23.8	95.6	95.3	79.0-120			0.340	20
Bromodichloromethane	25.0	26.7	26.2	107	105	76.0-120			1.62	20
Bromochloromethane	25.0	27.0	26.8	108	107	76.0-122			0.930	20
Bromoform	25.0	24.7	24.6	98.8	98.4	67.0-132			0.460	20
Bromomethane	25.0	28.5	27.5	114	110	18.0-160			3.76	20
n-Butylbenzene	25.0	28.4	28.6	114	114	72.0-126			0.630	20
sec-Butylbenzene	25.0	26.1	25.7	104	103	74.0-121			1.64	20
tert-Butylbenzene	25.0	25.3	25.4	101	102	75.0-122			0.610	20
Carbon disulfide	25.0	26.3	25.6	105	103	55.0-127			2.59	20
Carbon tetrachloride	25.0	26.1	25.5	104	102	63.0-122			2.44	20
Chlorobenzene	25.0	24.5	24.7	97.8	98.7	79.0-121			0.910	20
Chlorodibromomethane	25.0	25.5	25.4	102	102	75.0-125			0.280	20
Chloroethane	25.0	28.4	28.0	114	112	47.0-152			1.71	20
Chloroform	25.0	27.2	26.9	109	108	72.0-121			1.02	20
Chloromethane	25.0	25.6	25.4	102	101	48.0-139			1.00	20
2-Chlorotoluene	25.0	25.0	24.7	100	98.6	74.0-122			1.50	20
4-Chlorotoluene	25.0	24.6	24.4	98.5	97.6	79.0-120			0.970	20
1,2-Dibromo-3-Chloropropane	25.0	25.7	26.3	103	105	64.0-127			2.29	20
1,2-Dibromoethane	25.0	24.6	25.0	98.3	100	77.0-123			1.90	20
Dibromomethane	25.0	26.4	26.6	106	106	78.0-120			0.720	20
1,2-Dichlorobenzene	25.0	25.9	25.8	104	103	80.0-120			0.560	20
1,3-Dichlorobenzene	25.0	25.0	25.0	100	100	72.0-123			0.0700	20
1,4-Dichlorobenzene	25.0	24.6	24.7	98.6	99.0	77.0-120			0.410	20
Dichlorodifluoromethane	25.0	26.1	26.0	104	104	49.0-155			0.300	20
trans-1,4-Dichloro-2-butene	25.0	24.8	25.1	99.2	101	55.0-134			1.28	20
1,1-Dichloroethane	25.0	28.0	27.9	112	111	70.0-126			0.690	20
1,2-Dichloroethane	25.0	28.9	28.8	116	115	67.0-126			0.490	20
1,1-Dichloroethene	25.0	27.1	26.7	108	107	64.0-129			1.25	20
cis-1,2-Dichloroethene	25.0	26.9	26.3	108	105	73.0-120			2.40	20
trans-1,2-Dichloroethene	25.0	26.8	26.4	107	106	71.0-121			1.39	20
1,2-Dichloropropane	25.0	27.9	27.4	112	110	75.0-125			1.78	20
1,1-Dichloropropene	25.0	27.4	27.3	110	109	71.0-129			0.260	20
1,3-Dichloropropane	25.0	24.8	24.8	99.1	99.1	80.0-121			0.0600	20
cis-1,3-Dichloropropene	25.0	28.2	28.3	113	113	79.0-123			0.310	20
trans-1,3-Dichloropropene	25.0	27.8	27.8	111	111	74.0-127			0.0800	20
2,2-Dichloropropane	25.0	26.0	25.0	104	100	60.0-125			3.91	20
Di-isopropyl ether	25.0	27.5	27.0	110	108	59.0-133			1.91	20

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

(LCS) R3246905-1 09/01/17 13:06 • (LCSD) R3246905-2 09/01/17 13:26

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 %
Ethylbenzene	25.0	24.3	24.2	97.1	97.0	77.0-120			0.160	20
Hexachloro-1,3-butadiene	25.0	29.7	31.5	119	126	64.0-131			5.76	20
2-Hexanone	125	114	116	91.2	93.0	58.0-147			1.95	20
n-Hexane	25.0	27.1	26.4	108	105	56.0-124			2.56	20
Iodomethane	125	134	132	107	105	57.0-140			1.91	20
Isopropylbenzene	25.0	24.6	24.3	98.3	97.1	75.0-120			1.15	20
p-Isopropyltoluene	25.0	27.0	26.8	108	107	74.0-126			0.760	20
2-Butanone (MEK)	125	148	148	118	119	37.0-158			0.430	20
Methylene Chloride	25.0	26.5	26.0	106	104	66.0-121			2.05	20
4-Methyl-2-pentanone (MIBK)	125	130	131	104	105	59.0-143			0.790	20
Methyl tert-butyl ether	25.0	26.2	26.0	105	104	64.0-123			0.420	20
Naphthalene	25.0	27.2	28.0	109	112	62.0-128			2.87	20
n-Propylbenzene	25.0	25.6	25.5	102	102	79.0-120			0.510	20
Styrene	25.0	25.2	24.9	101	99.5	78.0-124			1.27	20
1,1,1,2-Tetrachloroethane	25.0	25.2	24.9	101	99.7	75.0-122			1.05	20
1,1,2,2-Tetrachloroethane	25.0	25.0	24.6	99.9	98.3	71.0-122			1.63	20
Tetrachloroethene	25.0	23.9	23.8	95.6	95.2	70.0-127			0.450	20
Toluene	25.0	24.3	24.3	97.3	97.4	77.0-120			0.0600	20
1,1,2-Trichlorotrifluoroethane	25.0	26.8	26.4	107	106	61.0-136			1.45	20
1,2,3-Trichlorobenzene	25.0	31.2	31.5	125	126	61.0-133			1.17	20
1,2,4-Trichlorobenzene	25.0	31.1	31.6	124	127	69.0-129			1.75	20
1,1,1-Trichloroethane	25.0	27.7	26.9	111	107	68.0-122			2.92	20
1,1,2-Trichloroethane	25.0	24.9	25.1	99.7	100	78.0-120			0.650	20
Trichloroethene	25.0	25.9	26.0	104	104	78.0-120			0.490	20
Trichlorofluoromethane	25.0	28.6	28.4	115	114	56.0-137			0.900	20
1,2,3-Trichloropropane	25.0	24.5	24.5	98.2	98.0	72.0-124			0.120	20
1,2,3-Trimethylbenzene	25.0	24.1	23.9	96.5	95.8	75.0-120			0.760	20
1,2,4-Trimethylbenzene	25.0	25.5	25.4	102	102	75.0-120			0.310	20
1,3,5-Trimethylbenzene	25.0	25.5	25.1	102	100	75.0-120			1.51	20
Vinyl acetate	125	140	135	112	108	46.0-160			3.57	20
Vinyl chloride	25.0	28.0	27.6	112	110	64.0-133			1.56	20
Xylenes, Total	75.0	74.3	73.9	99.1	98.5	77.0-120			0.540	20
(S) Toluene-d8				*98.9*	*99.6*	*80.0-120*				
(S) Dibromofluoromethane				*106*	*106*	*76.0-123*				
(S) 4-Bromofluorobenzene				*99.6*	*100*	*80.0-120*				

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

Method Blank (MB)

(MB) R3247494-3 09/04/17 14:29

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) R3247494-3 09/04/17 14:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) Dibromofluoromethane	*91.4*			*74.0-131*
(S) 4-Bromofluorobenzene	*86.3*			*64.0-132*

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

(LCS) R3247494-1 09/04/17 13:28 • (LCSD) R3247494-4 09/04/17 15:32

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	0.0862	0.0896	69.0	71.7	11.0-160			3.83	23
Acrylonitrile	0.125	0.0991	0.0989	79.2	79.1	61.0-143			0.150	20
Benzene	0.0250	0.0217	0.0201	86.6	80.5	71.0-124			7.37	20
Bromobenzene	0.0250	0.0221	0.0203	88.5	81.2	78.0-120			8.67	20
Bromodichloromethane	0.0250	0.0243	0.0230	97.4	91.8	75.0-120			5.86	20
Bromoform	0.0250	0.0262	0.0243	105	97.2	65.0-133			7.56	20
Bromochloromethane	0.0250	0.0238	0.0230	95.1	91.9	80.0-121			3.45	20
Bromomethane	0.0250	0.0218	0.0212	87.2	84.8	26.0-160			2.78	20
n-Butylbenzene	0.0250	0.0244	0.0228	97.5	91.2	73.0-126			6.68	20
sec-Butylbenzene	0.0250	0.0238	0.0221	95.2	88.4	75.0-121			7.43	20
tert-Butylbenzene	0.0250	0.0242	0.0226	96.9	90.4	74.0-122			6.96	20
Carbon tetrachloride	0.0250	0.0227	0.0216	90.9	86.6	66.0-123			4.86	20
Carbon disulfide	0.0250	0.0186	0.0166	74.5	66.2	53.0-130			11.8	20
Chlorobenzene	0.0250	0.0300	0.0272	120	109	79.0-121			9.82	20
Chlorodibromomethane	0.0250	0.0297	0.0272	119	109	74.0-128			8.76	20
Chloroethane	0.0250	0.0216	0.0203	86.4	81.4	51.0-147			6.02	20
Chloroform	0.0250	0.0221	0.0211	88.5	84.5	73.0-123			4.59	20
Chloromethane	0.0250	0.0176	0.0178	70.3	71.2	51.0-138			1.22	20
2-Chlorotoluene	0.0250	0.0235	0.0218	93.9	87.1	72.0-124			7.53	20
4-Chlorotoluene	0.0250	0.0228	0.0211	91.4	84.3	78.0-120			8.04	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0261	0.0247	104	98.7	65.0-126			5.68	20
1,2-Dibromoethane	0.0250	0.0286	0.0263	114	105	78.0-122			8.51	20
Dibromomethane	0.0250	0.0240	0.0229	96.1	91.7	79.0-120			4.69	20
1,2-Dichlorobenzene	0.0250	0.0272	0.0253	109	101	80.0-120			7.09	20
1,3-Dichlorobenzene	0.0250	0.0272	0.0258	109	103	72.0-123			5.16	20
1,4-Dichlorobenzene	0.0250	0.0253	0.0240	101	95.9	77.0-120			5.47	20
Dichlorodifluoromethane	0.0250	0.0208	0.0246	83.2	98.4	49.0-155			16.8	20
trans-1,4-Dichloro-2-butene	0.0250	0.0224	0.0216	89.7	86.5	68.0-126			3.68	20
1,1-Dichloroethane	0.0250	0.0217	0.0208	86.7	83.0	70.0-128			4.32	20
1,2-Dichloroethane	0.0250	0.0219	0.0206	87.5	82.6	69.0-128			5.72	20
1,1-Dichloroethene	0.0250	0.0230	0.0214	92.0	85.6	63.0-131			7.16	20
cis-1,2-Dichloroethene	0.0250	0.0212	0.0200	84.8	80.2	74.0-123			5.60	20
trans-1,2-Dichloroethene	0.0250	0.0205	0.0191	82.0	76.3	72.0-122			7.25	20
1,2-Dichloropropane	0.0250	0.0240	0.0227	96.0	90.8	75.0-126			5.58	20
1,1-Dichloropropene	0.0250	0.0207	0.0194	82.8	77.6	72.0-130			6.49	20
1,3-Dichloropropane	0.0250	0.0283	0.0265	113	106	80.0-121			6.52	20
cis-1,3-Dichloropropene	0.0250	0.0293	0.0273	117	109	80.0-125			7.30	20
trans-1,3-Dichloropropene	0.0250	0.0305	0.0278	122	111	75.0-129			9.21	20
2,2-Dichloropropane	0.0250	0.0205	0.0197	81.9	78.6	60.0-129			4.15	20
Di-isopropyl ether	0.0250	0.0193	0.0181	77.2	72.4	62.0-133			6.44	20

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

(LCS) R3247494-1 09/04/17 13:28 • (LCSD) R3247494-4 09/04/17 15:32

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	0.0271	0.0248	109	99.0	77.0-120			9.17	20
Hexachloro-1,3-butadiene	0.0250	0.0287	0.0274	115	110	68.0-128			4.71	20
2-Hexanone	0.125	0.127	0.129	102	103	61.0-143			1.05	20
Isopropylbenzene	0.0250	0.0229	0.0212	91.6	85.0	75.0-120			7.53	20
n-Hexane	0.0250	0.0158	0.0146	63.1	58.5	57.0-125			7.68	20
Iodomethane	0.125	0.138	0.129	111	103	67.0-132			7.02	20
p-Isopropyltoluene	0.0250	0.0253	0.0239	101	95.5	74.0-125			5.71	20
2-Butanone (MEK)	0.125	0.0978	0.106	78.3	85.1	37.0-159			8.38	20
Methylene Chloride	0.0250	0.0216	0.0194	86.6	77.7	67.0-123			10.9	20
4-Methyl-2-pentanone (MIBK)	0.125	0.121	0.120	96.6	95.9	60.0-144			0.750	20
Methyl tert-butyl ether	0.0250	0.0215	0.0206	85.9	82.4	66.0-125			4.13	20
Naphthalene	0.0250	0.0245	0.0230	98.0	91.8	64.0-125			6.46	20
n-Propylbenzene	0.0250	0.0234	0.0217	93.6	86.9	78.0-120			7.46	20
Styrene	0.0250	0.0246	0.0224	98.3	89.5	78.0-124			9.33	20
1,1,1,2-Tetrachloroethane	0.0250	0.0277	0.0261	111	104	74.0-124			6.02	20
1,1,2,2-Tetrachloroethane	0.0250	0.0229	0.0221	91.5	88.5	73.0-120			3.28	20
Tetrachloroethene	0.0250	0.0310	0.0285	124	114	70.0-127			8.13	20
Toluene	0.0250	0.0257	0.0234	103	93.7	77.0-120			9.11	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0246	0.0229	98.4	91.6	64.0-135			7.06	20
1,2,3-Trichlorobenzene	0.0250	0.0284	0.0272	114	109	68.0-126			4.31	20
1,2,4-Trichlorobenzene	0.0250	0.0289	0.0281	116	112	70.0-127			2.90	20
1,1,1-Trichloroethane	0.0250	0.0214	0.0203	85.4	81.2	69.0-125			5.07	20
1,1,2-Trichloroethane	0.0250	0.0277	0.0254	111	102	78.0-120			8.41	20
Trichloroethene	0.0250	0.0258	0.0246	103	98.2	79.0-120			5.12	20
Trichlorofluoromethane	0.0250	0.0280	0.0266	112	106	59.0-136			5.31	20
1,2,3-Trichloropropane	0.0250	0.0224	0.0222	89.5	88.7	73.0-124			0.860	20
1,2,3-Trimethylbenzene	0.0250	0.0218	0.0201	87.4	80.6	76.0-120			8.06	20
1,2,4-Trimethylbenzene	0.0250	0.0216	0.0206	86.2	82.3	75.0-120			4.63	20
1,3,5-Trimethylbenzene	0.0250	0.0227	0.0215	91.0	86.1	75.0-120			5.52	20
Vinyl chloride	0.0250	0.0236	0.0240	94.4	96.1	63.0-134			1.86	20
Xylenes, Total	0.0750	0.0809	0.0733	108	97.7	77.0-120			9.86	20
Vinyl acetate	0.125	0.114	0.110	91.2	88.0	58.0-156			3.63	20
(S) Toluene-d8				*110*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*88.3*	*89.2*	*74.0-131*				
(S) 4-Bromofluorobenzene				*84.9*	*85.0*	*64.0-132*				

L933267-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L933267-01 09/04/17 19:52 • (MS) R3247494-5 09/04/17 16:05 • (MSD) R3247494-6 09/04/17 16:26

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	0.151	U	4.31	4.54	28.6	30.1	100	10.0-160			5.27	36
Acrylonitrile	0.151	U	5.70	6.47	37.8	42.9	100	14.0-160			12.5	33
Benzene	0.0302	0.304	1.14	1.38	27.7	35.6	100	13.0-146			18.9	27
Bromobenzene	0.0302	U	1.29	1.60	42.7	53.2	100	10.0-149			21.8	33
Bromodichloromethane	0.0302	U	1.18	1.58	39.2	52.5	100	15.0-142		J3	29.0	28
Bromoform	0.0302	U	1.33	1.77	44.0	58.7	100	10.0-147			28.7	31
Bromomethane	0.0302	U	0.487	0.689	16.1	22.8	100	10.0-160		J3	34.4	32
Bromochloromethane	0.0302	U	0.992	1.27	32.9	42.1	100	24.0-146			24.5	27
n-Butylbenzene	0.0302	0.973	1.85	2.02	29.0	34.8	100	10.0-154			9.03	37
sec-Butylbenzene	0.0302	0.642	1.73	1.91	36.2	42.0	100	10.0-151			9.64	36
tert-Butylbenzene	0.0302	U	1.21	1.49	40.0	49.4	100	10.0-152			21.0	35
Carbon tetrachloride	0.0302	U	0.879	1.11	29.1	36.9	100	13.0-140			23.5	30
Chlorobenzene	0.0302	U	1.29	1.66	42.9	55.2	100	10.0-149			25.1	31
Chlorodibromomethane	0.0302	U	1.40	1.83	46.4	60.8	100	12.0-147			26.9	29
Carbon disulfide	0.0302	U	0.185	0.222	6.14	7.37	100	10.0-141	J6	J6	18.3	30
Chloroethane	0.0302	U	0.565	0.725	18.7	24.0	100	10.0-159			24.8	33
Chloroform	0.0302	U	1.04	1.36	34.3	45.0	100	18.0-148			26.9	28
Chloromethane	0.0302	U	0.392	0.483	13.0	16.0	100	10.0-146			20.8	29
2-Chlorotoluene	0.0302	U	1.44	1.72	47.6	56.9	100	10.0-151			17.8	35
4-Chlorotoluene	0.0302	U	0.998	1.34	33.1	44.5	100	10.0-150			29.3	35
1,2-Dibromo-3-Chloropropane	0.0302	U	1.37	1.90	45.4	63.2	100	10.0-149			32.7	34
1,2-Dibromoethane	0.0302	U	1.27	1.62	42.1	53.7	100	14.0-145			24.3	28
Dibromomethane	0.0302	U	1.08	1.45	35.8	48.0	100	18.0-144		J3	29.2	27
1,2-Dichlorobenzene	0.0302	U	1.30	1.78	43.1	58.9	100	10.0-153			30.9	34
1,3-Dichlorobenzene	0.0302	U	1.20	1.61	39.7	53.3	100	10.0-150			29.2	35
1,4-Dichlorobenzene	0.0302	U	1.13	1.51	37.6	50.1	100	10.0-148			28.4	34
Dichlorodifluoromethane	0.0302	U	0.645	0.733	21.4	24.3	100	10.0-160			12.8	30
1,1-Dichloroethane	0.0302	U	0.950	1.21	31.5	40.0	100	19.0-148			23.8	28
1,2-Dichloroethane	0.0302	U	0.941	1.29	31.2	42.9	100	17.0-147		J3	31.6	27
trans-1,4-Dichloro-2-butene	0.0302	U	1.26	1.52	41.9	50.3	100	10.0-160			18.2	40
1,1-Dichloroethene	0.0302	U	0.747	0.913	24.8	30.3	100	10.0-150			20.1	31
cis-1,2-Dichloroethene	0.0302	U	0.899	1.09	29.8	36.1	100	16.0-145			19.0	28
trans-1,2-Dichloroethene	0.0302	U	0.568	0.741	18.8	24.6	100	11.0-142			26.6	29
1,2-Dichloropropane	0.0302	U	1.15	1.48	38.0	49.0	100	17.0-148			25.3	28
1,1-Dichloropropene	0.0302	U	0.667	0.868	22.1	28.8	100	10.0-150			26.2	30
1,3-Dichloropropane	0.0302	U	1.32	1.73	43.7	57.5	100	16.0-148		J3	27.3	27
cis-1,3-Dichloropropene	0.0302	U	1.23	1.64	40.7	54.5	100	13.0-150		J3	29.0	28
trans-1,3-Dichloropropene	0.0302	U	1.34	1.74	44.4	57.7	100	10.0-152			26.0	29
2,2-Dichloropropane	0.0302	U	0.859	1.15	28.5	38.2	100	16.0-143			29.1	30

L933267-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L933267-01 09/04/17 19:52 • (MS) R3247494-5 09/04/17 16:05 • (MSD) R3247494-6 09/04/17 16:26

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	0.0302	U	0.966	1.24	32.0	41.0	100	16.0-149			24.4	28
Ethylbenzene	0.0302	4.74	5.89	6.03	38.1	42.7	100	10.0-147			2.35	31
Hexachloro-1,3-butadiene	0.0302	U	1.05	1.54	34.9	50.9	100	10.0-154			37.4	40
Isopropylbenzene	0.0302	0.851	1.91	2.20	35.3	44.7	100	10.0-147			13.8	33
2-Hexanone	0.151	U	6.45	8.87	42.8	58.8	100	12.0-158		J3	31.5	30
p-Isopropyltoluene	0.0302	0.255	1.46	1.70	39.8	47.9	100	10.0-156			15.4	37
2-Butanone (MEK)	0.151	U	5.50	6.65	36.5	44.1	100	10.0-160			19.0	33
n-Hexane	0.0302	U	0.272	0.326	9.03	10.8	100	10.0-140	J6		18.1	34
Iodomethane	0.151	U	4.03	5.12	26.7	34.0	100	10.0-157			23.8	34
Methylene Chloride	0.0302	U	0.768	0.989	25.5	32.8	100	16.0-139			25.2	29
4-Methyl-2-pentanone (MIBK)	0.151	U	8.37	10.0	55.5	66.6	100	12.0-160			18.1	32
Methyl tert-butyl ether	0.0302	U	1.04	1.38	34.6	45.7	100	21.0-145			27.5	29
Naphthalene	0.0302	5.21	6.07	6.68	28.7	48.8	100	10.0-153			9.51	36
n-Propylbenzene	0.0302	2.84	3.80	4.00	31.5	38.3	100	10.0-151			5.21	34
Styrene	0.0302	U	1.06	1.51	35.1	50.1	100	10.0-155		J3	35.2	34
1,1,1,2-Tetrachloroethane	0.0302	U	1.38	1.80	45.7	59.8	100	10.0-147			26.7	30
1,1,2,2-Tetrachloroethane	0.0302	U	1.44	1.88	47.7	62.3	100	10.0-155			26.5	31
Tetrachloroethene	0.0302	U	0.991	1.31	32.9	43.3	100	10.0-144			27.5	32
Toluene	0.0302	0.372	1.33	1.60	31.7	40.8	100	10.0-144			18.8	28
1,1,2-Trichlorotrifluoroethane	0.0302	U	0.976	1.17	32.4	38.8	100	10.0-153			18.1	33
1,2,3-Trichlorobenzene	0.0302	U	1.24	1.70	41.2	56.5	100	10.0-153			31.3	40
1,2,4-Trichlorobenzene	0.0302	U	1.20	1.59	39.7	52.6	100	10.0-156			28.1	40
1,1,1-Trichloroethane	0.0302	U	0.926	1.21	30.7	40.2	100	18.0-145			26.8	29
1,1,2-Trichloroethane	0.0302	U	1.64	2.06	54.5	68.3	100	12.0-151			22.4	28
Trichloroethene	0.0302	U	0.994	1.27	33.0	42.2	100	11.0-148			24.6	29
Trichlorofluoromethane	0.0302	U	0.847	1.11	28.1	36.8	100	10.0-157			26.8	34
1,2,3-Trichloropropane	0.0302	U	1.31	1.72	43.3	56.9	100	10.0-154			27.1	32
1,2,3-Trimethylbenzene	0.0302	5.03	5.56	5.77	17.3	24.4	100	10.0-150			3.77	33
1,2,4-Trimethylbenzene	0.0302	17.0	16.6	16.4	0.000	0.000	100	10.0-151	V	V	1.39	34
1,3,5-Trimethylbenzene	0.0302	3.37	4.18	4.32	27.1	31.7	100	10.0-150			3.30	33
Vinyl chloride	0.0302	U	0.545	0.675	18.1	22.4	100	10.0-150			21.3	29
Xylenes, Total	0.0905	6.02	9.14	9.84	34.6	42.3	100	10.0-150			7.37	31
Vinyl acetate	0.151	U	3.47	4.29	23.0	28.5	100	10.0-160			21.3	40
(S) Toluene-d8					*106*	*106*		*80.0-120*				
(S) Dibromofluoromethane					*87.8*	*88.1*		*74.0-131*				
(S) 4-Bromofluorobenzene					*91.2*	*89.3*		*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.
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.
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.

State Accreditations

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

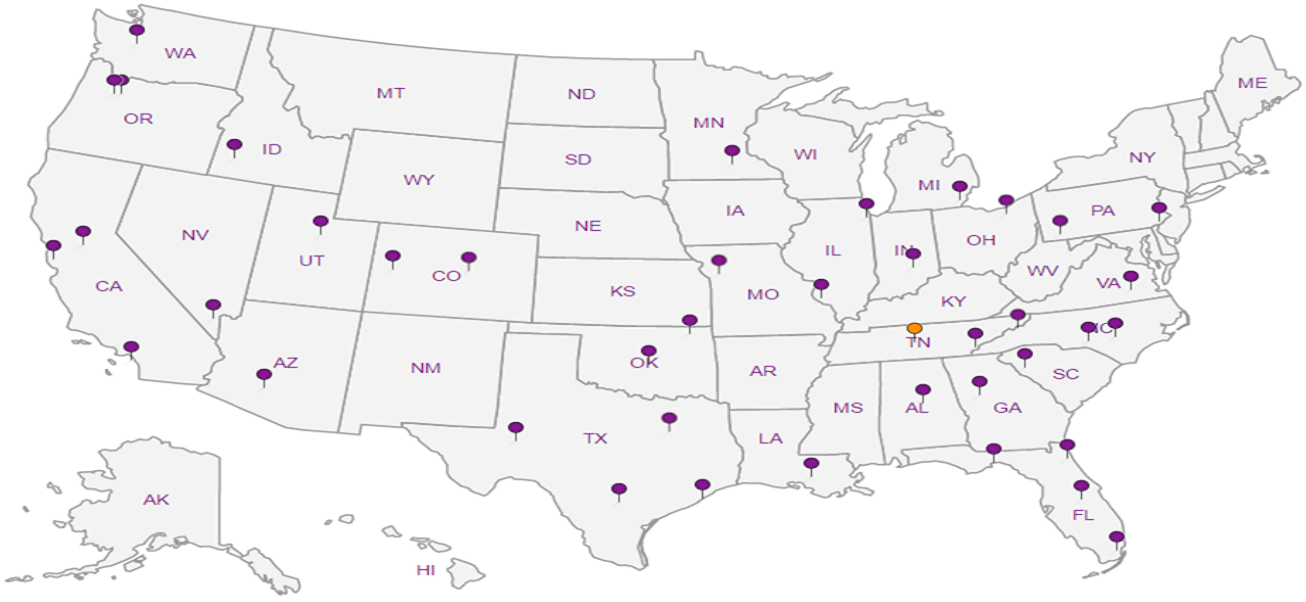
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl						Remarks	Sample # (lab only)
B-205-10	GRAB	SS	10	8/30/17	0930	5	X		X	X								-01
B-205-55		SS	55		1135	5	X		X	X								-02
~~B-MW~~ B-205-40-W		~~GW~~ SS	40		1030	6		X	~~X~~	~~X~~	X							-03
~~B-~~ MW-140-15		SS	15		1030	4			X	X								-04
~~B~~ MW-140-25		SS	25		1100	4			X	X								-05
~~B~~ MW-140-35		SS	35		1135	4			X	X								-06
~~B-~~ B-205-65		SS	65		1220	5	X		X	X								-07
B-205-75		SS	75		1500	5	X		X	X								-08
B-904-50		SS	50		1605	5	X		X	X								-09
~~B~~ MW-140-45	↓	SS	45	↓	1220	4			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 # 7474 0921 0241

Relinquished by: (Signature) — Date: 8/30/17 — Time: 1630 — Received by: (Signature)

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

Relinquished by: (Signature) — Date: — Time: — Received for lab by: (Signature) Kelly Thum — Date: 8/31/17 — Time: 0845

Trip Blank Received: Yes / No
HCL / MeOH
TBR

Temp: 5.1 °C — Bottles Received: 59

If preservation required by Login: Date/Time

Hold: — Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __N? 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 2

ESC LABORATORIES
a subsidiary of Environmental

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

L# L933267

Table B169

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl						Remarks	Sample # (lab only)
~~B~~ MW-140-55	GRAB	SS	55	8/30/17	1320	4			X	X								-11
~~B~~ MW-140-65	↓	SS	65	↓	1435	4			X	X								-12
~~B~~ MW-140-75	↓	SS	75	↓	1535	4			X	X								-13
~~B~~ TRIPBLANK-083017	NA	~~NA SS~~	NA	8/8/17	NA	~~1~~ 2			~~X~~	~~X~~	X							-14
B-		SS				4			X	X								
B-		SS				4			X	X								
B-		SS				4			X	X								
B-		SS				4			X	X								
B-		SS				4			X	X								
B-		SS				4			X	X								
B-		SS				4			X	X								

Analysis / Container / Preservative

Chain of Custody Page 2 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# L933267

Table #

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
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 ✓ FedEx __ Courier __ _____

Tracking # 7474 0921 0271

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)
	8/30/17	1630	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Kellythun

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 5.7 °C Bottles Received: 59

Date: 8/31/17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

MEMORANDUM

TO: Project File **DATE:** September 21, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: August 30, 2017 – Soil and Groundwater Samples

LAB: ESC Lab ID L933267

Twelve (12) soil samples including a field duplicate, one (1) groundwater sample, and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on August 30, 2017. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L933267. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L933267 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on August 30, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 5.7 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved waters from the date of sample 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 soils and preserved waters from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids. Holding time criteria were not met:

- Soil samples were collected on August 30, 2017 and analyzed for percent solids on September 7, 2017 slightly beyond the recommended seven day hold. No action is taken in this case as samples were appropriately preserved and it is unlikely that the holding time exceedances significantly impacted sample results.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable and ESC's notes do not indicate any calibration issues.

Method Blank Results

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

- Analytical batch WG1015996: Low levels of carbon disulfide and iodomethane were detected below the reporting limit in the method blank analyzed on September 1, 2017. No action is taken as these compounds were not detected in the associated sample.

NWTPH-Gx Method:
Laboratory method blanks were included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blanks at or above the RDL.

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batch 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:
A trip blank was collected and submitted for analysis. The target analytes (VOCs) were not detected in the trip blank at or above the reported detection limits (RDLs) with the following exception:

- A low level of acetone was detected below the reporting limit in the trip blank. No action was taken since acetone was not detected in the associated samples.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (B-205-75 and B904-50) results are comparable and less than 30% RPD with the following exception:

- Field duplicate RPD result for tetrachloroethene is greater than 30%. **Sample B-205-75 and B904-50 results for the above mentioned compounds are estimated and qualified (J).**

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 LCS/LCSDs or MS/MSDs results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on a client sample from another SDG, and client sample B-904-50. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

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

Laboratory Control Samples

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

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils and 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 sample B-205-10. The MS/MSD %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils with the following exceptions:

- MS/MSD (Batch WG1016266) RPD values for compounds bromodichloromethane, bromomethane, iodomethane, dibromomethane, 1,2-dichloroethane, 1,3-dichloropropane, cis-1,3-dichloropropene, 2-hexanone, and styrene are above laboratory acceptance criteria and qualified by the laboratory (J3). No action is taken in these cases since the spikes were within criteria but recovered wide. MS/MSD % Rs for carbon disulfide and n-hexane are low and below acceptance criteria. **Associated parent sample B-205-10 result for carbon disulfide and n-hexane are estimated and qualified (UJ).** MS/MSD % R's for 1,2,4-trimethylbenzene were not recovered because the sample amount is greater than four times the spike concentration and was qualified (V) by the laboratory. No action taken in this case. Refer to LCS/LCSD results for accuracy and precision data.

- For the water sample refer to LCS/LCSD results for accuracy and precision data.

NWTPH-Gx Method:
MS/MSDs were analyzed by the NWTPH-Gx method on a non-client sample within the analytical batches. The MS/MSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for waters. For soils refer to LCS/LCSD results for precision and accuracy results.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Samples B-205-55 and MW-140-75 were not reanalyzed at a lower dilution as there were no low level sodium bisulfite vials remaining for these samples. No action was taken other than to note this.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	09/07/2017 13:21	WG1017613

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	274		4.09	12.1	100	09/03/2017 18:33	WG1016318
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*77.0-120*		*09/03/2017 18:33*	WG1016318

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.21	6.03	100	09/04/2017 19:52	WG1016266
Acrylonitrile	U		0.216	1.21	100	09/04/2017 19:52	WG1016266
Benzene	0.304		0.0326	0.121	100	09/04/2017 19:52	WG1016266
Bromobenzene	U		0.0343	0.121	100	09/04/2017 19:52	WG1016266
Bromodichloromethane	U	J3	0.0306	0.121	100	09/04/2017 19:52	WG1016266
Bromochloromethane	U		0.0470	0.603	100	09/04/2017 19:52	WG1016266
Bromoform	U		0.0511	0.121	100	09/04/2017 19:52	WG1016266
Bromomethane	U	J3	0.162	0.603	100	09/04/2017 19:52	WG1016266
n-Butylbenzene	0.973		0.0311	0.121	100	09/04/2017 19:52	WG1016266
sec-Butylbenzene	0.642		0.0242	0.121	100	09/04/2017 19:52	WG1016266
tert-Butylbenzene	U		0.0248	0.121	100	09/04/2017 19:52	WG1016266
Carbon disulfide	U UJ	J6	0.0267	0.121	100	09/04/2017 19:52	WG1016266
Carbon tetrachloride	U		0.0396	0.121	100	09/04/2017 19:52	WG1016266
Chlorobenzene	U		0.0256	0.121	100	09/04/2017 19:52	WG1016266
Chlorodibromomethane	U		0.0450	0.121	100	09/04/2017 19:52	WG1016266
Chloroethane	U		0.114	0.603	100	09/04/2017 19:52	WG1016266
Chloroform	U		0.0276	0.603	100	09/04/2017 19:52	WG1016266
Chloromethane	U		0.0452	0.302	100	09/04/2017 19:52	WG1016266
2-Chlorotoluene	U		0.0363	0.121	100	09/04/2017 19:52	WG1016266
4-Chlorotoluene	U		0.0289	0.121	100	09/04/2017 19:52	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.127	0.603	100	09/04/2017 19:52	WG1016266
1,2-Dibromoethane	U		0.0414	0.121	100	09/04/2017 19:52	WG1016266
Dibromomethane	U	J3	0.0461	0.121	100	09/04/2017 19:52	WG1016266
1,2-Dichlorobenzene	U		0.0368	0.121	100	09/04/2017 19:52	WG1016266
1,3-Dichlorobenzene	U		0.0288	0.121	100	09/04/2017 19:52	WG1016266
1,4-Dichlorobenzene	U		0.0273	0.121	100	09/04/2017 19:52	WG1016266
Dichlorodifluoromethane	U		0.0860	0.603	100	09/04/2017 19:52	WG1016266
1,1-Dichloroethane	U		0.0240	0.121	100	09/04/2017 19:52	WG1016266
1,2-Dichloroethane	U	J3	0.0320	0.121	100	09/04/2017 19:52	WG1016266
1,1-Dichloroethene	U		0.0365	0.121	100	09/04/2017 19:52	WG1016266
cis-1,2-Dichloroethene	U		0.0283	0.121	100	09/04/2017 19:52	WG1016266
trans-1,2-Dichloroethene	U		0.0318	0.121	100	09/04/2017 19:52	WG1016266
1,2-Dichloropropane	U		0.0432	0.121	100	09/04/2017 19:52	WG1016266
1,1-Dichloropropene	U		0.0382	0.121	100	09/04/2017 19:52	WG1016266
1,3-Dichloropropane	U	J3	0.0250	0.121	100	09/04/2017 19:52	WG1016266
cis-1,3-Dichloropropene	U	J3	0.0316	0.121	100	09/04/2017 19:52	WG1016266
trans-1,3-Dichloropropene	U		0.0322	0.121	100	09/04/2017 19:52	WG1016266
trans-1,4-Dichloro-2-butene	U		0.0938	0.302	100	09/04/2017 19:52	WG1016266
2,2-Dichloropropane	U		0.0336	0.121	100	09/04/2017 19:52	WG1016266
Di-isopropyl ether	U		0.0299	0.121	100	09/04/2017 19:52	WG1016266
Ethylbenzene	4.74		0.0358	0.121	100	09/04/2017 19:52	WG1016266
Hexachloro-1,3-butadiene	U		0.0412	0.121	100	09/04/2017 19:52	WG1016266
2-Hexanone	U	J3	0.165	1.21	100	09/04/2017 19:52	WG1016266
n-Hexane	U UJ	J6	0.0350	1.21	100	09/04/2017 19:52	WG1016266

Volatile Organic Compounds (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		0.305	1.21	100	09/04/2017 19:52	WG1016266
Isopropylbenzene	0.851		0.0293	0.121	100	09/04/2017 19:52	WG1016266
p-Isopropyltoluene	0.255		0.0246	0.121	100	09/04/2017 19:52	WG1016266
2-Butanone (MEK)	U		0.564	1.21	100	09/04/2017 19:52	WG1016266
Methylene Chloride	U		0.121	0.603	100	09/04/2017 19:52	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.227	1.21	100	09/04/2017 19:52	WG1016266
Methyl tert-butyl ether	U		0.0256	0.121	100	09/04/2017 19:52	WG1016266
Naphthalene	5.21		0.121	0.603	100	09/04/2017 19:52	WG1016266
n-Propylbenzene	2.84		0.0248	0.121	100	09/04/2017 19:52	WG1016266
Styrene	U	J3	0.0282	0.121	100	09/04/2017 19:52	WG1016266
1,1,1,2-Tetrachloroethane	U		0.0318	0.121	100	09/04/2017 19:52	WG1016266
1,1,2,2-Tetrachloroethane	U		0.0440	0.121	100	09/04/2017 19:52	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.0440	0.121	100	09/04/2017 19:52	WG1016266
Tetrachloroethene	U		0.0333	0.121	100	09/04/2017 19:52	WG1016266
Toluene	0.372 J	J	0.0523	0.603	100	09/04/2017 19:52	WG1016266
1,2,3-Trichlorobenzene	U		0.0369	0.121	100	09/04/2017 19:52	WG1016266
1,2,4-Trichlorobenzene	U		0.0468	0.121	100	09/04/2017 19:52	WG1016266
1,1,1-Trichloroethane	U		0.0345	0.121	100	09/04/2017 19:52	WG1016266
1,1,2-Trichloroethane	U		0.0334	0.121	100	09/04/2017 19:52	WG1016266
Trichloroethene	U		0.0336	0.121	100	09/04/2017 19:52	WG1016266
Trichlorofluoromethane	U		0.0461	0.603	100	09/04/2017 19:52	WG1016266
1,2,3-Trichloropropane	U		0.0894	0.302	100	09/04/2017 19:52	WG1016266
1,2,4-Trimethylbenzene	17.0	V	0.0254	0.121	100	09/04/2017 19:52	WG1016266
1,2,3-Trimethylbenzene	5.03		0.0346	0.121	100	09/04/2017 19:52	WG1016266
1,3,5-Trimethylbenzene	3.37		0.0321	0.121	100	09/04/2017 19:52	WG1016266
Vinyl acetate	U		0.288	1.21	100	09/04/2017 19:52	WG1016266
Vinyl chloride	U		0.0351	0.121	100	09/04/2017 19:52	WG1016266
Xylenes, Total	6.02		0.0842	0.362	100	09/04/2017 19:52	WG1016266
(S) Toluene-d8	*106*			*80.0-120*		*09/04/2017 19:52*	WG1016266
(S) Dibromofluoromethane	*88.5*			*74.0-131*		*09/04/2017 19:52*	WG1016266
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*09/04/2017 19:52*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	09/07/2017 13:21	WG1017613

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		0.0396	0.117	1	09/03/2017 18:57	WG1016318
(S) a,a,a-Trifluorotoluene(FID)	*94.3*			*77.0-120*		*09/03/2017 18:57*	WG1016318

Volatile Organic Compounds (GC/MS) 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	0.0584	1	09/04/2017 20:13	WG1016266
Acrylonitrile	U		0.00209	0.0117	1	09/04/2017 20:13	WG1016266
Benzene	U		0.000315	0.00117	1	09/04/2017 20:13	WG1016266
Bromobenzene	U		0.000332	0.00117	1	09/04/2017 20:13	WG1016266
Bromodichloromethane	U		0.000297	0.00117	1	09/04/2017 20:13	WG1016266
Bromochloromethane	U		0.000456	0.00584	1	09/04/2017 20:13	WG1016266
Bromoform	U		0.000495	0.00117	1	09/04/2017 20:13	WG1016266
Bromomethane	U		0.00157	0.00584	1	09/04/2017 20:13	WG1016266
n-Butylbenzene	U		0.000301	0.00117	1	09/04/2017 20:13	WG1016266
sec-Butylbenzene	U		0.000235	0.00117	1	09/04/2017 20:13	WG1016266
tert-Butylbenzene	U		0.000241	0.00117	1	09/04/2017 20:13	WG1016266
Carbon disulfide	0.00157		0.000258	0.00117	1	09/04/2017 20:13	WG1016266
Carbon tetrachloride	U		0.000383	0.00117	1	09/04/2017 20:13	WG1016266
Chlorobenzene	U		0.000248	0.00117	1	09/04/2017 20:13	WG1016266
Chlorodibromomethane	U		0.000436	0.00117	1	09/04/2017 20:13	WG1016266
Chloroethane	U		0.00111	0.00584	1	09/04/2017 20:13	WG1016266
Chloroform	U		0.000268	0.00584	1	09/04/2017 20:13	WG1016266
Chloromethane	U		0.000438	0.00292	1	09/04/2017 20:13	WG1016266
2-Chlorotoluene	U		0.000352	0.00117	1	09/04/2017 20:13	WG1016266
4-Chlorotoluene	U		0.000280	0.00117	1	09/04/2017 20:13	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	09/04/2017 20:13	WG1016266
1,2-Dibromoethane	U		0.000401	0.00117	1	09/04/2017 20:13	WG1016266
Dibromomethane	U		0.000446	0.00117	1	09/04/2017 20:13	WG1016266
1,2-Dichlorobenzene	U		0.000356	0.00117	1	09/04/2017 20:13	WG1016266
1,3-Dichlorobenzene	U		0.000279	0.00117	1	09/04/2017 20:13	WG1016266
1,4-Dichlorobenzene	U		0.000264	0.00117	1	09/04/2017 20:13	WG1016266
Dichlorodifluoromethane	U		0.000833	0.00584	1	09/04/2017 20:13	WG1016266
1,1-Dichloroethane	U		0.000232	0.00117	1	09/04/2017 20:13	WG1016266
1,2-Dichloroethane	U		0.000310	0.00117	1	09/04/2017 20:13	WG1016266
1,1-Dichloroethene	U		0.000354	0.00117	1	09/04/2017 20:13	WG1016266
cis-1,2-Dichloroethene	0.0155		0.000275	0.00117	1	09/04/2017 20:13	WG1016266
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	09/04/2017 20:13	WG1016266
1,2-Dichloropropane	U		0.000418	0.00117	1	09/04/2017 20:13	WG1016266
1,1-Dichloropropene	U		0.000370	0.00117	1	09/04/2017 20:13	WG1016266
1,3-Dichloropropane	U		0.000242	0.00117	1	09/04/2017 20:13	WG1016266
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	09/04/2017 20:13	WG1016266
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	09/04/2017 20:13	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000909	0.00292	1	09/04/2017 20:13	WG1016266
2,2-Dichloropropane	U		0.000326	0.00117	1	09/04/2017 20:13	WG1016266
Di-isopropyl ether	U		0.000290	0.00117	1	09/04/2017 20:13	WG1016266
Ethylbenzene	U		0.000347	0.00117	1	09/04/2017 20:13	WG1016266
Hexachloro-1,3-butadiene	U		0.000400	0.00117	1	09/04/2017 20:13	WG1016266
2-Hexanone	U		0.00160	0.0117	1	09/04/2017 20:13	WG1016266
n-Hexane	0.00466	J	0.000339	0.0117	1	09/04/2017 20:13	WG1016266

Volatile Organic Compounds (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		0.00296	0.0117	1	09/04/2017 20:13	WG1016266
Isopropylbenzene	U		0.000284	0.00117	1	09/04/2017 20:13	WG1016266
p-Isopropyltoluene	U		0.000238	0.00117	1	09/04/2017 20:13	WG1016266
2-Butanone (MEK)	U		0.00547	0.0117	1	09/04/2017 20:13	WG1016266
Methylene Chloride	U		0.00117	0.00584	1	09/04/2017 20:13	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00220	0.0117	1	09/04/2017 20:13	WG1016266
Methyl tert-butyl ether	U		0.000248	0.00117	1	09/04/2017 20:13	WG1016266
Naphthalene	U		0.00117	0.00584	1	09/04/2017 20:13	WG1016266
n-Propylbenzene	U		0.000241	0.00117	1	09/04/2017 20:13	WG1016266
Styrene	U		0.000273	0.00117	1	09/04/2017 20:13	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	09/04/2017 20:13	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	09/04/2017 20:13	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	09/04/2017 20:13	WG1016266
Tetrachloroethene	0.0625		0.000322	0.00117	1	09/04/2017 20:13	WG1016266
Toluene	U		0.000507	0.00584	1	09/04/2017 20:13	WG1016266
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	09/04/2017 20:13	WG1016266
1,2,4-Trichlorobenzene	U		0.000453	0.00117	1	09/04/2017 20:13	WG1016266
1,1,1-Trichloroethane	U		0.000334	0.00117	1	09/04/2017 20:13	WG1016266
1,1,2-Trichloroethane	U		0.000324	0.00117	1	09/04/2017 20:13	WG1016266
Trichloroethene	0.00923		0.000326	0.00117	1	09/04/2017 20:13	WG1016266
Trichlorofluoromethane	U		0.000446	0.00584	1	09/04/2017 20:13	WG1016266
1,2,3-Trichloropropane	U		0.000866	0.00292	1	09/04/2017 20:13	WG1016266
1,2,4-Trimethylbenzene	U		0.00617	0.0292	25	09/07/2017 15:14	WG1016266
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	09/04/2017 20:13	WG1016266
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	09/04/2017 20:13	WG1016266
Vinyl acetate	U		0.00279	0.0117	1	09/04/2017 20:13	WG1016266
Vinyl chloride	0.00562		0.000340	0.00117	1	09/04/2017 20:13	WG1016266
Xylenes, Total	U		0.000815	0.00350	1	09/04/2017 20:13	WG1016266
(S) Toluene-d8	*91.1*			*80.0-120*		*09/07/2017 15:14*	WG1016266
(S) Toluene-d8	*102*			*80.0-120*		*09/04/2017 20:13*	WG1016266
(S) Dibromofluoromethane	*92.1*			*74.0-131*		*09/04/2017 20:13*	WG1016266
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/07/2017 15:14*	WG1016266
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*		*09/04/2017 20:13*	WG1016266
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*09/07/2017 15:14*	WG1016266

Sample Narrative:

L933267-02 WG1016266: No low level sodium bisulfite vials remaining for analysis.

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	6550		31.6	100	1	09/03/2017 16:39	WG1016529
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-122*		*09/03/2017 16:39*	WG1016529

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		105	2500	100	09/06/2017 17:31	WG1016167
Acrylonitrile	U		87.3	500	100	09/06/2017 17:31	WG1016167
Benzene	U		8.96	50.0	100	09/06/2017 17:31	WG1016167
Bromobenzene	U		13.3	50.0	100	09/06/2017 17:31	WG1016167
Bromodichloromethane	U		8.00	50.0	100	09/06/2017 17:31	WG1016167
Bromochloromethane	U		14.5	50.0	100	09/06/2017 17:31	WG1016167
Bromoform	U		18.6	50.0	100	09/06/2017 17:31	WG1016167
Bromomethane	U		15.7	250	100	09/08/2017 02:19	WG1016167
n-Butylbenzene	U		14.3	50.0	100	09/06/2017 17:31	WG1016167
sec-Butylbenzene	U		13.4	50.0	100	09/06/2017 17:31	WG1016167
tert-Butylbenzene	U		18.3	50.0	100	09/06/2017 17:31	WG1016167
Carbon disulfide	U		10.1	50.0	100	09/06/2017 17:31	WG1016167
Carbon tetrachloride	U		15.9	50.0	100	09/06/2017 17:31	WG1016167
Chlorobenzene	U		14.0	50.0	100	09/06/2017 17:31	WG1016167
Chlorodibromomethane	U		12.8	50.0	100	09/06/2017 17:31	WG1016167
Chloroethane	U		14.1	250	100	09/06/2017 17:31	WG1016167
Chloroform	U		8.60	50.0	100	09/06/2017 17:31	WG1016167
Chloromethane	U		15.3	125	100	09/06/2017 17:31	WG1016167
2-Chlorotoluene	U		11.1	50.0	100	09/06/2017 17:31	WG1016167
4-Chlorotoluene	U		9.72	50.0	100	09/06/2017 17:31	WG1016167
1,2-Dibromo-3-Chloropropane	U		32.5	250	100	09/06/2017 17:31	WG1016167
1,2-Dibromoethane	U		19.3	50.0	100	09/06/2017 17:31	WG1016167
Dibromomethane	U		11.7	50.0	100	09/06/2017 17:31	WG1016167
1,2-Dichlorobenzene	U		10.1	50.0	100	09/06/2017 17:31	WG1016167
1,3-Dichlorobenzene	U		13.0	50.0	100	09/06/2017 17:31	WG1016167
1,4-Dichlorobenzene	U		12.1	50.0	100	09/06/2017 17:31	WG1016167
Dichlorodifluoromethane	U		12.7	250	100	09/06/2017 17:31	WG1016167
1,1-Dichloroethane	U		11.4	50.0	100	09/06/2017 17:31	WG1016167
1,2-Dichloroethane	U		10.8	50.0	100	09/06/2017 17:31	WG1016167
1,1-Dichloroethene	U		18.8	50.0	100	09/06/2017 17:31	WG1016167
cis-1,2-Dichloroethene	5670		9.33	50.0	100	09/06/2017 17:31	WG1016167
trans-1,2-Dichloroethene	30.1 J	J	15.2	50.0	100	09/06/2017 17:31	WG1016167
1,2-Dichloropropane	U		19.0	50.0	100	09/06/2017 17:31	WG1016167
1,1-Dichloropropene	U		12.8	50.0	100	09/06/2017 17:31	WG1016167
1,3-Dichloropropane	U		14.7	100	100	09/06/2017 17:31	WG1016167
cis-1,3-Dichloropropene	U		9.76	50.0	100	09/06/2017 17:31	WG1016167
trans-1,3-Dichloropropene	U		22.2	50.0	100	09/06/2017 17:31	WG1016167
trans-1,4-Dichloro-2-butene	U		25.7	500	100	09/06/2017 17:31	WG1016167
2,2-Dichloropropane	U		9.29	50.0	100	09/06/2017 17:31	WG1016167
Di-isopropyl ether	U		9.24	50.0	100	09/06/2017 17:31	WG1016167
Ethylbenzene	U		15.8	50.0	100	09/06/2017 17:31	WG1016167
Hexachloro-1,3-butadiene	U		15.7	100	100	09/06/2017 17:31	WG1016167
2-Hexanone	U		75.7	500	100	09/06/2017 17:31	WG1016167
n-Hexane	U		30.5	500	100	09/06/2017 17:31	WG1016167
Iodomethane	U		37.7	1000	100	09/06/2017 17:31	WG1016167
Isopropylbenzene	U		12.6	50.0	100	09/06/2017 17:31	WG1016167
p-Isopropyltoluene	U		13.8	50.0	100	09/06/2017 17:31	WG1016167
2-Butanone (MEK)	U		128	500	100	09/06/2017 17:31	WG1016167

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	
Methylene Chloride	U		107	250	100	09/06/2017 17:31	WG1016167
4-Methyl-2-pentanone (MIBK)	U		82.3	500	100	09/06/2017 17:31	WG1016167
Methyl tert-butyl ether	U		10.2	50.0	100	09/06/2017 17:31	WG1016167
Naphthalene	U		17.4	250	100	09/06/2017 17:31	WG1016167
n-Propylbenzene	U		16.2	50.0	100	09/06/2017 17:31	WG1016167
Styrene	U		11.7	50.0	100	09/06/2017 17:31	WG1016167
1,1,1,2-Tetrachloroethane	U		12.0	50.0	100	09/06/2017 17:31	WG1016167
1,1,2,2-Tetrachloroethane	U		13.0	50.0	100	09/06/2017 17:31	WG1016167
1,1,2-Trichlorotrifluoroethane	U		16.4	50.0	100	09/06/2017 17:31	WG1016167
Tetrachloroethene	10300		19.9	50.0	100	09/06/2017 17:31	WG1016167
Toluene	55.6		41.2	50.0	100	09/06/2017 17:31	WG1016167
1,2,3-Trichlorobenzene	U		16.4	50.0	100	09/06/2017 17:31	WG1016167
1,2,4-Trichlorobenzene	U		35.5	50.0	100	09/06/2017 17:31	WG1016167
1,1,1-Trichloroethane	U		9.40	50.0	100	09/06/2017 17:31	WG1016167
1,1,2-Trichloroethane	U		18.6	50.0	100	09/06/2017 17:31	WG1016167
Trichloroethene	1130		15.3	50.0	100	09/06/2017 17:31	WG1016167
Trichlorofluoromethane	U		13.0	250	100	09/06/2017 17:31	WG1016167
1,2,3-Trichloropropane	U		24.7	250	100	09/06/2017 17:31	WG1016167
1,2,4-Trimethylbenzene	U		12.3	50.0	100	09/06/2017 17:31	WG1016167
1,2,3-Trimethylbenzene	U		7.39	50.0	100	09/06/2017 17:31	WG1016167
1,3,5-Trimethylbenzene	U		12.4	50.0	100	09/06/2017 17:31	WG1016167
Vinyl acetate	U		64.5	500	100	09/06/2017 17:31	WG1016167
Vinyl chloride	1010		11.8	50.0	100	09/06/2017 17:31	WG1016167
Xylenes, Total	U		31.6	150	100	09/06/2017 17:31	WG1016167
(S) Toluene-d8	*105*			*80.0-120*		*09/06/2017 17:31*	WG1016167
(S) Toluene-d8	*102*			*80.0-120*		*09/08/2017 02:19*	WG1016167
(S) Dibromofluoromethane	*106*			*76.0-123*		*09/08/2017 02:19*	WG1016167
(S) Dibromofluoromethane	*112*			*76.0-123*		*09/06/2017 17:31*	WG1016167
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*09/08/2017 02:19*	WG1016167
(S) 4-Bromofluorobenzene	*113*			*80.0-120*		*09/06/2017 17:31*	WG1016167

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	09/07/2017 13:21	WG1017613

Volatile Organic Compounds (GC/MS) 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	0.0570	1	09/04/2017 20:34	WG1016266
Acrylonitrile	U		0.00204	0.0114	1	09/04/2017 20:34	WG1016266
Benzene	U		0.000308	0.00114	1	09/04/2017 20:34	WG1016266
Bromobenzene	U		0.000324	0.00114	1	09/04/2017 20:34	WG1016266
Bromodichloromethane	U		0.000290	0.00114	1	09/04/2017 20:34	WG1016266
Bromochloromethane	U		0.000445	0.00570	1	09/04/2017 20:34	WG1016266
Bromoform	U		0.000484	0.00114	1	09/04/2017 20:34	WG1016266
Bromomethane	U		0.00153	0.00570	1	09/04/2017 20:34	WG1016266
n-Butylbenzene	U		0.000294	0.00114	1	09/04/2017 20:34	WG1016266
sec-Butylbenzene	U		0.000229	0.00114	1	09/04/2017 20:34	WG1016266
tert-Butylbenzene	U		0.000235	0.00114	1	09/04/2017 20:34	WG1016266
Carbon disulfide	U		0.000252	0.00114	1	09/04/2017 20:34	WG1016266
Carbon tetrachloride	U		0.000374	0.00114	1	09/04/2017 20:34	WG1016266
Chlorobenzene	U		0.000242	0.00114	1	09/04/2017 20:34	WG1016266
Chlorodibromomethane	U		0.000425	0.00114	1	09/04/2017 20:34	WG1016266
Chloroethane	U		0.00108	0.00570	1	09/04/2017 20:34	WG1016266
Chloroform	U		0.000261	0.00570	1	09/04/2017 20:34	WG1016266
Chloromethane	U		0.000428	0.00285	1	09/04/2017 20:34	WG1016266
2-Chlorotoluene	U		0.000343	0.00114	1	09/04/2017 20:34	WG1016266
4-Chlorotoluene	U		0.000274	0.00114	1	09/04/2017 20:34	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	09/04/2017 20:34	WG1016266
1,2-Dibromoethane	U		0.000391	0.00114	1	09/04/2017 20:34	WG1016266
Dibromomethane	U		0.000436	0.00114	1	09/04/2017 20:34	WG1016266
1,2-Dichlorobenzene	U		0.000348	0.00114	1	09/04/2017 20:34	WG1016266
1,3-Dichlorobenzene	U		0.000273	0.00114	1	09/04/2017 20:34	WG1016266
1,4-Dichlorobenzene	U		0.000258	0.00114	1	09/04/2017 20:34	WG1016266
Dichlorodifluoromethane	U		0.000813	0.00570	1	09/04/2017 20:34	WG1016266
1,1-Dichloroethane	U		0.000227	0.00114	1	09/04/2017 20:34	WG1016266
1,2-Dichloroethane	U		0.000302	0.00114	1	09/04/2017 20:34	WG1016266
1,1-Dichloroethene	U		0.000346	0.00114	1	09/04/2017 20:34	WG1016266
cis-1,2-Dichloroethene	U		0.000268	0.00114	1	09/04/2017 20:34	WG1016266
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	09/04/2017 20:34	WG1016266
1,2-Dichloropropane	U		0.000408	0.00114	1	09/04/2017 20:34	WG1016266
1,1-Dichloropropene	U		0.000361	0.00114	1	09/04/2017 20:34	WG1016266
1,3-Dichloropropane	U		0.000236	0.00114	1	09/04/2017 20:34	WG1016266
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	09/04/2017 20:34	WG1016266
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/04/2017 20:34	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000887	0.00285	1	09/04/2017 20:34	WG1016266
2,2-Dichloropropane	U		0.000318	0.00114	1	09/04/2017 20:34	WG1016266
Di-isopropyl ether	U		0.000283	0.00114	1	09/04/2017 20:34	WG1016266
Ethylbenzene	U		0.000339	0.00114	1	09/04/2017 20:34	WG1016266
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/04/2017 20:34	WG1016266
2-Hexanone	U		0.00156	0.0114	1	09/04/2017 20:34	WG1016266
n-Hexane	U		0.000331	0.0114	1	09/04/2017 20:34	WG1016266
Iodomethane	U		0.00289	0.0114	1	09/04/2017 20:34	WG1016266
Isopropylbenzene	U		0.000277	0.00114	1	09/04/2017 20:34	WG1016266
p-Isopropyltoluene	U		0.000233	0.00114	1	09/04/2017 20:34	WG1016266
2-Butanone (MEK)	U		0.00534	0.0114	1	09/04/2017 20:34	WG1016266
Methylene Chloride	U		0.00114	0.00570	1	09/04/2017 20:34	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/04/2017 20:34	WG1016266

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

Analyte	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	09/04/2017 20:34	WG1016266
Naphthalene	U		0.00114	0.00570	1	09/04/2017 20:34	WG1016266
n-Propylbenzene	U		0.000235	0.00114	1	09/04/2017 20:34	WG1016266
Styrene	U		0.000267	0.00114	1	09/04/2017 20:34	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/04/2017 20:34	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/04/2017 20:34	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/04/2017 20:34	WG1016266
Tetrachloroethene	U		0.000315	0.00114	1	09/04/2017 20:34	WG1016266
Toluene	U		0.000495	0.00570	1	09/04/2017 20:34	WG1016266
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/04/2017 20:34	WG1016266
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	09/04/2017 20:34	WG1016266
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/04/2017 20:34	WG1016266
1,1,2-Trichloroethane	U		0.000316	0.00114	1	09/04/2017 20:34	WG1016266
Trichloroethene	U		0.000318	0.00114	1	09/04/2017 20:34	WG1016266
Trichlorofluoromethane	U		0.000436	0.00570	1	09/04/2017 20:34	WG1016266
1,2,3-Trichloropropane	U		0.000845	0.00285	1	09/04/2017 20:34	WG1016266
1,2,4-Trimethylbenzene	U		0.000241	0.00114	1	09/04/2017 20:34	WG1016266
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/04/2017 20:34	WG1016266
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/04/2017 20:34	WG1016266
Vinyl acetate	U		0.00273	0.0114	1	09/04/2017 20:34	WG1016266
Vinyl chloride	U		0.000332	0.00114	1	09/04/2017 20:34	WG1016266
Xylenes, Total	U		0.000796	0.00342	1	09/04/2017 20:34	WG1016266
(S) Toluene-d8	*101*			*80.0-120*		*09/04/2017 20:34*	WG1016266
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*09/04/2017 20:34*	WG1016266
(S) 4-Bromofluorobenzene	*82.9*			*64.0-132*		*09/04/2017 20:34*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	09/07/2017 13:21	WG1017613

Volatile Organic Compounds (GC/MS) 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	09/04/2017 20:54	WG1016266
Acrylonitrile	U		0.00194	0.0108	1	09/04/2017 20:54	WG1016266
Benzene	U		0.000293	0.00108	1	09/04/2017 20:54	WG1016266
Bromobenzene	U		0.000308	0.00108	1	09/04/2017 20:54	WG1016266
Bromodichloromethane	U		0.000275	0.00108	1	09/04/2017 20:54	WG1016266
Bromochloromethane	U		0.000423	0.00542	1	09/04/2017 20:54	WG1016266
Bromoform	U		0.000460	0.00108	1	09/04/2017 20:54	WG1016266
Bromomethane	U		0.00145	0.00542	1	09/04/2017 20:54	WG1016266
n-Butylbenzene	U		0.000280	0.00108	1	09/04/2017 20:54	WG1016266
sec-Butylbenzene	U		0.000218	0.00108	1	09/04/2017 20:54	WG1016266
tert-Butylbenzene	U		0.000223	0.00108	1	09/04/2017 20:54	WG1016266
Carbon disulfide	0.000278 J	J	0.000240	0.00108	1	09/04/2017 20:54	WG1016266
Carbon tetrachloride	U		0.000356	0.00108	1	09/04/2017 20:54	WG1016266
Chlorobenzene	U		0.000230	0.00108	1	09/04/2017 20:54	WG1016266
Chlorodibromomethane	U		0.000405	0.00108	1	09/04/2017 20:54	WG1016266
Chloroethane	U		0.00103	0.00542	1	09/04/2017 20:54	WG1016266
Chloroform	U		0.000248	0.00542	1	09/04/2017 20:54	WG1016266
Chloromethane	U		0.000407	0.00271	1	09/04/2017 20:54	WG1016266
2-Chlorotoluene	U		0.000326	0.00108	1	09/04/2017 20:54	WG1016266
4-Chlorotoluene	U		0.000260	0.00108	1	09/04/2017 20:54	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	09/04/2017 20:54	WG1016266
1,2-Dibromoethane	U		0.000372	0.00108	1	09/04/2017 20:54	WG1016266
Dibromomethane	U		0.000414	0.00108	1	09/04/2017 20:54	WG1016266
1,2-Dichlorobenzene	U		0.000331	0.00108	1	09/04/2017 20:54	WG1016266
1,3-Dichlorobenzene	U		0.000259	0.00108	1	09/04/2017 20:54	WG1016266
1,4-Dichlorobenzene	U		0.000245	0.00108	1	09/04/2017 20:54	WG1016266
Dichlorodifluoromethane	U		0.000773	0.00542	1	09/04/2017 20:54	WG1016266
1,1-Dichloroethane	U		0.000216	0.00108	1	09/04/2017 20:54	WG1016266
1,2-Dichloroethane	U		0.000287	0.00108	1	09/04/2017 20:54	WG1016266
1,1-Dichloroethene	U		0.000329	0.00108	1	09/04/2017 20:54	WG1016266
cis-1,2-Dichloroethene	0.00199		0.000255	0.00108	1	09/04/2017 20:54	WG1016266
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	09/04/2017 20:54	WG1016266
1,2-Dichloropropane	U		0.000388	0.00108	1	09/04/2017 20:54	WG1016266
1,1-Dichloropropene	U		0.000344	0.00108	1	09/04/2017 20:54	WG1016266
1,3-Dichloropropane	U		0.000224	0.00108	1	09/04/2017 20:54	WG1016266
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	09/04/2017 20:54	WG1016266
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	09/04/2017 20:54	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000844	0.00271	1	09/04/2017 20:54	WG1016266
2,2-Dichloropropane	U		0.000303	0.00108	1	09/04/2017 20:54	WG1016266
Di-isopropyl ether	U		0.000269	0.00108	1	09/04/2017 20:54	WG1016266
Ethylbenzene	U		0.000322	0.00108	1	09/04/2017 20:54	WG1016266
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	09/04/2017 20:54	WG1016266
2-Hexanone	U		0.00149	0.0108	1	09/04/2017 20:54	WG1016266
n-Hexane	0.000406 J	J	0.000314	0.0108	1	09/04/2017 20:54	WG1016266
Iodomethane	U		0.00274	0.0108	1	09/04/2017 20:54	WG1016266
Isopropylbenzene	U		0.000264	0.00108	1	09/04/2017 20:54	WG1016266
p-Isopropyltoluene	U		0.000221	0.00108	1	09/04/2017 20:54	WG1016266
2-Butanone (MEK)	U		0.00508	0.0108	1	09/04/2017 20:54	WG1016266
Methylene Chloride	U		0.00108	0.00542	1	09/04/2017 20:54	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	09/04/2017 20:54	WG1016266

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

Analyte	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	09/04/2017 20:54	WG1016266
Naphthalene	U		0.00108	0.00542	1	09/04/2017 20:54	WG1016266
n-Propylbenzene	U		0.000223	0.00108	1	09/04/2017 20:54	WG1016266
Styrene	U		0.000254	0.00108	1	09/04/2017 20:54	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/04/2017 20:54	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	09/04/2017 20:54	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	09/04/2017 20:54	WG1016266
Tetrachloroethene	0.147		0.000299	0.00108	1	09/04/2017 20:54	WG1016266
Toluene	U		0.000471	0.00542	1	09/04/2017 20:54	WG1016266
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	09/04/2017 20:54	WG1016266
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	09/04/2017 20:54	WG1016266
1,1,1-Trichloroethane	U		0.000310	0.00108	1	09/04/2017 20:54	WG1016266
1,1,2-Trichloroethane	U		0.000300	0.00108	1	09/04/2017 20:54	WG1016266
Trichloroethene	0.0107		0.000303	0.00108	1	09/04/2017 20:54	WG1016266
Trichlorofluoromethane	U		0.000414	0.00542	1	09/04/2017 20:54	WG1016266
1,2,3-Trichloropropane	U		0.000804	0.00271	1	09/04/2017 20:54	WG1016266
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	09/04/2017 20:54	WG1016266
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	09/04/2017 20:54	WG1016266
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/04/2017 20:54	WG1016266
Vinyl acetate	U		0.00259	0.0108	1	09/04/2017 20:54	WG1016266
Vinyl chloride	U		0.000316	0.00108	1	09/04/2017 20:54	WG1016266
Xylenes, Total	U		0.000757	0.00325	1	09/04/2017 20:54	WG1016266
(S) Toluene-d8	*101*			*80.0-120*		*09/04/2017 20:54*	WG1016266
(S) Dibromofluoromethane	*91.8*			*74.0-131*		*09/04/2017 20:54*	WG1016266
(S) 4-Bromofluorobenzene	*88.1*			*64.0-132*		*09/04/2017 20:54*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	09/07/2017 13:21	WG1017613

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.291	1.46	25	09/04/2017 21:15	WG1016266
Acrylonitrile	U		0.0522	0.291	25	09/04/2017 21:15	WG1016266
Benzene	U		0.00786	0.0291	25	09/04/2017 21:15	WG1016266
Bromobenzene	U		0.00827	0.0291	25	09/04/2017 21:15	WG1016266
Bromodichloromethane	U		0.00740	0.0291	25	09/04/2017 21:15	WG1016266
Bromochloromethane	U		0.0114	0.146	25	09/04/2017 21:15	WG1016266
Bromoform	U		0.0124	0.0291	25	09/04/2017 21:15	WG1016266
Bromomethane	U		0.0390	0.146	25	09/04/2017 21:15	WG1016266
n-Butylbenzene	U		0.00752	0.0291	25	09/04/2017 21:15	WG1016266
sec-Butylbenzene	U		0.00585	0.0291	25	09/04/2017 21:15	WG1016266
tert-Butylbenzene	U		0.00600	0.0291	25	09/04/2017 21:15	WG1016266
Carbon disulfide	U		0.00643	0.0291	25	09/04/2017 21:15	WG1016266
Carbon tetrachloride	U		0.00955	0.0291	25	09/04/2017 21:15	WG1016266
Chlorobenzene	U		0.00618	0.0291	25	09/04/2017 21:15	WG1016266
Chlorodibromomethane	U		0.0109	0.0291	25	09/04/2017 21:15	WG1016266
Chloroethane	U		0.0275	0.146	25	09/04/2017 21:15	WG1016266
Chloroform	U		0.00666	0.146	25	09/04/2017 21:15	WG1016266
Chloromethane	U		0.0109	0.0728	25	09/04/2017 21:15	WG1016266
2-Chlorotoluene	U		0.00876	0.0291	25	09/04/2017 21:15	WG1016266
4-Chlorotoluene	U		0.00699	0.0291	25	09/04/2017 21:15	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.0305	0.146	25	09/04/2017 21:15	WG1016266
1,2-Dibromoethane	U		0.0100	0.0291	25	09/04/2017 21:15	WG1016266
Dibromomethane	U		0.0111	0.0291	25	09/04/2017 21:15	WG1016266
1,2-Dichlorobenzene	U		0.00888	0.0291	25	09/04/2017 21:15	WG1016266
1,3-Dichlorobenzene	U		0.00697	0.0291	25	09/04/2017 21:15	WG1016266
1,4-Dichlorobenzene	U		0.00658	0.0291	25	09/04/2017 21:15	WG1016266
Dichlorodifluoromethane	U		0.0207	0.146	25	09/04/2017 21:15	WG1016266
1,1-Dichloroethane	U		0.00580	0.0291	25	09/04/2017 21:15	WG1016266
1,2-Dichloroethane	U		0.00771	0.0291	25	09/04/2017 21:15	WG1016266
1,1-Dichloroethene	U		0.00883	0.0291	25	09/04/2017 21:15	WG1016266
cis-1,2-Dichloroethene	0.387		0.00685	0.0291	25	09/04/2017 21:15	WG1016266
trans-1,2-Dichloroethene	U		0.00769	0.0291	25	09/04/2017 21:15	WG1016266
1,2-Dichloropropane	U		0.0104	0.0291	25	09/04/2017 21:15	WG1016266
1,1-Dichloropropene	U		0.00923	0.0291	25	09/04/2017 21:15	WG1016266
1,3-Dichloropropane	U		0.00604	0.0291	25	09/04/2017 21:15	WG1016266
cis-1,3-Dichloropropene	U		0.00763	0.0291	25	09/04/2017 21:15	WG1016266
trans-1,3-Dichloropropene	U		0.00778	0.0291	25	09/04/2017 21:15	WG1016266
trans-1,4-Dichloro-2-butene	U		0.0226	0.0728	25	09/04/2017 21:15	WG1016266
2,2-Dichloropropane	U		0.00813	0.0291	25	09/04/2017 21:15	WG1016266
Di-isopropyl ether	U		0.00722	0.0291	25	09/04/2017 21:15	WG1016266
Ethylbenzene	U		0.00865	0.0291	25	09/04/2017 21:15	WG1016266
Hexachloro-1,3-butadiene	U		0.00996	0.0291	25	09/04/2017 21:15	WG1016266
2-Hexanone	U		0.0398	0.291	25	09/04/2017 21:15	WG1016266
n-Hexane	U		0.00845	0.291	25	09/04/2017 21:15	WG1016266
Iodomethane	U		0.0736	0.291	25	09/04/2017 21:15	WG1016266
Isopropylbenzene	U		0.00708	0.0291	25	09/04/2017 21:15	WG1016266
p-Isopropyltoluene	U		0.00594	0.0291	25	09/04/2017 21:15	WG1016266
2-Butanone (MEK)	U		0.136	0.291	25	09/04/2017 21:15	WG1016266
Methylene Chloride	U		0.0291	0.146	25	09/04/2017 21:15	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.0548	0.291	25	09/04/2017 21:15	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00618	0.0291	25	09/04/2017 21:15	WG1016266
Naphthalene	U		0.0291	0.146	25	09/04/2017 21:15	WG1016266
n-Propylbenzene	U		0.00600	0.0291	25	09/04/2017 21:15	WG1016266
Styrene	U		0.00682	0.0291	25	09/04/2017 21:15	WG1016266
1,1,1,2-Tetrachloroethane	U		0.00769	0.0291	25	09/04/2017 21:15	WG1016266
1,1,2,2-Tetrachloroethane	U		0.0106	0.0291	25	09/04/2017 21:15	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.0106	0.0291	25	09/04/2017 21:15	WG1016266
Tetrachloroethene	15.1		0.0643	0.233	200	09/07/2017 15:40	WG1016266
Toluene	U		0.0126	0.146	25	09/04/2017 21:15	WG1016266
1,2,3-Trichlorobenzene	U		0.00891	0.0291	25	09/04/2017 21:15	WG1016266
1,2,4-Trichlorobenzene	U		0.0113	0.0291	25	09/04/2017 21:15	WG1016266
1,1,1-Trichloroethane	U		0.00833	0.0291	25	09/04/2017 21:15	WG1016266
1,1,2-Trichloroethane	U		0.00806	0.0291	25	09/04/2017 21:15	WG1016266
Trichloroethene	0.629		0.00813	0.0291	25	09/04/2017 21:15	WG1016266
Trichlorofluoromethane	U		0.0111	0.146	25	09/04/2017 21:15	WG1016266
1,2,3-Trichloropropane	U		0.0216	0.0728	25	09/04/2017 21:15	WG1016266
1,2,4-Trimethylbenzene	U		0.00615	0.0291	25	09/04/2017 21:15	WG1016266
1,2,3-Trimethylbenzene	U		0.00837	0.0291	25	09/04/2017 21:15	WG1016266
1,3,5-Trimethylbenzene	U		0.00775	0.0291	25	09/04/2017 21:15	WG1016266
Vinyl acetate	U		0.0697	0.291	25	09/04/2017 21:15	WG1016266
Vinyl chloride	0.0107 J	J	0.00848	0.0291	25	09/04/2017 21:15	WG1016266
Xylenes, Total	U		0.0203	0.0874	25	09/04/2017 21:15	WG1016266
(S) Toluene-d8	*105*			*80.0-120*		*09/04/2017 21:15*	WG1016266
(S) Toluene-d8	*102*			*80.0-120*		*09/07/2017 15:40*	WG1016266
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/07/2017 15:40*	WG1016266
(S) Dibromofluoromethane	*86.9*			*74.0-131*		*09/04/2017 21:15*	WG1016266
(S) 4-Bromofluorobenzene	*99.8*			*64.0-132*		*09/07/2017 15:40*	WG1016266
(S) 4-Bromofluorobenzene	*86.6*			*64.0-132*		*09/04/2017 21:15*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	09/07/2017 13:21	WG1017613

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		0.0359	0.106	1	09/03/2017 20:32	WG1016318
(S) a,a,a-Trifluorotoluene(FID)	*94.2*			*77.0-120*		*09/03/2017 20:32*	WG1016318

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0106	0.0529	1	09/04/2017 21:35	WG1016266
Acrylonitrile	U		0.00190	0.0106	1	09/04/2017 21:35	WG1016266
Benzene	U		0.000286	0.00106	1	09/04/2017 21:35	WG1016266
Bromobenzene	U		0.000301	0.00106	1	09/04/2017 21:35	WG1016266
Bromodichloromethane	U		0.000269	0.00106	1	09/04/2017 21:35	WG1016266
Bromochloromethane	U		0.000413	0.00529	1	09/04/2017 21:35	WG1016266
Bromoform	U		0.000449	0.00106	1	09/04/2017 21:35	WG1016266
Bromomethane	U		0.00142	0.00529	1	09/04/2017 21:35	WG1016266
n-Butylbenzene	U		0.000273	0.00106	1	09/04/2017 21:35	WG1016266
sec-Butylbenzene	U		0.000213	0.00106	1	09/04/2017 21:35	WG1016266
tert-Butylbenzene	U		0.000218	0.00106	1	09/04/2017 21:35	WG1016266
Carbon disulfide	0.00148		0.000234	0.00106	1	09/04/2017 21:35	WG1016266
Carbon tetrachloride	U		0.000347	0.00106	1	09/04/2017 21:35	WG1016266
Chlorobenzene	U		0.000224	0.00106	1	09/04/2017 21:35	WG1016266
Chlorodibromomethane	U		0.000395	0.00106	1	09/04/2017 21:35	WG1016266
Chloroethane	U		0.00100	0.00529	1	09/04/2017 21:35	WG1016266
Chloroform	U		0.000242	0.00529	1	09/04/2017 21:35	WG1016266
Chloromethane	U		0.000397	0.00265	1	09/04/2017 21:35	WG1016266
2-Chlorotoluene	U		0.000319	0.00106	1	09/04/2017 21:35	WG1016266
4-Chlorotoluene	U		0.000254	0.00106	1	09/04/2017 21:35	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00529	1	09/04/2017 21:35	WG1016266
1,2-Dibromoethane	U		0.000363	0.00106	1	09/04/2017 21:35	WG1016266
Dibromomethane	U		0.000405	0.00106	1	09/04/2017 21:35	WG1016266
1,2-Dichlorobenzene	U		0.000323	0.00106	1	09/04/2017 21:35	WG1016266
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/04/2017 21:35	WG1016266
1,4-Dichlorobenzene	U		0.000239	0.00106	1	09/04/2017 21:35	WG1016266
Dichlorodifluoromethane	U		0.000755	0.00529	1	09/04/2017 21:35	WG1016266
1,1-Dichloroethane	U		0.000211	0.00106	1	09/04/2017 21:35	WG1016266
1,2-Dichloroethane	U		0.000281	0.00106	1	09/04/2017 21:35	WG1016266
1,1-Dichloroethene	U		0.000321	0.00106	1	09/04/2017 21:35	WG1016266
cis-1,2-Dichloroethene	0.00390		0.000249	0.00106	1	09/04/2017 21:35	WG1016266
trans-1,2-Dichloroethene	U		0.000280	0.00106	1	09/04/2017 21:35	WG1016266
1,2-Dichloropropane	U		0.000379	0.00106	1	09/04/2017 21:35	WG1016266
1,1-Dichloropropene	U		0.000336	0.00106	1	09/04/2017 21:35	WG1016266
1,3-Dichloropropane	U		0.000219	0.00106	1	09/04/2017 21:35	WG1016266
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	09/04/2017 21:35	WG1016266
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	09/04/2017 21:35	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000824	0.00265	1	09/04/2017 21:35	WG1016266
2,2-Dichloropropane	U		0.000295	0.00106	1	09/04/2017 21:35	WG1016266
Di-isopropyl ether	U		0.000263	0.00106	1	09/04/2017 21:35	WG1016266
Ethylbenzene	U		0.000314	0.00106	1	09/04/2017 21:35	WG1016266
Hexachloro-1,3-butadiene	U		0.000362	0.00106	1	09/04/2017 21:35	WG1016266
2-Hexanone	U		0.00145	0.0106	1	09/04/2017 21:35	WG1016266
n-Hexane	0.00583	J	0.000307	0.0106	1	09/04/2017 21:35	WG1016266

Volatile Organic Compounds (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		0.00268	0.0106	1	09/04/2017 21:35	WG1016266
Isopropylbenzene	U		0.000257	0.00106	1	09/04/2017 21:35	WG1016266
p-Isopropyltoluene	U		0.000216	0.00106	1	09/04/2017 21:35	WG1016266
2-Butanone (MEK)	U		0.00496	0.0106	1	09/04/2017 21:35	WG1016266
Methylene Chloride	U		0.00106	0.00529	1	09/04/2017 21:35	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/04/2017 21:35	WG1016266
Methyl tert-butyl ether	U		0.000224	0.00106	1	09/04/2017 21:35	WG1016266
Naphthalene	U		0.00106	0.00529	1	09/04/2017 21:35	WG1016266
n-Propylbenzene	U		0.000218	0.00106	1	09/04/2017 21:35	WG1016266
Styrene	U		0.000248	0.00106	1	09/04/2017 21:35	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	09/04/2017 21:35	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	09/04/2017 21:35	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	09/04/2017 21:35	WG1016266
Tetrachloroethene	0.0296		0.000292	0.00106	1	09/04/2017 21:35	WG1016266
Toluene	U		0.000460	0.00529	1	09/04/2017 21:35	WG1016266
1,2,3-Trichlorobenzene	U		0.000324	0.00106	1	09/04/2017 21:35	WG1016266
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	09/04/2017 21:35	WG1016266
1,1,1-Trichloroethane	U		0.000303	0.00106	1	09/04/2017 21:35	WG1016266
1,1,2-Trichloroethane	U		0.000293	0.00106	1	09/04/2017 21:35	WG1016266
Trichloroethene	0.00582		0.000295	0.00106	1	09/04/2017 21:35	WG1016266
Trichlorofluoromethane	U		0.000405	0.00529	1	09/04/2017 21:35	WG1016266
1,2,3-Trichloropropane	U		0.000785	0.00265	1	09/04/2017 21:35	WG1016266
1,2,4-Trimethylbenzene	U		0.000223	0.00106	1	09/04/2017 21:35	WG1016266
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	09/04/2017 21:35	WG1016266
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	09/04/2017 21:35	WG1016266
Vinyl acetate	U		0.00253	0.0106	1	09/04/2017 21:35	WG1016266
Vinyl chloride	0.000378 J	J	0.000308	0.00106	1	09/04/2017 21:35	WG1016266
Xylenes, Total	U		0.000739	0.00318	1	09/04/2017 21:35	WG1016266
(S) Toluene-d8	*104*			*80.0-120*		*09/04/2017 21:35*	WG1016266
(S) Dibromofluoromethane	*92.3*			*74.0-131*		*09/04/2017 21:35*	WG1016266
(S) 4-Bromofluorobenzene	*87.1*			*64.0-132*		*09/04/2017 21:35*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	09/07/2017 13:21	WG1017613

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0535	1	09/04/2017 21:56	WG1016266
Acrylonitrile	U		0.00192	0.0107	1	09/04/2017 21:56	WG1016266
Benzene	U		0.000289	0.00107	1	09/04/2017 21:56	WG1016266
Bromobenzene	U		0.000304	0.00107	1	09/04/2017 21:56	WG1016266
Bromodichloromethane	U		0.000272	0.00107	1	09/04/2017 21:56	WG1016266
Bromochloromethane	U		0.000418	0.00535	1	09/04/2017 21:56	WG1016266
Bromoform	U		0.000454	0.00107	1	09/04/2017 21:56	WG1016266
Bromomethane	U		0.00144	0.00535	1	09/04/2017 21:56	WG1016266
n-Butylbenzene	U		0.000276	0.00107	1	09/04/2017 21:56	WG1016266
sec-Butylbenzene	U		0.000215	0.00107	1	09/04/2017 21:56	WG1016266
tert-Butylbenzene	U		0.000221	0.00107	1	09/04/2017 21:56	WG1016266
Carbon disulfide	0.00121		0.000237	0.00107	1	09/04/2017 21:56	WG1016266
Carbon tetrachloride	U		0.000351	0.00107	1	09/04/2017 21:56	WG1016266
Chlorobenzene	U		0.000227	0.00107	1	09/04/2017 21:56	WG1016266
Chlorodibromomethane	U		0.000399	0.00107	1	09/04/2017 21:56	WG1016266
Chloroethane	U		0.00101	0.00535	1	09/04/2017 21:56	WG1016266
Chloroform	U		0.000245	0.00535	1	09/04/2017 21:56	WG1016266
Chloromethane	U		0.000402	0.00268	1	09/04/2017 21:56	WG1016266
2-Chlorotoluene	U		0.000322	0.00107	1	09/04/2017 21:56	WG1016266
4-Chlorotoluene	U		0.000257	0.00107	1	09/04/2017 21:56	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/04/2017 21:56	WG1016266
1,2-Dibromoethane	U		0.000367	0.00107	1	09/04/2017 21:56	WG1016266
Dibromomethane	U		0.000409	0.00107	1	09/04/2017 21:56	WG1016266
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/04/2017 21:56	WG1016266
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/04/2017 21:56	WG1016266
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/04/2017 21:56	WG1016266
Dichlorodifluoromethane	U		0.000764	0.00535	1	09/04/2017 21:56	WG1016266
1,1-Dichloroethane	U		0.000213	0.00107	1	09/04/2017 21:56	WG1016266
1,2-Dichloroethane	U		0.000284	0.00107	1	09/04/2017 21:56	WG1016266
1,1-Dichloroethene	U		0.000324	0.00107	1	09/04/2017 21:56	WG1016266
cis-1,2-Dichloroethene	0.000585	J J	0.000252	0.00107	1	09/04/2017 21:56	WG1016266
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/04/2017 21:56	WG1016266
1,2-Dichloropropane	U		0.000383	0.00107	1	09/04/2017 21:56	WG1016266
1,1-Dichloropropene	U		0.000339	0.00107	1	09/04/2017 21:56	WG1016266
1,3-Dichloropropane	U		0.000222	0.00107	1	09/04/2017 21:56	WG1016266
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/04/2017 21:56	WG1016266
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/04/2017 21:56	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000833	0.00268	1	09/04/2017 21:56	WG1016266
2,2-Dichloropropane	U		0.000299	0.00107	1	09/04/2017 21:56	WG1016266
Di-isopropyl ether	U		0.000266	0.00107	1	09/04/2017 21:56	WG1016266
Ethylbenzene	U		0.000318	0.00107	1	09/04/2017 21:56	WG1016266
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	09/04/2017 21:56	WG1016266
2-Hexanone	U		0.00147	0.0107	1	09/04/2017 21:56	WG1016266
n-Hexane	0.00452	J J	0.000311	0.0107	1	09/04/2017 21:56	WG1016266
Iodomethane	U		0.00271	0.0107	1	09/04/2017 21:56	WG1016266
Isopropylbenzene	U		0.000260	0.00107	1	09/04/2017 21:56	WG1016266
p-Isopropyltoluene	U		0.000218	0.00107	1	09/04/2017 21:56	WG1016266
2-Butanone (MEK)	U		0.00501	0.0107	1	09/04/2017 21:56	WG1016266
Methylene Chloride	U		0.00107	0.00535	1	09/04/2017 21:56	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/04/2017 21:56	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/04/2017 21:56	WG1016266
Naphthalene	U		0.00107	0.00535	1	09/04/2017 21:56	WG1016266
n-Propylbenzene	U		0.000221	0.00107	1	09/04/2017 21:56	WG1016266
Styrene	U		0.000251	0.00107	1	09/04/2017 21:56	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/04/2017 21:56	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/04/2017 21:56	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/04/2017 21:56	WG1016266
Tetrachloroethene	0.00308	J	0.000296	0.00107	1	09/04/2017 21:56	WG1016266
Toluene	U		0.000465	0.00535	1	09/04/2017 21:56	WG1016266
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/04/2017 21:56	WG1016266
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	09/04/2017 21:56	WG1016266
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/04/2017 21:56	WG1016266
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/04/2017 21:56	WG1016266
Trichloroethene	0.000399	J J	0.000299	0.00107	1	09/04/2017 21:56	WG1016266
Trichlorofluoromethane	U		0.000409	0.00535	1	09/04/2017 21:56	WG1016266
1,2,3-Trichloropropane	U		0.000794	0.00268	1	09/04/2017 21:56	WG1016266
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/04/2017 21:56	WG1016266
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/04/2017 21:56	WG1016266
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/04/2017 21:56	WG1016266
Vinyl acetate	U		0.00256	0.0107	1	09/04/2017 21:56	WG1016266
Vinyl chloride	U		0.000312	0.00107	1	09/04/2017 21:56	WG1016266
Xylenes, Total	U		0.000748	0.00321	1	09/04/2017 21:56	WG1016266
(S) Toluene-d8	*102*			*80.0-120*		*09/04/2017 21:56*	WG1016266
(S) Dibromofluoromethane	*93.2*			*74.0-131*		*09/04/2017 21:56*	WG1016266
(S) 4-Bromofluorobenzene	*87.6*			*64.0-132*		*09/04/2017 21:56*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	09/07/2017 11:37	WG1017615

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0536	1	09/04/2017 22:17	WG1016266
Acrylonitrile	U		0.00192	0.0107	1	09/04/2017 22:17	WG1016266
Benzene	U		0.000290	0.00107	1	09/04/2017 22:17	WG1016266
Bromobenzene	U		0.000305	0.00107	1	09/04/2017 22:17	WG1016266
Bromodichloromethane	U		0.000272	0.00107	1	09/04/2017 22:17	WG1016266
Bromochloromethane	U		0.000418	0.00536	1	09/04/2017 22:17	WG1016266
Bromoform	U		0.000455	0.00107	1	09/04/2017 22:17	WG1016266
Bromomethane	U		0.00144	0.00536	1	09/04/2017 22:17	WG1016266
n-Butylbenzene	U		0.000277	0.00107	1	09/04/2017 22:17	WG1016266
sec-Butylbenzene	U		0.000216	0.00107	1	09/04/2017 22:17	WG1016266
tert-Butylbenzene	U		0.000221	0.00107	1	09/04/2017 22:17	WG1016266
Carbon disulfide	0.000877	J J	0.000237	0.00107	1	09/04/2017 22:17	WG1016266
Carbon tetrachloride	U		0.000352	0.00107	1	09/04/2017 22:17	WG1016266
Chlorobenzene	U		0.000227	0.00107	1	09/04/2017 22:17	WG1016266
Chlorodibromomethane	U		0.000400	0.00107	1	09/04/2017 22:17	WG1016266
Chloroethane	U		0.00101	0.00536	1	09/04/2017 22:17	WG1016266
Chloroform	U		0.000246	0.00536	1	09/04/2017 22:17	WG1016266
Chloromethane	U		0.000402	0.00268	1	09/04/2017 22:17	WG1016266
2-Chlorotoluene	U		0.000323	0.00107	1	09/04/2017 22:17	WG1016266
4-Chlorotoluene	U		0.000257	0.00107	1	09/04/2017 22:17	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00536	1	09/04/2017 22:17	WG1016266
1,2-Dibromoethane	U		0.000368	0.00107	1	09/04/2017 22:17	WG1016266
Dibromomethane	U		0.000410	0.00107	1	09/04/2017 22:17	WG1016266
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/04/2017 22:17	WG1016266
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/04/2017 22:17	WG1016266
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/04/2017 22:17	WG1016266
Dichlorodifluoromethane	U		0.000765	0.00536	1	09/04/2017 22:17	WG1016266
1,1-Dichloroethane	U		0.000213	0.00107	1	09/04/2017 22:17	WG1016266
1,2-Dichloroethane	U		0.000284	0.00107	1	09/04/2017 22:17	WG1016266
1,1-Dichloroethene	U		0.000325	0.00107	1	09/04/2017 22:17	WG1016266
cis-1,2-Dichloroethene	0.00170		0.000252	0.00107	1	09/04/2017 22:17	WG1016266
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/04/2017 22:17	WG1016266
1,2-Dichloropropane	U		0.000384	0.00107	1	09/04/2017 22:17	WG1016266
1,1-Dichloropropene	U		0.000340	0.00107	1	09/04/2017 22:17	WG1016266
1,3-Dichloropropane	U		0.000222	0.00107	1	09/04/2017 22:17	WG1016266
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/04/2017 22:17	WG1016266
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/04/2017 22:17	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000835	0.00268	1	09/04/2017 22:17	WG1016266
2,2-Dichloropropane	U		0.000299	0.00107	1	09/04/2017 22:17	WG1016266
Di-isopropyl ether	U		0.000266	0.00107	1	09/04/2017 22:17	WG1016266
Ethylbenzene	U		0.000319	0.00107	1	09/04/2017 22:17	WG1016266
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	09/04/2017 22:17	WG1016266
2-Hexanone	U		0.00147	0.0107	1	09/04/2017 22:17	WG1016266
n-Hexane	0.00551	J J	0.000311	0.0107	1	09/04/2017 22:17	WG1016266
Iodomethane	U		0.00271	0.0107	1	09/04/2017 22:17	WG1016266
Isopropylbenzene	U		0.000261	0.00107	1	09/04/2017 22:17	WG1016266
p-Isopropyltoluene	U		0.000219	0.00107	1	09/04/2017 22:17	WG1016266
2-Butanone (MEK)	U		0.00502	0.0107	1	09/04/2017 22:17	WG1016266
Methylene Chloride	U		0.00107	0.00536	1	09/04/2017 22:17	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/04/2017 22:17	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/04/2017 22:17	WG1016266
Naphthalene	U		0.00107	0.00536	1	09/04/2017 22:17	WG1016266
n-Propylbenzene	U		0.000221	0.00107	1	09/04/2017 22:17	WG1016266
Styrene	U		0.000251	0.00107	1	09/04/2017 22:17	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/04/2017 22:17	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	09/04/2017 22:17	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	09/04/2017 22:17	WG1016266
Tetrachloroethene	0.00954	J	0.000296	0.00107	1	09/04/2017 22:17	WG1016266
Toluene	U		0.000466	0.00536	1	09/04/2017 22:17	WG1016266
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/04/2017 22:17	WG1016266
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	09/04/2017 22:17	WG1016266
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/04/2017 22:17	WG1016266
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/04/2017 22:17	WG1016266
Trichloroethene	0.00234		0.000299	0.00107	1	09/04/2017 22:17	WG1016266
Trichlorofluoromethane	U		0.000410	0.00536	1	09/04/2017 22:17	WG1016266
1,2,3-Trichloropropane	U		0.000795	0.00268	1	09/04/2017 22:17	WG1016266
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/04/2017 22:17	WG1016266
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	09/04/2017 22:17	WG1016266
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/04/2017 22:17	WG1016266
Vinyl acetate	U		0.00256	0.0107	1	09/04/2017 22:17	WG1016266
Vinyl chloride	U		0.000312	0.00107	1	09/04/2017 22:17	WG1016266
Xylenes, Total	U		0.000749	0.00322	1	09/04/2017 22:17	WG1016266
(S) Toluene-d8	*104*			*80.0-120*		*09/04/2017 22:17*	WG1016266
(S) Dibromofluoromethane	*91.9*			*74.0-131*		*09/04/2017 22:17*	WG1016266
(S) 4-Bromofluorobenzene	*86.8*			*64.0-132*		*09/04/2017 22:17*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	09/07/2017 11:37	WG1017615

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0534	1	09/04/2017 22:37	WG1016266
Acrylonitrile	U		0.00191	0.0107	1	09/04/2017 22:37	WG1016266
Benzene	U		0.000288	0.00107	1	09/04/2017 22:37	WG1016266
Bromobenzene	U		0.000303	0.00107	1	09/04/2017 22:37	WG1016266
Bromodichloromethane	U		0.000271	0.00107	1	09/04/2017 22:37	WG1016266
Bromochloromethane	U		0.000416	0.00534	1	09/04/2017 22:37	WG1016266
Bromoform	U		0.000452	0.00107	1	09/04/2017 22:37	WG1016266
Bromomethane	U		0.00143	0.00534	1	09/04/2017 22:37	WG1016266
n-Butylbenzene	U		0.000275	0.00107	1	09/04/2017 22:37	WG1016266
sec-Butylbenzene	U		0.000215	0.00107	1	09/04/2017 22:37	WG1016266
tert-Butylbenzene	U		0.000220	0.00107	1	09/04/2017 22:37	WG1016266
Carbon disulfide	0.000774 J	J	0.000236	0.00107	1	09/04/2017 22:37	WG1016266
Carbon tetrachloride	U		0.000350	0.00107	1	09/04/2017 22:37	WG1016266
Chlorobenzene	U		0.000226	0.00107	1	09/04/2017 22:37	WG1016266
Chlorodibromomethane	U		0.000398	0.00107	1	09/04/2017 22:37	WG1016266
Chloroethane	U		0.00101	0.00534	1	09/04/2017 22:37	WG1016266
Chloroform	U		0.000244	0.00534	1	09/04/2017 22:37	WG1016266
Chloromethane	U		0.000400	0.00267	1	09/04/2017 22:37	WG1016266
2-Chlorotoluene	U		0.000321	0.00107	1	09/04/2017 22:37	WG1016266
4-Chlorotoluene	U		0.000256	0.00107	1	09/04/2017 22:37	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00534	1	09/04/2017 22:37	WG1016266
1,2-Dibromoethane	U		0.000366	0.00107	1	09/04/2017 22:37	WG1016266
Dibromomethane	U		0.000408	0.00107	1	09/04/2017 22:37	WG1016266
1,2-Dichlorobenzene	U		0.000325	0.00107	1	09/04/2017 22:37	WG1016266
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/04/2017 22:37	WG1016266
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/04/2017 22:37	WG1016266
Dichlorodifluoromethane	U		0.000761	0.00534	1	09/04/2017 22:37	WG1016266
1,1-Dichloroethane	U		0.000212	0.00107	1	09/04/2017 22:37	WG1016266
1,2-Dichloroethane	U		0.000283	0.00107	1	09/04/2017 22:37	WG1016266
1,1-Dichloroethene	0.000324 J	J	0.000323	0.00107	1	09/04/2017 22:37	WG1016266
cis-1,2-Dichloroethene	0.0431		0.000251	0.00107	1	09/04/2017 22:37	WG1016266
trans-1,2-Dichloroethene	U		0.000282	0.00107	1	09/04/2017 22:37	WG1016266
1,2-Dichloropropane	U		0.000382	0.00107	1	09/04/2017 22:37	WG1016266
1,1-Dichloropropene	U		0.000338	0.00107	1	09/04/2017 22:37	WG1016266
1,3-Dichloropropane	U		0.000221	0.00107	1	09/04/2017 22:37	WG1016266
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/04/2017 22:37	WG1016266
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/04/2017 22:37	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000830	0.00267	1	09/04/2017 22:37	WG1016266
2,2-Dichloropropane	U		0.000298	0.00107	1	09/04/2017 22:37	WG1016266
Di-isopropyl ether	U		0.000265	0.00107	1	09/04/2017 22:37	WG1016266
Ethylbenzene	U		0.000317	0.00107	1	09/04/2017 22:37	WG1016266
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/04/2017 22:37	WG1016266
2-Hexanone	U		0.00146	0.0107	1	09/04/2017 22:37	WG1016266
n-Hexane	0.00107 J	J	0.000309	0.0107	1	09/04/2017 22:37	WG1016266
Iodomethane	U		0.00270	0.0107	1	09/04/2017 22:37	WG1016266
Isopropylbenzene	U		0.000259	0.00107	1	09/04/2017 22:37	WG1016266
p-Isopropyltoluene	U		0.000218	0.00107	1	09/04/2017 22:37	WG1016266
2-Butanone (MEK)	U		0.00499	0.0107	1	09/04/2017 22:37	WG1016266
Methylene Chloride	U		0.00107	0.00534	1	09/04/2017 22:37	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/04/2017 22:37	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00107	1	09/04/2017 22:37	WG1016266
Naphthalene	U		0.00107	0.00534	1	09/04/2017 22:37	WG1016266
n-Propylbenzene	U		0.000220	0.00107	1	09/04/2017 22:37	WG1016266
Styrene	U		0.000250	0.00107	1	09/04/2017 22:37	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	09/04/2017 22:37	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000390	0.00107	1	09/04/2017 22:37	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000390	0.00107	1	09/04/2017 22:37	WG1016266
Tetrachloroethene	4.27		0.0589	0.213	200	09/07/2017 20:25	WG1016266
Toluene	U		0.000463	0.00534	1	09/04/2017 22:37	WG1016266
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/04/2017 22:37	WG1016266
1,2,4-Trichlorobenzene	U		0.000414	0.00107	1	09/04/2017 22:37	WG1016266
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/04/2017 22:37	WG1016266
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/04/2017 22:37	WG1016266
Trichloroethene	0.0793		0.000298	0.00107	1	09/04/2017 22:37	WG1016266
Trichlorofluoromethane	U		0.000408	0.00534	1	09/04/2017 22:37	WG1016266
1,2,3-Trichloropropane	U		0.000791	0.00267	1	09/04/2017 22:37	WG1016266
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/04/2017 22:37	WG1016266
1,2,3-Trimethylbenzene	U		0.000306	0.00107	1	09/04/2017 22:37	WG1016266
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/04/2017 22:37	WG1016266
Vinyl acetate	U		0.00255	0.0107	1	09/04/2017 22:37	WG1016266
Vinyl chloride	0.00160		0.000311	0.00107	1	09/04/2017 22:37	WG1016266
Xylenes, Total	U		0.000745	0.00320	1	09/04/2017 22:37	WG1016266
(S) Toluene-d8	*104*			*80.0-120*		*09/07/2017 20:25*	WG1016266
(S) Toluene-d8	*98.4*			*80.0-120*		*09/04/2017 22:37*	WG1016266
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/07/2017 20:25*	WG1016266
(S) Dibromofluoromethane	*92.3*			*74.0-131*		*09/04/2017 22:37*	WG1016266
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/07/2017 20:25*	WG1016266
(S) 4-Bromofluorobenzene	*86.8*			*64.0-132*		*09/04/2017 22:37*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/07/2017 11:37	WG1017615

Volatile Organic Compounds (GC/MS) 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	0.0549	1	09/04/2017 22:58	WG1016266
Acrylonitrile	U		0.00196	0.0110	1	09/04/2017 22:58	WG1016266
Benzene	0.000379 J	J	0.000296	0.00110	1	09/04/2017 22:58	WG1016266
Bromobenzene	U		0.000312	0.00110	1	09/04/2017 22:58	WG1016266
Bromodichloromethane	U		0.000279	0.00110	1	09/04/2017 22:58	WG1016266
Bromochloromethane	U		0.000428	0.00549	1	09/04/2017 22:58	WG1016266
Bromoform	U		0.000465	0.00110	1	09/04/2017 22:58	WG1016266
Bromomethane	U		0.00147	0.00549	1	09/04/2017 22:58	WG1016266
n-Butylbenzene	U		0.000283	0.00110	1	09/04/2017 22:58	WG1016266
sec-Butylbenzene	U		0.000221	0.00110	1	09/04/2017 22:58	WG1016266
tert-Butylbenzene	U		0.000226	0.00110	1	09/04/2017 22:58	WG1016266
Carbon disulfide	0.00196		0.000243	0.00110	1	09/04/2017 22:58	WG1016266
Carbon tetrachloride	U		0.000360	0.00110	1	09/04/2017 22:58	WG1016266
Chlorobenzene	U		0.000233	0.00110	1	09/04/2017 22:58	WG1016266
Chlorodibromomethane	U		0.000409	0.00110	1	09/04/2017 22:58	WG1016266
Chloroethane	U		0.00104	0.00549	1	09/04/2017 22:58	WG1016266
Chloroform	U		0.000251	0.00549	1	09/04/2017 22:58	WG1016266
Chloromethane	U		0.000412	0.00274	1	09/04/2017 22:58	WG1016266
2-Chlorotoluene	U		0.000330	0.00110	1	09/04/2017 22:58	WG1016266
4-Chlorotoluene	U		0.000263	0.00110	1	09/04/2017 22:58	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	09/04/2017 22:58	WG1016266
1,2-Dibromoethane	U		0.000376	0.00110	1	09/04/2017 22:58	WG1016266
Dibromomethane	U		0.000419	0.00110	1	09/04/2017 22:58	WG1016266
1,2-Dichlorobenzene	U		0.000335	0.00110	1	09/04/2017 22:58	WG1016266
1,3-Dichlorobenzene	U		0.000262	0.00110	1	09/04/2017 22:58	WG1016266
1,4-Dichlorobenzene	U		0.000248	0.00110	1	09/04/2017 22:58	WG1016266
Dichlorodifluoromethane	U		0.000782	0.00549	1	09/04/2017 22:58	WG1016266
1,1-Dichloroethane	U		0.000218	0.00110	1	09/04/2017 22:58	WG1016266
1,2-Dichloroethane	U		0.000291	0.00110	1	09/04/2017 22:58	WG1016266
1,1-Dichloroethene	0.000499 J	J	0.000333	0.00110	1	09/04/2017 22:58	WG1016266
cis-1,2-Dichloroethene	0.130		0.000258	0.00110	1	09/04/2017 22:58	WG1016266
trans-1,2-Dichloroethene	0.000500 J	J	0.000290	0.00110	1	09/04/2017 22:58	WG1016266
1,2-Dichloropropane	U		0.000393	0.00110	1	09/04/2017 22:58	WG1016266
1,1-Dichloropropene	U		0.000348	0.00110	1	09/04/2017 22:58	WG1016266
1,3-Dichloropropane	U		0.000227	0.00110	1	09/04/2017 22:58	WG1016266
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	09/04/2017 22:58	WG1016266
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	09/04/2017 22:58	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000854	0.00274	1	09/04/2017 22:58	WG1016266
2,2-Dichloropropane	U		0.000306	0.00110	1	09/04/2017 22:58	WG1016266
Di-isopropyl ether	U		0.000272	0.00110	1	09/04/2017 22:58	WG1016266
Ethylbenzene	U		0.000326	0.00110	1	09/04/2017 22:58	WG1016266
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	09/04/2017 22:58	WG1016266
2-Hexanone	U		0.00150	0.0110	1	09/04/2017 22:58	WG1016266
n-Hexane	0.0134		0.000318	0.0110	1	09/04/2017 22:58	WG1016266
Iodomethane	U		0.00278	0.0110	1	09/04/2017 22:58	WG1016266
Isopropylbenzene	U		0.000267	0.00110	1	09/04/2017 22:58	WG1016266
p-Isopropyltoluene	U		0.000224	0.00110	1	09/04/2017 22:58	WG1016266
2-Butanone (MEK)	U		0.00514	0.0110	1	09/04/2017 22:58	WG1016266
Methylene Chloride	U		0.00110	0.00549	1	09/04/2017 22:58	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	09/04/2017 22:58	WG1016266

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

Analyte	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	09/04/2017 22:58	WG1016266
Naphthalene	U		0.00110	0.00549	1	09/04/2017 22:58	WG1016266
n-Propylbenzene	U		0.000226	0.00110	1	09/04/2017 22:58	WG1016266
Styrene	U		0.000257	0.00110	1	09/04/2017 22:58	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	09/04/2017 22:58	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	09/04/2017 22:58	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	09/04/2017 22:58	WG1016266
Tetrachloroethene	1.56		0.00757	0.0274	25	09/07/2017 16:32	WG1016266
Toluene	0.000498 J	J	0.000476	0.00549	1	09/04/2017 22:58	WG1016266
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	09/04/2017 22:58	WG1016266
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	09/04/2017 22:58	WG1016266
1,1,1-Trichloroethane	U		0.000314	0.00110	1	09/04/2017 22:58	WG1016266
1,1,2-Trichloroethane	U		0.000304	0.00110	1	09/04/2017 22:58	WG1016266
Trichloroethene	0.0496		0.000306	0.00110	1	09/04/2017 22:58	WG1016266
Trichlorofluoromethane	U		0.000419	0.00549	1	09/04/2017 22:58	WG1016266
1,2,3-Trichloropropane	U		0.000813	0.00274	1	09/04/2017 22:58	WG1016266
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/04/2017 22:58	WG1016266
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	09/04/2017 22:58	WG1016266
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	09/04/2017 22:58	WG1016266
Vinyl acetate	U		0.00262	0.0110	1	09/04/2017 22:58	WG1016266
Vinyl chloride	0.0990		0.000319	0.00110	1	09/04/2017 22:58	WG1016266
Xylenes, Total	U		0.000766	0.00329	1	09/04/2017 22:58	WG1016266
(S) Toluene-d8	*98.7*			*80.0-120*		*09/04/2017 22:58*	WG1016266
(S) Toluene-d8	*103*			*80.0-120*		*09/07/2017 16:32*	WG1016266
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 16:32*	WG1016266
(S) Dibromofluoromethane	*92.7*			*74.0-131*		*09/04/2017 22:58*	WG1016266
(S) 4-Bromofluorobenzene	*87.3*			*64.0-132*		*09/04/2017 22:58*	WG1016266
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/07/2017 16:32*	WG1016266

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	09/07/2017 11:37	WG1017615

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0535	1	09/04/2017 23:18	WG1016266
Acrylonitrile	U		0.00192	0.0107	1	09/04/2017 23:18	WG1016266
Benzene	U		0.000289	0.00107	1	09/04/2017 23:18	WG1016266
Bromobenzene	U		0.000304	0.00107	1	09/04/2017 23:18	WG1016266
Bromodichloromethane	U		0.000272	0.00107	1	09/04/2017 23:18	WG1016266
Bromochloromethane	U		0.000418	0.00535	1	09/04/2017 23:18	WG1016266
Bromoform	U		0.000454	0.00107	1	09/04/2017 23:18	WG1016266
Bromomethane	U		0.00143	0.00535	1	09/04/2017 23:18	WG1016266
n-Butylbenzene	U		0.000276	0.00107	1	09/04/2017 23:18	WG1016266
sec-Butylbenzene	U		0.000215	0.00107	1	09/04/2017 23:18	WG1016266
tert-Butylbenzene	U		0.000221	0.00107	1	09/04/2017 23:18	WG1016266
Carbon disulfide	0.00384		0.000237	0.00107	1	09/04/2017 23:18	WG1016266
Carbon tetrachloride	U		0.000351	0.00107	1	09/04/2017 23:18	WG1016266
Chlorobenzene	U		0.000227	0.00107	1	09/04/2017 23:18	WG1016266
Chlorodibromomethane	U		0.000399	0.00107	1	09/04/2017 23:18	WG1016266
Chloroethane	U		0.00101	0.00535	1	09/04/2017 23:18	WG1016266
Chloroform	U		0.000245	0.00535	1	09/04/2017 23:18	WG1016266
Chloromethane	U		0.000402	0.00268	1	09/04/2017 23:18	WG1016266
2-Chlorotoluene	U		0.000322	0.00107	1	09/04/2017 23:18	WG1016266
4-Chlorotoluene	U		0.000257	0.00107	1	09/04/2017 23:18	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/04/2017 23:18	WG1016266
1,2-Dibromoethane	U		0.000367	0.00107	1	09/04/2017 23:18	WG1016266
Dibromomethane	U		0.000409	0.00107	1	09/04/2017 23:18	WG1016266
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/04/2017 23:18	WG1016266
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/04/2017 23:18	WG1016266
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/04/2017 23:18	WG1016266
Dichlorodifluoromethane	U		0.000763	0.00535	1	09/04/2017 23:18	WG1016266
1,1-Dichloroethane	U		0.000213	0.00107	1	09/04/2017 23:18	WG1016266
1,2-Dichloroethane	U		0.000284	0.00107	1	09/04/2017 23:18	WG1016266
1,1-Dichloroethene	U		0.000324	0.00107	1	09/04/2017 23:18	WG1016266
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	09/04/2017 23:18	WG1016266
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/04/2017 23:18	WG1016266
1,2-Dichloropropane	U		0.000383	0.00107	1	09/04/2017 23:18	WG1016266
1,1-Dichloropropene	U		0.000339	0.00107	1	09/04/2017 23:18	WG1016266
1,3-Dichloropropane	U		0.000222	0.00107	1	09/04/2017 23:18	WG1016266
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/04/2017 23:18	WG1016266
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/04/2017 23:18	WG1016266
trans-1,4-Dichloro-2-butene	U		0.000833	0.00268	1	09/04/2017 23:18	WG1016266
2,2-Dichloropropane	U		0.000299	0.00107	1	09/04/2017 23:18	WG1016266
Di-isopropyl ether	U		0.000266	0.00107	1	09/04/2017 23:18	WG1016266
Ethylbenzene	U		0.000318	0.00107	1	09/04/2017 23:18	WG1016266
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	09/04/2017 23:18	WG1016266
2-Hexanone	U		0.00147	0.0107	1	09/04/2017 23:18	WG1016266
n-Hexane	0.00870	J	0.000311	0.0107	1	09/04/2017 23:18	WG1016266
Iodomethane	U		0.00271	0.0107	1	09/04/2017 23:18	WG1016266
Isopropylbenzene	U		0.000260	0.00107	1	09/04/2017 23:18	WG1016266
p-Isopropyltoluene	U		0.000218	0.00107	1	09/04/2017 23:18	WG1016266
2-Butanone (MEK)	U		0.00501	0.0107	1	09/04/2017 23:18	WG1016266
Methylene Chloride	U		0.00107	0.00535	1	09/04/2017 23:18	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/04/2017 23:18	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/04/2017 23:18	WG1016266
Naphthalene	U		0.00107	0.00535	1	09/04/2017 23:18	WG1016266
n-Propylbenzene	U		0.000221	0.00107	1	09/04/2017 23:18	WG1016266
Styrene	U		0.000251	0.00107	1	09/04/2017 23:18	WG1016266
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/04/2017 23:18	WG1016266
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/04/2017 23:18	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/04/2017 23:18	WG1016266
Tetrachloroethene	U		0.00746	0.0270	25.25	09/07/2017 16:58	WG1016266
Toluene	U		0.000465	0.00535	1	09/04/2017 23:18	WG1016266
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/04/2017 23:18	WG1016266
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	09/04/2017 23:18	WG1016266
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/04/2017 23:18	WG1016266
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/04/2017 23:18	WG1016266
Trichloroethene	U		0.000299	0.00107	1	09/04/2017 23:18	WG1016266
Trichlorofluoromethane	U		0.000409	0.00535	1	09/04/2017 23:18	WG1016266
1,2,3-Trichloropropane	U		0.000793	0.00268	1	09/04/2017 23:18	WG1016266
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/04/2017 23:18	WG1016266
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/04/2017 23:18	WG1016266
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/04/2017 23:18	WG1016266
Vinyl acetate	U		0.00256	0.0107	1	09/04/2017 23:18	WG1016266
Vinyl chloride	U		0.000312	0.00107	1	09/04/2017 23:18	WG1016266
Xylenes, Total	U		0.000747	0.00321	1	09/04/2017 23:18	WG1016266
(S) Toluene-d8	*101*			*80.0-120*		*09/04/2017 23:18*	WG1016266
(S) Toluene-d8	*97.8*			*80.0-120*		*09/07/2017 16:58*	WG1016266
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 16:58*	WG1016266
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*09/04/2017 23:18*	WG1016266
(S) 4-Bromofluorobenzene	*89.0*			*64.0-132*		*09/04/2017 23:18*	WG1016266
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/07/2017 16:58*	WG1016266

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	92.7		1	09/07/2017 11:37	WG1017615

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.270	1.35	25	09/07/2017 17:24	WG1016266
Acrylonitrile	U		0.0483	0.270	25	09/07/2017 17:24	WG1016266
Benzene	U		0.00728	0.0270	25	09/07/2017 17:24	WG1016266
Bromobenzene	U		0.00766	0.0270	25	09/07/2017 17:24	WG1016266
Bromodichloromethane	U		0.00685	0.0270	25	09/07/2017 17:24	WG1016266
Bromochloromethane	U		0.0105	0.135	25	09/07/2017 17:24	WG1016266
Bromoform	U		0.0114	0.0270	25	09/07/2017 17:24	WG1016266
Bromomethane	U		0.0361	0.135	25	09/07/2017 17:24	WG1016266
n-Butylbenzene	U		0.00696	0.0270	25	09/07/2017 17:24	WG1016266
sec-Butylbenzene	U		0.00541	0.0270	25	09/07/2017 17:24	WG1016266
tert-Butylbenzene	U		0.00555	0.0270	25	09/07/2017 17:24	WG1016266
Carbon disulfide	U		0.00595	0.0270	25	09/07/2017 17:24	WG1016266
Carbon tetrachloride	U		0.00884	0.0270	25	09/07/2017 17:24	WG1016266
Chlorobenzene	U		0.00572	0.0270	25	09/07/2017 17:24	WG1016266
Chlorodibromomethane	U		0.0101	0.0270	25	09/07/2017 17:24	WG1016266
Chloroethane	U		0.0255	0.135	25	09/07/2017 17:24	WG1016266
Chloroform	U		0.00617	0.135	25	09/07/2017 17:24	WG1016266
Chloromethane	U		0.0101	0.0674	25	09/07/2017 17:24	WG1016266
2-Chlorotoluene	U		0.00811	0.0270	25	09/07/2017 17:24	WG1016266
4-Chlorotoluene	U		0.00647	0.0270	25	09/07/2017 17:24	WG1016266
1,2-Dibromo-3-Chloropropane	U		0.0283	0.135	25	09/07/2017 17:24	WG1016266
1,2-Dibromoethane	U		0.00925	0.0270	25	09/07/2017 17:24	WG1016266
Dibromomethane	U		0.0103	0.0270	25	09/07/2017 17:24	WG1016266
1,2-Dichlorobenzene	U		0.00822	0.0270	25	09/07/2017 17:24	WG1016266
1,3-Dichlorobenzene	U		0.00645	0.0270	25	09/07/2017 17:24	WG1016266
1,4-Dichlorobenzene	U		0.00609	0.0270	25	09/07/2017 17:24	WG1016266
Dichlorodifluoromethane	U		0.0192	0.135	25	09/07/2017 17:24	WG1016266
1,1-Dichloroethane	U		0.00537	0.0270	25	09/07/2017 17:24	WG1016266
1,2-Dichloroethane	U		0.00714	0.0270	25	09/07/2017 17:24	WG1016266
1,1-Dichloroethene	U		0.00817	0.0270	25	09/07/2017 17:24	WG1016266
cis-1,2-Dichloroethene	U		0.00634	0.0270	25	09/07/2017 17:24	WG1016266
trans-1,2-Dichloroethene	U		0.00712	0.0270	25	09/07/2017 17:24	WG1016266
1,2-Dichloropropane	U		0.00965	0.0270	25	09/07/2017 17:24	WG1016266
1,1-Dichloropropene	U		0.00854	0.0270	25	09/07/2017 17:24	WG1016266
1,3-Dichloropropane	U		0.00559	0.0270	25	09/07/2017 17:24	WG1016266
cis-1,3-Dichloropropene	U		0.00706	0.0270	25	09/07/2017 17:24	WG1016266
trans-1,3-Dichloropropene	U		0.00720	0.0270	25	09/07/2017 17:24	WG1016266
trans-1,4-Dichloro-2-butene	U		0.0209	0.0674	25	09/07/2017 17:24	WG1016266
2,2-Dichloropropane	U		0.00753	0.0270	25	09/07/2017 17:24	WG1016266
Di-isopropyl ether	U		0.00669	0.0270	25	09/07/2017 17:24	WG1016266
Ethylbenzene	U		0.00800	0.0270	25	09/07/2017 17:24	WG1016266
Hexachloro-1,3-butadiene	U		0.00922	0.0270	25	09/07/2017 17:24	WG1016266
2-Hexanone	U		0.0369	0.270	25	09/07/2017 17:24	WG1016266
n-Hexane	U		0.00782	0.270	25	09/07/2017 17:24	WG1016266
Iodomethane	U		0.0682	0.270	25	09/07/2017 17:24	WG1016266
Isopropylbenzene	U		0.00656	0.0270	25	09/07/2017 17:24	WG1016266
p-Isopropyltoluene	U		0.00550	0.0270	25	09/07/2017 17:24	WG1016266
2-Butanone (MEK)	U		0.126	0.270	25	09/07/2017 17:24	WG1016266
Methylene Chloride	U		0.0270	0.135	25	09/07/2017 17:24	WG1016266
4-Methyl-2-pentanone (MIBK)	U		0.0507	0.270	25	09/07/2017 17:24	WG1016266

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	0.00683 J	J	0.00572	0.0270	25	09/07/2017 17:24	WG1016266
Naphthalene	U		0.0270	0.135	25	09/07/2017 17:24	WG1016266
n-Propylbenzene	U		0.00555	0.0270	25	09/07/2017 17:24	WG1016266
Styrene	U		0.00631	0.0270	25	09/07/2017 17:24	WG1016266
1,1,1,2-Tetrachloroethane	U		0.00712	0.0270	25	09/07/2017 17:24	WG1016266
1,1,2,2-Tetrachloroethane	U		0.00984	0.0270	25	09/07/2017 17:24	WG1016266
1,1,2-Trichlorotrifluoroethane	U		0.00984	0.0270	25	09/07/2017 17:24	WG1016266
Tetrachloroethene	U		0.00744	0.0270	25	09/07/2017 17:24	WG1016266
Toluene	U		0.0116	0.135	25	09/07/2017 17:24	WG1016266
1,2,3-Trichlorobenzene	U		0.00825	0.0270	25	09/07/2017 17:24	WG1016266
1,2,4-Trichlorobenzene	U		0.0105	0.0270	25	09/07/2017 17:24	WG1016266
1,1,1-Trichloroethane	U		0.00771	0.0270	25	09/07/2017 17:24	WG1016266
1,1,2-Trichloroethane	U		0.00746	0.0270	25	09/07/2017 17:24	WG1016266
Trichloroethene	U		0.00753	0.0270	25	09/07/2017 17:24	WG1016266
Trichlorofluoromethane	U		0.0103	0.135	25	09/07/2017 17:24	WG1016266
1,2,3-Trichloropropane	U		0.0200	0.0674	25	09/07/2017 17:24	WG1016266
1,2,4-Trimethylbenzene	U		0.00569	0.0270	25	09/07/2017 17:24	WG1016266
1,2,3-Trimethylbenzene	U		0.00774	0.0270	25	09/07/2017 17:24	WG1016266
1,3,5-Trimethylbenzene	U		0.00717	0.0270	25	09/07/2017 17:24	WG1016266
Vinyl acetate	U		0.0645	0.270	25	09/07/2017 17:24	WG1016266
Vinyl chloride	U		0.00785	0.0270	25	09/07/2017 17:24	WG1016266
Xylenes, Total	U		0.0188	0.0809	25	09/07/2017 17:24	WG1016266
(S) Toluene-d8	*86.9*			*80.0-120*		*09/07/2017 17:24*	WG1016266
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/07/2017 17:24*	WG1016266
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/07/2017 17:24*	WG1016266

Sample Narrative:

L933267-13 WG1016266: No low level sodium bisulfite vials remaining for analysis.

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	1.42	J	1.05	25.0	1	09/08/2017 11:14	WG1015996
Acrylonitrile	U		0.873	5.00	1	09/01/2017 10:16	WG1015996
Benzene	U		0.0896	0.500	1	09/01/2017 10:16	WG1015996
Bromobenzene	U		0.133	0.500	1	09/01/2017 10:16	WG1015996
Bromodichloromethane	U		0.0800	0.500	1	09/01/2017 10:16	WG1015996
Bromochloromethane	U		0.145	0.500	1	09/01/2017 10:16	WG1015996
Bromoform	U		0.186	0.500	1	09/01/2017 10:16	WG1015996
Bromomethane	U	J3	0.157	2.50	1	09/08/2017 11:14	WG1015996
n-Butylbenzene	U		0.143	0.500	1	09/01/2017 10:16	WG1015996
sec-Butylbenzene	U		0.134	0.500	1	09/01/2017 10:16	WG1015996
tert-Butylbenzene	U		0.183	0.500	1	09/01/2017 10:16	WG1015996
Carbon disulfide	U		0.101	0.500	1	09/01/2017 10:16	WG1015996
Carbon tetrachloride	U		0.159	0.500	1	09/01/2017 10:16	WG1015996
Chlorobenzene	U		0.140	0.500	1	09/01/2017 10:16	WG1015996
Chlorodibromomethane	U		0.128	0.500	1	09/01/2017 10:16	WG1015996
Chloroethane	U		0.141	2.50	1	09/01/2017 10:16	WG1015996
Chloroform	U		0.0860	0.500	1	09/01/2017 10:16	WG1015996
Chloromethane	U		0.153	1.25	1	09/01/2017 10:16	WG1015996
2-Chlorotoluene	U		0.111	0.500	1	09/01/2017 10:16	WG1015996
4-Chlorotoluene	U		0.0972	0.500	1	09/01/2017 10:16	WG1015996
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/01/2017 10:16	WG1015996
1,2-Dibromoethane	U		0.193	0.500	1	09/01/2017 10:16	WG1015996
Dibromomethane	U		0.117	0.500	1	09/01/2017 10:16	WG1015996
1,2-Dichlorobenzene	U		0.101	0.500	1	09/01/2017 10:16	WG1015996
1,3-Dichlorobenzene	U		0.130	0.500	1	09/01/2017 10:16	WG1015996
1,4-Dichlorobenzene	U		0.121	0.500	1	09/01/2017 10:16	WG1015996
Dichlorodifluoromethane	U		0.127	2.50	1	09/01/2017 10:16	WG1015996
1,1-Dichloroethane	U		0.114	0.500	1	09/01/2017 10:16	WG1015996
1,2-Dichloroethane	U		0.108	0.500	1	09/01/2017 10:16	WG1015996
1,1-Dichloroethene	U		0.188	0.500	1	09/01/2017 10:16	WG1015996
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/01/2017 10:16	WG1015996
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/01/2017 10:16	WG1015996
1,2-Dichloropropane	U		0.190	0.500	1	09/01/2017 10:16	WG1015996
1,1-Dichloropropene	U		0.128	0.500	1	09/01/2017 10:16	WG1015996
1,3-Dichloropropane	U		0.147	1.00	1	09/01/2017 10:16	WG1015996
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/01/2017 10:16	WG1015996
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/08/2017 11:14	WG1015996
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/01/2017 10:16	WG1015996
2,2-Dichloropropane	U		0.0929	0.500	1	09/01/2017 10:16	WG1015996
Di-isopropyl ether	U		0.0924	0.500	1	09/01/2017 10:16	WG1015996
Ethylbenzene	U		0.158	0.500	1	09/01/2017 10:16	WG1015996
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/01/2017 10:16	WG1015996
2-Hexanone	U		0.757	5.00	1	09/08/2017 11:14	WG1015996
n-Hexane	U		0.305	5.00	1	09/01/2017 10:16	WG1015996
Iodomethane	U	J3	0.377	10.0	1	09/08/2017 11:14	WG1015996
Isopropylbenzene	U		0.126	0.500	1	09/01/2017 10:16	WG1015996
p-Isopropyltoluene	U		0.138	0.500	1	09/01/2017 10:16	WG1015996
2-Butanone (MEK)	U		1.28	5.00	1	09/08/2017 11:14	WG1015996
Methylene Chloride	U		1.07	2.50	1	09/01/2017 10:16	WG1015996
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/01/2017 10:16	WG1015996
Methyl tert-butyl ether	U		0.102	0.500	1	09/08/2017 11:14	WG1015996
Naphthalene	U		0.174	2.50	1	09/01/2017 10:16	WG1015996
n-Propylbenzene	U		0.162	0.500	1	09/01/2017 10:16	WG1015996
Styrene	U		0.117	0.500	1	09/08/2017 11:14	WG1015996
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/01/2017 10:16	WG1015996
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/01/2017 10:16	WG1015996

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/01/2017 10:16	WG1015996
Tetrachloroethene	U		0.199	0.500	1	09/01/2017 10:16	WG1015996
Toluene	U		0.412	0.500	1	09/01/2017 10:16	WG1015996
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/01/2017 10:16	WG1015996
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/01/2017 10:16	WG1015996
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/01/2017 10:16	WG1015996
1,1,2-Trichloroethane	U		0.186	0.500	1	09/01/2017 10:16	WG1015996
Trichloroethene	U		0.153	0.500	1	09/01/2017 10:16	WG1015996
Trichlorofluoromethane	U		0.130	2.50	1	09/01/2017 10:16	WG1015996
1,2,3-Trichloropropane	U		0.247	2.50	1	09/01/2017 10:16	WG1015996
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/01/2017 10:16	WG1015996
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/01/2017 10:16	WG1015996
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/01/2017 10:16	WG1015996
Vinyl acetate	U		0.645	5.00	1	09/01/2017 10:16	WG1015996
Vinyl chloride	U		0.118	0.500	1	09/01/2017 10:16	WG1015996
Xylenes, Total	U		0.316	1.50	1	09/01/2017 10:16	WG1015996
(S) Toluene-d8	*102*			*80.0-120*		*09/08/2017 11:14*	WG1015996
(S) Toluene-d8	*103*			*80.0-120*		*09/01/2017 10:16*	WG1015996
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/01/2017 10:16*	WG1015996
(S) Dibromofluoromethane	*106*			*76.0-123*		*09/08/2017 11:14*	WG1015996
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*09/08/2017 11:14*	WG1015996
(S) 4-Bromofluorobenzene	*108*			*80.0-120*		*09/01/2017 10:16*	WG1015996

ANALYTICAL REPORT

September 11, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L933455
Samples Received:	09/01/2017
Project Number:	1413.001.02.602
Description:	American Linen Project

Report To: Bill Haldeman
1215 Fourth Ave., Suite 1350
Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

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MW-140-90 L933455-01 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	08/30/17 17:40	09/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017807	1	09/08/17 09:09	09/08/17 09:23	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016411	1	08/30/17 17:40	09/02/17 20:18	ACG

MW-137-25 L933455-02 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	08/31/17 09:50	09/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017807	1	09/08/17 09:09	09/08/17 09:23	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1016832	1	08/31/17 09:50	09/05/17 19:57	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016411	1	08/31/17 09:50	09/02/17 20:44	ACG

MW-140-110 L933455-03 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	08/31/17 10:45	09/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017807	1	09/08/17 09:09	09/08/17 09:23	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016411	1	08/31/17 10:45	09/02/17 21:10	ACG

MW-137-45 L933455-04 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	08/31/17 11:40	09/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017807	1	09/08/17 09:09	09/08/17 09:23	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1016832	1	08/31/17 11:40	09/05/17 20:19	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016411	25	08/31/17 11:40	09/05/17 16:45	ACG

MW-140-130 L933455-05 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	08/31/17 12:40	09/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017807	1	09/08/17 09:09	09/08/17 09:23	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016411	1	08/31/17 12:40	09/05/17 17:11	ACG

MW-140-140 L933455-06 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	08/31/17 14:15	09/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017807	1	09/08/17 09:09	09/08/17 09:23	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016411	25	08/31/17 14:15	09/06/17 12:42	BMB

MW-137-75 L933455-07 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	08/31/17 15:25	09/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017937	1	09/07/17 16:33	09/07/17 16:54	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016411	1	08/31/17 15:25	09/05/17 18:02	ACG

MW-137-76-W L933455-08 GW

Collected by	Collected date/time	Received date/time
Shannon McKernan	08/31/17 15:30	09/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1016529	5	09/03/17 18:37	09/03/17 18:37	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016388	5	09/02/17 17:10	09/02/17 17:10	ACG

B-905-60-W L933455-09 GW

Collected by	Collected date/time	Received date/time
Shannon McKernan	08/31/17 15:45	09/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1016529	1	09/03/17 19:01	09/03/17 19:01	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1016388	5	09/02/17 17:30	09/02/17 17:30	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	85.0		1	09/08/2017 09:23	WG1017807

Volatile Organic Compounds (GC/MS) 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	0.0588	1	09/02/2017 20:18	WG1016411
Acrylonitrile	U		0.00211	0.0118	1	09/02/2017 20:18	WG1016411
Benzene	U		0.000318	0.00118	1	09/02/2017 20:18	WG1016411
Bromobenzene	U		0.000334	0.00118	1	09/02/2017 20:18	WG1016411
Bromodichloromethane	U		0.000299	0.00118	1	09/02/2017 20:18	WG1016411
Bromochloromethane	U		0.000459	0.00588	1	09/02/2017 20:18	WG1016411
Bromoform	U		0.000499	0.00118	1	09/02/2017 20:18	WG1016411
Bromomethane	U		0.00158	0.00588	1	09/02/2017 20:18	WG1016411
n-Butylbenzene	U		0.000303	0.00118	1	09/02/2017 20:18	WG1016411
sec-Butylbenzene	U	J4	0.000236	0.00118	1	09/02/2017 20:18	WG1016411
tert-Butylbenzene	U		0.000242	0.00118	1	09/02/2017 20:18	WG1016411
Carbon disulfide	U		0.000260	0.00118	1	09/02/2017 20:18	WG1016411
Carbon tetrachloride	U		0.000386	0.00118	1	09/02/2017 20:18	WG1016411
Chlorobenzene	U		0.000249	0.00118	1	09/02/2017 20:18	WG1016411
Chlorodibromomethane	U		0.000439	0.00118	1	09/02/2017 20:18	WG1016411
Chloroethane	U		0.00111	0.00588	1	09/02/2017 20:18	WG1016411
Chloroform	U		0.000269	0.00588	1	09/02/2017 20:18	WG1016411
Chloromethane	U		0.000441	0.00294	1	09/02/2017 20:18	WG1016411
2-Chlorotoluene	U		0.000354	0.00118	1	09/02/2017 20:18	WG1016411
4-Chlorotoluene	U		0.000282	0.00118	1	09/02/2017 20:18	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00588	1	09/02/2017 20:18	WG1016411
1,2-Dibromoethane	U		0.000403	0.00118	1	09/02/2017 20:18	WG1016411
Dibromomethane	U		0.000449	0.00118	1	09/02/2017 20:18	WG1016411
1,2-Dichlorobenzene	U		0.000359	0.00118	1	09/02/2017 20:18	WG1016411
1,3-Dichlorobenzene	U		0.000281	0.00118	1	09/02/2017 20:18	WG1016411
1,4-Dichlorobenzene	U		0.000266	0.00118	1	09/02/2017 20:18	WG1016411
Dichlorodifluoromethane	U		0.000839	0.00588	1	09/02/2017 20:18	WG1016411
1,1-Dichloroethane	U		0.000234	0.00118	1	09/02/2017 20:18	WG1016411
1,2-Dichloroethane	U		0.000312	0.00118	1	09/02/2017 20:18	WG1016411
1,1-Dichloroethene	U		0.000356	0.00118	1	09/02/2017 20:18	WG1016411
cis-1,2-Dichloroethene	U		0.000276	0.00118	1	09/02/2017 20:18	WG1016411
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	09/02/2017 20:18	WG1016411
1,2-Dichloropropane	U		0.000421	0.00118	1	09/02/2017 20:18	WG1016411
1,1-Dichloropropene	U		0.000373	0.00118	1	09/02/2017 20:18	WG1016411
1,3-Dichloropropane	U		0.000244	0.00118	1	09/02/2017 20:18	WG1016411
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	09/02/2017 20:18	WG1016411
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	09/02/2017 20:18	WG1016411
trans-1,4-Dichloro-2-butene	U		0.000915	0.00294	1	09/02/2017 20:18	WG1016411
2,2-Dichloropropane	U		0.000328	0.00118	1	09/02/2017 20:18	WG1016411
Di-isopropyl ether	U		0.000292	0.00118	1	09/02/2017 20:18	WG1016411
Ethylbenzene	U		0.000349	0.00118	1	09/02/2017 20:18	WG1016411
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	09/02/2017 20:18	WG1016411
2-Hexanone	U		0.00161	0.0118	1	09/02/2017 20:18	WG1016411
n-Hexane	0.00188	J	0.000341	0.0118	1	09/02/2017 20:18	WG1016411
Iodomethane	U		0.00298	0.0118	1	09/02/2017 20:18	WG1016411
Isopropylbenzene	U		0.000286	0.00118	1	09/02/2017 20:18	WG1016411
p-Isopropyltoluene	U		0.000240	0.00118	1	09/02/2017 20:18	WG1016411
2-Butanone (MEK)	U		0.00551	0.0118	1	09/02/2017 20:18	WG1016411
Methylene Chloride	U		0.00118	0.00588	1	09/02/2017 20:18	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	09/02/2017 20:18	WG1016411

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

Analyte	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	09/02/2017 20:18	WG1016411
Naphthalene	U		0.00118	0.00588	1	09/02/2017 20:18	WG1016411
n-Propylbenzene	U	J4	0.000242	0.00118	1	09/02/2017 20:18	WG1016411
Styrene	U		0.000275	0.00118	1	09/02/2017 20:18	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	09/02/2017 20:18	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000429	0.00118	1	09/02/2017 20:18	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00118	1	09/02/2017 20:18	WG1016411
Tetrachloroethene	U		0.000325	0.00118	1	09/02/2017 20:18	WG1016411
Toluene	U		0.000511	0.00588	1	09/02/2017 20:18	WG1016411
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1	09/02/2017 20:18	WG1016411
1,2,4-Trichlorobenzene	U		0.000456	0.00118	1	09/02/2017 20:18	WG1016411
1,1,1-Trichloroethane	U		0.000336	0.00118	1	09/02/2017 20:18	WG1016411
1,1,2-Trichloroethane	U		0.000326	0.00118	1	09/02/2017 20:18	WG1016411
Trichloroethene	U		0.000328	0.00118	1	09/02/2017 20:18	WG1016411
Trichlorofluoromethane	U		0.000449	0.00588	1	09/02/2017 20:18	WG1016411
1,2,3-Trichloropropane	U		0.000872	0.00294	1	09/02/2017 20:18	WG1016411
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	09/02/2017 20:18	WG1016411
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	09/02/2017 20:18	WG1016411
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	09/02/2017 20:18	WG1016411
Vinyl acetate	U		0.00281	0.0118	1	09/02/2017 20:18	WG1016411
Vinyl chloride	U		0.000342	0.00118	1	09/02/2017 20:18	WG1016411
Xylenes, Total	U		0.000821	0.00353	1	09/02/2017 20:18	WG1016411
(S) Toluene-d8	*94.3*			*80.0-120*		*09/02/2017 20:18*	WG1016411
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/02/2017 20:18*	WG1016411
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/02/2017 20:18*	WG1016411

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	09/08/2017 09:23	WG1017807

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		0.0370	0.109	1	09/05/2017 19:57	WG1016832
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-120*		*09/05/2017 19:57*	WG1016832

Volatile Organic Compounds (GC/MS) 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	0.0545	1	09/02/2017 20:44	WG1016411
Acrylonitrile	U		0.00195	0.0109	1	09/02/2017 20:44	WG1016411
Benzene	U		0.000294	0.00109	1	09/02/2017 20:44	WG1016411
Bromobenzene	U		0.000310	0.00109	1	09/02/2017 20:44	WG1016411
Bromodichloromethane	U		0.000277	0.00109	1	09/02/2017 20:44	WG1016411
Bromochloromethane	U		0.000425	0.00545	1	09/02/2017 20:44	WG1016411
Bromoform	U		0.000462	0.00109	1	09/02/2017 20:44	WG1016411
Bromomethane	U		0.00146	0.00545	1	09/02/2017 20:44	WG1016411
n-Butylbenzene	U		0.000281	0.00109	1	09/02/2017 20:44	WG1016411
sec-Butylbenzene	U	J4	0.000219	0.00109	1	09/02/2017 20:44	WG1016411
tert-Butylbenzene	U		0.000225	0.00109	1	09/02/2017 20:44	WG1016411
Carbon disulfide	U		0.000241	0.00109	1	09/02/2017 20:44	WG1016411
Carbon tetrachloride	U		0.000358	0.00109	1	09/02/2017 20:44	WG1016411
Chlorobenzene	U		0.000231	0.00109	1	09/02/2017 20:44	WG1016411
Chlorodibromomethane	U		0.000407	0.00109	1	09/02/2017 20:44	WG1016411
Chloroethane	U		0.00103	0.00545	1	09/02/2017 20:44	WG1016411
Chloroform	U		0.000250	0.00545	1	09/02/2017 20:44	WG1016411
Chloromethane	U		0.000409	0.00273	1	09/02/2017 20:44	WG1016411
2-Chlorotoluene	U		0.000328	0.00109	1	09/02/2017 20:44	WG1016411
4-Chlorotoluene	U		0.000262	0.00109	1	09/02/2017 20:44	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	09/02/2017 20:44	WG1016411
1,2-Dibromoethane	U		0.000374	0.00109	1	09/02/2017 20:44	WG1016411
Dibromomethane	U		0.000417	0.00109	1	09/02/2017 20:44	WG1016411
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/02/2017 20:44	WG1016411
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/02/2017 20:44	WG1016411
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/02/2017 20:44	WG1016411
Dichlorodifluoromethane	U		0.000778	0.00545	1	09/02/2017 20:44	WG1016411
1,1-Dichloroethane	U		0.000217	0.00109	1	09/02/2017 20:44	WG1016411
1,2-Dichloroethane	U		0.000289	0.00109	1	09/02/2017 20:44	WG1016411
1,1-Dichloroethene	U		0.000330	0.00109	1	09/02/2017 20:44	WG1016411
cis-1,2-Dichloroethene	0.000783	J	0.000256	0.00109	1	09/02/2017 20:44	WG1016411
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/02/2017 20:44	WG1016411
1,2-Dichloropropane	U		0.000390	0.00109	1	09/02/2017 20:44	WG1016411
1,1-Dichloropropene	U		0.000346	0.00109	1	09/02/2017 20:44	WG1016411
1,3-Dichloropropane	U		0.000226	0.00109	1	09/02/2017 20:44	WG1016411
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/02/2017 20:44	WG1016411
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/02/2017 20:44	WG1016411
trans-1,4-Dichloro-2-butene	U		0.000849	0.00273	1	09/02/2017 20:44	WG1016411
2,2-Dichloropropane	U		0.000304	0.00109	1	09/02/2017 20:44	WG1016411
Di-isopropyl ether	U		0.000270	0.00109	1	09/02/2017 20:44	WG1016411
Ethylbenzene	U		0.000324	0.00109	1	09/02/2017 20:44	WG1016411
Hexachloro-1,3-butadiene	U		0.000373	0.00109	1	09/02/2017 20:44	WG1016411
2-Hexanone	U		0.00149	0.0109	1	09/02/2017 20:44	WG1016411
n-Hexane	0.00162	J	0.000316	0.0109	1	09/02/2017 20:44	WG1016411

Volatile Organic Compounds (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		0.00276	0.0109	1	09/02/2017 20:44	WG1016411
Isopropylbenzene	U		0.000265	0.00109	1	09/02/2017 20:44	WG1016411
p-Isopropyltoluene	U		0.000223	0.00109	1	09/02/2017 20:44	WG1016411
2-Butanone (MEK)	U		0.00510	0.0109	1	09/02/2017 20:44	WG1016411
Methylene Chloride	U		0.00109	0.00545	1	09/02/2017 20:44	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/02/2017 20:44	WG1016411
Methyl tert-butyl ether	U		0.000231	0.00109	1	09/02/2017 20:44	WG1016411
Naphthalene	U		0.00109	0.00545	1	09/02/2017 20:44	WG1016411
n-Propylbenzene	U	J4	0.000225	0.00109	1	09/02/2017 20:44	WG1016411
Styrene	U		0.000255	0.00109	1	09/02/2017 20:44	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	09/02/2017 20:44	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	09/02/2017 20:44	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	09/02/2017 20:44	WG1016411
Tetrachloroethene	0.00174		0.000301	0.00109	1	09/02/2017 20:44	WG1016411
Toluene	U		0.000473	0.00545	1	09/02/2017 20:44	WG1016411
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	09/02/2017 20:44	WG1016411
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	09/02/2017 20:44	WG1016411
1,1,1-Trichloroethane	U		0.000312	0.00109	1	09/02/2017 20:44	WG1016411
1,1,2-Trichloroethane	U		0.000302	0.00109	1	09/02/2017 20:44	WG1016411
Trichloroethene	0.00245		0.000304	0.00109	1	09/02/2017 20:44	WG1016411
Trichlorofluoromethane	U		0.000417	0.00545	1	09/02/2017 20:44	WG1016411
1,2,3-Trichloropropane	U		0.000808	0.00273	1	09/02/2017 20:44	WG1016411
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/02/2017 20:44	WG1016411
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	09/02/2017 20:44	WG1016411
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/02/2017 20:44	WG1016411
Vinyl acetate	U		0.00261	0.0109	1	09/02/2017 20:44	WG1016411
Vinyl chloride	U		0.000317	0.00109	1	09/02/2017 20:44	WG1016411
Xylenes, Total	U		0.000761	0.00327	1	09/02/2017 20:44	WG1016411
(S) Toluene-d8	*96.2*			*80.0-120*		*09/02/2017 20:44*	WG1016411
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/02/2017 20:44*	WG1016411
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/02/2017 20:44*	WG1016411

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	09/08/2017 09:23	WG1017807

Volatile Organic Compounds (GC/MS) 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	0.0579	1	09/02/2017 21:10	WG1016411
Acrylonitrile	U		0.00207	0.0116	1	09/02/2017 21:10	WG1016411
Benzene	U		0.000313	0.00116	1	09/02/2017 21:10	WG1016411
Bromobenzene	U		0.000329	0.00116	1	09/02/2017 21:10	WG1016411
Bromodichloromethane	U		0.000294	0.00116	1	09/02/2017 21:10	WG1016411
Bromochloromethane	U		0.000452	0.00579	1	09/02/2017 21:10	WG1016411
Bromoform	U		0.000491	0.00116	1	09/02/2017 21:10	WG1016411
Bromomethane	U		0.00155	0.00579	1	09/02/2017 21:10	WG1016411
n-Butylbenzene	U		0.000299	0.00116	1	09/02/2017 21:10	WG1016411
sec-Butylbenzene	U	J4	0.000233	0.00116	1	09/02/2017 21:10	WG1016411
tert-Butylbenzene	U		0.000239	0.00116	1	09/02/2017 21:10	WG1016411
Carbon disulfide	U		0.000256	0.00116	1	09/02/2017 21:10	WG1016411
Carbon tetrachloride	U		0.000380	0.00116	1	09/02/2017 21:10	WG1016411
Chlorobenzene	U		0.000245	0.00116	1	09/02/2017 21:10	WG1016411
Chlorodibromomethane	U		0.000432	0.00116	1	09/02/2017 21:10	WG1016411
Chloroethane	U		0.00110	0.00579	1	09/02/2017 21:10	WG1016411
Chloroform	U		0.000265	0.00579	1	09/02/2017 21:10	WG1016411
Chloromethane	U		0.000434	0.00290	1	09/02/2017 21:10	WG1016411
2-Chlorotoluene	U		0.000349	0.00116	1	09/02/2017 21:10	WG1016411
4-Chlorotoluene	U		0.000278	0.00116	1	09/02/2017 21:10	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	09/02/2017 21:10	WG1016411
1,2-Dibromoethane	U		0.000397	0.00116	1	09/02/2017 21:10	WG1016411
Dibromomethane	U		0.000442	0.00116	1	09/02/2017 21:10	WG1016411
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/02/2017 21:10	WG1016411
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/02/2017 21:10	WG1016411
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/02/2017 21:10	WG1016411
Dichlorodifluoromethane	U		0.000826	0.00579	1	09/02/2017 21:10	WG1016411
1,1-Dichloroethane	U		0.000230	0.00116	1	09/02/2017 21:10	WG1016411
1,2-Dichloroethane	U		0.000307	0.00116	1	09/02/2017 21:10	WG1016411
1,1-Dichloroethene	U		0.000351	0.00116	1	09/02/2017 21:10	WG1016411
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	09/02/2017 21:10	WG1016411
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/02/2017 21:10	WG1016411
1,2-Dichloropropane	U		0.000415	0.00116	1	09/02/2017 21:10	WG1016411
1,1-Dichloropropene	U		0.000367	0.00116	1	09/02/2017 21:10	WG1016411
1,3-Dichloropropane	U		0.000240	0.00116	1	09/02/2017 21:10	WG1016411
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	09/02/2017 21:10	WG1016411
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/02/2017 21:10	WG1016411
trans-1,4-Dichloro-2-butene	U		0.000901	0.00290	1	09/02/2017 21:10	WG1016411
2,2-Dichloropropane	U		0.000323	0.00116	1	09/02/2017 21:10	WG1016411
Di-isopropyl ether	U		0.000287	0.00116	1	09/02/2017 21:10	WG1016411
Ethylbenzene	U		0.000344	0.00116	1	09/02/2017 21:10	WG1016411
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/02/2017 21:10	WG1016411
2-Hexanone	U		0.00159	0.0116	1	09/02/2017 21:10	WG1016411
n-Hexane	0.000364	J	0.000336	0.0116	1	09/02/2017 21:10	WG1016411
Iodomethane	U		0.00293	0.0116	1	09/02/2017 21:10	WG1016411
Isopropylbenzene	U		0.000281	0.00116	1	09/02/2017 21:10	WG1016411
p-Isopropyltoluene	U		0.000236	0.00116	1	09/02/2017 21:10	WG1016411
2-Butanone (MEK)	U		0.00542	0.0116	1	09/02/2017 21:10	WG1016411
Methylene Chloride	U		0.00116	0.00579	1	09/02/2017 21:10	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/02/2017 21:10	WG1016411

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

Analyte	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	09/02/2017 21:10	WG1016411
Naphthalene	U		0.00116	0.00579	1	09/02/2017 21:10	WG1016411
n-Propylbenzene	U	J4	0.000239	0.00116	1	09/02/2017 21:10	WG1016411
Styrene	U		0.000271	0.00116	1	09/02/2017 21:10	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/02/2017 21:10	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/02/2017 21:10	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/02/2017 21:10	WG1016411
Tetrachloroethene	U		0.000320	0.00116	1	09/02/2017 21:10	WG1016411
Toluene	U		0.000503	0.00579	1	09/02/2017 21:10	WG1016411
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/02/2017 21:10	WG1016411
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	09/02/2017 21:10	WG1016411
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/02/2017 21:10	WG1016411
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/02/2017 21:10	WG1016411
Trichloroethene	U		0.000323	0.00116	1	09/02/2017 21:10	WG1016411
Trichlorofluoromethane	U		0.000442	0.00579	1	09/02/2017 21:10	WG1016411
1,2,3-Trichloropropane	U		0.000858	0.00290	1	09/02/2017 21:10	WG1016411
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/02/2017 21:10	WG1016411
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/02/2017 21:10	WG1016411
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/02/2017 21:10	WG1016411
Vinyl acetate	U		0.00277	0.0116	1	09/02/2017 21:10	WG1016411
Vinyl chloride	U		0.000337	0.00116	1	09/02/2017 21:10	WG1016411
Xylenes, Total	U		0.000808	0.00347	1	09/02/2017 21:10	WG1016411
(S) Toluene-d8	*96.8*			*80.0-120*		*09/02/2017 21:10*	WG1016411
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/02/2017 21:10*	WG1016411
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/02/2017 21:10*	WG1016411

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	09/08/2017 09:23	WG1017807

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	09/05/2017 20:19	WG1016832
(S) a,a,a-Trifluorotoluene(FID)	*98.3*			*77.0-120*		*09/05/2017 20:19*	WG1016832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.283	1.41	25	09/05/2017 16:45	WG1016411
Acrylonitrile	U		0.0507	0.283	25	09/05/2017 16:45	WG1016411
Benzene	U		0.00764	0.0283	25	09/05/2017 16:45	WG1016411
Bromobenzene	U		0.00803	0.0283	25	09/05/2017 16:45	WG1016411
Bromodichloromethane	U		0.00719	0.0283	25	09/05/2017 16:45	WG1016411
Bromochloromethane	U		0.0110	0.141	25	09/05/2017 16:45	WG1016411
Bromoform	U		0.0120	0.0283	25	09/05/2017 16:45	WG1016411
Bromomethane	U		0.0379	0.141	25	09/05/2017 16:45	WG1016411
n-Butylbenzene	U		0.00730	0.0283	25	09/05/2017 16:45	WG1016411
sec-Butylbenzene	U	J4	0.00568	0.0283	25	09/05/2017 16:45	WG1016411
tert-Butylbenzene	U		0.00583	0.0283	25	09/05/2017 16:45	WG1016411
Carbon disulfide	U		0.00625	0.0283	25	09/05/2017 16:45	WG1016411
Carbon tetrachloride	U		0.00928	0.0283	25	09/05/2017 16:45	WG1016411
Chlorobenzene	U		0.00600	0.0283	25	09/05/2017 16:45	WG1016411
Chlorodibromomethane	U		0.0105	0.0283	25	09/05/2017 16:45	WG1016411
Chloroethane	U		0.0267	0.141	25	09/05/2017 16:45	WG1016411
Chloroform	U		0.00647	0.141	25	09/05/2017 16:45	WG1016411
Chloromethane	U		0.0106	0.0707	25	09/05/2017 16:45	WG1016411
2-Chlorotoluene	U		0.00851	0.0283	25	09/05/2017 16:45	WG1016411
4-Chlorotoluene	U		0.00679	0.0283	25	09/05/2017 16:45	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.0296	0.141	25	09/05/2017 16:45	WG1016411
1,2-Dibromoethane	U		0.00971	0.0283	25	09/05/2017 16:45	WG1016411
Dibromomethane	U		0.0108	0.0283	25	09/05/2017 16:45	WG1016411
1,2-Dichlorobenzene	U		0.00862	0.0283	25	09/05/2017 16:45	WG1016411
1,3-Dichlorobenzene	U		0.00677	0.0283	25	09/05/2017 16:45	WG1016411
1,4-Dichlorobenzene	U		0.00639	0.0283	25	09/05/2017 16:45	WG1016411
Dichlorodifluoromethane	U		0.0201	0.141	25	09/05/2017 16:45	WG1016411
1,1-Dichloroethane	U		0.00564	0.0283	25	09/05/2017 16:45	WG1016411
1,2-Dichloroethane	U		0.00749	0.0283	25	09/05/2017 16:45	WG1016411
1,1-Dichloroethene	U		0.00858	0.0283	25	09/05/2017 16:45	WG1016411
cis-1,2-Dichloroethene	0.00753	J	0.00665	0.0283	25	09/05/2017 16:45	WG1016411
trans-1,2-Dichloroethene	U		0.00747	0.0283	25	09/05/2017 16:45	WG1016411
1,2-Dichloropropane	U		0.0101	0.0283	25	09/05/2017 16:45	WG1016411
1,1-Dichloropropene	U		0.00896	0.0283	25	09/05/2017 16:45	WG1016411
1,3-Dichloropropane	U		0.00586	0.0283	25	09/05/2017 16:45	WG1016411
cis-1,3-Dichloropropene	U		0.00741	0.0283	25	09/05/2017 16:45	WG1016411
trans-1,3-Dichloropropene	U		0.00756	0.0283	25	09/05/2017 16:45	WG1016411
trans-1,4-Dichloro-2-butene	U		0.0220	0.0707	25	09/05/2017 16:45	WG1016411
2,2-Dichloropropane	U		0.00790	0.0283	25	09/05/2017 16:45	WG1016411
Di-isopropyl ether	U		0.00702	0.0283	25	09/05/2017 16:45	WG1016411
Ethylbenzene	U		0.00840	0.0283	25	09/05/2017 16:45	WG1016411
Hexachloro-1,3-butadiene	U		0.00968	0.0283	25	09/05/2017 16:45	WG1016411
2-Hexanone	U		0.0387	0.283	25	09/05/2017 16:45	WG1016411
n-Hexane	0.0117	J	0.00820	0.283	25	09/05/2017 16:45	WG1016411

Volatile Organic Compounds (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		0.0715	0.283	25	09/05/2017 16:45	WG1016411
Isopropylbenzene	U		0.00688	0.0283	25	09/05/2017 16:45	WG1016411
p-Isopropyltoluene	U		0.00577	0.0283	25	09/05/2017 16:45	WG1016411
2-Butanone (MEK)	U		0.132	0.283	25	09/05/2017 16:45	WG1016411
Methylene Chloride	U		0.0283	0.141	25	09/05/2017 16:45	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.0532	0.283	25	09/05/2017 16:45	WG1016411
Methyl tert-butyl ether	U		0.00600	0.0283	25	09/05/2017 16:45	WG1016411
Naphthalene	U		0.0283	0.141	25	09/05/2017 16:45	WG1016411
n-Propylbenzene	U	J4	0.00583	0.0283	25	09/05/2017 16:45	WG1016411
Styrene	U		0.00662	0.0283	25	09/05/2017 16:45	WG1016411
1,1,1,2-Tetrachloroethane	U		0.00747	0.0283	25	09/05/2017 16:45	WG1016411
1,1,2,2-Tetrachloroethane	U		0.0103	0.0283	25	09/05/2017 16:45	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0283	25	09/05/2017 16:45	WG1016411
Tetrachloroethene	U		0.00781	0.0283	25	09/05/2017 16:45	WG1016411
Toluene	U		0.0122	0.141	25	09/05/2017 16:45	WG1016411
1,2,3-Trichlorobenzene	U		0.00866	0.0283	25	09/05/2017 16:45	WG1016411
1,2,4-Trichlorobenzene	U		0.0110	0.0283	25	09/05/2017 16:45	WG1016411
1,1,1-Trichloroethane	U		0.00809	0.0283	25	09/05/2017 16:45	WG1016411
1,1,2-Trichloroethane	U		0.00783	0.0283	25	09/05/2017 16:45	WG1016411
Trichloroethene	U		0.00790	0.0283	25	09/05/2017 16:45	WG1016411
Trichlorofluoromethane	U		0.0108	0.141	25	09/05/2017 16:45	WG1016411
1,2,3-Trichloropropane	U		0.0209	0.0707	25	09/05/2017 16:45	WG1016411
1,2,4-Trimethylbenzene	U		0.00597	0.0283	25	09/05/2017 16:45	WG1016411
1,2,3-Trimethylbenzene	U		0.00813	0.0283	25	09/05/2017 16:45	WG1016411
1,3,5-Trimethylbenzene	U		0.00753	0.0283	25	09/05/2017 16:45	WG1016411
Vinyl acetate	U		0.0677	0.283	25	09/05/2017 16:45	WG1016411
Vinyl chloride	U		0.00824	0.0283	25	09/05/2017 16:45	WG1016411
Xylenes, Total	U		0.0197	0.0849	25	09/05/2017 16:45	WG1016411
(S) Toluene-d8	*101*			*80.0-120*		*09/05/2017 16:45*	WG1016411
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*09/05/2017 16:45*	WG1016411
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*09/05/2017 16:45*	WG1016411

Sample Narrative:

L933455-04 WG1016411: No low level sodium bisulfite vial remaining.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	09/08/2017 09:23	WG1017807

Volatile Organic Compounds (GC/MS) 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	0.0565	1	09/05/2017 17:11	WG1016411
Acrylonitrile	U		0.00202	0.0113	1	09/05/2017 17:11	WG1016411
Benzene	U		0.000305	0.00113	1	09/05/2017 17:11	WG1016411
Bromobenzene	U		0.000321	0.00113	1	09/05/2017 17:11	WG1016411
Bromodichloromethane	U		0.000287	0.00113	1	09/05/2017 17:11	WG1016411
Bromochloromethane	U		0.000441	0.00565	1	09/05/2017 17:11	WG1016411
Bromoform	U		0.000479	0.00113	1	09/05/2017 17:11	WG1016411
Bromomethane	U		0.00152	0.00565	1	09/05/2017 17:11	WG1016411
n-Butylbenzene	U		0.000292	0.00113	1	09/05/2017 17:11	WG1016411
sec-Butylbenzene	U	J4	0.000227	0.00113	1	09/05/2017 17:11	WG1016411
tert-Butylbenzene	U		0.000233	0.00113	1	09/05/2017 17:11	WG1016411
Carbon disulfide	U		0.000250	0.00113	1	09/05/2017 17:11	WG1016411
Carbon tetrachloride	U		0.000371	0.00113	1	09/05/2017 17:11	WG1016411
Chlorobenzene	U		0.000240	0.00113	1	09/05/2017 17:11	WG1016411
Chlorodibromomethane	U		0.000422	0.00113	1	09/05/2017 17:11	WG1016411
Chloroethane	U		0.00107	0.00565	1	09/05/2017 17:11	WG1016411
Chloroform	U		0.000259	0.00565	1	09/05/2017 17:11	WG1016411
Chloromethane	U		0.000424	0.00283	1	09/05/2017 17:11	WG1016411
2-Chlorotoluene	U		0.000340	0.00113	1	09/05/2017 17:11	WG1016411
4-Chlorotoluene	U		0.000271	0.00113	1	09/05/2017 17:11	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	09/05/2017 17:11	WG1016411
1,2-Dibromoethane	U		0.000388	0.00113	1	09/05/2017 17:11	WG1016411
Dibromomethane	U		0.000432	0.00113	1	09/05/2017 17:11	WG1016411
1,2-Dichlorobenzene	U		0.000345	0.00113	1	09/05/2017 17:11	WG1016411
1,3-Dichlorobenzene	U		0.000270	0.00113	1	09/05/2017 17:11	WG1016411
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/05/2017 17:11	WG1016411
Dichlorodifluoromethane	U		0.000806	0.00565	1	09/05/2017 17:11	WG1016411
1,1-Dichloroethane	U		0.000225	0.00113	1	09/05/2017 17:11	WG1016411
1,2-Dichloroethane	U		0.000300	0.00113	1	09/05/2017 17:11	WG1016411
1,1-Dichloroethene	U		0.000343	0.00113	1	09/05/2017 17:11	WG1016411
cis-1,2-Dichloroethene	U		0.000266	0.00113	1	09/05/2017 17:11	WG1016411
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	09/05/2017 17:11	WG1016411
1,2-Dichloropropane	U		0.000405	0.00113	1	09/05/2017 17:11	WG1016411
1,1-Dichloropropene	U		0.000358	0.00113	1	09/05/2017 17:11	WG1016411
1,3-Dichloropropane	U		0.000234	0.00113	1	09/05/2017 17:11	WG1016411
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	09/05/2017 17:11	WG1016411
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	09/05/2017 17:11	WG1016411
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	09/05/2017 17:11	WG1016411
2,2-Dichloropropane	U		0.000315	0.00113	1	09/05/2017 17:11	WG1016411
Di-isopropyl ether	U		0.000280	0.00113	1	09/05/2017 17:11	WG1016411
Ethylbenzene	U		0.000336	0.00113	1	09/05/2017 17:11	WG1016411
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	09/05/2017 17:11	WG1016411
2-Hexanone	U		0.00155	0.0113	1	09/05/2017 17:11	WG1016411
n-Hexane	0.000357	J	0.000328	0.0113	1	09/05/2017 17:11	WG1016411
Iodomethane	U		0.00286	0.0113	1	09/05/2017 17:11	WG1016411
Isopropylbenzene	U		0.000275	0.00113	1	09/05/2017 17:11	WG1016411
p-Isopropyltoluene	U		0.000231	0.00113	1	09/05/2017 17:11	WG1016411
2-Butanone (MEK)	U		0.00529	0.0113	1	09/05/2017 17:11	WG1016411
Methylene Chloride	U		0.00113	0.00565	1	09/05/2017 17:11	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	09/05/2017 17:11	WG1016411

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

Analyte	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	09/05/2017 17:11	WG1016411
Naphthalene	U		0.00113	0.00565	1	09/05/2017 17:11	WG1016411
n-Propylbenzene	U	J4	0.000233	0.00113	1	09/05/2017 17:11	WG1016411
Styrene	U		0.000265	0.00113	1	09/05/2017 17:11	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	09/05/2017 17:11	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	09/05/2017 17:11	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	09/05/2017 17:11	WG1016411
Tetrachloroethene	U		0.000312	0.00113	1	09/05/2017 17:11	WG1016411
Toluene	U		0.000491	0.00565	1	09/05/2017 17:11	WG1016411
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	09/05/2017 17:11	WG1016411
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	09/05/2017 17:11	WG1016411
1,1,1-Trichloroethane	U		0.000323	0.00113	1	09/05/2017 17:11	WG1016411
1,1,2-Trichloroethane	U		0.000313	0.00113	1	09/05/2017 17:11	WG1016411
Trichloroethene	U		0.000315	0.00113	1	09/05/2017 17:11	WG1016411
Trichlorofluoromethane	U		0.000432	0.00565	1	09/05/2017 17:11	WG1016411
1,2,3-Trichloropropane	U		0.000838	0.00283	1	09/05/2017 17:11	WG1016411
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	09/05/2017 17:11	WG1016411
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	09/05/2017 17:11	WG1016411
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	09/05/2017 17:11	WG1016411
Vinyl acetate	U		0.00270	0.0113	1	09/05/2017 17:11	WG1016411
Vinyl chloride	U		0.000329	0.00113	1	09/05/2017 17:11	WG1016411
Xylenes, Total	U		0.000789	0.00339	1	09/05/2017 17:11	WG1016411
(S) Toluene-d8	*95.1*			*80.0-120*		*09/05/2017 17:11*	WG1016411
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/05/2017 17:11*	WG1016411
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/05/2017 17:11*	WG1016411

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	09/08/2017 09:23	WG1017807

Volatile Organic Compounds (GC/MS) 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	0.282	1.41	25	09/06/2017 12:42	WG1016411
Acrylonitrile	U		0.0506	0.282	25	09/06/2017 12:42	WG1016411
Benzene	U		0.00762	0.0282	25	09/06/2017 12:42	WG1016411
Bromobenzene	U	J0	0.00802	0.0282	25	09/06/2017 12:42	WG1016411
Bromodichloromethane	U		0.00717	0.0282	25	09/06/2017 12:42	WG1016411
Bromochloromethane	U		0.0110	0.141	25	09/06/2017 12:42	WG1016411
Bromoform	U		0.0120	0.0282	25	09/06/2017 12:42	WG1016411
Bromomethane	U		0.0378	0.141	25	09/06/2017 12:42	WG1016411
n-Butylbenzene	U		0.00728	0.0282	25	09/06/2017 12:42	WG1016411
sec-Butylbenzene	U	J4	0.00567	0.0282	25	09/06/2017 12:42	WG1016411
tert-Butylbenzene	U		0.00582	0.0282	25	09/06/2017 12:42	WG1016411
Carbon disulfide	U		0.00623	0.0282	25	09/06/2017 12:42	WG1016411
Carbon tetrachloride	U		0.00926	0.0282	25	09/06/2017 12:42	WG1016411
Chlorobenzene	U		0.00599	0.0282	25	09/06/2017 12:42	WG1016411
Chlorodibromomethane	U		0.0105	0.0282	25	09/06/2017 12:42	WG1016411
Chloroethane	U	J0	0.0267	0.141	25	09/06/2017 12:42	WG1016411
Chloroform	U		0.00646	0.141	25	09/06/2017 12:42	WG1016411
Chloromethane	U	J0	0.0106	0.0706	25	09/06/2017 12:42	WG1016411
2-Chlorotoluene	U		0.00849	0.0282	25	09/06/2017 12:42	WG1016411
4-Chlorotoluene	U		0.00678	0.0282	25	09/06/2017 12:42	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.0296	0.141	25	09/06/2017 12:42	WG1016411
1,2-Dibromoethane	U		0.00969	0.0282	25	09/06/2017 12:42	WG1016411
Dibromomethane	U		0.0108	0.0282	25	09/06/2017 12:42	WG1016411
1,2-Dichlorobenzene	U		0.00861	0.0282	25	09/06/2017 12:42	WG1016411
1,3-Dichlorobenzene	U		0.00675	0.0282	25	09/06/2017 12:42	WG1016411
1,4-Dichlorobenzene	U		0.00638	0.0282	25	09/06/2017 12:42	WG1016411
Dichlorodifluoromethane	U		0.0201	0.141	25	09/06/2017 12:42	WG1016411
1,1-Dichloroethane	U		0.00562	0.0282	25	09/06/2017 12:42	WG1016411
1,2-Dichloroethane	U		0.00748	0.0282	25	09/06/2017 12:42	WG1016411
1,1-Dichloroethene	U		0.00856	0.0282	25	09/06/2017 12:42	WG1016411
cis-1,2-Dichloroethene	U		0.00664	0.0282	25	09/06/2017 12:42	WG1016411
trans-1,2-Dichloroethene	U		0.00745	0.0282	25	09/06/2017 12:42	WG1016411
1,2-Dichloropropane	U		0.0101	0.0282	25	09/06/2017 12:42	WG1016411
1,1-Dichloropropene	U		0.00894	0.0282	25	09/06/2017 12:42	WG1016411
1,3-Dichloropropane	U		0.00585	0.0282	25	09/06/2017 12:42	WG1016411
cis-1,3-Dichloropropene	U		0.00740	0.0282	25	09/06/2017 12:42	WG1016411
trans-1,3-Dichloropropene	U		0.00754	0.0282	25	09/06/2017 12:42	WG1016411
trans-1,4-Dichloro-2-butene	U	J0	0.0219	0.0706	25	09/06/2017 12:42	WG1016411
2,2-Dichloropropane	U		0.00788	0.0282	25	09/06/2017 12:42	WG1016411
Di-isopropyl ether	U	J0	0.00700	0.0282	25	09/06/2017 12:42	WG1016411
Ethylbenzene	U		0.00838	0.0282	25	09/06/2017 12:42	WG1016411
Hexachloro-1,3-butadiene	U		0.00966	0.0282	25	09/06/2017 12:42	WG1016411
2-Hexanone	U		0.0386	0.282	25	09/06/2017 12:42	WG1016411
n-Hexane	0.0157	J J0	0.00819	0.282	25	09/06/2017 12:42	WG1016411
Iodomethane	U		0.0714	0.282	25	09/06/2017 12:42	WG1016411
Isopropylbenzene	U		0.00687	0.0282	25	09/06/2017 12:42	WG1016411
p-Isopropyltoluene	U		0.00576	0.0282	25	09/06/2017 12:42	WG1016411
2-Butanone (MEK)	U	J0	0.132	0.282	25	09/06/2017 12:42	WG1016411
Methylene Chloride	U		0.0282	0.141	25	09/06/2017 12:42	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.0531	0.282	25	09/06/2017 12:42	WG1016411

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00599	0.0282	25	09/06/2017 12:42	WG1016411
Naphthalene	U		0.0282	0.141	25	09/06/2017 12:42	WG1016411
n-Propylbenzene	U	J4	0.00582	0.0282	25	09/06/2017 12:42	WG1016411
Styrene	U		0.00661	0.0282	25	09/06/2017 12:42	WG1016411
1,1,1,2-Tetrachloroethane	U		0.00745	0.0282	25	09/06/2017 12:42	WG1016411
1,1,2,2-Tetrachloroethane	U		0.0103	0.0282	25	09/06/2017 12:42	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0282	25	09/06/2017 12:42	WG1016411
Tetrachloroethene	U		0.00779	0.0282	25	09/06/2017 12:42	WG1016411
Toluene	U		0.0122	0.141	25	09/06/2017 12:42	WG1016411
1,2,3-Trichlorobenzene	U		0.00864	0.0282	25	09/06/2017 12:42	WG1016411
1,2,4-Trichlorobenzene	U		0.0110	0.0282	25	09/06/2017 12:42	WG1016411
1,1,1-Trichloroethane	U		0.00808	0.0282	25	09/06/2017 12:42	WG1016411
1,1,2-Trichloroethane	U		0.00782	0.0282	25	09/06/2017 12:42	WG1016411
Trichloroethene	U		0.00788	0.0282	25	09/06/2017 12:42	WG1016411
Trichlorofluoromethane	U		0.0108	0.141	25	09/06/2017 12:42	WG1016411
1,2,3-Trichloropropane	U		0.0209	0.0706	25	09/06/2017 12:42	WG1016411
1,2,4-Trimethylbenzene	U		0.00596	0.0282	25	09/06/2017 12:42	WG1016411
1,2,3-Trimethylbenzene	U		0.00811	0.0282	25	09/06/2017 12:42	WG1016411
1,3,5-Trimethylbenzene	U		0.00751	0.0282	25	09/06/2017 12:42	WG1016411
Vinyl acetate	U		0.0675	0.282	25	09/06/2017 12:42	WG1016411
Vinyl chloride	U		0.00822	0.0282	25	09/06/2017 12:42	WG1016411
Xylenes, Total	U		0.0197	0.0847	25	09/06/2017 12:42	WG1016411
(S) Toluene-d8	*113*			*80.0-120*		*09/06/2017 12:42*	WG1016411
(S) Dibromofluoromethane	*89.7*			*74.0-131*		*09/06/2017 12:42*	WG1016411
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*09/06/2017 12:42*	WG1016411

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/07/2017 16:54	WG1017937

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0138	J	0.0110	0.0549	1	09/05/2017 18:02	WG1016411
Acrylonitrile	U		0.00197	0.0110	1	09/05/2017 18:02	WG1016411
Benzene	0.000533	J	0.000296	0.00110	1	09/05/2017 18:02	WG1016411
Bromobenzene	U		0.000312	0.00110	1	09/05/2017 18:02	WG1016411
Bromodichloromethane	U		0.000279	0.00110	1	09/05/2017 18:02	WG1016411
Bromochloromethane	U		0.000428	0.00549	1	09/05/2017 18:02	WG1016411
Bromoform	U		0.000466	0.00110	1	09/05/2017 18:02	WG1016411
Bromomethane	U		0.00147	0.00549	1	09/05/2017 18:02	WG1016411
n-Butylbenzene	U		0.000283	0.00110	1	09/05/2017 18:02	WG1016411
sec-Butylbenzene	U	J4	0.000221	0.00110	1	09/05/2017 18:02	WG1016411
tert-Butylbenzene	U		0.000226	0.00110	1	09/05/2017 18:02	WG1016411
Carbon disulfide	0.000859	J	0.000243	0.00110	1	09/05/2017 18:02	WG1016411
Carbon tetrachloride	U		0.000360	0.00110	1	09/05/2017 18:02	WG1016411
Chlorobenzene	U		0.000233	0.00110	1	09/05/2017 18:02	WG1016411
Chlorodibromomethane	U		0.000410	0.00110	1	09/05/2017 18:02	WG1016411
Chloroethane	U		0.00104	0.00549	1	09/05/2017 18:02	WG1016411
Chloroform	U		0.000251	0.00549	1	09/05/2017 18:02	WG1016411
Chloromethane	U		0.000412	0.00274	1	09/05/2017 18:02	WG1016411
2-Chlorotoluene	U		0.000330	0.00110	1	09/05/2017 18:02	WG1016411
4-Chlorotoluene	U		0.000264	0.00110	1	09/05/2017 18:02	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	09/05/2017 18:02	WG1016411
1,2-Dibromoethane	U		0.000377	0.00110	1	09/05/2017 18:02	WG1016411
Dibromomethane	U		0.000419	0.00110	1	09/05/2017 18:02	WG1016411
1,2-Dichlorobenzene	U		0.000335	0.00110	1	09/05/2017 18:02	WG1016411
1,3-Dichlorobenzene	U		0.000262	0.00110	1	09/05/2017 18:02	WG1016411
1,4-Dichlorobenzene	U		0.000248	0.00110	1	09/05/2017 18:02	WG1016411
Dichlorodifluoromethane	U		0.000783	0.00549	1	09/05/2017 18:02	WG1016411
1,1-Dichloroethane	U		0.000218	0.00110	1	09/05/2017 18:02	WG1016411
1,2-Dichloroethane	U		0.000291	0.00110	1	09/05/2017 18:02	WG1016411
1,1-Dichloroethene	U		0.000333	0.00110	1	09/05/2017 18:02	WG1016411
cis-1,2-Dichloroethene	U		0.000258	0.00110	1	09/05/2017 18:02	WG1016411
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	09/05/2017 18:02	WG1016411
1,2-Dichloropropane	U		0.000393	0.00110	1	09/05/2017 18:02	WG1016411
1,1-Dichloropropene	U		0.000348	0.00110	1	09/05/2017 18:02	WG1016411
1,3-Dichloropropane	U		0.000227	0.00110	1	09/05/2017 18:02	WG1016411
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	09/05/2017 18:02	WG1016411
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	09/05/2017 18:02	WG1016411
trans-1,4-Dichloro-2-butene	U		0.000854	0.00274	1	09/05/2017 18:02	WG1016411
2,2-Dichloropropane	U		0.000306	0.00110	1	09/05/2017 18:02	WG1016411
Di-isopropyl ether	U		0.000272	0.00110	1	09/05/2017 18:02	WG1016411
Ethylbenzene	U		0.000326	0.00110	1	09/05/2017 18:02	WG1016411
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	09/05/2017 18:02	WG1016411
2-Hexanone	U		0.00150	0.0110	1	09/05/2017 18:02	WG1016411
n-Hexane	U		0.000318	0.0110	1	09/05/2017 18:02	WG1016411
Iodomethane	U		0.00278	0.0110	1	09/05/2017 18:02	WG1016411
Isopropylbenzene	U		0.000267	0.00110	1	09/05/2017 18:02	WG1016411
p-Isopropyltoluene	U		0.000224	0.00110	1	09/05/2017 18:02	WG1016411
2-Butanone (MEK)	U		0.00514	0.0110	1	09/05/2017 18:02	WG1016411
Methylene Chloride	U		0.00110	0.00549	1	09/05/2017 18:02	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	09/05/2017 18:02	WG1016411

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

Analyte	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	09/05/2017 18:02	WG1016411
Naphthalene	U		0.00110	0.00549	1	09/05/2017 18:02	WG1016411
n-Propylbenzene	U	J4	0.000226	0.00110	1	09/05/2017 18:02	WG1016411
Styrene	U		0.000257	0.00110	1	09/05/2017 18:02	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	09/05/2017 18:02	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	09/05/2017 18:02	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	09/05/2017 18:02	WG1016411
Tetrachloroethene	U		0.000303	0.00110	1	09/05/2017 18:02	WG1016411
Toluene	U		0.000477	0.00549	1	09/05/2017 18:02	WG1016411
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	09/05/2017 18:02	WG1016411
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	09/05/2017 18:02	WG1016411
1,1,1-Trichloroethane	U		0.000314	0.00110	1	09/05/2017 18:02	WG1016411
1,1,2-Trichloroethane	U		0.000304	0.00110	1	09/05/2017 18:02	WG1016411
Trichloroethene	U		0.000306	0.00110	1	09/05/2017 18:02	WG1016411
Trichlorofluoromethane	U		0.000419	0.00549	1	09/05/2017 18:02	WG1016411
1,2,3-Trichloropropane	U		0.000814	0.00274	1	09/05/2017 18:02	WG1016411
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/05/2017 18:02	WG1016411
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	09/05/2017 18:02	WG1016411
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	09/05/2017 18:02	WG1016411
Vinyl acetate	U		0.00262	0.0110	1	09/05/2017 18:02	WG1016411
Vinyl chloride	U		0.000319	0.00110	1	09/05/2017 18:02	WG1016411
Xylenes, Total	U		0.000766	0.00329	1	09/05/2017 18:02	WG1016411
(S) Toluene-d8	*95.7*			*80.0-120*		*09/05/2017 18:02*	WG1016411
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/05/2017 18:02*	WG1016411
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/05/2017 18:02*	WG1016411

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

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	745		158	500	5	09/03/2017 18:37	WG1016529
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*77.0-122*		*09/03/2017 18:37*	WG1016529

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	44.6	J	5.25	125	5	09/02/2017 17:10	WG1016388
Acrylonitrile	U		4.36	25.0	5	09/02/2017 17:10	WG1016388
Benzene	0.658	J	0.448	2.50	5	09/02/2017 17:10	WG1016388
Bromobenzene	U		0.665	2.50	5	09/02/2017 17:10	WG1016388
Bromodichloromethane	U		0.400	2.50	5	09/02/2017 17:10	WG1016388
Bromochloromethane	U		0.725	2.50	5	09/02/2017 17:10	WG1016388
Bromoform	U		0.930	2.50	5	09/02/2017 17:10	WG1016388
Bromomethane	U		0.785	12.5	5	09/02/2017 17:10	WG1016388
n-Butylbenzene	U		0.715	2.50	5	09/02/2017 17:10	WG1016388
sec-Butylbenzene	U		0.670	2.50	5	09/02/2017 17:10	WG1016388
tert-Butylbenzene	U		0.915	2.50	5	09/02/2017 17:10	WG1016388
Carbon disulfide	U		0.505	2.50	5	09/02/2017 17:10	WG1016388
Carbon tetrachloride	U		0.795	2.50	5	09/02/2017 17:10	WG1016388
Chlorobenzene	U		0.700	2.50	5	09/02/2017 17:10	WG1016388
Chlorodibromomethane	U		0.640	2.50	5	09/02/2017 17:10	WG1016388
Chloroethane	U		0.705	12.5	5	09/02/2017 17:10	WG1016388
Chloroform	U		0.430	2.50	5	09/02/2017 17:10	WG1016388
Chloromethane	U		0.765	6.25	5	09/02/2017 17:10	WG1016388
2-Chlorotoluene	U		0.555	2.50	5	09/02/2017 17:10	WG1016388
4-Chlorotoluene	U		0.486	2.50	5	09/02/2017 17:10	WG1016388
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	09/02/2017 17:10	WG1016388
1,2-Dibromoethane	U		0.965	2.50	5	09/02/2017 17:10	WG1016388
Dibromomethane	U		0.585	2.50	5	09/02/2017 17:10	WG1016388
1,2-Dichlorobenzene	U		0.505	2.50	5	09/02/2017 17:10	WG1016388
1,3-Dichlorobenzene	U		0.650	2.50	5	09/02/2017 17:10	WG1016388
1,4-Dichlorobenzene	U		0.605	2.50	5	09/02/2017 17:10	WG1016388
Dichlorodifluoromethane	U		0.635	12.5	5	09/02/2017 17:10	WG1016388
1,1-Dichloroethane	U		0.570	2.50	5	09/02/2017 17:10	WG1016388
1,2-Dichloroethane	U		0.540	2.50	5	09/02/2017 17:10	WG1016388
1,1-Dichloroethene	U		0.940	2.50	5	09/02/2017 17:10	WG1016388
cis-1,2-Dichloroethene	4.46		0.466	2.50	5	09/02/2017 17:10	WG1016388
trans-1,2-Dichloroethene	U		0.760	2.50	5	09/02/2017 17:10	WG1016388
1,2-Dichloropropane	U		0.950	2.50	5	09/02/2017 17:10	WG1016388
1,1-Dichloropropene	U		0.640	2.50	5	09/02/2017 17:10	WG1016388
1,3-Dichloropropane	U		0.735	5.00	5	09/02/2017 17:10	WG1016388
cis-1,3-Dichloropropene	U		0.488	2.50	5	09/02/2017 17:10	WG1016388
trans-1,3-Dichloropropene	U		1.11	2.50	5	09/02/2017 17:10	WG1016388
trans-1,4-Dichloro-2-butene	U		1.28	25.0	5	09/02/2017 17:10	WG1016388
2,2-Dichloropropane	U		0.464	2.50	5	09/02/2017 17:10	WG1016388
Di-isopropyl ether	U		0.462	2.50	5	09/02/2017 17:10	WG1016388
Ethylbenzene	U		0.790	2.50	5	09/02/2017 17:10	WG1016388
Hexachloro-1,3-butadiene	U		0.785	5.00	5	09/02/2017 17:10	WG1016388
2-Hexanone	U		3.78	25.0	5	09/02/2017 17:10	WG1016388
n-Hexane	2.43	J	1.52	25.0	5	09/02/2017 17:10	WG1016388
Iodomethane	U		1.88	50.0	5	09/02/2017 17:10	WG1016388
Isopropylbenzene	U		0.630	2.50	5	09/02/2017 17:10	WG1016388
p-Isopropyltoluene	U		0.690	2.50	5	09/02/2017 17:10	WG1016388
2-Butanone (MEK)	12.2	J	6.40	25.0	5	09/02/2017 17:10	WG1016388

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		5.35	12.5	5	09/02/2017 17:10	WG1016388
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	09/02/2017 17:10	WG1016388
Methyl tert-butyl ether	U		0.510	2.50	5	09/02/2017 17:10	WG1016388
Naphthalene	U		0.870	12.5	5	09/02/2017 17:10	WG1016388
n-Propylbenzene	U		0.810	2.50	5	09/02/2017 17:10	WG1016388
Styrene	U		0.585	2.50	5	09/02/2017 17:10	WG1016388
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	09/02/2017 17:10	WG1016388
1,1,2,2-Tetrachloroethane	U		0.650	2.50	5	09/02/2017 17:10	WG1016388
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	09/02/2017 17:10	WG1016388
Tetrachloroethene	U		0.995	2.50	5	09/02/2017 17:10	WG1016388
Toluene	151		2.06	2.50	5	09/02/2017 17:10	WG1016388
1,2,3-Trichlorobenzene	U		0.820	2.50	5	09/02/2017 17:10	WG1016388
1,2,4-Trichlorobenzene	U		1.78	2.50	5	09/02/2017 17:10	WG1016388
1,1,1-Trichloroethane	U		0.470	2.50	5	09/02/2017 17:10	WG1016388
1,1,2-Trichloroethane	U		0.930	2.50	5	09/02/2017 17:10	WG1016388
Trichloroethene	U		0.765	2.50	5	09/02/2017 17:10	WG1016388
Trichlorofluoromethane	U		0.650	12.5	5	09/02/2017 17:10	WG1016388
1,2,3-Trichloropropane	U		1.24	12.5	5	09/02/2017 17:10	WG1016388
1,2,4-Trimethylbenzene	U		0.615	2.50	5	09/02/2017 17:10	WG1016388
1,2,3-Trimethylbenzene	U		0.370	2.50	5	09/02/2017 17:10	WG1016388
1,3,5-Trimethylbenzene	U		0.620	2.50	5	09/02/2017 17:10	WG1016388
Vinyl acetate	U		3.22	25.0	5	09/02/2017 17:10	WG1016388
Vinyl chloride	U		0.590	2.50	5	09/02/2017 17:10	WG1016388
Xylenes, Total	U		1.58	7.50	5	09/02/2017 17:10	WG1016388
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 17:10*	WG1016388
(S) Dibromofluoromethane	*105*			*76.0-123*		*09/02/2017 17:10*	WG1016388
(S) 4-Bromofluorobenzene	*99.0*			*80.0-120*		*09/02/2017 17:10*	WG1016388

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	631		31.6	100	1	09/03/2017 19:01	WG1016529
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-122*		*09/03/2017 19:01*	WG1016529

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	45.1	J	5.25	125	5	09/02/2017 17:30	WG1016388
Acrylonitrile	U		4.36	25.0	5	09/02/2017 17:30	WG1016388
Benzene	U		0.448	2.50	5	09/02/2017 17:30	WG1016388
Bromobenzene	U		0.665	2.50	5	09/02/2017 17:30	WG1016388
Bromodichloromethane	U		0.400	2.50	5	09/02/2017 17:30	WG1016388
Bromochloromethane	U		0.725	2.50	5	09/02/2017 17:30	WG1016388
Bromoform	U		0.930	2.50	5	09/02/2017 17:30	WG1016388
Bromomethane	U		0.785	12.5	5	09/02/2017 17:30	WG1016388
n-Butylbenzene	U		0.715	2.50	5	09/02/2017 17:30	WG1016388
sec-Butylbenzene	U		0.670	2.50	5	09/02/2017 17:30	WG1016388
tert-Butylbenzene	U		0.915	2.50	5	09/02/2017 17:30	WG1016388
Carbon disulfide	U		0.505	2.50	5	09/02/2017 17:30	WG1016388
Carbon tetrachloride	U		0.795	2.50	5	09/02/2017 17:30	WG1016388
Chlorobenzene	U		0.700	2.50	5	09/02/2017 17:30	WG1016388
Chlorodibromomethane	U		0.640	2.50	5	09/02/2017 17:30	WG1016388
Chloroethane	U		0.705	12.5	5	09/02/2017 17:30	WG1016388
Chloroform	U		0.430	2.50	5	09/02/2017 17:30	WG1016388
Chloromethane	U		0.765	6.25	5	09/02/2017 17:30	WG1016388
2-Chlorotoluene	U		0.555	2.50	5	09/02/2017 17:30	WG1016388
4-Chlorotoluene	U		0.486	2.50	5	09/02/2017 17:30	WG1016388
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	09/02/2017 17:30	WG1016388
1,2-Dibromoethane	U		0.965	2.50	5	09/02/2017 17:30	WG1016388
Dibromomethane	U		0.585	2.50	5	09/02/2017 17:30	WG1016388
1,2-Dichlorobenzene	U		0.505	2.50	5	09/02/2017 17:30	WG1016388
1,3-Dichlorobenzene	U		0.650	2.50	5	09/02/2017 17:30	WG1016388
1,4-Dichlorobenzene	U		0.605	2.50	5	09/02/2017 17:30	WG1016388
Dichlorodifluoromethane	U		0.635	12.5	5	09/02/2017 17:30	WG1016388
1,1-Dichloroethane	U		0.570	2.50	5	09/02/2017 17:30	WG1016388
1,2-Dichloroethane	U		0.540	2.50	5	09/02/2017 17:30	WG1016388
1,1-Dichloroethene	U		0.940	2.50	5	09/02/2017 17:30	WG1016388
cis-1,2-Dichloroethene	2.86		0.466	2.50	5	09/02/2017 17:30	WG1016388
trans-1,2-Dichloroethene	U		0.760	2.50	5	09/02/2017 17:30	WG1016388
1,2-Dichloropropane	U		0.950	2.50	5	09/02/2017 17:30	WG1016388
1,1-Dichloropropene	U		0.640	2.50	5	09/02/2017 17:30	WG1016388
1,3-Dichloropropane	U		0.735	5.00	5	09/02/2017 17:30	WG1016388
cis-1,3-Dichloropropene	U		0.488	2.50	5	09/02/2017 17:30	WG1016388
trans-1,3-Dichloropropene	U		1.11	2.50	5	09/02/2017 17:30	WG1016388
trans-1,4-Dichloro-2-butene	U		1.28	25.0	5	09/02/2017 17:30	WG1016388
2,2-Dichloropropane	U		0.464	2.50	5	09/02/2017 17:30	WG1016388
Di-isopropyl ether	U		0.462	2.50	5	09/02/2017 17:30	WG1016388
Ethylbenzene	U		0.790	2.50	5	09/02/2017 17:30	WG1016388
Hexachloro-1,3-butadiene	U		0.785	5.00	5	09/02/2017 17:30	WG1016388
2-Hexanone	U		3.78	25.0	5	09/02/2017 17:30	WG1016388
n-Hexane	U		1.52	25.0	5	09/02/2017 17:30	WG1016388
Iodomethane	U		1.88	50.0	5	09/02/2017 17:30	WG1016388
Isopropylbenzene	U		0.630	2.50	5	09/02/2017 17:30	WG1016388
p-Isopropyltoluene	U		0.690	2.50	5	09/02/2017 17:30	WG1016388
2-Butanone (MEK)	9.66	J	6.40	25.0	5	09/02/2017 17:30	WG1016388

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	
Methylene Chloride	U		5.35	12.5	5	09/02/2017 17:30	WG1016388
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	09/02/2017 17:30	WG1016388
Methyl tert-butyl ether	U		0.510	2.50	5	09/02/2017 17:30	WG1016388
Naphthalene	U		0.870	12.5	5	09/02/2017 17:30	WG1016388
n-Propylbenzene	U		0.810	2.50	5	09/02/2017 17:30	WG1016388
Styrene	U		0.585	2.50	5	09/02/2017 17:30	WG1016388
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	09/02/2017 17:30	WG1016388
1,1,2,2-Tetrachloroethane	U		0.650	2.50	5	09/02/2017 17:30	WG1016388
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	09/02/2017 17:30	WG1016388
Tetrachloroethene	U		0.995	2.50	5	09/02/2017 17:30	WG1016388
Toluene	105		2.06	2.50	5	09/02/2017 17:30	WG1016388
1,2,3-Trichlorobenzene	U		0.820	2.50	5	09/02/2017 17:30	WG1016388
1,2,4-Trichlorobenzene	U		1.78	2.50	5	09/02/2017 17:30	WG1016388
1,1,1-Trichloroethane	U		0.470	2.50	5	09/02/2017 17:30	WG1016388
1,1,2-Trichloroethane	U		0.930	2.50	5	09/02/2017 17:30	WG1016388
Trichloroethene	U		0.765	2.50	5	09/02/2017 17:30	WG1016388
Trichlorofluoromethane	U		0.650	12.5	5	09/02/2017 17:30	WG1016388
1,2,3-Trichloropropane	U		1.24	12.5	5	09/02/2017 17:30	WG1016388
1,2,4-Trimethylbenzene	U		0.615	2.50	5	09/02/2017 17:30	WG1016388
1,2,3-Trimethylbenzene	U		0.370	2.50	5	09/02/2017 17:30	WG1016388
1,3,5-Trimethylbenzene	U		0.620	2.50	5	09/02/2017 17:30	WG1016388
Vinyl acetate	U		3.22	25.0	5	09/02/2017 17:30	WG1016388
Vinyl chloride	U		0.590	2.50	5	09/02/2017 17:30	WG1016388
Xylenes, Total	U		1.58	7.50	5	09/02/2017 17:30	WG1016388
(S) Toluene-d8	*101*			*80.0-120*		*09/02/2017 17:30*	WG1016388
(S) Dibromofluoromethane	*103*			*76.0-123*		*09/02/2017 17:30*	WG1016388
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*09/02/2017 17:30*	WG1016388

Method Blank (MB)

(MB) R3248029-1 09/08/17 09:23

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000300			

L933455-01 Original Sample (OS) • Duplicate (DUP)

(OS) L933455-01 09/08/17 09:23 • (DUP) R3248029-3 09/08/17 09:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	85.0	83.9	1	1.31		5

Laboratory Control Sample (LCS)

(LCS) R3248029-2 09/08/17 09:23

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) R3247765-1 09/07/17 16:54

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000300			

L933455-07 Original Sample (OS) • Duplicate (DUP)

(OS) L933455-07 09/07/17 16:54 • (DUP) R3247765-3 09/07/17 16:54

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.1	91.3	1	0.229		5

Laboratory Control Sample (LCS)

(LCS) R3247765-2 09/07/17 16:54

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) R3247051-3 09/03/17 15:51

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)	*97.5*			*77.0-122*

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

(LCS) R3247051-1 09/03/17 14:16 • (LCSD) R3247051-2 09/03/17 15:03

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 %
Gasoline Range Organics-NWTPH	5500	5700	5650	104	103	72.0-134			0.890	20
(S) a,a,a-Trifluorotoluene(FID)				*110*	*110*	*77.0-122*				

L933750-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L933750-05 09/03/17 22:57 • (MS) R3247051-4 09/03/17 23:21 • (MSD) R3247051-5 09/03/17 23:44

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 %
Gasoline Range Organics-NWTPH	5500	45.0	6360	6300	115	114	1	23.0-159			0.810	20
(S) a,a,a-Trifluorotoluene(FID)					*108*	*109*		*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) R3247106-3 09/05/17 10:37

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)	*101*			*77.0-120*

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

(LCS) R3247106-1 09/05/17 09:31 • (LCSD) R3247106-2 09/05/17 09:53

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 %
TPHG C6 - C12	5.50	5.49	5.13	99.8	93.2	70.0-133			6.81	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*102*	*77.0-120*				

L933294-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L933294-01 09/05/17 17:22 • (MS) R3247106-4 09/05/17 12:14 • (MSD) R3247106-5 09/05/17 12:36

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 %
TPHG C6 - C12	5.50	20.0	114	136	68.7	84.3	25	10.0-146			17.2	30
(S) a,a,a-Trifluorotoluene(FID)					*102*	*102*		*77.0-120*				

Method Blank (MB)

(MB) R3247042-5 09/02/17 12:06

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) R3247042-5 09/02/17 12:06

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	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	*102*			*80.0-120*
(S) Dibromofluoromethane	*103*			*76.0-123*
(S) 4-Bromofluorobenzene	*102*			*80.0-120*

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

(LCS) R3247042-1 09/02/17 10:26 • (LCSD) R3247042-2 09/02/17 10:46

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	27.0	26.7	108	107	76.0-122			0.990	20
Carbon disulfide	25.0	27.7	27.4	111	110	55.0-127			0.800	20
Acetone	125	158	190	126	152	10.0-160			18.4	23
Acrylonitrile	125	142	139	114	111	60.0-142			2.20	20
trans-1,4-Dichloro-2-butene	25.0	24.7	24.2	98.7	97.0	55.0-134			1.72	20
Benzene	25.0	27.0	26.8	108	107	69.0-123			0.510	20
Bromobenzene	25.0	24.1	23.5	96.4	94.0	79.0-120			2.53	20
Bromodichloromethane	25.0	26.6	26.3	106	105	76.0-120			1.12	20
2-Hexanone	125	142	140	114	112	58.0-147			1.46	20
Bromoform	25.0	24.6	24.2	98.5	96.9	67.0-132			1.64	20
Bromomethane	25.0	26.3	26.7	105	107	18.0-160			1.66	20
n-Hexane	25.0	28.8	28.3	115	113	56.0-124			1.77	20
Iodomethane	125	139	139	112	111	57.0-140			0.660	20
n-Butylbenzene	25.0	29.0	28.3	116	113	72.0-126			2.23	20
sec-Butylbenzene	25.0	26.3	25.8	105	103	74.0-121			1.98	20
tert-Butylbenzene	25.0	25.7	25.4	103	101	75.0-122			1.37	20
Carbon tetrachloride	25.0	26.6	26.7	106	107	63.0-122			0.290	20
Chlorobenzene	25.0	25.4	25.2	101	101	79.0-121			0.550	20
Chlorodibromomethane	25.0	26.2	25.8	105	103	75.0-125			1.51	20
Chloroethane	25.0	26.7	26.4	107	106	47.0-152			1.22	20
Chloroform	25.0	27.2	27.2	109	109	72.0-121			0.0100	20
Chloromethane	25.0	24.9	24.9	99.7	99.6	48.0-139			0.100	20
2-Chlorotoluene	25.0	25.2	24.8	101	99.1	74.0-122			1.91	20
4-Chlorotoluene	25.0	25.1	24.6	100	98.4	79.0-120			2.10	20
1,2-Dibromo-3-Chloropropane	25.0	26.1	25.6	104	102	64.0-127			1.81	20
1,2-Dibromoethane	25.0	25.4	25.2	102	101	77.0-123			0.790	20
Dibromomethane	25.0	26.3	26.6	105	106	78.0-120			0.850	20
1,2-Dichlorobenzene	25.0	26.1	25.9	105	104	80.0-120			0.900	20
1,3-Dichlorobenzene	25.0	25.6	25.1	102	100	72.0-123			2.09	20
1,4-Dichlorobenzene	25.0	24.7	24.5	98.7	98.0	77.0-120			0.740	20
Dichlorodifluoromethane	25.0	27.7	26.7	111	107	49.0-155			3.73	20
1,1-Dichloroethane	25.0	28.0	27.6	112	110	70.0-126			1.51	20
1,2-Dichloroethane	25.0	28.4	28.7	114	115	67.0-126			0.940	20
1,1-Dichloroethene	25.0	28.0	28.0	112	112	64.0-129			0.0800	20
Vinyl acetate	125	179	179	143	143	46.0-160			0.0200	20
cis-1,2-Dichloroethene	25.0	26.8	26.7	107	107	73.0-120			0.320	20
trans-1,2-Dichloroethene	25.0	27.1	27.0	108	108	71.0-121			0.100	20
1,2-Dichloropropane	25.0	27.8	27.2	111	109	75.0-125			2.07	20
1,1-Dichloropropene	25.0	27.9	27.8	111	111	71.0-129			0.110	20
1,3-Dichloropropane	25.0	25.3	25.3	101	101	80.0-121			0.190	20

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

(LCS) R3247042-1 09/02/17 10:26 • (LCSD) R3247042-2 09/02/17 10:46

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	28.8	28.7	115	115	79.0-123			0.550	20
trans-1,3-Dichloropropene	25.0	28.4	28.2	114	113	74.0-127			0.610	20
2,2-Dichloropropane	25.0	28.3	28.8	113	115	60.0-125			1.61	20
Di-isopropyl ether	25.0	26.9	26.9	108	108	59.0-133			0.110	20
Ethylbenzene	25.0	25.6	25.0	102	100	77.0-120			2.41	20
Hexachloro-1,3-butadiene	25.0	29.9	30.6	120	123	64.0-131			2.45	20
Isopropylbenzene	25.0	25.1	24.7	100	98.6	75.0-120			1.91	20
p-Isopropyltoluene	25.0	27.5	27.1	110	108	74.0-126			1.49	20
2-Butanone (MEK)	125	116	122	93.1	97.5	37.0-158			4.59	20
Methylene Chloride	25.0	26.6	26.5	106	106	66.0-121			0.500	20
4-Methyl-2-pentanone (MIBK)	125	138	135	110	108	59.0-143			2.28	20
Methyl tert-butyl ether	25.0	26.3	26.5	105	106	64.0-123			0.940	20
Naphthalene	25.0	28.3	28.6	113	114	62.0-128			0.750	20
n-Propylbenzene	25.0	26.3	25.6	105	102	79.0-120			2.76	20
Styrene	25.0	25.6	25.2	103	101	78.0-124			1.84	20
1,1,1,2-Tetrachloroethane	25.0	25.5	25.7	102	103	75.0-122			0.680	20
1,1,2,2-Tetrachloroethane	25.0	25.8	25.5	103	102	71.0-122			1.20	20
Tetrachloroethene	25.0	25.3	25.0	101	99.9	70.0-127			1.23	20
Toluene	25.0	25.3	24.7	101	98.9	77.0-120			2.21	20
1,1,2-Trichlorotrifluoroethane	25.0	28.6	28.3	115	113	61.0-136			1.30	20
1,2,3-Trichlorobenzene	25.0	31.6	32.6	126	130	61.0-133			3.01	20
1,2,4-Trichlorobenzene	25.0	31.0	31.7	124	127	69.0-129			2.18	20
1,1,1-Trichloroethane	25.0	27.9	27.9	112	112	68.0-122			0.0500	20
1,1,2-Trichloroethane	25.0	25.6	25.5	102	102	78.0-120			0.190	20
Trichloroethene	25.0	25.7	25.4	103	102	78.0-120			1.26	20
Trichlorofluoromethane	25.0	28.3	28.3	113	113	56.0-137			0.330	20
1,2,3-Trichloropropane	25.0	25.3	24.9	101	99.6	72.0-124			1.46	20
1,2,3-Trimethylbenzene	25.0	24.2	23.9	96.6	95.7	75.0-120			1.01	20
1,2,4-Trimethylbenzene	25.0	26.0	25.5	104	102	75.0-120			1.65	20
1,3,5-Trimethylbenzene	25.0	25.8	25.4	103	102	75.0-120			1.41	20
Vinyl chloride	25.0	26.5	26.5	106	106	64.0-133			0.0700	20
Xylenes, Total	75.0	77.1	76.6	103	102	77.0-120			0.650	20
(S) Toluene-d8				*100*	*100*	*80.0-120*				
(S) Dibromofluoromethane				*104*	*105*	*76.0-123*				
(S) 4-Bromofluorobenzene				*101*	*98.8*	*80.0-120*				

Method Blank (MB)

(MB) R3246814-3 09/02/17 13:15

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) R3246814-3 09/02/17 13:15

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	*105*			*80.0-120*
(S) Dibromofluoromethane	*102*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

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

(LCS) R3246814-1 09/02/17 11:31 • (LCSD) R3246814-4 09/02/17 14:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.131	0.133	105	106	11.0-160			1.08	23
Acrylonitrile	0.125	0.109	0.109	87.2	87.2	61.0-143			0.0400	20
Benzene	0.0250	0.0257	0.0252	103	101	71.0-124			2.13	20
Bromobenzene	0.0250	0.0260	0.0255	104	102	78.0-120			1.88	20
Bromodichloromethane	0.0250	0.0239	0.0235	95.6	93.9	75.0-120			1.70	20
Bromochloromethane	0.0250	0.0246	0.0251	98.5	101	80.0-121			2.10	20
Bromoform	0.0250	0.0242	0.0232	96.8	92.9	65.0-133			4.20	20
Bromomethane	0.0250	0.0276	0.0245	110	98.1	26.0-160			11.8	20
n-Butylbenzene	0.0250	0.0312	0.0296	125	118	73.0-126			5.17	20
sec-Butylbenzene	0.0250	0.0304	0.0291	122	116	75.0-121	J4		4.45	20
tert-Butylbenzene	0.0250	0.0291	0.0282	116	113	74.0-122			3.02	20
Carbon disulfide	0.0250	0.0283	0.0266	113	106	53.0-130			6.03	20
Carbon tetrachloride	0.0250	0.0247	0.0239	98.7	95.6	66.0-123			3.19	20
Chlorobenzene	0.0250	0.0261	0.0258	105	103	79.0-121			1.21	20
Chlorodibromomethane	0.0250	0.0248	0.0247	99.2	98.8	74.0-128			0.490	20
Chloroethane	0.0250	0.0264	0.0269	106	108	51.0-147			1.73	20
Chloroform	0.0250	0.0254	0.0253	102	101	73.0-123			0.270	20
Chloromethane	0.0250	0.0240	0.0241	96.2	96.5	51.0-138			0.330	20
2-Chlorotoluene	0.0250	0.0280	0.0270	112	108	72.0-124			3.66	20
4-Chlorotoluene	0.0250	0.0270	0.0262	108	105	78.0-120			3.20	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0228	0.0228	91.1	91.0	65.0-126			0.130	20
1,2-Dibromoethane	0.0250	0.0237	0.0235	94.9	94.1	78.0-122			0.850	20
Dibromomethane	0.0250	0.0238	0.0241	95.0	96.5	79.0-120			1.61	20
1,2-Dichlorobenzene	0.0250	0.0266	0.0257	107	103	80.0-120			3.44	20
1,3-Dichlorobenzene	0.0250	0.0263	0.0255	105	102	72.0-123			3.30	20
1,4-Dichlorobenzene	0.0250	0.0269	0.0259	108	104	77.0-120			3.80	20
trans-1,4-Dichloro-2-butene	0.0250	0.0222	0.0215	88.9	86.2	68.0-126			3.12	20
Dichlorodifluoromethane	0.0250	0.0278	0.0270	111	108	49.0-155			3.10	20
1,1-Dichloroethane	0.0250	0.0261	0.0254	104	102	70.0-128			2.72	20
1,2-Dichloroethane	0.0250	0.0249	0.0253	99.6	101	69.0-128			1.69	20
1,1-Dichloroethene	0.0250	0.0277	0.0265	111	106	63.0-131			4.18	20
cis-1,2-Dichloroethene	0.0250	0.0250	0.0248	99.9	99.2	74.0-123			0.640	20
trans-1,2-Dichloroethene	0.0250	0.0258	0.0254	103	101	72.0-122			1.56	20
1,2-Dichloropropane	0.0250	0.0255	0.0249	102	99.8	75.0-126			2.05	20
1,1-Dichloropropene	0.0250	0.0262	0.0252	105	101	72.0-130			3.68	20
1,3-Dichloropropane	0.0250	0.0243	0.0247	97.3	98.8	80.0-121			1.52	20
cis-1,3-Dichloropropene	0.0250	0.0269	0.0263	108	105	80.0-125			2.24	20
trans-1,3-Dichloropropene	0.0250	0.0250	0.0247	100	98.9	75.0-129			1.10	20
2,2-Dichloropropane	0.0250	0.0249	0.0244	99.6	97.6	60.0-129			1.97	20
Di-isopropyl ether	0.0250	0.0244	0.0242	97.7	96.6	62.0-133			1.11	20

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

(LCS) R3246814-1 09/02/17 11:31 • (LCSD) R3246814-4 09/02/17 14:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0262	0.0256	105	102	77.0-120			2.25	20
Hexachloro-1,3-butadiene	0.0250	0.0317	0.0315	127	126	68.0-128			0.740	20
2-Hexanone	0.125	0.120	0.120	95.7	96.0	61.0-143			0.230	20
n-Hexane	0.0250	0.0273	0.0267	109	107	57.0-125			2.27	20
Iodomethane	0.125	0.142	0.142	114	113	67.0-132			0.470	20
Isopropylbenzene	0.0250	0.0282	0.0270	113	108	75.0-120			4.57	20
p-Isopropyltoluene	0.0250	0.0312	0.0300	125	120	74.0-125			3.91	20
2-Butanone (MEK)	0.125	0.121	0.119	96.7	95.3	37.0-159			1.40	20
Methylene Chloride	0.0250	0.0257	0.0263	103	105	67.0-123			2.18	20
4-Methyl-2-pentanone (MIBK)	0.125	0.111	0.114	88.4	91.0	60.0-144			2.89	20
Methyl tert-butyl ether	0.0250	0.0243	0.0249	97.4	99.6	66.0-125			2.23	20
Naphthalene	0.0250	0.0232	0.0232	92.8	92.9	64.0-125			0.0900	20
n-Propylbenzene	0.0250	0.0302	0.0288	121	115	78.0-120	J4		4.83	20
Styrene	0.0250	0.0274	0.0264	110	106	78.0-124			3.63	20
1,1,1,2-Tetrachloroethane	0.0250	0.0251	0.0250	100	100	74.0-124			0.240	20
1,1,2,2-Tetrachloroethane	0.0250	0.0253	0.0250	101	100	73.0-120			1.27	20
Tetrachloroethene	0.0250	0.0262	0.0251	105	100	70.0-127			4.16	20
Toluene	0.0250	0.0252	0.0245	101	97.9	77.0-120			3.01	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0279	0.0273	112	109	64.0-135			2.24	20
1,2,3-Trichlorobenzene	0.0250	0.0247	0.0249	98.6	99.7	68.0-126			1.09	20
1,2,4-Trichlorobenzene	0.0250	0.0253	0.0248	101	99.4	70.0-127			1.86	20
1,1,1-Trichloroethane	0.0250	0.0258	0.0253	103	101	69.0-125			2.13	20
1,1,2-Trichloroethane	0.0250	0.0242	0.0243	96.9	97.2	78.0-120			0.260	20
Trichloroethene	0.0250	0.0252	0.0247	101	98.7	79.0-120			2.12	20
Trichlorofluoromethane	0.0250	0.0267	0.0257	107	103	59.0-136			3.86	20
1,2,3-Trichloropropane	0.0250	0.0254	0.0251	102	101	73.0-124			1.03	20
1,2,3-Trimethylbenzene	0.0250	0.0258	0.0252	103	101	76.0-120			2.38	20
1,2,4-Trimethylbenzene	0.0250	0.0280	0.0270	112	108	75.0-120			3.48	20
1,3,5-Trimethylbenzene	0.0250	0.0286	0.0278	115	111	75.0-120			3.09	20
Vinyl acetate	0.125	0.126	0.123	101	98.1	58.0-156			2.47	20
Vinyl chloride	0.0250	0.0269	0.0262	108	105	63.0-134			2.68	20
Xylenes, Total	0.0750	0.0781	0.0770	104	103	77.0-120			1.42	20
(S) Toluene-d8				*102*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*101*	*102*	*74.0-131*				
(S) 4-Bromofluorobenzene				*102*	*102*	*64.0-132*				

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

L933692-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L933692-03 09/02/17 16:24 • (MS) R3246814-5 09/02/17 14:40 • (MSD) R3246814-6 09/02/17 15:06

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	0.150	U	0.0226	0.0269	15.0	17.9	1	10.0-160			17.4	36
Acrylonitrile	0.150	U	0.0234	0.0299	15.6	19.9	1	14.0-160			24.7	33
Benzene	0.0300	U	0.00230	0.00379	7.65	12.6	1	13.0-146	J6	J3 J6	49.1	27
Bromobenzene	0.0300	U	0.00196	0.00401	6.52	13.4	1	10.0-149	J6	J3	68.8	33
Bromodichloromethane	0.0300	U	0.00285	0.00447	9.48	14.9	1	15.0-142	J6	J3 J6	44.3	28
Bromochloromethane	0.0300	U	0.00294	0.00429	9.81	14.3	1	24.0-146	J6	J3 J6	37.2	27
Bromoform	0.0300	U	0.00298	0.00498	9.93	16.6	1	10.0-147	J6	J3	50.2	31
Bromomethane	0.0300	U	0.00203	0.00292	6.76	9.72	1	10.0-160	J6	J3 J6	36.0	32
n-Butylbenzene	0.0300	U	0.000967	0.00358	3.22	11.9	1	10.0-154	J6	J3	115	37
sec-Butylbenzene	0.0300	U	0.00117	0.00386	3.89	12.9	1	10.0-151	J6	J3	107	36
tert-Butylbenzene	0.0300	U	0.00155	0.00410	5.18	13.6	1	10.0-152	J6	J3	90.0	35
Carbon disulfide	0.0300	U	0.000676	0.00104	2.25	3.46	1	10.0-141	J6	J3 J6	42.3	30
Carbon tetrachloride	0.0300	U	0.00184	0.00355	6.14	11.8	1	13.0-140	J6	J3 J6	63.3	30
Chlorobenzene	0.0300	U	0.00189	0.00383	6.29	12.7	1	10.0-149	J6	J3	67.8	31
Chlorodibromomethane	0.0300	U	0.00291	0.00486	9.69	16.2	1	12.0-147	J6	J3	50.2	29
Chloroethane	0.0300	U	0.00209	0.00318	6.97	10.6	1	10.0-159	J6	J3	41.4	33
Chloroform	0.0300	U	0.00295	0.00483	9.82	16.1	1	18.0-148	J6	J3 J6	48.4	28
Chloromethane	0.0300	U	0.00143	0.00187	4.76	6.24	1	10.0-146	J6	J6	26.9	29
2-Chlorotoluene	0.0300	U	0.00151	0.00386	5.03	12.9	1	10.0-151	J6	J3	87.6	35
4-Chlorotoluene	0.0300	U	0.00138	0.00358	4.61	11.9	1	10.0-150	J6	J3	88.5	35
1,2-Dibromo-3-Chloropropane	0.0300	U	0.00382	0.00630	12.7	21.0	1	10.0-149		J3	49.1	34
1,2-Dibromoethane	0.0300	U	0.00290	0.00469	9.66	15.6	1	14.0-145	J6	J3	47.0	28
Dibromomethane	0.0300	U	0.00319	0.00469	10.6	15.6	1	18.0-144	J6	J3 J6	38.2	27
1,2-Dichlorobenzene	0.0300	U	0.00186	0.00397	6.20	13.2	1	10.0-153	J6	J3	72.3	34
1,3-Dichlorobenzene	0.0300	U	0.00144	0.00347	4.79	11.6	1	10.0-150	J6	J3	82.7	35
1,4-Dichlorobenzene	0.0300	U	0.00160	0.00378	5.35	12.6	1	10.0-148	J6	J3	80.9	34
trans-1,4-Dichloro-2-butene	0.0300	U	0.00355	0.00597	11.8	19.9	1	10.0-160		J3	50.9	40
Dichlorodifluoromethane	0.0300	U	ND	0.00180	0.000	5.99	1	10.0-160	J6	J3 J6	200	30
1,1-Dichloroethane	0.0300	U	0.00280	0.00440	9.33	14.7	1	19.0-148	J6	J3 J6	44.4	28
1,2-Dichloroethane	0.0300	U	0.00319	0.00477	10.6	15.9	1	17.0-147	J6	J3 J6	39.8	27
1,1-Dichloroethene	0.0300	U	0.00171	0.00301	5.68	10.0	1	10.0-150	J6	J3	55.2	31
cis-1,2-Dichloroethene	0.0300	U	0.00257	0.00393	8.57	13.1	1	16.0-145	J6	J3 J6	41.7	28
trans-1,2-Dichloroethene	0.0300	U	0.00167	0.00281	5.57	9.35	1	11.0-142	J6	J3 J6	50.7	29
1,2-Dichloropropane	0.0300	U	0.00275	0.00446	9.15	14.8	1	17.0-148	J6	J3 J6	47.4	28
1,1-Dichloropropene	0.0300	U	0.00124	0.00279	4.11	9.30	1	10.0-150	J6	J3 J6	77.3	30
1,3-Dichloropropane	0.0300	U	0.00306	0.00487	10.2	16.2	1	16.0-148	J6	J3	45.6	27
cis-1,3-Dichloropropene	0.0300	U	0.00241	0.00396	8.04	13.2	1	13.0-150	J6	J3	48.4	28
trans-1,3-Dichloropropene	0.0300	U	0.00251	0.00416	8.36	13.8	1	10.0-152	J6	J3	49.4	29
2,2-Dichloropropane	0.0300	U	0.00256	0.00423	8.51	14.1	1	16.0-143	J6	J3 J6	49.3	30

L933692-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L933692-03 09/02/17 16:24 • (MS) R3246814-5 09/02/17 14:40 • (MSD) R3246814-6 09/02/17 15:06

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	0.0300	U	0.00282	0.00477	9.40	15.9	1	16.0-149	J6	J3 J6	51.4	28
Ethylbenzene	0.0300	U	0.00146	0.00349	4.85	11.6	1	10.0-147	J6	J3	82.4	31
Hexachloro-1,3-butadiene	0.0300	U	0.00132	0.00392	4.39	13.1	1	10.0-154	J6	J3	99.3	40
2-Hexanone	0.150	U	0.0200	0.0302	13.3	20.1	1	12.0-158		J3	40.4	30
n-Hexane	0.0300	U	0.000774	0.00194	2.58	6.46	1	10.0-140	J6	J3 J6	85.8	34
Iodomethane	0.150	U	0.0120	0.0179	7.99	11.9	1	10.0-157	J6	J3	39.5	34
Isopropylbenzene	0.0300	U	0.00134	0.00371	4.47	12.3	1	10.0-147	J6	J3	93.7	33
p-Isopropyltoluene	0.0300	U	0.00106	0.00381	3.54	12.7	1	10.0-156	J6	J3	113	37
2-Butanone (MEK)	0.150	U	0.0200	0.0279	13.3	18.6	1	10.0-160			32.9	33
Methylene Chloride	0.0300	U	0.00276	0.00402	9.19	13.4	1	16.0-139	J6	J3 J6	37.2	29
4-Methyl-2-pentanone (MIBK)	0.150	U	0.0206	0.0313	13.7	20.9	1	12.0-160		J3	41.2	32
Methyl tert-butyl ether	0.0300	U	0.00339	0.00548	11.3	18.2	1	21.0-145	J6	J3 J6	47.0	29
Naphthalene	0.0300	U	0.00248	0.00418	8.27	13.9	1	10.0-153	J6	J3	50.9	36
n-Propylbenzene	0.0300	U	0.00120	0.00383	4.01	12.8	1	10.0-151	J6	J3	104	34
Styrene	0.0300	U	0.00150	0.00339	4.98	11.3	1	10.0-155	J6	J3	77.6	34
1,1,1,2-Tetrachloroethane	0.0300	U	0.00274	0.00465	9.13	15.5	1	10.0-147	J6	J3	51.7	30
1,1,2,2-Tetrachloroethane	0.0300	U	0.00375	0.00617	12.5	20.5	1	10.0-155		J3	48.8	31
Tetrachloroethene	0.0300	U	0.000876	0.00262	2.92	8.72	1	10.0-144	J6	J3 J6	99.7	32
Toluene	0.0300	U	0.00185	0.00352	6.17	11.7	1	10.0-144	J6	J3	62.2	28
1,1,2-Trichlorotrifluoroethane	0.0300	U	0.00102	0.00338	3.41	11.3	1	10.0-153	J6	J3	107	33
1,2,3-Trichlorobenzene	0.0300	U	0.00161	0.00341	5.36	11.4	1	10.0-153	J6	J3	71.8	40
1,2,4-Trichlorobenzene	0.0300	U	0.00125	0.00318	4.18	10.6	1	10.0-156	J6	J3	86.8	40
1,1,1-Trichloroethane	0.0300	U	0.00244	0.00423	8.11	14.1	1	18.0-145	J6	J3 J6	53.9	29
1,1,2-Trichloroethane	0.0300	U	0.00323	0.00497	10.8	16.6	1	12.0-151	J6	J3	42.5	28
Trichloroethene	0.0300	U	0.00188	0.00429	6.25	14.3	1	11.0-148	J6	J3	78.2	29
Trichlorofluoromethane	0.0300	U	0.00148	0.00304	4.94	10.1	1	10.0-157	J6	J3	68.8	34
1,2,3-Trichloropropane	0.0300	U	0.00438	0.00681	14.6	22.7	1	10.0-154		J3	43.5	32
1,2,3-Trimethylbenzene	0.0300	U	0.00161	0.00400	5.35	13.3	1	10.0-150	J6	J3	85.4	33
1,2,4-Trimethylbenzene	0.0300	U	0.00126	0.00370	4.20	12.3	1	10.0-151	J6	J3	98.3	34
1,3,5-Trimethylbenzene	0.0300	U	0.00121	0.00371	4.04	12.3	1	10.0-150	J6	J3	101	33
Vinyl acetate	0.150	U	0.0153	0.0216	10.2	14.4	1	10.0-160			33.7	40
Vinyl chloride	0.0300	U	0.00149	0.00225	4.98	7.50	1	10.0-150	J6	J3 J6	40.4	29
Xylenes, Total	0.0901	U	0.00435	0.0104	4.83	11.5	1	10.0-150	J6	J3	82.1	31
(S) Toluene-d8					*95.7*	*96.3*		*80.0-120*				
(S) Dibromofluoromethane					*111*	*110*		*74.0-131*				
(S) 4-Bromofluorobenzene					*99.3*	*101*		*64.0-132*				

Sample Narrative:

MS: Low recovery due to matrix interference.

L933692-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L933692-03 09/02/17 16:24 • (MS) R3246814-5 09/02/17 14:40 • (MSD) R3246814-6 09/02/17 15:06

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%

MSD: Low recovery due to matrix interference.

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
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.

State Accreditations

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

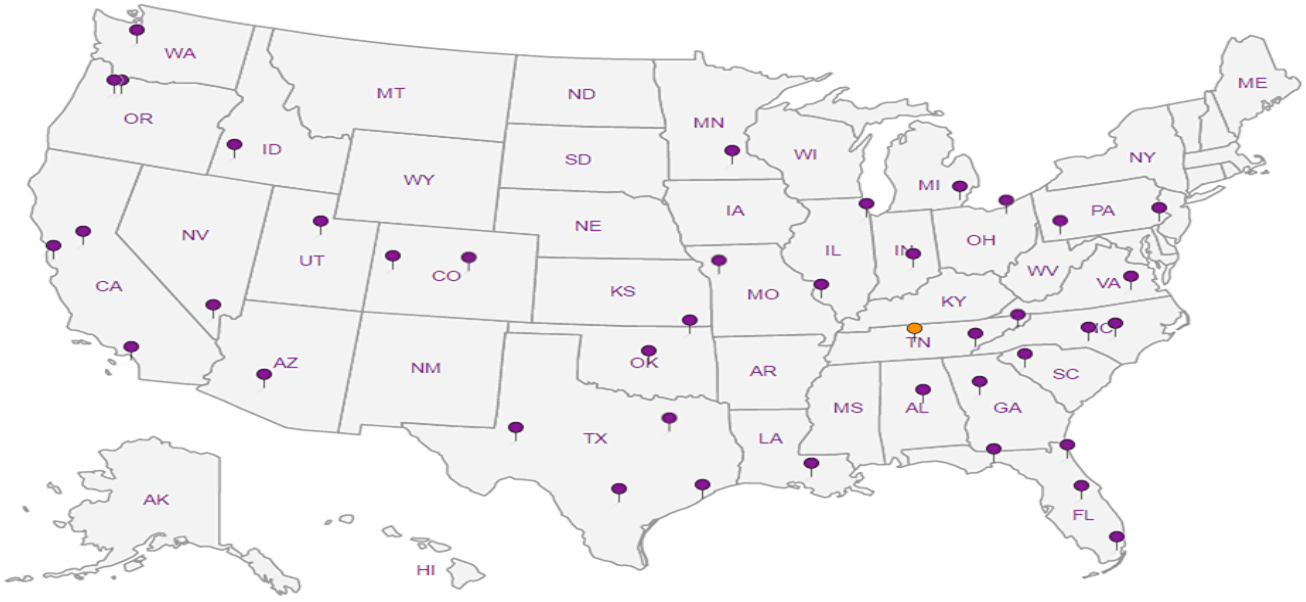
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
~~B~~ MW-140-90	GRAB	SS	90	8/30/17	1740	4			X	X			-01
~~B~~ MW-137-25		SS	25	8/31/17	0950	5	X		X	X			02
~~B~~ MW-140-~~100~~ 110		SS	~~100~~ 110		1045	4			X	X			03
~~B~~ MW-137-45		SS	45		1140	5	X		X	X			04
~~B~~ MW-140-130		SS	130		1240	4			X	X			05
~~B~~ MW-140-140		SS	140		1415	4			X	X			06
~~B~~ MW-137-75		SS	75		1525	4			X	X			07
~~B~~ MW-137-76-W		GW	76		1530	3		X			X		08
B-905-60-W		GW	60		1545	3		X			X		09
B-		GW				3					X		

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# L933455
E076

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
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 __ 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
	8/31/17	1645		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.0 °C Bottles Received: 43
				If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-1-17 Time: 895
				Hold: Condition: NCF / OK

MEMORANDUM

TO: Project File **DATE:** October 12, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: August 30-31, 2017 – Soil and Groundwater Samples

LAB: ESC Lab ID L933455

Seven (7) soil samples and two (2) groundwater samples including a field duplicate were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on August 30 and 31, 2017. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L933455. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L933455 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on August 30 and 31, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.0 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved waters from the date of sample 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 soils and preserved waters from the date of sample collection. All holding time criteria were met.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of seven days for total solids. Holding time criteria were not met:

- Soil samples were collected on August 30 and 31, 2017 and analyzed for percent solids on September 8, 2017 slightly beyond the recommended seven day hold. No action is taken in this case as samples were appropriately preserved and it is unlikely that the holding time exceedances significantly impacted sample results.

Initial and Continuing Calibration

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

- *USEPA Method 8260C (soil):* Continuing calibration verification (CCV) issues are noted by ESC for acetone, bromobenzene, chloroethane, chloromethane, trans-1,4-dichloro-2-butene, di-isopropyl ether, n-hexane, and 2-butanone (MEK) associated with analytical batch WG1016411 (analyzed on September 6, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **The associated sample MW-140-140 result laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

NWTPH-Gx Method:
Laboratory method blanks were included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blanks at or above the RDL.

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batch 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:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (MW-137-76-W and B-905-60-W) results are comparable and less than 30% RPD.

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:
Laboratory duplicate samples were not analyzed. Refer to LCS/LCSDs and MS/MSDs results for precision data on soils and waters.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples MW-140-90 and MW-137-75. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

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

Laboratory Control Samples

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

- LCS (Batch WG1016411) % recoveries for compounds sec-butylbenzene and n-propylbenzene are recovered above criteria. LCSD % recovery results for these compounds are acceptable. No action was taken since these compounds were not detected in the associated soil samples.

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils and 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 on soils were performed on non-client sample within the analytical batch. Refer to LCS/LCSD results for accuracy and precision data since MS/MSD analyses were not performed on the analytical batch associated with the water samples. The MS/MSD %Rs and RPDs for the all target compounds are NOT within the laboratory control criteria for soils with the following discussion:

- MS/MSD (Batch WG1016411) RPD values for multiple compounds are above laboratory acceptance criteria and qualified by the laboratory (J3). MS/MSD recoveries are low and qualified by the laboratory (J6) for multiple compounds due to matrix interference. No

action is taken as the spike was performed on a non-client sample within the analytical batch. Refer to LCS/LCSD results for accuracy and precision data.

NWTPH-Gx Method:
MS/MSDs were analyzed by the NWTPH-Gx method on a non-client samples within the analytical batches. The MS/MSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for waters and soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Sample MW-137-45 was not reanalyzed at a lower dilution due to an insufficient number of low level sodium bisulfite vials. No action was taken other than to note this.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	09/08/2017 09:23	WG1017807

Volatile Organic Compounds (GC/MS) 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	0.0588	1	09/02/2017 20:18	WG1016411
Acrylonitrile	U		0.00211	0.0118	1	09/02/2017 20:18	WG1016411
Benzene	U		0.000318	0.00118	1	09/02/2017 20:18	WG1016411
Bromobenzene	U		0.000334	0.00118	1	09/02/2017 20:18	WG1016411
Bromodichloromethane	U		0.000299	0.00118	1	09/02/2017 20:18	WG1016411
Bromochloromethane	U		0.000459	0.00588	1	09/02/2017 20:18	WG1016411
Bromoform	U		0.000499	0.00118	1	09/02/2017 20:18	WG1016411
Bromomethane	U		0.00158	0.00588	1	09/02/2017 20:18	WG1016411
n-Butylbenzene	U		0.000303	0.00118	1	09/02/2017 20:18	WG1016411
sec-Butylbenzene	U	J4	0.000236	0.00118	1	09/02/2017 20:18	WG1016411
tert-Butylbenzene	U		0.000242	0.00118	1	09/02/2017 20:18	WG1016411
Carbon disulfide	U		0.000260	0.00118	1	09/02/2017 20:18	WG1016411
Carbon tetrachloride	U		0.000386	0.00118	1	09/02/2017 20:18	WG1016411
Chlorobenzene	U		0.000249	0.00118	1	09/02/2017 20:18	WG1016411
Chlorodibromomethane	U		0.000439	0.00118	1	09/02/2017 20:18	WG1016411
Chloroethane	U		0.00111	0.00588	1	09/02/2017 20:18	WG1016411
Chloroform	U		0.000269	0.00588	1	09/02/2017 20:18	WG1016411
Chloromethane	U		0.000441	0.00294	1	09/02/2017 20:18	WG1016411
2-Chlorotoluene	U		0.000354	0.00118	1	09/02/2017 20:18	WG1016411
4-Chlorotoluene	U		0.000282	0.00118	1	09/02/2017 20:18	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00588	1	09/02/2017 20:18	WG1016411
1,2-Dibromoethane	U		0.000403	0.00118	1	09/02/2017 20:18	WG1016411
Dibromomethane	U		0.000449	0.00118	1	09/02/2017 20:18	WG1016411
1,2-Dichlorobenzene	U		0.000359	0.00118	1	09/02/2017 20:18	WG1016411
1,3-Dichlorobenzene	U		0.000281	0.00118	1	09/02/2017 20:18	WG1016411
1,4-Dichlorobenzene	U		0.000266	0.00118	1	09/02/2017 20:18	WG1016411
Dichlorodifluoromethane	U		0.000839	0.00588	1	09/02/2017 20:18	WG1016411
1,1-Dichloroethane	U		0.000234	0.00118	1	09/02/2017 20:18	WG1016411
1,2-Dichloroethane	U		0.000312	0.00118	1	09/02/2017 20:18	WG1016411
1,1-Dichloroethene	U		0.000356	0.00118	1	09/02/2017 20:18	WG1016411
cis-1,2-Dichloroethene	U		0.000276	0.00118	1	09/02/2017 20:18	WG1016411
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	09/02/2017 20:18	WG1016411
1,2-Dichloropropane	U		0.000421	0.00118	1	09/02/2017 20:18	WG1016411
1,1-Dichloropropene	U		0.000373	0.00118	1	09/02/2017 20:18	WG1016411
1,3-Dichloropropane	U		0.000244	0.00118	1	09/02/2017 20:18	WG1016411
cis-1,3-Dichloropropene	U		0.000308	0.00118	1	09/02/2017 20:18	WG1016411
trans-1,3-Dichloropropene	U		0.000314	0.00118	1	09/02/2017 20:18	WG1016411
trans-1,4-Dichloro-2-butene	U		0.000915	0.00294	1	09/02/2017 20:18	WG1016411
2,2-Dichloropropane	U		0.000328	0.00118	1	09/02/2017 20:18	WG1016411
Di-isopropyl ether	U		0.000292	0.00118	1	09/02/2017 20:18	WG1016411
Ethylbenzene	U		0.000349	0.00118	1	09/02/2017 20:18	WG1016411
Hexachloro-1,3-butadiene	U		0.000402	0.00118	1	09/02/2017 20:18	WG1016411
2-Hexanone	U		0.00161	0.0118	1	09/02/2017 20:18	WG1016411
n-Hexane	0.00188 J	J	0.000341	0.0118	1	09/02/2017 20:18	WG1016411
Iodomethane	U		0.00298	0.0118	1	09/02/2017 20:18	WG1016411
Isopropylbenzene	U		0.000286	0.00118	1	09/02/2017 20:18	WG1016411
p-Isopropyltoluene	U		0.000240	0.00118	1	09/02/2017 20:18	WG1016411
2-Butanone (MEK)	U		0.00551	0.0118	1	09/02/2017 20:18	WG1016411
Methylene Chloride	U		0.00118	0.00588	1	09/02/2017 20:18	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00221	0.0118	1	09/02/2017 20:18	WG1016411

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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		0.000249	0.00118	1	09/02/2017 20:18	WG1016411
Naphthalene	U		0.00118	0.00588	1	09/02/2017 20:18	WG1016411
n-Propylbenzene	U	J4	0.000242	0.00118	1	09/02/2017 20:18	WG1016411
Styrene	U		0.000275	0.00118	1	09/02/2017 20:18	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	09/02/2017 20:18	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000429	0.00118	1	09/02/2017 20:18	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000429	0.00118	1	09/02/2017 20:18	WG1016411
Tetrachloroethene	U		0.000325	0.00118	1	09/02/2017 20:18	WG1016411
Toluene	U		0.000511	0.00588	1	09/02/2017 20:18	WG1016411
1,2,3-Trichlorobenzene	U		0.000360	0.00118	1	09/02/2017 20:18	WG1016411
1,2,4-Trichlorobenzene	U		0.000456	0.00118	1	09/02/2017 20:18	WG1016411
1,1,1-Trichloroethane	U		0.000336	0.00118	1	09/02/2017 20:18	WG1016411
1,1,2-Trichloroethane	U		0.000326	0.00118	1	09/02/2017 20:18	WG1016411
Trichloroethene	U		0.000328	0.00118	1	09/02/2017 20:18	WG1016411
Trichlorofluoromethane	U		0.000449	0.00588	1	09/02/2017 20:18	WG1016411
1,2,3-Trichloropropane	U		0.000872	0.00294	1	09/02/2017 20:18	WG1016411
1,2,4-Trimethylbenzene	U		0.000248	0.00118	1	09/02/2017 20:18	WG1016411
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	09/02/2017 20:18	WG1016411
1,3,5-Trimethylbenzene	U		0.000313	0.00118	1	09/02/2017 20:18	WG1016411
Vinyl acetate	U		0.00281	0.0118	1	09/02/2017 20:18	WG1016411
Vinyl chloride	U		0.000342	0.00118	1	09/02/2017 20:18	WG1016411
Xylenes, Total	U		0.000821	0.00353	1	09/02/2017 20:18	WG1016411
(S) Toluene-d8	*94.3*			*80.0-120*		*09/02/2017 20:18*	WG1016411
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/02/2017 20:18*	WG1016411
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/02/2017 20:18*	WG1016411

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	09/08/2017 09:23	WG1017807

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		0.0370	0.109	1	09/05/2017 19:57	WG1016832
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-120*		*09/05/2017 19:57*	WG1016832

Volatile Organic Compounds (GC/MS) 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	0.0545	1	09/02/2017 20:44	WG1016411	
Acrylonitrile	U		0.00195	0.0109	1	09/02/2017 20:44	WG1016411	
Benzene	U		0.000294	0.00109	1	09/02/2017 20:44	WG1016411	
Bromobenzene	U		0.000310	0.00109	1	09/02/2017 20:44	WG1016411	
Bromodichloromethane	U		0.000277	0.00109	1	09/02/2017 20:44	WG1016411	
Bromochloromethane	U		0.000425	0.00545	1	09/02/2017 20:44	WG1016411	
Bromoform	U		0.000462	0.00109	1	09/02/2017 20:44	WG1016411	
Bromomethane	U		0.00146	0.00545	1	09/02/2017 20:44	WG1016411	
n-Butylbenzene	U		0.000281	0.00109	1	09/02/2017 20:44	WG1016411	
sec-Butylbenzene	U	J4	0.000219	0.00109	1	09/02/2017 20:44	WG1016411	
tert-Butylbenzene	U		0.000225	0.00109	1	09/02/2017 20:44	WG1016411	
Carbon disulfide	U		0.000241	0.00109	1	09/02/2017 20:44	WG1016411	
Carbon tetrachloride	U		0.000358	0.00109	1	09/02/2017 20:44	WG1016411	
Chlorobenzene	U		0.000231	0.00109	1	09/02/2017 20:44	WG1016411	
Chlorodibromomethane	U		0.000407	0.00109	1	09/02/2017 20:44	WG1016411	
Chloroethane	U		0.00103	0.00545	1	09/02/2017 20:44	WG1016411	
Chloroform	U		0.000250	0.00545	1	09/02/2017 20:44	WG1016411	
Chloromethane	U		0.000409	0.00273	1	09/02/2017 20:44	WG1016411	
2-Chlorotoluene	U		0.000328	0.00109	1	09/02/2017 20:44	WG1016411	
4-Chlorotoluene	U		0.000262	0.00109	1	09/02/2017 20:44	WG1016411	
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	09/02/2017 20:44	WG1016411	
1,2-Dibromoethane	U		0.000374	0.00109	1	09/02/2017 20:44	WG1016411	
Dibromomethane	U		0.000417	0.00109	1	09/02/2017 20:44	WG1016411	
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/02/2017 20:44	WG1016411	
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/02/2017 20:44	WG1016411	
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/02/2017 20:44	WG1016411	
Dichlorodifluoromethane	U		0.000778	0.00545	1	09/02/2017 20:44	WG1016411	
1,1-Dichloroethane	U		0.000217	0.00109	1	09/02/2017 20:44	WG1016411	
1,2-Dichloroethane	U		0.000289	0.00109	1	09/02/2017 20:44	WG1016411	
1,1-Dichloroethene	U		0.000330	0.00109	1	09/02/2017 20:44	WG1016411	
cis-1,2-Dichloroethene	0.000783 J	J	0.000256	0.00109	1	09/02/2017 20:44	WG1016411	
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/02/2017 20:44	WG1016411	
1,2-Dichloropropane	U		0.000390	0.00109	1	09/02/2017 20:44	WG1016411	
1,1-Dichloropropene	U		0.000346	0.00109	1	09/02/2017 20:44	WG1016411	
1,3-Dichloropropane	U		0.000226	0.00109	1	09/02/2017 20:44	WG1016411	
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/02/2017 20:44	WG1016411	
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/02/2017 20:44	WG1016411	
trans-1,4-Dichloro-2-butene	U		0.000849	0.00273	1	09/02/2017 20:44	WG1016411	JC 10/12/17
2,2-Dichloropropane	U		0.000304	0.00109	1	09/02/2017 20:44	WG1016411	
Di-isopropyl ether	U		0.000270	0.00109	1	09/02/2017 20:44	WG1016411	
Ethylbenzene	U		0.000324	0.00109	1	09/02/2017 20:44	WG1016411	
Hexachloro-1,3-butadiene	U		0.000373	0.00109	1	09/02/2017 20:44	WG1016411	
2-Hexanone	U		0.00149	0.0109	1	09/02/2017 20:44	WG1016411	
n-Hexane	0.00162 J	J	0.000316	0.0109	1	09/02/2017 20:44	WG1016411	

Volatile Organic Compounds (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		0.00276	0.0109	1	09/02/2017 20:44	WG1016411
Isopropylbenzene	U		0.000265	0.00109	1	09/02/2017 20:44	WG1016411
p-Isopropyltoluene	U		0.000223	0.00109	1	09/02/2017 20:44	WG1016411
2-Butanone (MEK)	U		0.00510	0.0109	1	09/02/2017 20:44	WG1016411
Methylene Chloride	U		0.00109	0.00545	1	09/02/2017 20:44	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/02/2017 20:44	WG1016411
Methyl tert-butyl ether	U		0.000231	0.00109	1	09/02/2017 20:44	WG1016411
Naphthalene	U		0.00109	0.00545	1	09/02/2017 20:44	WG1016411
n-Propylbenzene	U	J4	0.000225	0.00109	1	09/02/2017 20:44	WG1016411
Styrene	U		0.000255	0.00109	1	09/02/2017 20:44	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	09/02/2017 20:44	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	09/02/2017 20:44	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	09/02/2017 20:44	WG1016411
Tetrachloroethene	0.00174		0.000301	0.00109	1	09/02/2017 20:44	WG1016411
Toluene	U		0.000473	0.00545	1	09/02/2017 20:44	WG1016411
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	09/02/2017 20:44	WG1016411
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	09/02/2017 20:44	WG1016411
1,1,1-Trichloroethane	U		0.000312	0.00109	1	09/02/2017 20:44	WG1016411
1,1,2-Trichloroethane	U		0.000302	0.00109	1	09/02/2017 20:44	WG1016411
Trichloroethene	0.00245		0.000304	0.00109	1	09/02/2017 20:44	WG1016411
Trichlorofluoromethane	U		0.000417	0.00545	1	09/02/2017 20:44	WG1016411
1,2,3-Trichloropropane	U		0.000808	0.00273	1	09/02/2017 20:44	WG1016411
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/02/2017 20:44	WG1016411
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	09/02/2017 20:44	WG1016411
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/02/2017 20:44	WG1016411
Vinyl acetate	U		0.00261	0.0109	1	09/02/2017 20:44	WG1016411
Vinyl chloride	U		0.000317	0.00109	1	09/02/2017 20:44	WG1016411
Xylenes, Total	U		0.000761	0.00327	1	09/02/2017 20:44	WG1016411
(S) Toluene-d8	*96.2*			*80.0-120*		*09/02/2017 20:44*	WG1016411
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/02/2017 20:44*	WG1016411
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/02/2017 20:44*	WG1016411

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	09/08/2017 09:23	WG1017807

Volatile Organic Compounds (GC/MS) 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	0.0579	1	09/02/2017 21:10	WG1016411
Acrylonitrile	U		0.00207	0.0116	1	09/02/2017 21:10	WG1016411
Benzene	U		0.000313	0.00116	1	09/02/2017 21:10	WG1016411
Bromobenzene	U		0.000329	0.00116	1	09/02/2017 21:10	WG1016411
Bromodichloromethane	U		0.000294	0.00116	1	09/02/2017 21:10	WG1016411
Bromochloromethane	U		0.000452	0.00579	1	09/02/2017 21:10	WG1016411
Bromoform	U		0.000491	0.00116	1	09/02/2017 21:10	WG1016411
Bromomethane	U		0.00155	0.00579	1	09/02/2017 21:10	WG1016411
n-Butylbenzene	U		0.000299	0.00116	1	09/02/2017 21:10	WG1016411
sec-Butylbenzene	U	J4	0.000233	0.00116	1	09/02/2017 21:10	WG1016411
tert-Butylbenzene	U		0.000239	0.00116	1	09/02/2017 21:10	WG1016411
Carbon disulfide	U		0.000256	0.00116	1	09/02/2017 21:10	WG1016411
Carbon tetrachloride	U		0.000380	0.00116	1	09/02/2017 21:10	WG1016411
Chlorobenzene	U		0.000245	0.00116	1	09/02/2017 21:10	WG1016411
Chlorodibromomethane	U		0.000432	0.00116	1	09/02/2017 21:10	WG1016411
Chloroethane	U		0.00110	0.00579	1	09/02/2017 21:10	WG1016411
Chloroform	U		0.000265	0.00579	1	09/02/2017 21:10	WG1016411
Chloromethane	U		0.000434	0.00290	1	09/02/2017 21:10	WG1016411
2-Chlorotoluene	U		0.000349	0.00116	1	09/02/2017 21:10	WG1016411
4-Chlorotoluene	U		0.000278	0.00116	1	09/02/2017 21:10	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	09/02/2017 21:10	WG1016411
1,2-Dibromoethane	U		0.000397	0.00116	1	09/02/2017 21:10	WG1016411
Dibromomethane	U		0.000442	0.00116	1	09/02/2017 21:10	WG1016411
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/02/2017 21:10	WG1016411
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/02/2017 21:10	WG1016411
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/02/2017 21:10	WG1016411
Dichlorodifluoromethane	U		0.000826	0.00579	1	09/02/2017 21:10	WG1016411
1,1-Dichloroethane	U		0.000230	0.00116	1	09/02/2017 21:10	WG1016411
1,2-Dichloroethane	U		0.000307	0.00116	1	09/02/2017 21:10	WG1016411
1,1-Dichloroethene	U		0.000351	0.00116	1	09/02/2017 21:10	WG1016411
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	09/02/2017 21:10	WG1016411
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/02/2017 21:10	WG1016411
1,2-Dichloropropane	U		0.000415	0.00116	1	09/02/2017 21:10	WG1016411
1,1-Dichloropropene	U		0.000367	0.00116	1	09/02/2017 21:10	WG1016411
1,3-Dichloropropane	U		0.000240	0.00116	1	09/02/2017 21:10	WG1016411
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	09/02/2017 21:10	WG1016411
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/02/2017 21:10	WG1016411
trans-1,4-Dichloro-2-butene	U		0.000901	0.00290	1	09/02/2017 21:10	WG1016411
2,2-Dichloropropane	U		0.000323	0.00116	1	09/02/2017 21:10	WG1016411
Di-isopropyl ether	U		0.000287	0.00116	1	09/02/2017 21:10	WG1016411
Ethylbenzene	U		0.000344	0.00116	1	09/02/2017 21:10	WG1016411
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/02/2017 21:10	WG1016411
2-Hexanone	U		0.00159	0.0116	1	09/02/2017 21:10	WG1016411
n-Hexane	0.000364 J	J	0.000336	0.0116	1	09/02/2017 21:10	WG1016411
Iodomethane	U		0.00293	0.0116	1	09/02/2017 21:10	WG1016411
Isopropylbenzene	U		0.000281	0.00116	1	09/02/2017 21:10	WG1016411
p-Isopropyltoluene	U		0.000236	0.00116	1	09/02/2017 21:10	WG1016411
2-Butanone (MEK)	U		0.00542	0.0116	1	09/02/2017 21:10	WG1016411
Methylene Chloride	U		0.00116	0.00579	1	09/02/2017 21:10	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/02/2017 21:10	WG1016411

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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	09/02/2017 21:10	WG1016411
Naphthalene	U		0.00116	0.00579	1	09/02/2017 21:10	WG1016411
n-Propylbenzene	U	J4	0.000239	0.00116	1	09/02/2017 21:10	WG1016411
Styrene	U		0.000271	0.00116	1	09/02/2017 21:10	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/02/2017 21:10	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/02/2017 21:10	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/02/2017 21:10	WG1016411
Tetrachloroethene	U		0.000320	0.00116	1	09/02/2017 21:10	WG1016411
Toluene	U		0.000503	0.00579	1	09/02/2017 21:10	WG1016411
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/02/2017 21:10	WG1016411
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	09/02/2017 21:10	WG1016411
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/02/2017 21:10	WG1016411
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/02/2017 21:10	WG1016411
Trichloroethene	U		0.000323	0.00116	1	09/02/2017 21:10	WG1016411
Trichlorofluoromethane	U		0.000442	0.00579	1	09/02/2017 21:10	WG1016411
1,2,3-Trichloropropane	U		0.000858	0.00290	1	09/02/2017 21:10	WG1016411
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/02/2017 21:10	WG1016411
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/02/2017 21:10	WG1016411
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/02/2017 21:10	WG1016411
Vinyl acetate	U		0.00277	0.0116	1	09/02/2017 21:10	WG1016411
Vinyl chloride	U		0.000337	0.00116	1	09/02/2017 21:10	WG1016411
Xylenes, Total	U		0.000808	0.00347	1	09/02/2017 21:10	WG1016411
(S) Toluene-d8	*96.8*			*80.0-120*		*09/02/2017 21:10*	WG1016411
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/02/2017 21:10*	WG1016411
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/02/2017 21:10*	WG1016411

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	09/08/2017 09:23	WG1017807

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	09/05/2017 20:19	WG1016832
(S) a,a,a-Trifluorotoluene(FID)	*98.3*			*77.0-120*		*09/05/2017 20:19*	WG1016832

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.283	1.41	25	09/05/2017 16:45	WG1016411	
Acrylonitrile	U		0.0507	0.283	25	09/05/2017 16:45	WG1016411	
Benzene	U		0.00764	0.0283	25	09/05/2017 16:45	WG1016411	
Bromobenzene	U		0.00803	0.0283	25	09/05/2017 16:45	WG1016411	
Bromodichloromethane	U		0.00719	0.0283	25	09/05/2017 16:45	WG1016411	
Bromochloromethane	U		0.0110	0.141	25	09/05/2017 16:45	WG1016411	
Bromoform	U		0.0120	0.0283	25	09/05/2017 16:45	WG1016411	
Bromomethane	U		0.0379	0.141	25	09/05/2017 16:45	WG1016411	
n-Butylbenzene	U		0.00730	0.0283	25	09/05/2017 16:45	WG1016411	
sec-Butylbenzene	U	J4	0.00568	0.0283	25	09/05/2017 16:45	WG1016411	
tert-Butylbenzene	U		0.00583	0.0283	25	09/05/2017 16:45	WG1016411	
Carbon disulfide	U		0.00625	0.0283	25	09/05/2017 16:45	WG1016411	
Carbon tetrachloride	U		0.00928	0.0283	25	09/05/2017 16:45	WG1016411	
Chlorobenzene	U		0.00600	0.0283	25	09/05/2017 16:45	WG1016411	
Chlorodibromomethane	U		0.0105	0.0283	25	09/05/2017 16:45	WG1016411	
Chloroethane	U		0.0267	0.141	25	09/05/2017 16:45	WG1016411	
Chloroform	U		0.00647	0.141	25	09/05/2017 16:45	WG1016411	
Chloromethane	U		0.0106	0.0707	25	09/05/2017 16:45	WG1016411	
2-Chlorotoluene	U		0.00851	0.0283	25	09/05/2017 16:45	WG1016411	
4-Chlorotoluene	U		0.00679	0.0283	25	09/05/2017 16:45	WG1016411	
1,2-Dibromo-3-Chloropropane	U		0.0296	0.141	25	09/05/2017 16:45	WG1016411	
1,2-Dibromoethane	U		0.00971	0.0283	25	09/05/2017 16:45	WG1016411	
Dibromomethane	U		0.0108	0.0283	25	09/05/2017 16:45	WG1016411	
1,2-Dichlorobenzene	U		0.00862	0.0283	25	09/05/2017 16:45	WG1016411	
1,3-Dichlorobenzene	U		0.00677	0.0283	25	09/05/2017 16:45	WG1016411	
1,4-Dichlorobenzene	U		0.00639	0.0283	25	09/05/2017 16:45	WG1016411	
Dichlorodifluoromethane	U		0.0201	0.141	25	09/05/2017 16:45	WG1016411	
1,1-Dichloroethane	U		0.00564	0.0283	25	09/05/2017 16:45	WG1016411	
1,2-Dichloroethane	U		0.00749	0.0283	25	09/05/2017 16:45	WG1016411	
1,1-Dichloroethene	U		0.00858	0.0283	25	09/05/2017 16:45	WG1016411	
cis-1,2-Dichloroethene	0.00753 J	J	0.00665	0.0283	25	09/05/2017 16:45	WG1016411	
trans-1,2-Dichloroethene	U		0.00747	0.0283	25	09/05/2017 16:45	WG1016411	
1,2-Dichloropropane	U		0.0101	0.0283	25	09/05/2017 16:45	WG1016411	
1,1-Dichloropropene	U		0.00896	0.0283	25	09/05/2017 16:45	WG1016411	
1,3-Dichloropropane	U		0.00586	0.0283	25	09/05/2017 16:45	WG1016411	
cis-1,3-Dichloropropene	U		0.00741	0.0283	25	09/05/2017 16:45	WG1016411	
trans-1,3-Dichloropropene	U		0.00756	0.0283	25	09/05/2017 16:45	WG1016411	
trans-1,4-Dichloro-2-butene	U		0.0220	0.0707	25	09/05/2017 16:45	WG1016411	JC 10/12/17
2,2-Dichloropropane	U		0.00790	0.0283	25	09/05/2017 16:45	WG1016411	
Di-isopropyl ether	U		0.00702	0.0283	25	09/05/2017 16:45	WG1016411	
Ethylbenzene	U		0.00840	0.0283	25	09/05/2017 16:45	WG1016411	
Hexachloro-1,3-butadiene	U		0.00968	0.0283	25	09/05/2017 16:45	WG1016411	
2-Hexanone	U		0.0387	0.283	25	09/05/2017 16:45	WG1016411	
n-Hexane	0.0117 J	J	0.00820	0.283	25	09/05/2017 16:45	WG1016411	

Volatile Organic Compounds (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		0.0715	0.283	25	09/05/2017 16:45	WG1016411
Isopropylbenzene	U		0.00688	0.0283	25	09/05/2017 16:45	WG1016411
p-Isopropyltoluene	U		0.00577	0.0283	25	09/05/2017 16:45	WG1016411
2-Butanone (MEK)	U		0.132	0.283	25	09/05/2017 16:45	WG1016411
Methylene Chloride	U		0.0283	0.141	25	09/05/2017 16:45	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.0532	0.283	25	09/05/2017 16:45	WG1016411
Methyl tert-butyl ether	U		0.00600	0.0283	25	09/05/2017 16:45	WG1016411
Naphthalene	U		0.0283	0.141	25	09/05/2017 16:45	WG1016411
n-Propylbenzene	U	J4	0.00583	0.0283	25	09/05/2017 16:45	WG1016411
Styrene	U		0.00662	0.0283	25	09/05/2017 16:45	WG1016411
1,1,1,2-Tetrachloroethane	U		0.00747	0.0283	25	09/05/2017 16:45	WG1016411
1,1,2,2-Tetrachloroethane	U		0.0103	0.0283	25	09/05/2017 16:45	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0283	25	09/05/2017 16:45	WG1016411
Tetrachloroethene	U		0.00781	0.0283	25	09/05/2017 16:45	WG1016411
Toluene	U		0.0122	0.141	25	09/05/2017 16:45	WG1016411
1,2,3-Trichlorobenzene	U		0.00866	0.0283	25	09/05/2017 16:45	WG1016411
1,2,4-Trichlorobenzene	U		0.0110	0.0283	25	09/05/2017 16:45	WG1016411
1,1,1-Trichloroethane	U		0.00809	0.0283	25	09/05/2017 16:45	WG1016411
1,1,2-Trichloroethane	U		0.00783	0.0283	25	09/05/2017 16:45	WG1016411
Trichloroethene	U		0.00790	0.0283	25	09/05/2017 16:45	WG1016411
Trichlorofluoromethane	U		0.0108	0.141	25	09/05/2017 16:45	WG1016411
1,2,3-Trichloropropane	U		0.0209	0.0707	25	09/05/2017 16:45	WG1016411
1,2,4-Trimethylbenzene	U		0.00597	0.0283	25	09/05/2017 16:45	WG1016411
1,2,3-Trimethylbenzene	U		0.00813	0.0283	25	09/05/2017 16:45	WG1016411
1,3,5-Trimethylbenzene	U		0.00753	0.0283	25	09/05/2017 16:45	WG1016411
Vinyl acetate	U		0.0677	0.283	25	09/05/2017 16:45	WG1016411
Vinyl chloride	U		0.00824	0.0283	25	09/05/2017 16:45	WG1016411
Xylenes, Total	U		0.0197	0.0849	25	09/05/2017 16:45	WG1016411
(S) Toluene-d8	*101*			*80.0-120*		*09/05/2017 16:45*	WG1016411
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*09/05/2017 16:45*	WG1016411
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*09/05/2017 16:45*	WG1016411

Sample Narrative:

L933455-04 WG1016411: No low level sodium bisulfite vial remaining.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	09/08/2017 09:23	WG1017807

Volatile Organic Compounds (GC/MS) 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	0.0565	1	09/05/2017 17:11	WG1016411
Acrylonitrile	U		0.00202	0.0113	1	09/05/2017 17:11	WG1016411
Benzene	U		0.000305	0.00113	1	09/05/2017 17:11	WG1016411
Bromobenzene	U		0.000321	0.00113	1	09/05/2017 17:11	WG1016411
Bromodichloromethane	U		0.000287	0.00113	1	09/05/2017 17:11	WG1016411
Bromochloromethane	U		0.000441	0.00565	1	09/05/2017 17:11	WG1016411
Bromoform	U		0.000479	0.00113	1	09/05/2017 17:11	WG1016411
Bromomethane	U		0.00152	0.00565	1	09/05/2017 17:11	WG1016411
n-Butylbenzene	U		0.000292	0.00113	1	09/05/2017 17:11	WG1016411
sec-Butylbenzene	U	J4	0.000227	0.00113	1	09/05/2017 17:11	WG1016411
tert-Butylbenzene	U		0.000233	0.00113	1	09/05/2017 17:11	WG1016411
Carbon disulfide	U		0.000250	0.00113	1	09/05/2017 17:11	WG1016411
Carbon tetrachloride	U		0.000371	0.00113	1	09/05/2017 17:11	WG1016411
Chlorobenzene	U		0.000240	0.00113	1	09/05/2017 17:11	WG1016411
Chlorodibromomethane	U		0.000422	0.00113	1	09/05/2017 17:11	WG1016411
Chloroethane	U		0.00107	0.00565	1	09/05/2017 17:11	WG1016411
Chloroform	U		0.000259	0.00565	1	09/05/2017 17:11	WG1016411
Chloromethane	U		0.000424	0.00283	1	09/05/2017 17:11	WG1016411
2-Chlorotoluene	U		0.000340	0.00113	1	09/05/2017 17:11	WG1016411
4-Chlorotoluene	U		0.000271	0.00113	1	09/05/2017 17:11	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	09/05/2017 17:11	WG1016411
1,2-Dibromoethane	U		0.000388	0.00113	1	09/05/2017 17:11	WG1016411
Dibromomethane	U		0.000432	0.00113	1	09/05/2017 17:11	WG1016411
1,2-Dichlorobenzene	U		0.000345	0.00113	1	09/05/2017 17:11	WG1016411
1,3-Dichlorobenzene	U		0.000270	0.00113	1	09/05/2017 17:11	WG1016411
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/05/2017 17:11	WG1016411
Dichlorodifluoromethane	U		0.000806	0.00565	1	09/05/2017 17:11	WG1016411
1,1-Dichloroethane	U		0.000225	0.00113	1	09/05/2017 17:11	WG1016411
1,2-Dichloroethane	U		0.000300	0.00113	1	09/05/2017 17:11	WG1016411
1,1-Dichloroethene	U		0.000343	0.00113	1	09/05/2017 17:11	WG1016411
cis-1,2-Dichloroethene	U		0.000266	0.00113	1	09/05/2017 17:11	WG1016411
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	09/05/2017 17:11	WG1016411
1,2-Dichloropropane	U		0.000405	0.00113	1	09/05/2017 17:11	WG1016411
1,1-Dichloropropene	U		0.000358	0.00113	1	09/05/2017 17:11	WG1016411
1,3-Dichloropropane	U		0.000234	0.00113	1	09/05/2017 17:11	WG1016411
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	09/05/2017 17:11	WG1016411
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	09/05/2017 17:11	WG1016411
trans-1,4-Dichloro-2-butene	U		0.000880	0.00283	1	09/05/2017 17:11	WG1016411
2,2-Dichloropropane	U		0.000315	0.00113	1	09/05/2017 17:11	WG1016411
Di-isopropyl ether	U		0.000280	0.00113	1	09/05/2017 17:11	WG1016411
Ethylbenzene	U		0.000336	0.00113	1	09/05/2017 17:11	WG1016411
Hexachloro-1,3-butadiene	U		0.000387	0.00113	1	09/05/2017 17:11	WG1016411
2-Hexanone	U		0.00155	0.0113	1	09/05/2017 17:11	WG1016411
n-Hexane	0.000357	J J	0.000328	0.0113	1	09/05/2017 17:11	WG1016411
Iodomethane	U		0.00286	0.0113	1	09/05/2017 17:11	WG1016411
Isopropylbenzene	U		0.000275	0.00113	1	09/05/2017 17:11	WG1016411
p-Isopropyltoluene	U		0.000231	0.00113	1	09/05/2017 17:11	WG1016411
2-Butanone (MEK)	U		0.00529	0.0113	1	09/05/2017 17:11	WG1016411
Methylene Chloride	U		0.00113	0.00565	1	09/05/2017 17:11	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	09/05/2017 17:11	WG1016411

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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	09/05/2017 17:11	WG1016411
Naphthalene	U		0.00113	0.00565	1	09/05/2017 17:11	WG1016411
n-Propylbenzene	U	J4	0.000233	0.00113	1	09/05/2017 17:11	WG1016411
Styrene	U		0.000265	0.00113	1	09/05/2017 17:11	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	09/05/2017 17:11	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000413	0.00113	1	09/05/2017 17:11	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000413	0.00113	1	09/05/2017 17:11	WG1016411
Tetrachloroethene	U		0.000312	0.00113	1	09/05/2017 17:11	WG1016411
Toluene	U		0.000491	0.00565	1	09/05/2017 17:11	WG1016411
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	09/05/2017 17:11	WG1016411
1,2,4-Trichlorobenzene	U		0.000439	0.00113	1	09/05/2017 17:11	WG1016411
1,1,1-Trichloroethane	U		0.000323	0.00113	1	09/05/2017 17:11	WG1016411
1,1,2-Trichloroethane	U		0.000313	0.00113	1	09/05/2017 17:11	WG1016411
Trichloroethene	U		0.000315	0.00113	1	09/05/2017 17:11	WG1016411
Trichlorofluoromethane	U		0.000432	0.00565	1	09/05/2017 17:11	WG1016411
1,2,3-Trichloropropane	U		0.000838	0.00283	1	09/05/2017 17:11	WG1016411
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	09/05/2017 17:11	WG1016411
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	09/05/2017 17:11	WG1016411
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	09/05/2017 17:11	WG1016411
Vinyl acetate	U		0.00270	0.0113	1	09/05/2017 17:11	WG1016411
Vinyl chloride	U		0.000329	0.00113	1	09/05/2017 17:11	WG1016411
Xylenes, Total	U		0.000789	0.00339	1	09/05/2017 17:11	WG1016411
(S) Toluene-d8	*95.1*			*80.0-120*		*09/05/2017 17:11*	WG1016411
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/05/2017 17:11*	WG1016411
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/05/2017 17:11*	WG1016411

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	09/08/2017 09:23	WG1017807

Volatile Organic Compounds (GC/MS) 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	0.282	1.41	25	09/06/2017 12:42	WG1016411	
Acrylonitrile	U		0.0506	0.282	25	09/06/2017 12:42	WG1016411	
Benzene	U		0.00762	0.0282	25	09/06/2017 12:42	WG1016411	
Bromobenzene	U UJ	J0	0.00802	0.0282	25	09/06/2017 12:42	WG1016411	
Bromodichloromethane	U		0.00717	0.0282	25	09/06/2017 12:42	WG1016411	
Bromochloromethane	U		0.0110	0.141	25	09/06/2017 12:42	WG1016411	
Bromoform	U		0.0120	0.0282	25	09/06/2017 12:42	WG1016411	
Bromomethane	U		0.0378	0.141	25	09/06/2017 12:42	WG1016411	
n-Butylbenzene	U		0.00728	0.0282	25	09/06/2017 12:42	WG1016411	
sec-Butylbenzene	U	J4	0.00567	0.0282	25	09/06/2017 12:42	WG1016411	
tert-Butylbenzene	U		0.00582	0.0282	25	09/06/2017 12:42	WG1016411	
Carbon disulfide	U		0.00623	0.0282	25	09/06/2017 12:42	WG1016411	
Carbon tetrachloride	U		0.00926	0.0282	25	09/06/2017 12:42	WG1016411	
Chlorobenzene	U		0.00599	0.0282	25	09/06/2017 12:42	WG1016411	
Chlorodibromomethane	U		0.0105	0.0282	25	09/06/2017 12:42	WG1016411	
Chloroethane	U UJ	J0	0.0267	0.141	25	09/06/2017 12:42	WG1016411	
Chloroform	U		0.00646	0.141	25	09/06/2017 12:42	WG1016411	
Chloromethane	U UJ	J0	0.0106	0.0706	25	09/06/2017 12:42	WG1016411	
2-Chlorotoluene	U		0.00849	0.0282	25	09/06/2017 12:42	WG1016411	
4-Chlorotoluene	U		0.00678	0.0282	25	09/06/2017 12:42	WG1016411	
1,2-Dibromo-3-Chloropropane	U		0.0296	0.141	25	09/06/2017 12:42	WG1016411	
1,2-Dibromoethane	U		0.00969	0.0282	25	09/06/2017 12:42	WG1016411	
Dibromomethane	U		0.0108	0.0282	25	09/06/2017 12:42	WG1016411	
1,2-Dichlorobenzene	U		0.00861	0.0282	25	09/06/2017 12:42	WG1016411	
1,3-Dichlorobenzene	U		0.00675	0.0282	25	09/06/2017 12:42	WG1016411	
1,4-Dichlorobenzene	U		0.00638	0.0282	25	09/06/2017 12:42	WG1016411	
Dichlorodifluoromethane	U		0.0201	0.141	25	09/06/2017 12:42	WG1016411	
1,1-Dichloroethane	U		0.00562	0.0282	25	09/06/2017 12:42	WG1016411	
1,2-Dichloroethane	U		0.00748	0.0282	25	09/06/2017 12:42	WG1016411	
1,1-Dichloroethene	U		0.00856	0.0282	25	09/06/2017 12:42	WG1016411	
cis-1,2-Dichloroethene	U		0.00664	0.0282	25	09/06/2017 12:42	WG1016411	
trans-1,2-Dichloroethene	U		0.00745	0.0282	25	09/06/2017 12:42	WG1016411	
1,2-Dichloropropane	U		0.0101	0.0282	25	09/06/2017 12:42	WG1016411	
1,1-Dichloropropene	U		0.00894	0.0282	25	09/06/2017 12:42	WG1016411	
1,3-Dichloropropane	U		0.00585	0.0282	25	09/06/2017 12:42	WG1016411	JC 10/12/17
cis-1,3-Dichloropropene	U		0.00740	0.0282	25	09/06/2017 12:42	WG1016411	
trans-1,3-Dichloropropene	U		0.00754	0.0282	25	09/06/2017 12:42	WG1016411	
trans-1,4-Dichloro-2-butene	U UJ	J0	0.0219	0.0706	25	09/06/2017 12:42	WG1016411	
2,2-Dichloropropane	U		0.00788	0.0282	25	09/06/2017 12:42	WG1016411	
Di-isopropyl ether	U UJ	J0	0.00700	0.0282	25	09/06/2017 12:42	WG1016411	
Ethylbenzene	U		0.00838	0.0282	25	09/06/2017 12:42	WG1016411	
Hexachloro-1,3-butadiene	U		0.00966	0.0282	25	09/06/2017 12:42	WG1016411	
2-Hexanone	U		0.0386	0.282	25	09/06/2017 12:42	WG1016411	
n-Hexane	0.0157 J	J J0	0.00819	0.282	25	09/06/2017 12:42	WG1016411	
Iodomethane	U		0.0714	0.282	25	09/06/2017 12:42	WG1016411	
Isopropylbenzene	U		0.00687	0.0282	25	09/06/2017 12:42	WG1016411	
p-Isopropyltoluene	U		0.00576	0.0282	25	09/06/2017 12:42	WG1016411	
2-Butanone (MEK)	U UJ	J0	0.132	0.282	25	09/06/2017 12:42	WG1016411	
Methylene Chloride	U		0.0282	0.141	25	09/06/2017 12:42	WG1016411	
4-Methyl-2-pentanone (MIBK)	U		0.0531	0.282	25	09/06/2017 12:42	WG1016411	

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00599	0.0282	25	09/06/2017 12:42	WG1016411
Naphthalene	U		0.0282	0.141	25	09/06/2017 12:42	WG1016411
n-Propylbenzene	U	J4	0.00582	0.0282	25	09/06/2017 12:42	WG1016411
Styrene	U		0.00661	0.0282	25	09/06/2017 12:42	WG1016411
1,1,1,2-Tetrachloroethane	U		0.00745	0.0282	25	09/06/2017 12:42	WG1016411
1,1,2,2-Tetrachloroethane	U		0.0103	0.0282	25	09/06/2017 12:42	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.0103	0.0282	25	09/06/2017 12:42	WG1016411
Tetrachloroethene	U		0.00779	0.0282	25	09/06/2017 12:42	WG1016411
Toluene	U		0.0122	0.141	25	09/06/2017 12:42	WG1016411
1,2,3-Trichlorobenzene	U		0.00864	0.0282	25	09/06/2017 12:42	WG1016411
1,2,4-Trichlorobenzene	U		0.0110	0.0282	25	09/06/2017 12:42	WG1016411
1,1,1-Trichloroethane	U		0.00808	0.0282	25	09/06/2017 12:42	WG1016411
1,1,2-Trichloroethane	U		0.00782	0.0282	25	09/06/2017 12:42	WG1016411
Trichloroethene	U		0.00788	0.0282	25	09/06/2017 12:42	WG1016411
Trichlorofluoromethane	U		0.0108	0.141	25	09/06/2017 12:42	WG1016411
1,2,3-Trichloropropane	U		0.0209	0.0706	25	09/06/2017 12:42	WG1016411
1,2,4-Trimethylbenzene	U		0.00596	0.0282	25	09/06/2017 12:42	WG1016411
1,2,3-Trimethylbenzene	U		0.00811	0.0282	25	09/06/2017 12:42	WG1016411
1,3,5-Trimethylbenzene	U		0.00751	0.0282	25	09/06/2017 12:42	WG1016411
Vinyl acetate	U		0.0675	0.282	25	09/06/2017 12:42	WG1016411
Vinyl chloride	U		0.00822	0.0282	25	09/06/2017 12:42	WG1016411
Xylenes, Total	U		0.0197	0.0847	25	09/06/2017 12:42	WG1016411
(S) Toluene-d8	*113*			*80.0-120*		*09/06/2017 12:42*	WG1016411
(S) Dibromofluoromethane	*89.7*			*74.0-131*		*09/06/2017 12:42*	WG1016411
(S) 4-Bromofluorobenzene	*93.7*			*64.0-132*		*09/06/2017 12:42*	WG1016411

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/07/2017 16:54	WG1017937

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0138 J	J	0.0110	0.0549	1	09/05/2017 18:02	WG1016411
Acrylonitrile	U		0.00197	0.0110	1	09/05/2017 18:02	WG1016411
Benzene	0.000533 J	J	0.000296	0.00110	1	09/05/2017 18:02	WG1016411
Bromobenzene	U		0.000312	0.00110	1	09/05/2017 18:02	WG1016411
Bromodichloromethane	U		0.000279	0.00110	1	09/05/2017 18:02	WG1016411
Bromochloromethane	U		0.000428	0.00549	1	09/05/2017 18:02	WG1016411
Bromoform	U		0.000466	0.00110	1	09/05/2017 18:02	WG1016411
Bromomethane	U		0.00147	0.00549	1	09/05/2017 18:02	WG1016411
n-Butylbenzene	U		0.000283	0.00110	1	09/05/2017 18:02	WG1016411
sec-Butylbenzene	U	J4	0.000221	0.00110	1	09/05/2017 18:02	WG1016411
tert-Butylbenzene	U		0.000226	0.00110	1	09/05/2017 18:02	WG1016411
Carbon disulfide	0.000859 J	J	0.000243	0.00110	1	09/05/2017 18:02	WG1016411
Carbon tetrachloride	U		0.000360	0.00110	1	09/05/2017 18:02	WG1016411
Chlorobenzene	U		0.000233	0.00110	1	09/05/2017 18:02	WG1016411
Chlorodibromomethane	U		0.000410	0.00110	1	09/05/2017 18:02	WG1016411
Chloroethane	U		0.00104	0.00549	1	09/05/2017 18:02	WG1016411
Chloroform	U		0.000251	0.00549	1	09/05/2017 18:02	WG1016411
Chloromethane	U		0.000412	0.00274	1	09/05/2017 18:02	WG1016411
2-Chlorotoluene	U		0.000330	0.00110	1	09/05/2017 18:02	WG1016411
4-Chlorotoluene	U		0.000264	0.00110	1	09/05/2017 18:02	WG1016411
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	09/05/2017 18:02	WG1016411
1,2-Dibromoethane	U		0.000377	0.00110	1	09/05/2017 18:02	WG1016411
Dibromomethane	U		0.000419	0.00110	1	09/05/2017 18:02	WG1016411
1,2-Dichlorobenzene	U		0.000335	0.00110	1	09/05/2017 18:02	WG1016411
1,3-Dichlorobenzene	U		0.000262	0.00110	1	09/05/2017 18:02	WG1016411
1,4-Dichlorobenzene	U		0.000248	0.00110	1	09/05/2017 18:02	WG1016411
Dichlorodifluoromethane	U		0.000783	0.00549	1	09/05/2017 18:02	WG1016411
1,1-Dichloroethane	U		0.000218	0.00110	1	09/05/2017 18:02	WG1016411
1,2-Dichloroethane	U		0.000291	0.00110	1	09/05/2017 18:02	WG1016411
1,1-Dichloroethene	U		0.000333	0.00110	1	09/05/2017 18:02	WG1016411
cis-1,2-Dichloroethene	U		0.000258	0.00110	1	09/05/2017 18:02	WG1016411
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	09/05/2017 18:02	WG1016411
1,2-Dichloropropane	U		0.000393	0.00110	1	09/05/2017 18:02	WG1016411
1,1-Dichloropropene	U		0.000348	0.00110	1	09/05/2017 18:02	WG1016411
1,3-Dichloropropane	U		0.000227	0.00110	1	09/05/2017 18:02	WG1016411
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	09/05/2017 18:02	WG1016411
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	09/05/2017 18:02	WG1016411
trans-1,4-Dichloro-2-butene	U		0.000854	0.00274	1	09/05/2017 18:02	WG1016411
2,2-Dichloropropane	U		0.000306	0.00110	1	09/05/2017 18:02	WG1016411
Di-isopropyl ether	U		0.000272	0.00110	1	09/05/2017 18:02	WG1016411
Ethylbenzene	U		0.000326	0.00110	1	09/05/2017 18:02	WG1016411
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	09/05/2017 18:02	WG1016411
2-Hexanone	U		0.00150	0.0110	1	09/05/2017 18:02	WG1016411
n-Hexane	U		0.000318	0.0110	1	09/05/2017 18:02	WG1016411
Iodomethane	U		0.00278	0.0110	1	09/05/2017 18:02	WG1016411
Isopropylbenzene	U		0.000267	0.00110	1	09/05/2017 18:02	WG1016411
p-Isopropyltoluene	U		0.000224	0.00110	1	09/05/2017 18:02	WG1016411
2-Butanone (MEK)	U		0.00514	0.0110	1	09/05/2017 18:02	WG1016411
Methylene Chloride	U		0.00110	0.00549	1	09/05/2017 18:02	WG1016411
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	09/05/2017 18:02	WG1016411

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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		0.000233	0.00110	1	09/05/2017 18:02	WG1016411
Naphthalene	U		0.00110	0.00549	1	09/05/2017 18:02	WG1016411
n-Propylbenzene	U	J4	0.000226	0.00110	1	09/05/2017 18:02	WG1016411
Styrene	U		0.000257	0.00110	1	09/05/2017 18:02	WG1016411
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	09/05/2017 18:02	WG1016411
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	09/05/2017 18:02	WG1016411
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	09/05/2017 18:02	WG1016411
Tetrachloroethene	U		0.000303	0.00110	1	09/05/2017 18:02	WG1016411
Toluene	U		0.000477	0.00549	1	09/05/2017 18:02	WG1016411
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	09/05/2017 18:02	WG1016411
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	09/05/2017 18:02	WG1016411
1,1,1-Trichloroethane	U		0.000314	0.00110	1	09/05/2017 18:02	WG1016411
1,1,2-Trichloroethane	U		0.000304	0.00110	1	09/05/2017 18:02	WG1016411
Trichloroethene	U		0.000306	0.00110	1	09/05/2017 18:02	WG1016411
Trichlorofluoromethane	U		0.000419	0.00549	1	09/05/2017 18:02	WG1016411
1,2,3-Trichloropropane	U		0.000814	0.00274	1	09/05/2017 18:02	WG1016411
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/05/2017 18:02	WG1016411
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	09/05/2017 18:02	WG1016411
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	09/05/2017 18:02	WG1016411
Vinyl acetate	U		0.00262	0.0110	1	09/05/2017 18:02	WG1016411
Vinyl chloride	U		0.000319	0.00110	1	09/05/2017 18:02	WG1016411
Xylenes, Total	U		0.000766	0.00329	1	09/05/2017 18:02	WG1016411
(S) Toluene-d8	*95.7*			*80.0-120*		*09/05/2017 18:02*	WG1016411
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/05/2017 18:02*	WG1016411
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/05/2017 18:02*	WG1016411

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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	745		158	500	5	09/03/2017 18:37	WG1016529
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*77.0-122*		*09/03/2017 18:37*	WG1016529

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	44.6 J	J	5.25	125	5	09/02/2017 17:10	WG1016388
Acrylonitrile	U		4.36	25.0	5	09/02/2017 17:10	WG1016388
Benzene	0.658 J	J	0.448	2.50	5	09/02/2017 17:10	WG1016388
Bromobenzene	U		0.665	2.50	5	09/02/2017 17:10	WG1016388
Bromodichloromethane	U		0.400	2.50	5	09/02/2017 17:10	WG1016388
Bromochloromethane	U		0.725	2.50	5	09/02/2017 17:10	WG1016388
Bromoform	U		0.930	2.50	5	09/02/2017 17:10	WG1016388
Bromomethane	U		0.785	12.5	5	09/02/2017 17:10	WG1016388
n-Butylbenzene	U		0.715	2.50	5	09/02/2017 17:10	WG1016388
sec-Butylbenzene	U		0.670	2.50	5	09/02/2017 17:10	WG1016388
tert-Butylbenzene	U		0.915	2.50	5	09/02/2017 17:10	WG1016388
Carbon disulfide	U		0.505	2.50	5	09/02/2017 17:10	WG1016388
Carbon tetrachloride	U		0.795	2.50	5	09/02/2017 17:10	WG1016388
Chlorobenzene	U		0.700	2.50	5	09/02/2017 17:10	WG1016388
Chlorodibromomethane	U		0.640	2.50	5	09/02/2017 17:10	WG1016388
Chloroethane	U		0.705	12.5	5	09/02/2017 17:10	WG1016388
Chloroform	U		0.430	2.50	5	09/02/2017 17:10	WG1016388
Chloromethane	U		0.765	6.25	5	09/02/2017 17:10	WG1016388
2-Chlorotoluene	U		0.555	2.50	5	09/02/2017 17:10	WG1016388
4-Chlorotoluene	U		0.486	2.50	5	09/02/2017 17:10	WG1016388
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	09/02/2017 17:10	WG1016388
1,2-Dibromoethane	U		0.965	2.50	5	09/02/2017 17:10	WG1016388
Dibromomethane	U		0.585	2.50	5	09/02/2017 17:10	WG1016388
1,2-Dichlorobenzene	U		0.505	2.50	5	09/02/2017 17:10	WG1016388
1,3-Dichlorobenzene	U		0.650	2.50	5	09/02/2017 17:10	WG1016388
1,4-Dichlorobenzene	U		0.605	2.50	5	09/02/2017 17:10	WG1016388
Dichlorodifluoromethane	U		0.635	12.5	5	09/02/2017 17:10	WG1016388
1,1-Dichloroethane	U		0.570	2.50	5	09/02/2017 17:10	WG1016388
1,2-Dichloroethane	U		0.540	2.50	5	09/02/2017 17:10	WG1016388
1,1-Dichloroethene	U		0.940	2.50	5	09/02/2017 17:10	WG1016388
cis-1,2-Dichloroethene	4.46		0.466	2.50	5	09/02/2017 17:10	WG1016388
trans-1,2-Dichloroethene	U		0.760	2.50	5	09/02/2017 17:10	WG1016388
1,2-Dichloropropane	U		0.950	2.50	5	09/02/2017 17:10	WG1016388
1,1-Dichloropropene	U		0.640	2.50	5	09/02/2017 17:10	WG1016388
1,3-Dichloropropane	U		0.735	5.00	5	09/02/2017 17:10	WG1016388
cis-1,3-Dichloropropene	U		0.488	2.50	5	09/02/2017 17:10	WG1016388
trans-1,3-Dichloropropene	U		1.11	2.50	5	09/02/2017 17:10	WG1016388 JC 10/12/17
trans-1,4-Dichloro-2-butene	U		1.28	25.0	5	09/02/2017 17:10	WG1016388
2,2-Dichloropropane	U		0.464	2.50	5	09/02/2017 17:10	WG1016388
Di-isopropyl ether	U		0.462	2.50	5	09/02/2017 17:10	WG1016388
Ethylbenzene	U		0.790	2.50	5	09/02/2017 17:10	WG1016388
Hexachloro-1,3-butadiene	U		0.785	5.00	5	09/02/2017 17:10	WG1016388
2-Hexanone	U		3.78	25.0	5	09/02/2017 17:10	WG1016388
n-Hexane	2.43 J	J	1.52	25.0	5	09/02/2017 17:10	WG1016388
Iodomethane	U		1.88	50.0	5	09/02/2017 17:10	WG1016388
Isopropylbenzene	U		0.630	2.50	5	09/02/2017 17:10	WG1016388
p-Isopropyltoluene	U		0.690	2.50	5	09/02/2017 17:10	WG1016388
2-Butanone (MEK)	12.2 J	J	6.40	25.0	5	09/02/2017 17:10	WG1016388

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		5.35	12.5	5	09/02/2017 17:10	WG1016388
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	09/02/2017 17:10	WG1016388
Methyl tert-butyl ether	U		0.510	2.50	5	09/02/2017 17:10	WG1016388
Naphthalene	U		0.870	12.5	5	09/02/2017 17:10	WG1016388
n-Propylbenzene	U		0.810	2.50	5	09/02/2017 17:10	WG1016388
Styrene	U		0.585	2.50	5	09/02/2017 17:10	WG1016388
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	09/02/2017 17:10	WG1016388
1,1,2,2-Tetrachloroethane	U		0.650	2.50	5	09/02/2017 17:10	WG1016388
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	09/02/2017 17:10	WG1016388
Tetrachloroethene	U		0.995	2.50	5	09/02/2017 17:10	WG1016388
Toluene	151		2.06	2.50	5	09/02/2017 17:10	WG1016388
1,2,3-Trichlorobenzene	U		0.820	2.50	5	09/02/2017 17:10	WG1016388
1,2,4-Trichlorobenzene	U		1.78	2.50	5	09/02/2017 17:10	WG1016388
1,1,1-Trichloroethane	U		0.470	2.50	5	09/02/2017 17:10	WG1016388
1,1,2-Trichloroethane	U		0.930	2.50	5	09/02/2017 17:10	WG1016388
Trichloroethene	U		0.765	2.50	5	09/02/2017 17:10	WG1016388
Trichlorofluoromethane	U		0.650	12.5	5	09/02/2017 17:10	WG1016388
1,2,3-Trichloropropane	U		1.24	12.5	5	09/02/2017 17:10	WG1016388
1,2,4-Trimethylbenzene	U		0.615	2.50	5	09/02/2017 17:10	WG1016388
1,2,3-Trimethylbenzene	U		0.370	2.50	5	09/02/2017 17:10	WG1016388
1,3,5-Trimethylbenzene	U		0.620	2.50	5	09/02/2017 17:10	WG1016388
Vinyl acetate	U		3.22	25.0	5	09/02/2017 17:10	WG1016388
Vinyl chloride	U		0.590	2.50	5	09/02/2017 17:10	WG1016388
Xylenes, Total	U		1.58	7.50	5	09/02/2017 17:10	WG1016388
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2017 17:10*	WG1016388
(S) Dibromofluoromethane	*105*			*76.0-123*		*09/02/2017 17:10*	WG1016388
(S) 4-Bromofluorobenzene	*99.0*			*80.0-120*		*09/02/2017 17:10*	WG1016388

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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	631		31.6	100	1	09/03/2017 19:01	WG1016529
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-122*		*09/03/2017 19:01*	WG1016529

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	45.1 J	J	5.25	125	5	09/02/2017 17:30	WG1016388
Acrylonitrile	U		4.36	25.0	5	09/02/2017 17:30	WG1016388
Benzene	U		0.448	2.50	5	09/02/2017 17:30	WG1016388
Bromobenzene	U		0.665	2.50	5	09/02/2017 17:30	WG1016388
Bromodichloromethane	U		0.400	2.50	5	09/02/2017 17:30	WG1016388
Bromochloromethane	U		0.725	2.50	5	09/02/2017 17:30	WG1016388
Bromoform	U		0.930	2.50	5	09/02/2017 17:30	WG1016388
Bromomethane	U		0.785	12.5	5	09/02/2017 17:30	WG1016388
n-Butylbenzene	U		0.715	2.50	5	09/02/2017 17:30	WG1016388
sec-Butylbenzene	U		0.670	2.50	5	09/02/2017 17:30	WG1016388
tert-Butylbenzene	U		0.915	2.50	5	09/02/2017 17:30	WG1016388
Carbon disulfide	U		0.505	2.50	5	09/02/2017 17:30	WG1016388
Carbon tetrachloride	U		0.795	2.50	5	09/02/2017 17:30	WG1016388
Chlorobenzene	U		0.700	2.50	5	09/02/2017 17:30	WG1016388
Chlorodibromomethane	U		0.640	2.50	5	09/02/2017 17:30	WG1016388
Chloroethane	U		0.705	12.5	5	09/02/2017 17:30	WG1016388
Chloroform	U		0.430	2.50	5	09/02/2017 17:30	WG1016388
Chloromethane	U		0.765	6.25	5	09/02/2017 17:30	WG1016388
2-Chlorotoluene	U		0.555	2.50	5	09/02/2017 17:30	WG1016388
4-Chlorotoluene	U		0.486	2.50	5	09/02/2017 17:30	WG1016388
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	09/02/2017 17:30	WG1016388
1,2-Dibromoethane	U		0.965	2.50	5	09/02/2017 17:30	WG1016388
Dibromomethane	U		0.585	2.50	5	09/02/2017 17:30	WG1016388
1,2-Dichlorobenzene	U		0.505	2.50	5	09/02/2017 17:30	WG1016388
1,3-Dichlorobenzene	U		0.650	2.50	5	09/02/2017 17:30	WG1016388
1,4-Dichlorobenzene	U		0.605	2.50	5	09/02/2017 17:30	WG1016388
Dichlorodifluoromethane	U		0.635	12.5	5	09/02/2017 17:30	WG1016388
1,1-Dichloroethane	U		0.570	2.50	5	09/02/2017 17:30	WG1016388
1,2-Dichloroethane	U		0.540	2.50	5	09/02/2017 17:30	WG1016388
1,1-Dichloroethene	U		0.940	2.50	5	09/02/2017 17:30	WG1016388
cis-1,2-Dichloroethene	2.86		0.466	2.50	5	09/02/2017 17:30	WG1016388
trans-1,2-Dichloroethene	U		0.760	2.50	5	09/02/2017 17:30	WG1016388
1,2-Dichloropropane	U		0.950	2.50	5	09/02/2017 17:30	WG1016388
1,1-Dichloropropene	U		0.640	2.50	5	09/02/2017 17:30	WG1016388
1,3-Dichloropropane	U		0.735	5.00	5	09/02/2017 17:30	WG1016388
cis-1,3-Dichloropropene	U		0.488	2.50	5	09/02/2017 17:30	WG1016388
trans-1,3-Dichloropropene	U		1.11	2.50	5	09/02/2017 17:30	WG1016388
trans-1,4-Dichloro-2-butene	U		1.28	25.0	5	09/02/2017 17:30	WG1016388
2,2-Dichloropropane	U		0.464	2.50	5	09/02/2017 17:30	WG1016388
Di-isopropyl ether	U		0.462	2.50	5	09/02/2017 17:30	WG1016388
Ethylbenzene	U		0.790	2.50	5	09/02/2017 17:30	WG1016388
Hexachloro-1,3-butadiene	U		0.785	5.00	5	09/02/2017 17:30	WG1016388
2-Hexanone	U		3.78	25.0	5	09/02/2017 17:30	WG1016388
n-Hexane	U		1.52	25.0	5	09/02/2017 17:30	WG1016388
Iodomethane	U		1.88	50.0	5	09/02/2017 17:30	WG1016388
Isopropylbenzene	U		0.630	2.50	5	09/02/2017 17:30	WG1016388
p-Isopropyltoluene	U		0.690	2.50	5	09/02/2017 17:30	WG1016388
2-Butanone (MEK)	9.66 J	J	6.40	25.0	5	09/02/2017 17:30	WG1016388

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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		5.35	12.5	5	09/02/2017 17:30	WG1016388
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	09/02/2017 17:30	WG1016388
Methyl tert-butyl ether	U		0.510	2.50	5	09/02/2017 17:30	WG1016388
Naphthalene	U		0.870	12.5	5	09/02/2017 17:30	WG1016388
n-Propylbenzene	U		0.810	2.50	5	09/02/2017 17:30	WG1016388
Styrene	U		0.585	2.50	5	09/02/2017 17:30	WG1016388
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	09/02/2017 17:30	WG1016388
1,1,2,2-Tetrachloroethane	U		0.650	2.50	5	09/02/2017 17:30	WG1016388
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	09/02/2017 17:30	WG1016388
Tetrachloroethene	U		0.995	2.50	5	09/02/2017 17:30	WG1016388
Toluene	105		2.06	2.50	5	09/02/2017 17:30	WG1016388
1,2,3-Trichlorobenzene	U		0.820	2.50	5	09/02/2017 17:30	WG1016388
1,2,4-Trichlorobenzene	U		1.78	2.50	5	09/02/2017 17:30	WG1016388
1,1,1-Trichloroethane	U		0.470	2.50	5	09/02/2017 17:30	WG1016388
1,1,2-Trichloroethane	U		0.930	2.50	5	09/02/2017 17:30	WG1016388
Trichloroethene	U		0.765	2.50	5	09/02/2017 17:30	WG1016388
Trichlorofluoromethane	U		0.650	12.5	5	09/02/2017 17:30	WG1016388
1,2,3-Trichloropropane	U		1.24	12.5	5	09/02/2017 17:30	WG1016388
1,2,4-Trimethylbenzene	U		0.615	2.50	5	09/02/2017 17:30	WG1016388
1,2,3-Trimethylbenzene	U		0.370	2.50	5	09/02/2017 17:30	WG1016388
1,3,5-Trimethylbenzene	U		0.620	2.50	5	09/02/2017 17:30	WG1016388
Vinyl acetate	U		3.22	25.0	5	09/02/2017 17:30	WG1016388
Vinyl chloride	U		0.590	2.50	5	09/02/2017 17:30	WG1016388
Xylenes, Total	U		1.58	7.50	5	09/02/2017 17:30	WG1016388
(S) Toluene-d8	*101*			*80.0-120*		*09/02/2017 17:30*	WG1016388
(S) Dibromofluoromethane	*103*			*76.0-123*		*09/02/2017 17:30*	WG1016388
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*09/02/2017 17:30*	WG1016388

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ANALYTICAL REPORT

September 21, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L933742
Samples Received:	09/02/2017
Project Number:	1413.001.02.002
Description:	American Linen Supply
Site:	1413.001.02.002
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

TABLE OF CONTENTS

MW-137-85 L933742-01 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 08:20 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1018662	1	09/01/17 08:20	09/10/17 03:47	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017429	1	09/01/17 08:20	09/07/17 01:06	JHH

MW-137-95 L933742-02 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 09:00 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1018662	1	09/01/17 09:00	09/10/17 04:09	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017429	1	09/01/17 09:00	09/07/17 01:28	JHH

B-216-20 L933742-03 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 09:15 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017429	1	09/01/17 09:15	09/07/17 01:49	JHH

B-216-40 L933742-04 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 10:10 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017429	1	09/01/17 10:10	09/07/17 02:11	JHH

B-216-50 L933742-05 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 10:35 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017429	1	09/01/17 10:35	09/07/17 02:33	JHH

MW-137-115 L933742-06 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 11:45 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1018662	1	09/01/17 11:45	09/10/17 04:32	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017429	1	09/01/17 11:45	09/07/17 02:55	JHH

B-216-65 L933742-07 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 11:45 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017429	1	09/01/17 11:45	09/07/17 17:50	BMB

B-216-55 L933742-08 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 12:15 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017429	1	09/01/17 12:15	09/07/17 03:17	JHH

B-216-85 L933742-09 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 13:00 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017429	1	09/01/17 13:00	09/07/17 03:39	JHH

B-216-95 L933742-10 Solid

Collected by: Shannon McKernan | Collected date/time: 09/01/17 13:30 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018229	1	09/08/17 15:36	09/08/17 15:56	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/01/17 13:30	09/07/17 00:42	JHH

TRIP BLANK-090117 L933742-11 GW

Collected by: Shannon McKernan | Collected date/time: 09/01/17 00:00 | Received date/time: 09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017271	1	09/06/17 14:03	09/06/17 14:03	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	83.4		1	09/08/2017 15:56	WG1018229

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		0.0406	0.120	1	09/10/2017 03:47	WG1018662
(S) a,a,a-Trifluorotoluene(FID)	*95.5*			*77.0-120*		*09/10/2017 03:47*	WG1018662

Volatile Organic Compounds (GC/MS) 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	0.0599	1	09/07/2017 01:06	WG1017429
Acrylonitrile	U		0.00215	0.0120	1	09/07/2017 01:06	WG1017429
Benzene	U		0.000324	0.00120	1	09/07/2017 01:06	WG1017429
Bromobenzene	U		0.000340	0.00120	1	09/07/2017 01:06	WG1017429
Bromodichloromethane	U		0.000304	0.00120	1	09/07/2017 01:06	WG1017429
Bromochloromethane	U		0.000467	0.00599	1	09/07/2017 01:06	WG1017429
Bromoform	U		0.000508	0.00120	1	09/07/2017 01:06	WG1017429
Bromomethane	U		0.00161	0.00599	1	09/07/2017 01:06	WG1017429
n-Butylbenzene	U		0.000309	0.00120	1	09/07/2017 01:06	WG1017429
sec-Butylbenzene	U		0.000241	0.00120	1	09/07/2017 01:06	WG1017429
tert-Butylbenzene	U		0.000247	0.00120	1	09/07/2017 01:06	WG1017429
Carbon disulfide	0.00141		0.000265	0.00120	1	09/07/2017 01:06	WG1017429
Carbon tetrachloride	U		0.000393	0.00120	1	09/07/2017 01:06	WG1017429
Chlorobenzene	U		0.000254	0.00120	1	09/07/2017 01:06	WG1017429
Chlorodibromomethane	U		0.000447	0.00120	1	09/07/2017 01:06	WG1017429
Chloroethane	U		0.00113	0.00599	1	09/07/2017 01:06	WG1017429
Chloroform	U		0.000274	0.00599	1	09/07/2017 01:06	WG1017429
Chloromethane	U		0.000449	0.00300	1	09/07/2017 01:06	WG1017429
2-Chlorotoluene	U		0.000361	0.00120	1	09/07/2017 01:06	WG1017429
4-Chlorotoluene	U		0.000288	0.00120	1	09/07/2017 01:06	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00599	1	09/07/2017 01:06	WG1017429
1,2-Dibromoethane	U		0.000411	0.00120	1	09/07/2017 01:06	WG1017429
Dibromomethane	U		0.000458	0.00120	1	09/07/2017 01:06	WG1017429
1,2-Dichlorobenzene	U		0.000366	0.00120	1	09/07/2017 01:06	WG1017429
1,3-Dichlorobenzene	U		0.000286	0.00120	1	09/07/2017 01:06	WG1017429
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/07/2017 01:06	WG1017429
Dichlorodifluoromethane	U		0.000855	0.00599	1	09/07/2017 01:06	WG1017429
1,1-Dichloroethane	U		0.000238	0.00120	1	09/07/2017 01:06	WG1017429
1,2-Dichloroethane	U		0.000318	0.00120	1	09/07/2017 01:06	WG1017429
1,1-Dichloroethene	U		0.000363	0.00120	1	09/07/2017 01:06	WG1017429
cis-1,2-Dichloroethene	U		0.000282	0.00120	1	09/07/2017 01:06	WG1017429
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	09/07/2017 01:06	WG1017429
1,2-Dichloropropane	U		0.000429	0.00120	1	09/07/2017 01:06	WG1017429
1,1-Dichloropropene	U		0.000380	0.00120	1	09/07/2017 01:06	WG1017429
1,3-Dichloropropane	U		0.000248	0.00120	1	09/07/2017 01:06	WG1017429
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	09/07/2017 01:06	WG1017429
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	09/07/2017 01:06	WG1017429
trans-1,4-Dichloro-2-butene	U	J0	0.000932	0.00300	1	09/07/2017 01:06	WG1017429
2,2-Dichloropropane	U		0.000334	0.00120	1	09/07/2017 01:06	WG1017429
Di-isopropyl ether	U		0.000297	0.00120	1	09/07/2017 01:06	WG1017429
Ethylbenzene	U		0.000356	0.00120	1	09/07/2017 01:06	WG1017429
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	09/07/2017 01:06	WG1017429
2-Hexanone	U		0.00164	0.0120	1	09/07/2017 01:06	WG1017429
n-Hexane	0.00261	J	0.000348	0.0120	1	09/07/2017 01:06	WG1017429

Volatile Organic Compounds (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		0.00303	0.0120	1	09/07/2017 01:06	WG1017429
Isopropylbenzene	U		0.000291	0.00120	1	09/07/2017 01:06	WG1017429
p-Isopropyltoluene	U		0.000244	0.00120	1	09/07/2017 01:06	WG1017429
2-Butanone (MEK)	U		0.00561	0.0120	1	09/07/2017 01:06	WG1017429
Methylene Chloride	U		0.00120	0.00599	1	09/07/2017 01:06	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	09/07/2017 01:06	WG1017429
Methyl tert-butyl ether	U		0.000254	0.00120	1	09/07/2017 01:06	WG1017429
Naphthalene	U		0.00120	0.00599	1	09/07/2017 01:06	WG1017429
n-Propylbenzene	U		0.000247	0.00120	1	09/07/2017 01:06	WG1017429
Styrene	U		0.000280	0.00120	1	09/07/2017 01:06	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	09/07/2017 01:06	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	09/07/2017 01:06	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	09/07/2017 01:06	WG1017429
Tetrachloroethene	U		0.000331	0.00120	1	09/07/2017 01:06	WG1017429
Toluene	U		0.000520	0.00599	1	09/07/2017 01:06	WG1017429
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	09/07/2017 01:06	WG1017429
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	09/07/2017 01:06	WG1017429
1,1,1-Trichloroethane	U		0.000343	0.00120	1	09/07/2017 01:06	WG1017429
1,1,2-Trichloroethane	U		0.000332	0.00120	1	09/07/2017 01:06	WG1017429
Trichloroethene	U		0.000334	0.00120	1	09/07/2017 01:06	WG1017429
Trichlorofluoromethane	U		0.000458	0.00599	1	09/07/2017 01:06	WG1017429
1,2,3-Trichloropropane	U		0.000888	0.00300	1	09/07/2017 01:06	WG1017429
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/07/2017 01:06	WG1017429
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	09/07/2017 01:06	WG1017429
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	09/07/2017 01:06	WG1017429
Vinyl acetate	U		0.00286	0.0120	1	09/07/2017 01:06	WG1017429
Vinyl chloride	U		0.000349	0.00120	1	09/07/2017 01:06	WG1017429
Xylenes, Total	U		0.000837	0.00360	1	09/07/2017 01:06	WG1017429
(S) Toluene-d8	*97.7*			*80.0-120*		*09/07/2017 01:06*	WG1017429
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 01:06*	WG1017429
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/07/2017 01:06*	WG1017429

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	93.4		1	09/08/2017 15:56	WG1018229

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		0.0363	0.107	1	09/10/2017 04:09	WG1018662
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*77.0-120*		*09/10/2017 04:09*	WG1018662

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0535	1	09/07/2017 01:28	WG1017429
Acrylonitrile	U		0.00192	0.0107	1	09/07/2017 01:28	WG1017429
Benzene	U		0.000289	0.00107	1	09/07/2017 01:28	WG1017429
Bromobenzene	U		0.000304	0.00107	1	09/07/2017 01:28	WG1017429
Bromodichloromethane	U		0.000272	0.00107	1	09/07/2017 01:28	WG1017429
Bromochloromethane	U		0.000418	0.00535	1	09/07/2017 01:28	WG1017429
Bromoform	U		0.000454	0.00107	1	09/07/2017 01:28	WG1017429
Bromomethane	U		0.00143	0.00535	1	09/07/2017 01:28	WG1017429
n-Butylbenzene	U		0.000276	0.00107	1	09/07/2017 01:28	WG1017429
sec-Butylbenzene	U		0.000215	0.00107	1	09/07/2017 01:28	WG1017429
tert-Butylbenzene	U		0.000221	0.00107	1	09/07/2017 01:28	WG1017429
Carbon disulfide	0.000537	J	0.000237	0.00107	1	09/07/2017 01:28	WG1017429
Carbon tetrachloride	U		0.000351	0.00107	1	09/07/2017 01:28	WG1017429
Chlorobenzene	U		0.000227	0.00107	1	09/07/2017 01:28	WG1017429
Chlorodibromomethane	U		0.000399	0.00107	1	09/07/2017 01:28	WG1017429
Chloroethane	U		0.00101	0.00535	1	09/07/2017 01:28	WG1017429
Chloroform	U		0.000245	0.00535	1	09/07/2017 01:28	WG1017429
Chloromethane	U		0.000402	0.00268	1	09/07/2017 01:28	WG1017429
2-Chlorotoluene	U		0.000322	0.00107	1	09/07/2017 01:28	WG1017429
4-Chlorotoluene	U		0.000257	0.00107	1	09/07/2017 01:28	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/07/2017 01:28	WG1017429
1,2-Dibromoethane	U		0.000367	0.00107	1	09/07/2017 01:28	WG1017429
Dibromomethane	U		0.000409	0.00107	1	09/07/2017 01:28	WG1017429
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/07/2017 01:28	WG1017429
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/07/2017 01:28	WG1017429
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/07/2017 01:28	WG1017429
Dichlorodifluoromethane	U		0.000764	0.00535	1	09/07/2017 01:28	WG1017429
1,1-Dichloroethane	U		0.000213	0.00107	1	09/07/2017 01:28	WG1017429
1,2-Dichloroethane	U		0.000284	0.00107	1	09/07/2017 01:28	WG1017429
1,1-Dichloroethene	U		0.000324	0.00107	1	09/07/2017 01:28	WG1017429
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	09/07/2017 01:28	WG1017429
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/07/2017 01:28	WG1017429
1,2-Dichloropropane	U		0.000383	0.00107	1	09/07/2017 01:28	WG1017429
1,1-Dichloropropene	U		0.000339	0.00107	1	09/07/2017 01:28	WG1017429
1,3-Dichloropropane	U		0.000222	0.00107	1	09/07/2017 01:28	WG1017429
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/07/2017 01:28	WG1017429
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/07/2017 01:28	WG1017429
trans-1,4-Dichloro-2-butene	U	J0	0.000833	0.00268	1	09/07/2017 01:28	WG1017429
2,2-Dichloropropane	U		0.000299	0.00107	1	09/07/2017 01:28	WG1017429
Di-isopropyl ether	U		0.000266	0.00107	1	09/07/2017 01:28	WG1017429
Ethylbenzene	U		0.000318	0.00107	1	09/07/2017 01:28	WG1017429
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	09/07/2017 01:28	WG1017429
2-Hexanone	U		0.00147	0.0107	1	09/07/2017 01:28	WG1017429
n-Hexane	0.00340	J	0.000311	0.0107	1	09/07/2017 01:28	WG1017429

Volatile Organic Compounds (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		0.00271	0.0107	1	09/07/2017 01:28	WG1017429
Isopropylbenzene	U		0.000260	0.00107	1	09/07/2017 01:28	WG1017429
p-Isopropyltoluene	U		0.000218	0.00107	1	09/07/2017 01:28	WG1017429
2-Butanone (MEK)	U		0.00501	0.0107	1	09/07/2017 01:28	WG1017429
Methylene Chloride	U		0.00107	0.00535	1	09/07/2017 01:28	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/07/2017 01:28	WG1017429
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/07/2017 01:28	WG1017429
Naphthalene	U		0.00107	0.00535	1	09/07/2017 01:28	WG1017429
n-Propylbenzene	U		0.000221	0.00107	1	09/07/2017 01:28	WG1017429
Styrene	U		0.000251	0.00107	1	09/07/2017 01:28	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/07/2017 01:28	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/07/2017 01:28	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/07/2017 01:28	WG1017429
Tetrachloroethene	U		0.000296	0.00107	1	09/07/2017 01:28	WG1017429
Toluene	U		0.000465	0.00535	1	09/07/2017 01:28	WG1017429
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/07/2017 01:28	WG1017429
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	09/07/2017 01:28	WG1017429
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/07/2017 01:28	WG1017429
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/07/2017 01:28	WG1017429
Trichloroethene	U		0.000299	0.00107	1	09/07/2017 01:28	WG1017429
Trichlorofluoromethane	U		0.000409	0.00535	1	09/07/2017 01:28	WG1017429
1,2,3-Trichloropropane	U		0.000794	0.00268	1	09/07/2017 01:28	WG1017429
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/07/2017 01:28	WG1017429
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/07/2017 01:28	WG1017429
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/07/2017 01:28	WG1017429
Vinyl acetate	U		0.00256	0.0107	1	09/07/2017 01:28	WG1017429
Vinyl chloride	U		0.000312	0.00107	1	09/07/2017 01:28	WG1017429
Xylenes, Total	U		0.000747	0.00321	1	09/07/2017 01:28	WG1017429
(S) Toluene-d8	*99.7*			*80.0-120*		*09/07/2017 01:28*	WG1017429
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 01:28*	WG1017429
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/07/2017 01:28*	WG1017429

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	92.8		1	09/08/2017 15:56	WG1018229

Volatile Organic Compounds (GC/MS) 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	0.0539	1	09/07/2017 01:49	WG1017429
Acrylonitrile	U		0.00193	0.0108	1	09/07/2017 01:49	WG1017429
Benzene	U		0.000291	0.00108	1	09/07/2017 01:49	WG1017429
Bromobenzene	U		0.000306	0.00108	1	09/07/2017 01:49	WG1017429
Bromodichloromethane	U		0.000274	0.00108	1	09/07/2017 01:49	WG1017429
Bromochloromethane	U		0.000420	0.00539	1	09/07/2017 01:49	WG1017429
Bromoform	U		0.000457	0.00108	1	09/07/2017 01:49	WG1017429
Bromomethane	U		0.00144	0.00539	1	09/07/2017 01:49	WG1017429
n-Butylbenzene	U		0.000278	0.00108	1	09/07/2017 01:49	WG1017429
sec-Butylbenzene	U		0.000216	0.00108	1	09/07/2017 01:49	WG1017429
tert-Butylbenzene	U		0.000222	0.00108	1	09/07/2017 01:49	WG1017429
Carbon disulfide	0.000700	J	0.000238	0.00108	1	09/07/2017 01:49	WG1017429
Carbon tetrachloride	U		0.000353	0.00108	1	09/07/2017 01:49	WG1017429
Chlorobenzene	U		0.000228	0.00108	1	09/07/2017 01:49	WG1017429
Chlorodibromomethane	U		0.000402	0.00108	1	09/07/2017 01:49	WG1017429
Chloroethane	U		0.00102	0.00539	1	09/07/2017 01:49	WG1017429
Chloroform	U		0.000247	0.00539	1	09/07/2017 01:49	WG1017429
Chloromethane	U		0.000404	0.00269	1	09/07/2017 01:49	WG1017429
2-Chlorotoluene	U		0.000324	0.00108	1	09/07/2017 01:49	WG1017429
4-Chlorotoluene	U		0.000259	0.00108	1	09/07/2017 01:49	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	09/07/2017 01:49	WG1017429
1,2-Dibromoethane	U		0.000369	0.00108	1	09/07/2017 01:49	WG1017429
Dibromomethane	U		0.000411	0.00108	1	09/07/2017 01:49	WG1017429
1,2-Dichlorobenzene	U		0.000329	0.00108	1	09/07/2017 01:49	WG1017429
1,3-Dichlorobenzene	U		0.000257	0.00108	1	09/07/2017 01:49	WG1017429
1,4-Dichlorobenzene	U		0.000243	0.00108	1	09/07/2017 01:49	WG1017429
Dichlorodifluoromethane	U		0.000768	0.00539	1	09/07/2017 01:49	WG1017429
1,1-Dichloroethane	U		0.000214	0.00108	1	09/07/2017 01:49	WG1017429
1,2-Dichloroethane	U		0.000285	0.00108	1	09/07/2017 01:49	WG1017429
1,1-Dichloroethene	U		0.000326	0.00108	1	09/07/2017 01:49	WG1017429
cis-1,2-Dichloroethene	U		0.000253	0.00108	1	09/07/2017 01:49	WG1017429
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	09/07/2017 01:49	WG1017429
1,2-Dichloropropane	U		0.000386	0.00108	1	09/07/2017 01:49	WG1017429
1,1-Dichloropropene	U		0.000341	0.00108	1	09/07/2017 01:49	WG1017429
1,3-Dichloropropane	U		0.000223	0.00108	1	09/07/2017 01:49	WG1017429
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	09/07/2017 01:49	WG1017429
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	09/07/2017 01:49	WG1017429
trans-1,4-Dichloro-2-butene	U	J0	0.000838	0.00269	1	09/07/2017 01:49	WG1017429
2,2-Dichloropropane	U		0.000301	0.00108	1	09/07/2017 01:49	WG1017429
Di-isopropyl ether	U		0.000267	0.00108	1	09/07/2017 01:49	WG1017429
Ethylbenzene	U		0.000320	0.00108	1	09/07/2017 01:49	WG1017429
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	09/07/2017 01:49	WG1017429
2-Hexanone	U		0.00148	0.0108	1	09/07/2017 01:49	WG1017429
n-Hexane	0.000460	J	0.000312	0.0108	1	09/07/2017 01:49	WG1017429
Iodomethane	U		0.00273	0.0108	1	09/07/2017 01:49	WG1017429
Isopropylbenzene	U		0.000262	0.00108	1	09/07/2017 01:49	WG1017429
p-Isopropyltoluene	U		0.000220	0.00108	1	09/07/2017 01:49	WG1017429
2-Butanone (MEK)	U		0.00504	0.0108	1	09/07/2017 01:49	WG1017429
Methylene Chloride	U		0.00108	0.00539	1	09/07/2017 01:49	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	09/07/2017 01:49	WG1017429

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	09/07/2017 01:49	WG1017429
Naphthalene	U		0.00108	0.00539	1	09/07/2017 01:49	WG1017429
n-Propylbenzene	U		0.000222	0.00108	1	09/07/2017 01:49	WG1017429
Styrene	U		0.000252	0.00108	1	09/07/2017 01:49	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	09/07/2017 01:49	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	09/07/2017 01:49	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	09/07/2017 01:49	WG1017429
Tetrachloroethene	0.00134		0.000297	0.00108	1	09/07/2017 01:49	WG1017429
Toluene	U		0.000467	0.00539	1	09/07/2017 01:49	WG1017429
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	09/07/2017 01:49	WG1017429
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	09/07/2017 01:49	WG1017429
1,1,1-Trichloroethane	U		0.000308	0.00108	1	09/07/2017 01:49	WG1017429
1,1,2-Trichloroethane	U		0.000298	0.00108	1	09/07/2017 01:49	WG1017429
Trichloroethene	U		0.000301	0.00108	1	09/07/2017 01:49	WG1017429
Trichlorofluoromethane	U		0.000411	0.00539	1	09/07/2017 01:49	WG1017429
1,2,3-Trichloropropane	U		0.000798	0.00269	1	09/07/2017 01:49	WG1017429
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	09/07/2017 01:49	WG1017429
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	09/07/2017 01:49	WG1017429
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	09/07/2017 01:49	WG1017429
Vinyl acetate	U		0.00257	0.0108	1	09/07/2017 01:49	WG1017429
Vinyl chloride	U		0.000313	0.00108	1	09/07/2017 01:49	WG1017429
Xylenes, Total	U		0.000752	0.00323	1	09/07/2017 01:49	WG1017429
(S) Toluene-d8	*99.8*			*80.0-120*		*09/07/2017 01:49*	WG1017429
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/07/2017 01:49*	WG1017429
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*09/07/2017 01:49*	WG1017429

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	09/08/2017 15:56	WG1018229

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0269	J	0.0108	0.0542	1	09/07/2017 02:11	WG1017429
Acrylonitrile	U		0.00194	0.0108	1	09/07/2017 02:11	WG1017429
Benzene	U		0.000293	0.00108	1	09/07/2017 02:11	WG1017429
Bromobenzene	U		0.000308	0.00108	1	09/07/2017 02:11	WG1017429
Bromodichloromethane	U		0.000276	0.00108	1	09/07/2017 02:11	WG1017429
Bromochloromethane	U		0.000423	0.00542	1	09/07/2017 02:11	WG1017429
Bromoform	U		0.000460	0.00108	1	09/07/2017 02:11	WG1017429
Bromomethane	U		0.00145	0.00542	1	09/07/2017 02:11	WG1017429
n-Butylbenzene	U		0.000280	0.00108	1	09/07/2017 02:11	WG1017429
sec-Butylbenzene	U		0.000218	0.00108	1	09/07/2017 02:11	WG1017429
tert-Butylbenzene	U		0.000223	0.00108	1	09/07/2017 02:11	WG1017429
Carbon disulfide	0.000272	J	0.000240	0.00108	1	09/07/2017 02:11	WG1017429
Carbon tetrachloride	U		0.000356	0.00108	1	09/07/2017 02:11	WG1017429
Chlorobenzene	U		0.000230	0.00108	1	09/07/2017 02:11	WG1017429
Chlorodibromomethane	U		0.000405	0.00108	1	09/07/2017 02:11	WG1017429
Chloroethane	U		0.00103	0.00542	1	09/07/2017 02:11	WG1017429
Chloroform	U		0.000248	0.00542	1	09/07/2017 02:11	WG1017429
Chloromethane	U		0.000407	0.00271	1	09/07/2017 02:11	WG1017429
2-Chlorotoluene	U		0.000327	0.00108	1	09/07/2017 02:11	WG1017429
4-Chlorotoluene	U		0.000260	0.00108	1	09/07/2017 02:11	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	09/07/2017 02:11	WG1017429
1,2-Dibromoethane	U		0.000372	0.00108	1	09/07/2017 02:11	WG1017429
Dibromomethane	U		0.000414	0.00108	1	09/07/2017 02:11	WG1017429
1,2-Dichlorobenzene	U		0.000331	0.00108	1	09/07/2017 02:11	WG1017429
1,3-Dichlorobenzene	U		0.000259	0.00108	1	09/07/2017 02:11	WG1017429
1,4-Dichlorobenzene	U		0.000245	0.00108	1	09/07/2017 02:11	WG1017429
Dichlorodifluoromethane	U		0.000773	0.00542	1	09/07/2017 02:11	WG1017429
1,1-Dichloroethane	U		0.000216	0.00108	1	09/07/2017 02:11	WG1017429
1,2-Dichloroethane	U		0.000287	0.00108	1	09/07/2017 02:11	WG1017429
1,1-Dichloroethene	U		0.000329	0.00108	1	09/07/2017 02:11	WG1017429
cis-1,2-Dichloroethene	U		0.000255	0.00108	1	09/07/2017 02:11	WG1017429
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	09/07/2017 02:11	WG1017429
1,2-Dichloropropane	U		0.000388	0.00108	1	09/07/2017 02:11	WG1017429
1,1-Dichloropropene	U		0.000344	0.00108	1	09/07/2017 02:11	WG1017429
1,3-Dichloropropane	U		0.000225	0.00108	1	09/07/2017 02:11	WG1017429
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	09/07/2017 02:11	WG1017429
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	09/07/2017 02:11	WG1017429
trans-1,4-Dichloro-2-butene	U	J0	0.000844	0.00271	1	09/07/2017 02:11	WG1017429
2,2-Dichloropropane	U		0.000303	0.00108	1	09/07/2017 02:11	WG1017429
Di-isopropyl ether	U		0.000269	0.00108	1	09/07/2017 02:11	WG1017429
Ethylbenzene	U		0.000322	0.00108	1	09/07/2017 02:11	WG1017429
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	09/07/2017 02:11	WG1017429
2-Hexanone	U		0.00149	0.0108	1	09/07/2017 02:11	WG1017429
n-Hexane	0.000659	J	0.000315	0.0108	1	09/07/2017 02:11	WG1017429
Iodomethane	U		0.00274	0.0108	1	09/07/2017 02:11	WG1017429
Isopropylbenzene	U		0.000264	0.00108	1	09/07/2017 02:11	WG1017429
p-Isopropyltoluene	U		0.000221	0.00108	1	09/07/2017 02:11	WG1017429
2-Butanone (MEK)	0.00569	J	0.00508	0.0108	1	09/07/2017 02:11	WG1017429
Methylene Chloride	U		0.00108	0.00542	1	09/07/2017 02:11	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	09/07/2017 02:11	WG1017429

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

Analyte	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	09/07/2017 02:11	WG1017429
Naphthalene	U		0.00108	0.00542	1	09/07/2017 02:11	WG1017429
n-Propylbenzene	U		0.000223	0.00108	1	09/07/2017 02:11	WG1017429
Styrene	U		0.000254	0.00108	1	09/07/2017 02:11	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/07/2017 02:11	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	09/07/2017 02:11	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	09/07/2017 02:11	WG1017429
Tetrachloroethene	U		0.000299	0.00108	1	09/07/2017 02:11	WG1017429
Toluene	U		0.000471	0.00542	1	09/07/2017 02:11	WG1017429
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	09/07/2017 02:11	WG1017429
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	09/07/2017 02:11	WG1017429
1,1,1-Trichloroethane	U		0.000310	0.00108	1	09/07/2017 02:11	WG1017429
1,1,2-Trichloroethane	U		0.000300	0.00108	1	09/07/2017 02:11	WG1017429
Trichloroethene	U		0.000303	0.00108	1	09/07/2017 02:11	WG1017429
Trichlorofluoromethane	U		0.000414	0.00542	1	09/07/2017 02:11	WG1017429
1,2,3-Trichloropropane	U		0.000804	0.00271	1	09/07/2017 02:11	WG1017429
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	09/07/2017 02:11	WG1017429
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	09/07/2017 02:11	WG1017429
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	09/07/2017 02:11	WG1017429
Vinyl acetate	U		0.00259	0.0108	1	09/07/2017 02:11	WG1017429
Vinyl chloride	U		0.000316	0.00108	1	09/07/2017 02:11	WG1017429
Xylenes, Total	U		0.000757	0.00325	1	09/07/2017 02:11	WG1017429
(S) Toluene-d8	*98.0*			*80.0-120*		*09/07/2017 02:11*	WG1017429
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/07/2017 02:11*	WG1017429
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/07/2017 02:11*	WG1017429

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	09/08/2017 15:56	WG1018229

Volatile Organic Compounds (GC/MS) 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	09/07/2017 02:33	WG1017429
Acrylonitrile	U		0.00193	0.0108	1	09/07/2017 02:33	WG1017429
Benzene	U		0.000292	0.00108	1	09/07/2017 02:33	WG1017429
Bromobenzene	U		0.000307	0.00108	1	09/07/2017 02:33	WG1017429
Bromodichloromethane	U		0.000275	0.00108	1	09/07/2017 02:33	WG1017429
Bromochloromethane	U		0.000422	0.00540	1	09/07/2017 02:33	WG1017429
Bromoform	U		0.000458	0.00108	1	09/07/2017 02:33	WG1017429
Bromomethane	U		0.00145	0.00540	1	09/07/2017 02:33	WG1017429
n-Butylbenzene	U		0.000279	0.00108	1	09/07/2017 02:33	WG1017429
sec-Butylbenzene	U		0.000217	0.00108	1	09/07/2017 02:33	WG1017429
tert-Butylbenzene	U		0.000223	0.00108	1	09/07/2017 02:33	WG1017429
Carbon disulfide	0.000310	J	0.000239	0.00108	1	09/07/2017 02:33	WG1017429
Carbon tetrachloride	U		0.000355	0.00108	1	09/07/2017 02:33	WG1017429
Chlorobenzene	U		0.000229	0.00108	1	09/07/2017 02:33	WG1017429
Chlorodibromomethane	U		0.000403	0.00108	1	09/07/2017 02:33	WG1017429
Chloroethane	U		0.00102	0.00540	1	09/07/2017 02:33	WG1017429
Chloroform	U		0.000248	0.00540	1	09/07/2017 02:33	WG1017429
Chloromethane	U		0.000405	0.00270	1	09/07/2017 02:33	WG1017429
2-Chlorotoluene	U		0.000325	0.00108	1	09/07/2017 02:33	WG1017429
4-Chlorotoluene	U		0.000259	0.00108	1	09/07/2017 02:33	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	09/07/2017 02:33	WG1017429
1,2-Dibromoethane	U		0.000371	0.00108	1	09/07/2017 02:33	WG1017429
Dibromomethane	U		0.000413	0.00108	1	09/07/2017 02:33	WG1017429
1,2-Dichlorobenzene	U		0.000330	0.00108	1	09/07/2017 02:33	WG1017429
1,3-Dichlorobenzene	U		0.000258	0.00108	1	09/07/2017 02:33	WG1017429
1,4-Dichlorobenzene	U		0.000244	0.00108	1	09/07/2017 02:33	WG1017429
Dichlorodifluoromethane	U		0.000771	0.00540	1	09/07/2017 02:33	WG1017429
1,1-Dichloroethane	U		0.000215	0.00108	1	09/07/2017 02:33	WG1017429
1,2-Dichloroethane	U		0.000286	0.00108	1	09/07/2017 02:33	WG1017429
1,1-Dichloroethene	U		0.000328	0.00108	1	09/07/2017 02:33	WG1017429
cis-1,2-Dichloroethene	U		0.000254	0.00108	1	09/07/2017 02:33	WG1017429
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	09/07/2017 02:33	WG1017429
1,2-Dichloropropane	U		0.000387	0.00108	1	09/07/2017 02:33	WG1017429
1,1-Dichloropropene	U		0.000343	0.00108	1	09/07/2017 02:33	WG1017429
1,3-Dichloropropane	U		0.000224	0.00108	1	09/07/2017 02:33	WG1017429
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	09/07/2017 02:33	WG1017429
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	09/07/2017 02:33	WG1017429
trans-1,4-Dichloro-2-butene	U	J0	0.000841	0.00270	1	09/07/2017 02:33	WG1017429
2,2-Dichloropropane	U		0.000302	0.00108	1	09/07/2017 02:33	WG1017429
Di-isopropyl ether	U		0.000268	0.00108	1	09/07/2017 02:33	WG1017429
Ethylbenzene	U		0.000321	0.00108	1	09/07/2017 02:33	WG1017429
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	09/07/2017 02:33	WG1017429
2-Hexanone	U		0.00148	0.0108	1	09/07/2017 02:33	WG1017429
n-Hexane	0.000708	J	0.000313	0.0108	1	09/07/2017 02:33	WG1017429
Iodomethane	U		0.00273	0.0108	1	09/07/2017 02:33	WG1017429
Isopropylbenzene	U		0.000263	0.00108	1	09/07/2017 02:33	WG1017429
p-Isopropyltoluene	U		0.000221	0.00108	1	09/07/2017 02:33	WG1017429
2-Butanone (MEK)	U		0.00506	0.0108	1	09/07/2017 02:33	WG1017429
Methylene Chloride	U		0.00108	0.00540	1	09/07/2017 02:33	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	09/07/2017 02:33	WG1017429

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

Analyte	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	09/07/2017 02:33	WG1017429
Naphthalene	U		0.00108	0.00540	1	09/07/2017 02:33	WG1017429
n-Propylbenzene	U		0.000223	0.00108	1	09/07/2017 02:33	WG1017429
Styrene	U		0.000253	0.00108	1	09/07/2017 02:33	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	09/07/2017 02:33	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	09/07/2017 02:33	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	09/07/2017 02:33	WG1017429
Tetrachloroethene	U		0.000298	0.00108	1	09/07/2017 02:33	WG1017429
Toluene	U		0.000469	0.00540	1	09/07/2017 02:33	WG1017429
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	09/07/2017 02:33	WG1017429
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	09/07/2017 02:33	WG1017429
1,1,1-Trichloroethane	U		0.000309	0.00108	1	09/07/2017 02:33	WG1017429
1,1,2-Trichloroethane	U		0.000299	0.00108	1	09/07/2017 02:33	WG1017429
Trichloroethene	U		0.000302	0.00108	1	09/07/2017 02:33	WG1017429
Trichlorofluoromethane	U		0.000413	0.00540	1	09/07/2017 02:33	WG1017429
1,2,3-Trichloropropane	U		0.000801	0.00270	1	09/07/2017 02:33	WG1017429
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	09/07/2017 02:33	WG1017429
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	09/07/2017 02:33	WG1017429
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/07/2017 02:33	WG1017429
Vinyl acetate	U		0.00258	0.0108	1	09/07/2017 02:33	WG1017429
Vinyl chloride	U		0.000315	0.00108	1	09/07/2017 02:33	WG1017429
Xylenes, Total	U		0.000754	0.00324	1	09/07/2017 02:33	WG1017429
(S) Toluene-d8	*98.7*			*80.0-120*		*09/07/2017 02:33*	WG1017429
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/07/2017 02:33*	WG1017429
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*09/07/2017 02:33*	WG1017429

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.7		1	09/08/2017 15:56	WG1018229

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		0.0415	0.122	1	09/10/2017 04:32	WG1018662
(S) a,a,a-Trifluorotoluene(FID)	*95.5*			*77.0-120*		*09/10/2017 04:32*	WG1018662

Volatile Organic Compounds (GC/MS) 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	0.0612	1	09/07/2017 02:55	WG1017429
Acrylonitrile	U		0.00219	0.0122	1	09/07/2017 02:55	WG1017429
Benzene	U		0.000330	0.00122	1	09/07/2017 02:55	WG1017429
Bromobenzene	U		0.000347	0.00122	1	09/07/2017 02:55	WG1017429
Bromodichloromethane	U		0.000311	0.00122	1	09/07/2017 02:55	WG1017429
Bromochloromethane	U		0.000477	0.00612	1	09/07/2017 02:55	WG1017429
Bromoform	U		0.000519	0.00122	1	09/07/2017 02:55	WG1017429
Bromomethane	U		0.00164	0.00612	1	09/07/2017 02:55	WG1017429
n-Butylbenzene	U		0.000316	0.00122	1	09/07/2017 02:55	WG1017429
sec-Butylbenzene	U		0.000246	0.00122	1	09/07/2017 02:55	WG1017429
tert-Butylbenzene	U		0.000252	0.00122	1	09/07/2017 02:55	WG1017429
Carbon disulfide	U		0.000270	0.00122	1	09/07/2017 02:55	WG1017429
Carbon tetrachloride	U		0.000401	0.00122	1	09/07/2017 02:55	WG1017429
Chlorobenzene	U		0.000259	0.00122	1	09/07/2017 02:55	WG1017429
Chlorodibromomethane	U		0.000456	0.00122	1	09/07/2017 02:55	WG1017429
Chloroethane	U		0.00116	0.00612	1	09/07/2017 02:55	WG1017429
Chloroform	U		0.000280	0.00612	1	09/07/2017 02:55	WG1017429
Chloromethane	U		0.000459	0.00306	1	09/07/2017 02:55	WG1017429
2-Chlorotoluene	U		0.000368	0.00122	1	09/07/2017 02:55	WG1017429
4-Chlorotoluene	U		0.000294	0.00122	1	09/07/2017 02:55	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00612	1	09/07/2017 02:55	WG1017429
1,2-Dibromoethane	U		0.000420	0.00122	1	09/07/2017 02:55	WG1017429
Dibromomethane	U		0.000467	0.00122	1	09/07/2017 02:55	WG1017429
1,2-Dichlorobenzene	U		0.000373	0.00122	1	09/07/2017 02:55	WG1017429
1,3-Dichlorobenzene	U		0.000292	0.00122	1	09/07/2017 02:55	WG1017429
1,4-Dichlorobenzene	U		0.000276	0.00122	1	09/07/2017 02:55	WG1017429
Dichlorodifluoromethane	U		0.000872	0.00612	1	09/07/2017 02:55	WG1017429
1,1-Dichloroethane	U		0.000243	0.00122	1	09/07/2017 02:55	WG1017429
1,2-Dichloroethane	U		0.000324	0.00122	1	09/07/2017 02:55	WG1017429
1,1-Dichloroethene	U		0.000371	0.00122	1	09/07/2017 02:55	WG1017429
cis-1,2-Dichloroethene	U		0.000287	0.00122	1	09/07/2017 02:55	WG1017429
trans-1,2-Dichloroethene	U		0.000323	0.00122	1	09/07/2017 02:55	WG1017429
1,2-Dichloropropane	U		0.000438	0.00122	1	09/07/2017 02:55	WG1017429
1,1-Dichloropropene	U		0.000388	0.00122	1	09/07/2017 02:55	WG1017429
1,3-Dichloropropane	U		0.000253	0.00122	1	09/07/2017 02:55	WG1017429
cis-1,3-Dichloropropene	U		0.000321	0.00122	1	09/07/2017 02:55	WG1017429
trans-1,3-Dichloropropene	U		0.000327	0.00122	1	09/07/2017 02:55	WG1017429
trans-1,4-Dichloro-2-butene	U	J0	0.000952	0.00306	1	09/07/2017 02:55	WG1017429
2,2-Dichloropropane	U		0.000341	0.00122	1	09/07/2017 02:55	WG1017429
Di-isopropyl ether	U		0.000303	0.00122	1	09/07/2017 02:55	WG1017429
Ethylbenzene	U		0.000363	0.00122	1	09/07/2017 02:55	WG1017429
Hexachloro-1,3-butadiene	U		0.000418	0.00122	1	09/07/2017 02:55	WG1017429
2-Hexanone	U		0.00168	0.0122	1	09/07/2017 02:55	WG1017429
n-Hexane	U		0.000355	0.0122	1	09/07/2017 02:55	WG1017429

Volatile Organic Compounds (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		0.00310	0.0122	1	09/07/2017 02:55	WG1017429
Isopropylbenzene	U		0.000297	0.00122	1	09/07/2017 02:55	WG1017429
p-Isopropyltoluene	U		0.000250	0.00122	1	09/07/2017 02:55	WG1017429
2-Butanone (MEK)	U		0.00573	0.0122	1	09/07/2017 02:55	WG1017429
Methylene Chloride	U		0.00122	0.00612	1	09/07/2017 02:55	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00230	0.0122	1	09/07/2017 02:55	WG1017429
Methyl tert-butyl ether	U		0.000259	0.00122	1	09/07/2017 02:55	WG1017429
Naphthalene	U		0.00122	0.00612	1	09/07/2017 02:55	WG1017429
n-Propylbenzene	U		0.000252	0.00122	1	09/07/2017 02:55	WG1017429
Styrene	U		0.000286	0.00122	1	09/07/2017 02:55	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000323	0.00122	1	09/07/2017 02:55	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000447	0.00122	1	09/07/2017 02:55	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000447	0.00122	1	09/07/2017 02:55	WG1017429
Tetrachloroethene	U		0.000338	0.00122	1	09/07/2017 02:55	WG1017429
Toluene	U		0.000531	0.00612	1	09/07/2017 02:55	WG1017429
1,2,3-Trichlorobenzene	U		0.000374	0.00122	1	09/07/2017 02:55	WG1017429
1,2,4-Trichlorobenzene	U		0.000475	0.00122	1	09/07/2017 02:55	WG1017429
1,1,1-Trichloroethane	U		0.000350	0.00122	1	09/07/2017 02:55	WG1017429
1,1,2-Trichloroethane	U		0.000339	0.00122	1	09/07/2017 02:55	WG1017429
Trichloroethene	U		0.000341	0.00122	1	09/07/2017 02:55	WG1017429
Trichlorofluoromethane	U		0.000467	0.00612	1	09/07/2017 02:55	WG1017429
1,2,3-Trichloropropane	U		0.000907	0.00306	1	09/07/2017 02:55	WG1017429
1,2,4-Trimethylbenzene	U		0.000258	0.00122	1	09/07/2017 02:55	WG1017429
1,2,3-Trimethylbenzene	U		0.000351	0.00122	1	09/07/2017 02:55	WG1017429
1,3,5-Trimethylbenzene	U		0.000325	0.00122	1	09/07/2017 02:55	WG1017429
Vinyl acetate	U		0.00292	0.0122	1	09/07/2017 02:55	WG1017429
Vinyl chloride	U		0.000356	0.00122	1	09/07/2017 02:55	WG1017429
Xylenes, Total	U		0.000854	0.00367	1	09/07/2017 02:55	WG1017429
(S) Toluene-d8	*101*			*80.0-120*		*09/07/2017 02:55*	WG1017429
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/07/2017 02:55*	WG1017429
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*09/07/2017 02:55*	WG1017429

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	09/08/2017 15:56	WG1018229

Volatile Organic Compounds (GC/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	0.0120	0.0600	1	09/07/2017 17:50	WG1017429
Acrylonitrile	U		0.00215	0.0120	1	09/07/2017 17:50	WG1017429
Benzene	U		0.000324	0.00120	1	09/07/2017 17:50	WG1017429
Bromobenzene	U		0.000341	0.00120	1	09/07/2017 17:50	WG1017429
Bromodichloromethane	U		0.000305	0.00120	1	09/07/2017 17:50	WG1017429
Bromochloromethane	U		0.000468	0.00600	1	09/07/2017 17:50	WG1017429
Bromoform	U		0.000509	0.00120	1	09/07/2017 17:50	WG1017429
Bromomethane	U		0.00161	0.00600	1	09/07/2017 17:50	WG1017429
n-Butylbenzene	U		0.000310	0.00120	1	09/07/2017 17:50	WG1017429
sec-Butylbenzene	U		0.000241	0.00120	1	09/07/2017 17:50	WG1017429
tert-Butylbenzene	U		0.000247	0.00120	1	09/07/2017 17:50	WG1017429
Carbon disulfide	0.000664	J	0.000265	0.00120	1	09/07/2017 17:50	WG1017429
Carbon tetrachloride	U		0.000394	0.00120	1	09/07/2017 17:50	WG1017429
Chlorobenzene	U		0.000254	0.00120	1	09/07/2017 17:50	WG1017429
Chlorodibromomethane	U		0.000448	0.00120	1	09/07/2017 17:50	WG1017429
Chloroethane	U		0.00114	0.00600	1	09/07/2017 17:50	WG1017429
Chloroform	U		0.000275	0.00600	1	09/07/2017 17:50	WG1017429
Chloromethane	U		0.000450	0.00300	1	09/07/2017 17:50	WG1017429
2-Chlorotoluene	U		0.000361	0.00120	1	09/07/2017 17:50	WG1017429
4-Chlorotoluene	U		0.000288	0.00120	1	09/07/2017 17:50	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00600	1	09/07/2017 17:50	WG1017429
1,2-Dibromoethane	U		0.000412	0.00120	1	09/07/2017 17:50	WG1017429
Dibromomethane	U		0.000459	0.00120	1	09/07/2017 17:50	WG1017429
1,2-Dichlorobenzene	U		0.000366	0.00120	1	09/07/2017 17:50	WG1017429
1,3-Dichlorobenzene	U		0.000287	0.00120	1	09/07/2017 17:50	WG1017429
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/07/2017 17:50	WG1017429
Dichlorodifluoromethane	U		0.000856	0.00600	1	09/07/2017 17:50	WG1017429
1,1-Dichloroethane	U		0.000239	0.00120	1	09/07/2017 17:50	WG1017429
1,2-Dichloroethane	U		0.000318	0.00120	1	09/07/2017 17:50	WG1017429
1,1-Dichloroethene	U		0.000364	0.00120	1	09/07/2017 17:50	WG1017429
cis-1,2-Dichloroethene	U		0.000282	0.00120	1	09/07/2017 17:50	WG1017429
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	09/07/2017 17:50	WG1017429
1,2-Dichloropropane	U		0.000430	0.00120	1	09/07/2017 17:50	WG1017429
1,1-Dichloropropene	U		0.000381	0.00120	1	09/07/2017 17:50	WG1017429
1,3-Dichloropropane	U		0.000248	0.00120	1	09/07/2017 17:50	WG1017429
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	09/07/2017 17:50	WG1017429
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	09/07/2017 17:50	WG1017429
trans-1,4-Dichloro-2-butene	U		0.000934	0.00300	1	09/07/2017 17:50	WG1017429
2,2-Dichloropropane	U		0.000335	0.00120	1	09/07/2017 17:50	WG1017429
Di-isopropyl ether	U		0.000298	0.00120	1	09/07/2017 17:50	WG1017429
Ethylbenzene	U		0.000357	0.00120	1	09/07/2017 17:50	WG1017429
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	09/07/2017 17:50	WG1017429
2-Hexanone	U		0.00164	0.0120	1	09/07/2017 17:50	WG1017429
n-Hexane	0.00129	J	0.000348	0.0120	1	09/07/2017 17:50	WG1017429
Iodomethane	U		0.00304	0.0120	1	09/07/2017 17:50	WG1017429
Isopropylbenzene	U		0.000292	0.00120	1	09/07/2017 17:50	WG1017429
p-Isopropyltoluene	U		0.000245	0.00120	1	09/07/2017 17:50	WG1017429
2-Butanone (MEK)	U		0.00562	0.0120	1	09/07/2017 17:50	WG1017429
Methylene Chloride	U		0.00120	0.00600	1	09/07/2017 17:50	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	09/07/2017 17:50	WG1017429

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

Analyte	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	09/07/2017 17:50	WG1017429
Naphthalene	U		0.00120	0.00600	1	09/07/2017 17:50	WG1017429
n-Propylbenzene	U		0.000247	0.00120	1	09/07/2017 17:50	WG1017429
Styrene	U		0.000281	0.00120	1	09/07/2017 17:50	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	09/07/2017 17:50	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	09/07/2017 17:50	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1	09/07/2017 17:50	WG1017429
Tetrachloroethene	U		0.000331	0.00120	1	09/07/2017 17:50	WG1017429
Toluene	U		0.000521	0.00600	1	09/07/2017 17:50	WG1017429
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	09/07/2017 17:50	WG1017429
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	09/07/2017 17:50	WG1017429
1,1,1-Trichloroethane	U		0.000343	0.00120	1	09/07/2017 17:50	WG1017429
1,1,2-Trichloroethane	U		0.000333	0.00120	1	09/07/2017 17:50	WG1017429
Trichloroethene	U		0.000335	0.00120	1	09/07/2017 17:50	WG1017429
Trichlorofluoromethane	U		0.000459	0.00600	1	09/07/2017 17:50	WG1017429
1,2,3-Trichloropropane	U		0.000890	0.00300	1	09/07/2017 17:50	WG1017429
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/07/2017 17:50	WG1017429
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	09/07/2017 17:50	WG1017429
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	09/07/2017 17:50	WG1017429
Vinyl acetate	U		0.00287	0.0120	1	09/07/2017 17:50	WG1017429
Vinyl chloride	U		0.000349	0.00120	1	09/07/2017 17:50	WG1017429
Xylenes, Total	U		0.000838	0.00360	1	09/07/2017 17:50	WG1017429
(S) Toluene-d8	*95.7*			*80.0-120*		*09/07/2017 17:50*	WG1017429
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/07/2017 17:50*	WG1017429
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/07/2017 17:50*	WG1017429

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	09/08/2017 15:56	WG1018229

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0386	J	0.0113	0.0563	1	09/07/2017 03:17	WG1017429
Acrylonitrile	U		0.00202	0.0113	1	09/07/2017 03:17	WG1017429
Benzene	0.0221		0.000304	0.00113	1	09/07/2017 03:17	WG1017429
Bromobenzene	U		0.000320	0.00113	1	09/07/2017 03:17	WG1017429
Bromodichloromethane	U		0.000286	0.00113	1	09/07/2017 03:17	WG1017429
Bromochloromethane	U		0.000439	0.00563	1	09/07/2017 03:17	WG1017429
Bromoform	U		0.000477	0.00113	1	09/07/2017 03:17	WG1017429
Bromomethane	U		0.00151	0.00563	1	09/07/2017 03:17	WG1017429
n-Butylbenzene	0.00318		0.000290	0.00113	1	09/07/2017 03:17	WG1017429
sec-Butylbenzene	0.000274	J	0.000226	0.00113	1	09/07/2017 03:17	WG1017429
tert-Butylbenzene	U		0.000232	0.00113	1	09/07/2017 03:17	WG1017429
Carbon disulfide	0.00288		0.000249	0.00113	1	09/07/2017 03:17	WG1017429
Carbon tetrachloride	U		0.000369	0.00113	1	09/07/2017 03:17	WG1017429
Chlorobenzene	U		0.000239	0.00113	1	09/07/2017 03:17	WG1017429
Chlorodibromomethane	U		0.000420	0.00113	1	09/07/2017 03:17	WG1017429
Chloroethane	U		0.00107	0.00563	1	09/07/2017 03:17	WG1017429
Chloroform	U		0.000258	0.00563	1	09/07/2017 03:17	WG1017429
Chloromethane	U		0.000422	0.00281	1	09/07/2017 03:17	WG1017429
2-Chlorotoluene	U		0.000339	0.00113	1	09/07/2017 03:17	WG1017429
4-Chlorotoluene	U		0.000270	0.00113	1	09/07/2017 03:17	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	09/07/2017 03:17	WG1017429
1,2-Dibromoethane	U		0.000386	0.00113	1	09/07/2017 03:17	WG1017429
Dibromomethane	U		0.000430	0.00113	1	09/07/2017 03:17	WG1017429
1,2-Dichlorobenzene	U		0.000343	0.00113	1	09/07/2017 03:17	WG1017429
1,3-Dichlorobenzene	U		0.000269	0.00113	1	09/07/2017 03:17	WG1017429
1,4-Dichlorobenzene	U		0.000254	0.00113	1	09/07/2017 03:17	WG1017429
Dichlorodifluoromethane	U		0.000803	0.00563	1	09/07/2017 03:17	WG1017429
1,1-Dichloroethane	U		0.000224	0.00113	1	09/07/2017 03:17	WG1017429
1,2-Dichloroethane	U		0.000298	0.00113	1	09/07/2017 03:17	WG1017429
1,1-Dichloroethene	0.000509	J	0.000341	0.00113	1	09/07/2017 03:17	WG1017429
cis-1,2-Dichloroethene	0.182		0.000265	0.00113	1	09/07/2017 03:17	WG1017429
trans-1,2-Dichloroethene	0.00356		0.000297	0.00113	1	09/07/2017 03:17	WG1017429
1,2-Dichloropropane	U		0.000403	0.00113	1	09/07/2017 03:17	WG1017429
1,1-Dichloropropene	U		0.000357	0.00113	1	09/07/2017 03:17	WG1017429
1,3-Dichloropropane	U		0.000233	0.00113	1	09/07/2017 03:17	WG1017429
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	09/07/2017 03:17	WG1017429
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	09/07/2017 03:17	WG1017429
trans-1,4-Dichloro-2-butene	U	J0	0.000876	0.00281	1	09/07/2017 03:17	WG1017429
2,2-Dichloropropane	U		0.000314	0.00113	1	09/07/2017 03:17	WG1017429
Di-isopropyl ether	U		0.000279	0.00113	1	09/07/2017 03:17	WG1017429
Ethylbenzene	0.00876		0.000334	0.00113	1	09/07/2017 03:17	WG1017429
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	09/07/2017 03:17	WG1017429
2-Hexanone	0.00727	J	0.00154	0.0113	1	09/07/2017 03:17	WG1017429
n-Hexane	0.0368		0.000327	0.0113	1	09/07/2017 03:17	WG1017429
Iodomethane	U		0.00285	0.0113	1	09/07/2017 03:17	WG1017429
Isopropylbenzene	0.000650	J	0.000274	0.00113	1	09/07/2017 03:17	WG1017429
p-Isopropyltoluene	U		0.000230	0.00113	1	09/07/2017 03:17	WG1017429
2-Butanone (MEK)	0.0293		0.00527	0.0113	1	09/07/2017 03:17	WG1017429
Methylene Chloride	U		0.00113	0.00563	1	09/07/2017 03:17	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	09/07/2017 03:17	WG1017429

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		0.000239	0.00113	1	09/07/2017 03:17	WG1017429
Naphthalene	0.00226	J	0.00113	0.00563	1	09/07/2017 03:17	WG1017429
n-Propylbenzene	0.00407		0.000232	0.00113	1	09/07/2017 03:17	WG1017429
Styrene	0.000676	J	0.000263	0.00113	1	09/07/2017 03:17	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	09/07/2017 03:17	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	09/07/2017 03:17	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	09/07/2017 03:17	WG1017429
Tetrachloroethene	0.0139		0.000311	0.00113	1	09/07/2017 03:17	WG1017429
Toluene	0.0228		0.000489	0.00563	1	09/07/2017 03:17	WG1017429
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	09/07/2017 03:17	WG1017429
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	09/07/2017 03:17	WG1017429
1,1,1-Trichloroethane	U		0.000322	0.00113	1	09/07/2017 03:17	WG1017429
1,1,2-Trichloroethane	U		0.000312	0.00113	1	09/07/2017 03:17	WG1017429
Trichloroethene	0.00182		0.000314	0.00113	1	09/07/2017 03:17	WG1017429
Trichlorofluoromethane	U		0.000430	0.00563	1	09/07/2017 03:17	WG1017429
1,2,3-Trichloropropane	U		0.000834	0.00281	1	09/07/2017 03:17	WG1017429
1,2,4-Trimethylbenzene	0.00330		0.000238	0.00113	1	09/07/2017 03:17	WG1017429
1,2,3-Trimethylbenzene	0.00117		0.000323	0.00113	1	09/07/2017 03:17	WG1017429
1,3,5-Trimethylbenzene	0.000732	J	0.000299	0.00113	1	09/07/2017 03:17	WG1017429
Vinyl acetate	U		0.00269	0.0113	1	09/07/2017 03:17	WG1017429
Vinyl chloride	0.00113		0.000328	0.00113	1	09/07/2017 03:17	WG1017429
Xylenes, Total	0.0189		0.000786	0.00338	1	09/07/2017 03:17	WG1017429
(S) Toluene-d8	*92.5*			*80.0-120*		*09/07/2017 03:17*	WG1017429
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 03:17*	WG1017429
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*09/07/2017 03:17*	WG1017429

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	09/08/2017 15:56	WG1018229

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0220	J	0.0121	0.0603	1	09/07/2017 03:39	WG1017429
Acrylonitrile	U		0.00216	0.0121	1	09/07/2017 03:39	WG1017429
Benzene	0.000541	J	0.000326	0.00121	1	09/07/2017 03:39	WG1017429
Bromobenzene	U		0.000343	0.00121	1	09/07/2017 03:39	WG1017429
Bromodichloromethane	U		0.000306	0.00121	1	09/07/2017 03:39	WG1017429
Bromochloromethane	U		0.000470	0.00603	1	09/07/2017 03:39	WG1017429
Bromoform	U		0.000511	0.00121	1	09/07/2017 03:39	WG1017429
Bromomethane	U		0.00162	0.00603	1	09/07/2017 03:39	WG1017429
n-Butylbenzene	U		0.000311	0.00121	1	09/07/2017 03:39	WG1017429
sec-Butylbenzene	U		0.000242	0.00121	1	09/07/2017 03:39	WG1017429
tert-Butylbenzene	U		0.000248	0.00121	1	09/07/2017 03:39	WG1017429
Carbon disulfide	0.00382		0.000267	0.00121	1	09/07/2017 03:39	WG1017429
Carbon tetrachloride	U		0.000396	0.00121	1	09/07/2017 03:39	WG1017429
Chlorobenzene	U		0.000256	0.00121	1	09/07/2017 03:39	WG1017429
Chlorodibromomethane	U		0.000450	0.00121	1	09/07/2017 03:39	WG1017429
Chloroethane	U		0.00114	0.00603	1	09/07/2017 03:39	WG1017429
Chloroform	U		0.000276	0.00603	1	09/07/2017 03:39	WG1017429
Chloromethane	U		0.000452	0.00302	1	09/07/2017 03:39	WG1017429
2-Chlorotoluene	U		0.000363	0.00121	1	09/07/2017 03:39	WG1017429
4-Chlorotoluene	U		0.000289	0.00121	1	09/07/2017 03:39	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00603	1	09/07/2017 03:39	WG1017429
1,2-Dibromoethane	U		0.000414	0.00121	1	09/07/2017 03:39	WG1017429
Dibromomethane	U		0.000461	0.00121	1	09/07/2017 03:39	WG1017429
1,2-Dichlorobenzene	U		0.000368	0.00121	1	09/07/2017 03:39	WG1017429
1,3-Dichlorobenzene	U		0.000288	0.00121	1	09/07/2017 03:39	WG1017429
1,4-Dichlorobenzene	U		0.000273	0.00121	1	09/07/2017 03:39	WG1017429
Dichlorodifluoromethane	U		0.000860	0.00603	1	09/07/2017 03:39	WG1017429
1,1-Dichloroethane	U		0.000240	0.00121	1	09/07/2017 03:39	WG1017429
1,2-Dichloroethane	U		0.000320	0.00121	1	09/07/2017 03:39	WG1017429
1,1-Dichloroethene	U		0.000365	0.00121	1	09/07/2017 03:39	WG1017429
cis-1,2-Dichloroethene	0.000289	J	0.000283	0.00121	1	09/07/2017 03:39	WG1017429
trans-1,2-Dichloroethene	U		0.000318	0.00121	1	09/07/2017 03:39	WG1017429
1,2-Dichloropropane	U		0.000432	0.00121	1	09/07/2017 03:39	WG1017429
1,1-Dichloropropene	U		0.000382	0.00121	1	09/07/2017 03:39	WG1017429
1,3-Dichloropropane	U		0.000250	0.00121	1	09/07/2017 03:39	WG1017429
cis-1,3-Dichloropropene	U		0.000316	0.00121	1	09/07/2017 03:39	WG1017429
trans-1,3-Dichloropropene	U		0.000322	0.00121	1	09/07/2017 03:39	WG1017429
trans-1,4-Dichloro-2-butene	U	J0	0.000938	0.00302	1	09/07/2017 03:39	WG1017429
2,2-Dichloropropane	U		0.000336	0.00121	1	09/07/2017 03:39	WG1017429
Di-isopropyl ether	U		0.000299	0.00121	1	09/07/2017 03:39	WG1017429
Ethylbenzene	U		0.000358	0.00121	1	09/07/2017 03:39	WG1017429
Hexachloro-1,3-butadiene	U		0.000412	0.00121	1	09/07/2017 03:39	WG1017429
2-Hexanone	U		0.00165	0.0121	1	09/07/2017 03:39	WG1017429
n-Hexane	0.00652	J	0.000350	0.0121	1	09/07/2017 03:39	WG1017429
Iodomethane	U		0.00305	0.0121	1	09/07/2017 03:39	WG1017429
Isopropylbenzene	U		0.000293	0.00121	1	09/07/2017 03:39	WG1017429
p-Isopropyltoluene	U		0.000246	0.00121	1	09/07/2017 03:39	WG1017429
2-Butanone (MEK)	0.0107	J	0.00564	0.0121	1	09/07/2017 03:39	WG1017429
Methylene Chloride	U		0.00121	0.00603	1	09/07/2017 03:39	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	09/07/2017 03:39	WG1017429

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		0.000256	0.00121	1	09/07/2017 03:39	WG1017429
Naphthalene	U		0.00121	0.00603	1	09/07/2017 03:39	WG1017429
n-Propylbenzene	U		0.000248	0.00121	1	09/07/2017 03:39	WG1017429
Styrene	U		0.000282	0.00121	1	09/07/2017 03:39	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000318	0.00121	1	09/07/2017 03:39	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000440	0.00121	1	09/07/2017 03:39	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00121	1	09/07/2017 03:39	WG1017429
Tetrachloroethene	U		0.000333	0.00121	1	09/07/2017 03:39	WG1017429
Toluene	0.000655	J	0.000523	0.00603	1	09/07/2017 03:39	WG1017429
1,2,3-Trichlorobenzene	U		0.000369	0.00121	1	09/07/2017 03:39	WG1017429
1,2,4-Trichlorobenzene	U		0.000468	0.00121	1	09/07/2017 03:39	WG1017429
1,1,1-Trichloroethane	U		0.000345	0.00121	1	09/07/2017 03:39	WG1017429
1,1,2-Trichloroethane	U		0.000334	0.00121	1	09/07/2017 03:39	WG1017429
Trichloroethene	U		0.000336	0.00121	1	09/07/2017 03:39	WG1017429
Trichlorofluoromethane	U		0.000461	0.00603	1	09/07/2017 03:39	WG1017429
1,2,3-Trichloropropane	U		0.000894	0.00302	1	09/07/2017 03:39	WG1017429
1,2,4-Trimethylbenzene	U		0.000254	0.00121	1	09/07/2017 03:39	WG1017429
1,2,3-Trimethylbenzene	U		0.000346	0.00121	1	09/07/2017 03:39	WG1017429
1,3,5-Trimethylbenzene	U		0.000321	0.00121	1	09/07/2017 03:39	WG1017429
Vinyl acetate	U		0.00288	0.0121	1	09/07/2017 03:39	WG1017429
Vinyl chloride	U		0.000351	0.00121	1	09/07/2017 03:39	WG1017429
Xylenes, Total	U		0.000842	0.00362	1	09/07/2017 03:39	WG1017429
(S) Toluene-d8	*98.7*			*80.0-120*		*09/07/2017 03:39*	WG1017429
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/07/2017 03:39*	WG1017429
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/07/2017 03:39*	WG1017429

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	09/08/2017 15:56	WG1018229

Volatile Organic Compounds (GC/MS) 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 J3	0.0114	0.0568	1	09/07/2017 00:42	WG1017434
Acrylonitrile	U	J0	0.00203	0.0114	1	09/07/2017 00:42	WG1017434
Benzene	U		0.000307	0.00114	1	09/07/2017 00:42	WG1017434
Bromobenzene	U		0.000323	0.00114	1	09/07/2017 00:42	WG1017434
Bromodichloromethane	U		0.000289	0.00114	1	09/07/2017 00:42	WG1017434
Bromochloromethane	U		0.000443	0.00568	1	09/07/2017 00:42	WG1017434
Bromoform	U		0.000482	0.00114	1	09/07/2017 00:42	WG1017434
Bromomethane	U		0.00152	0.00568	1	09/07/2017 00:42	WG1017434
n-Butylbenzene	U		0.000293	0.00114	1	09/07/2017 00:42	WG1017434
sec-Butylbenzene	U		0.000228	0.00114	1	09/07/2017 00:42	WG1017434
tert-Butylbenzene	U		0.000234	0.00114	1	09/07/2017 00:42	WG1017434
Carbon disulfide	U		0.000251	0.00114	1	09/07/2017 00:42	WG1017434
Carbon tetrachloride	U		0.000373	0.00114	1	09/07/2017 00:42	WG1017434
Chlorobenzene	U		0.000241	0.00114	1	09/07/2017 00:42	WG1017434
Chlorodibromomethane	U		0.000424	0.00114	1	09/07/2017 00:42	WG1017434
Chloroethane	U		0.00107	0.00568	1	09/07/2017 00:42	WG1017434
Chloroform	U		0.000260	0.00568	1	09/07/2017 00:42	WG1017434
Chloromethane	U	J0	0.000426	0.00284	1	09/07/2017 00:42	WG1017434
2-Chlorotoluene	U		0.000342	0.00114	1	09/07/2017 00:42	WG1017434
4-Chlorotoluene	U		0.000273	0.00114	1	09/07/2017 00:42	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	09/07/2017 00:42	WG1017434
1,2-Dibromoethane	U		0.000390	0.00114	1	09/07/2017 00:42	WG1017434
Dibromomethane	U		0.000434	0.00114	1	09/07/2017 00:42	WG1017434
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/07/2017 00:42	WG1017434
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/07/2017 00:42	WG1017434
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/07/2017 00:42	WG1017434
Dichlorodifluoromethane	U	J0	0.000810	0.00568	1	09/07/2017 00:42	WG1017434
1,1-Dichloroethane	U		0.000226	0.00114	1	09/07/2017 00:42	WG1017434
1,2-Dichloroethane	U		0.000301	0.00114	1	09/07/2017 00:42	WG1017434
1,1-Dichloroethene	U		0.000344	0.00114	1	09/07/2017 00:42	WG1017434
cis-1,2-Dichloroethene	U		0.000267	0.00114	1	09/07/2017 00:42	WG1017434
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	09/07/2017 00:42	WG1017434
1,2-Dichloropropane	U		0.000407	0.00114	1	09/07/2017 00:42	WG1017434
1,1-Dichloropropene	U		0.000360	0.00114	1	09/07/2017 00:42	WG1017434
1,3-Dichloropropane	U		0.000235	0.00114	1	09/07/2017 00:42	WG1017434
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/07/2017 00:42	WG1017434
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	09/07/2017 00:42	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000884	0.00284	1	09/07/2017 00:42	WG1017434
2,2-Dichloropropane	U		0.000317	0.00114	1	09/07/2017 00:42	WG1017434
Di-isopropyl ether	U		0.000282	0.00114	1	09/07/2017 00:42	WG1017434
Ethylbenzene	U		0.000337	0.00114	1	09/07/2017 00:42	WG1017434
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	09/07/2017 00:42	WG1017434
2-Hexanone	U	J0	0.00156	0.0114	1	09/07/2017 00:42	WG1017434
n-Hexane	0.00113	J J0	0.000329	0.0114	1	09/07/2017 00:42	WG1017434
Iodomethane	U		0.00287	0.0114	1	09/07/2017 00:42	WG1017434
Isopropylbenzene	U		0.000276	0.00114	1	09/07/2017 00:42	WG1017434
p-Isopropyltoluene	U		0.000232	0.00114	1	09/07/2017 00:42	WG1017434
2-Butanone (MEK)	U	J0	0.00532	0.0114	1	09/07/2017 00:42	WG1017434
Methylene Chloride	U		0.00114	0.00568	1	09/07/2017 00:42	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00214	0.0114	1	09/07/2017 00:42	WG1017434

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

Analyte	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	09/07/2017 00:42	WG1017434
Naphthalene	U		0.00114	0.00568	1	09/07/2017 00:42	WG1017434
n-Propylbenzene	U		0.000234	0.00114	1	09/07/2017 00:42	WG1017434
Styrene	U		0.000266	0.00114	1	09/07/2017 00:42	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	09/07/2017 00:42	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	09/07/2017 00:42	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	09/07/2017 00:42	WG1017434
Tetrachloroethene	U		0.000314	0.00114	1	09/07/2017 00:42	WG1017434
Toluene	U		0.000493	0.00568	1	09/07/2017 00:42	WG1017434
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	09/07/2017 00:42	WG1017434
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	09/07/2017 00:42	WG1017434
1,1,1-Trichloroethane	U		0.000325	0.00114	1	09/07/2017 00:42	WG1017434
1,1,2-Trichloroethane	U		0.000315	0.00114	1	09/07/2017 00:42	WG1017434
Trichloroethene	U		0.000317	0.00114	1	09/07/2017 00:42	WG1017434
Trichlorofluoromethane	U		0.000434	0.00568	1	09/07/2017 00:42	WG1017434
1,2,3-Trichloropropane	U		0.000842	0.00284	1	09/07/2017 00:42	WG1017434
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	09/07/2017 00:42	WG1017434
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	09/07/2017 00:42	WG1017434
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	09/07/2017 00:42	WG1017434
Vinyl acetate	U		0.00272	0.0114	1	09/07/2017 00:42	WG1017434
Vinyl chloride	U		0.000331	0.00114	1	09/07/2017 00:42	WG1017434
Xylenes, Total	U		0.000793	0.00341	1	09/07/2017 00:42	WG1017434
(S) Toluene-d8	*107*			*80.0-120*		*09/07/2017 00:42*	WG1017434
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/07/2017 00:42*	WG1017434
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/07/2017 00:42*	WG1017434

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/06/2017 14:03	WG1017271
Acrylonitrile	U		0.873	5.00	1	09/06/2017 14:03	WG1017271
Benzene	U		0.0896	0.500	1	09/06/2017 14:03	WG1017271
Bromobenzene	U		0.133	0.500	1	09/06/2017 14:03	WG1017271
Bromodichloromethane	U		0.0800	0.500	1	09/06/2017 14:03	WG1017271
Bromochloromethane	U		0.145	0.500	1	09/06/2017 14:03	WG1017271
Bromoform	U		0.186	0.500	1	09/06/2017 14:03	WG1017271
Bromomethane	U		0.157	2.50	1	09/06/2017 14:03	WG1017271
n-Butylbenzene	U		0.143	0.500	1	09/06/2017 14:03	WG1017271
sec-Butylbenzene	U		0.134	0.500	1	09/06/2017 14:03	WG1017271
tert-Butylbenzene	U		0.183	0.500	1	09/06/2017 14:03	WG1017271
Carbon disulfide	U		0.101	0.500	1	09/06/2017 14:03	WG1017271
Carbon tetrachloride	U		0.159	0.500	1	09/06/2017 14:03	WG1017271
Chlorobenzene	U		0.140	0.500	1	09/06/2017 14:03	WG1017271
Chlorodibromomethane	U		0.128	0.500	1	09/06/2017 14:03	WG1017271
Chloroethane	U		0.141	2.50	1	09/06/2017 14:03	WG1017271
Chloroform	U		0.0860	0.500	1	09/06/2017 14:03	WG1017271
Chloromethane	U		0.153	1.25	1	09/06/2017 14:03	WG1017271
2-Chlorotoluene	U		0.111	0.500	1	09/06/2017 14:03	WG1017271
4-Chlorotoluene	U		0.0972	0.500	1	09/06/2017 14:03	WG1017271
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/06/2017 14:03	WG1017271
1,2-Dibromoethane	U		0.193	0.500	1	09/06/2017 14:03	WG1017271
Dibromomethane	U		0.117	0.500	1	09/06/2017 14:03	WG1017271
1,2-Dichlorobenzene	U		0.101	0.500	1	09/06/2017 14:03	WG1017271
1,3-Dichlorobenzene	U		0.130	0.500	1	09/06/2017 14:03	WG1017271
1,4-Dichlorobenzene	U		0.121	0.500	1	09/06/2017 14:03	WG1017271
Dichlorodifluoromethane	U		0.127	2.50	1	09/06/2017 14:03	WG1017271
1,1-Dichloroethane	U		0.114	0.500	1	09/06/2017 14:03	WG1017271
1,2-Dichloroethane	U		0.108	0.500	1	09/06/2017 14:03	WG1017271
1,1-Dichloroethene	U		0.188	0.500	1	09/06/2017 14:03	WG1017271
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/06/2017 14:03	WG1017271
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/06/2017 14:03	WG1017271
1,2-Dichloropropane	U		0.190	0.500	1	09/06/2017 14:03	WG1017271
1,1-Dichloropropene	U		0.128	0.500	1	09/06/2017 14:03	WG1017271
1,3-Dichloropropane	U		0.147	1.00	1	09/06/2017 14:03	WG1017271
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/06/2017 14:03	WG1017271
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/06/2017 14:03	WG1017271
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/06/2017 14:03	WG1017271
2,2-Dichloropropane	U		0.0929	0.500	1	09/06/2017 14:03	WG1017271
Di-isopropyl ether	U		0.0924	0.500	1	09/06/2017 14:03	WG1017271
Ethylbenzene	U		0.158	0.500	1	09/06/2017 14:03	WG1017271
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/06/2017 14:03	WG1017271
2-Hexanone	U		0.757	5.00	1	09/06/2017 14:03	WG1017271
n-Hexane	U		0.305	5.00	1	09/06/2017 14:03	WG1017271
Iodomethane	U		0.377	10.0	1	09/06/2017 14:03	WG1017271
Isopropylbenzene	U		0.126	0.500	1	09/06/2017 14:03	WG1017271
p-Isopropyltoluene	U		0.138	0.500	1	09/06/2017 14:03	WG1017271
2-Butanone (MEK)	U		1.28	5.00	1	09/06/2017 14:03	WG1017271
Methylene Chloride	U		1.07	2.50	1	09/06/2017 14:03	WG1017271
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/06/2017 14:03	WG1017271
Methyl tert-butyl ether	U		0.102	0.500	1	09/06/2017 14:03	WG1017271
Naphthalene	U		0.174	2.50	1	09/06/2017 14:03	WG1017271
n-Propylbenzene	U		0.162	0.500	1	09/06/2017 14:03	WG1017271
Styrene	U		0.117	0.500	1	09/06/2017 14:03	WG1017271
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/06/2017 14:03	WG1017271
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/06/2017 14:03	WG1017271

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/06/2017 14:03	WG1017271
Tetrachloroethene	U		0.199	0.500	1	09/06/2017 14:03	WG1017271
Toluene	U		0.412	0.500	1	09/06/2017 14:03	WG1017271
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/06/2017 14:03	WG1017271
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/06/2017 14:03	WG1017271
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/06/2017 14:03	WG1017271
1,1,2-Trichloroethane	U		0.186	0.500	1	09/06/2017 14:03	WG1017271
Trichloroethene	U		0.153	0.500	1	09/06/2017 14:03	WG1017271
Trichlorofluoromethane	U		0.130	2.50	1	09/06/2017 14:03	WG1017271
1,2,3-Trichloropropane	U		0.247	2.50	1	09/06/2017 14:03	WG1017271
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/06/2017 14:03	WG1017271
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/06/2017 14:03	WG1017271
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/06/2017 14:03	WG1017271
Vinyl acetate	U	J0	0.645	5.00	1	09/06/2017 14:03	WG1017271
Vinyl chloride	U		0.118	0.500	1	09/06/2017 14:03	WG1017271
Xylenes, Total	U		0.316	1.50	1	09/06/2017 14:03	WG1017271
(S) Toluene-d8	*103*			*80.0-120*		*09/06/2017 14:03*	WG1017271
(S) Dibromofluoromethane	*105*			*76.0-123*		*09/06/2017 14:03*	WG1017271
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*09/06/2017 14:03*	WG1017271

Method Blank (MB)

(MB) R3248045-1 09/08/17 15:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000600			

L933742-01 Original Sample (OS) • Duplicate (DUP)

(OS) L933742-01 09/08/17 15:56 • (DUP) R3248045-3 09/08/17 15:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.4	84.2	1	0.915		5

Laboratory Control Sample (LCS)

(LCS) R3248045-2 09/08/17 15:56

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

Method Blank (MB)

(MB) R3248355-3 09/10/17 01:39

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)	*99.6*			*77.0-120*

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

(LCS) R3248355-1 09/10/17 00:33 • (LCSD) R3248355-2 09/10/17 00:55

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 %
Gasoline Range Organics-NWTPH	5.50	5.75	5.70	105	104	70.0-133			0.960	20
(S) a,a,a-Trifluorotoluene(FID)				*105*	*104*	*77.0-120*				

L934242-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L934242-27 09/10/17 10:18 • (MS) R3248355-4 09/10/17 10:40 • (MSD) R3248355-5 09/10/17 11:03

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	6.72	U	0.387	1.50	5.76	22.4	1	10.0-146	J6	J3	118	30
(S) a,a,a-Trifluorotoluene(FID)					*94.4*	*91.4*		*77.0-120*				

Method Blank (MB)

(MB) R3247243-2 09/06/17 13:43

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
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
cis-1,2-Dichloroethene	U		0.0933	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
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
Di-isopropyl ether	U		0.0924	0.500
cis-1,3-Dichloropropene	U		0.0976	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00

Method Blank (MB)

(MB) R3247243-2 09/06/17 13:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
trans-1,3-Dichloropropene	U		0.222	0.500
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)	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-Trichlorotrifluoroethane	U		0.164	0.500
Methylene Chloride	U		1.07	2.50
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	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
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
Toluene	U		0.412	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
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*105*			*76.0-123*
(S) 4-Bromofluorobenzene	*103*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3247243-1 09/06/17 12:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	142	114	10.0-160	
Acrylonitrile	125	136	109	60.0-142	
Bromobenzene	25.0	25.1	100	79.0-120	
Bromochloromethane	25.0	26.8	107	76.0-122	
n-Butylbenzene	25.0	27.3	109	72.0-126	
sec-Butylbenzene	25.0	26.0	104	74.0-121	
tert-Butylbenzene	25.0	25.4	101	75.0-122	
Carbon disulfide	25.0	26.0	104	55.0-127	
2-Chlorotoluene	25.0	25.7	103	74.0-122	
4-Chlorotoluene	25.0	25.4	102	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	24.7	98.9	64.0-127	
1,2-Dibromoethane	25.0	25.4	102	77.0-123	
Dibromomethane	25.0	26.1	105	78.0-120	
cis-1,2-Dichloroethene	25.0	25.7	103	73.0-120	
1,1-Dichloropropene	25.0	26.7	107	71.0-129	
1,3-Dichloropropane	25.0	25.4	101	80.0-121	
Benzene	25.0	26.1	105	69.0-123	
trans-1,4-Dichloro-2-butene	25.0	20.8	83.2	55.0-134	
2,2-Dichloropropane	25.0	25.6	103	60.0-125	
Bromodichloromethane	25.0	26.0	104	76.0-120	
Di-isopropyl ether	25.0	26.5	106	59.0-133	
Bromoform	25.0	26.3	105	67.0-132	
Hexachloro-1,3-butadiene	25.0	26.6	106	64.0-131	
2-Hexanone	125	138	111	58.0-147	
Bromomethane	25.0	25.4	102	18.0-160	
n-Hexane	25.0	27.2	109	56.0-124	
Iodomethane	125	131	105	57.0-140	
Isopropylbenzene	25.0	25.1	100	75.0-120	
p-Isopropyltoluene	25.0	26.7	107	74.0-126	
2-Butanone (MEK)	125	116	92.9	37.0-158	
Carbon tetrachloride	25.0	25.1	101	63.0-122	
4-Methyl-2-pentanone (MIBK)	125	133	106	59.0-143	
Chlorobenzene	25.0	24.4	97.7	79.0-121	
Chlorodibromomethane	25.0	25.6	102	75.0-125	
Chloroethane	25.0	26.3	105	47.0-152	
n-Propylbenzene	25.0	26.2	105	79.0-120	
Chloroform	25.0	26.5	106	72.0-121	
Styrene	25.0	26.8	107	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	24.3	97.1	75.0-122	
Chloromethane	25.0	23.0	92.1	48.0-139	

Laboratory Control Sample (LCS)

(LCS) R3247243-1 09/06/17 12:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,2-Trichlorotrifluoroethane	25.0	26.5	106	61.0-136	
1,2,3-Trichlorobenzene	25.0	26.0	104	61.0-133	
1,2,4-Trichlorobenzene	25.0	25.7	103	69.0-129	
1,2-Dichlorobenzene	25.0	25.6	102	80.0-120	
1,3-Dichlorobenzene	25.0	25.4	101	72.0-123	
1,4-Dichlorobenzene	25.0	24.9	99.4	77.0-120	
Dichlorodifluoromethane	25.0	23.1	92.2	49.0-155	
1,2,3-Trichloropropane	25.0	26.2	105	72.0-124	
1,1-Dichloroethane	25.0	27.3	109	70.0-126	
1,2,4-Trimethylbenzene	25.0	26.1	104	75.0-120	
1,2,3-Trimethylbenzene	25.0	23.9	95.7	75.0-120	
1,2-Dichloroethane	25.0	28.4	114	67.0-126	
1,1-Dichloroethene	25.0	26.3	105	64.0-129	
1,3,5-Trimethylbenzene	25.0	25.7	103	75.0-120	
Vinyl acetate	125	172	138	46.0-160	
trans-1,2-Dichloroethene	25.0	26.2	105	71.0-121	
1,2-Dichloropropane	25.0	27.1	109	75.0-125	
cis-1,3-Dichloropropene	25.0	28.3	113	79.0-123	
trans-1,3-Dichloropropene	25.0	28.1	113	74.0-127	
Ethylbenzene	25.0	24.0	96.0	77.0-120	
Methylene Chloride	25.0	26.1	104	66.0-121	
Methyl tert-butyl ether	25.0	25.8	103	64.0-123	
Naphthalene	25.0	23.9	95.8	62.0-128	
1,1,2,2-Tetrachloroethane	25.0	27.3	109	71.0-122	
Tetrachloroethene	25.0	23.1	92.5	70.0-127	
Toluene	25.0	24.0	95.9	77.0-120	
1,1,1-Trichloroethane	25.0	26.1	104	68.0-122	
1,1,2-Trichloroethane	25.0	25.5	102	78.0-120	
Trichloroethene	25.0	24.5	98.2	78.0-120	
Trichlorofluoromethane	25.0	27.0	108	56.0-137	
Vinyl chloride	25.0	25.5	102	64.0-133	
Xylenes, Total	75.0	72.2	96.3	77.0-120	
(S) Toluene-d8			*99.9*	*80.0-120*	
(S) Dibromofluoromethane			*107*	*76.0-123*	
(S) 4-Bromofluorobenzene			*103*	*80.0-120*	

Method Blank (MB)

(MB) R3247436-4 09/06/17 19:25

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) R3247436-4 09/06/17 19:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) Dibromofluoromethane	*96.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*103*			*64.0-132*

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

(LCS) R3247436-1 09/06/17 17:57 • (LCSD) R3247436-2 09/06/17 18:19

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	0.0693	0.0668	55.5	53.4	11.0-160			3.71	23
Acrylonitrile	0.125	0.142	0.138	113	111	61.0-143			2.61	20
Benzene	0.0250	0.0282	0.0268	113	107	71.0-124			5.12	20
Bromobenzene	0.0250	0.0248	0.0240	99.3	96.1	78.0-120			3.29	20
Bromodichloromethane	0.0250	0.0233	0.0228	93.3	91.2	75.0-120			2.30	20
Bromoform	0.0250	0.0241	0.0238	96.3	95.1	65.0-133			1.19	20
Bromochloromethane	0.0250	0.0264	0.0257	106	103	80.0-121			2.53	20
Bromomethane	0.0250	0.0223	0.0214	89.0	85.4	26.0-160			4.13	20
n-Butylbenzene	0.0250	0.0269	0.0257	108	103	73.0-126			4.30	20
sec-Butylbenzene	0.0250	0.0286	0.0270	114	108	75.0-121			5.87	20
tert-Butylbenzene	0.0250	0.0278	0.0264	111	105	74.0-122			5.34	20
Carbon disulfide	0.0250	0.0244	0.0235	97.7	94.0	53.0-130			3.92	20
Carbon tetrachloride	0.0250	0.0234	0.0225	93.8	90.1	66.0-123			4.04	20
Chlorobenzene	0.0250	0.0282	0.0271	113	108	79.0-121			3.81	20
Chlorodibromomethane	0.0250	0.0249	0.0241	99.5	96.5	74.0-128			3.13	20
Chloroethane	0.0250	0.0226	0.0213	90.5	85.1	51.0-147			6.17	20
Chloroform	0.0250	0.0259	0.0247	104	98.8	73.0-123			4.71	20
Chloromethane	0.0250	0.0271	0.0255	108	102	51.0-138			6.09	20
2-Chlorotoluene	0.0250	0.0263	0.0249	105	99.7	72.0-124			5.38	20
4-Chlorotoluene	0.0250	0.0260	0.0247	104	98.8	78.0-120			5.27	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0232	0.0240	92.9	96.1	65.0-126			3.37	20
1,2-Dibromoethane	0.0250	0.0265	0.0262	106	105	78.0-122			1.21	20
Dibromomethane	0.0250	0.0240	0.0237	96.2	94.7	79.0-120			1.55	20
1,2-Dichlorobenzene	0.0250	0.0270	0.0261	108	104	80.0-120			3.58	20
1,3-Dichlorobenzene	0.0250	0.0271	0.0263	108	105	72.0-123			3.18	20
1,4-Dichlorobenzene	0.0250	0.0253	0.0244	101	97.4	77.0-120			3.69	20
Dichlorodifluoromethane	0.0250	0.0184	0.0175	73.5	70.2	49.0-155			4.62	20
trans-1,4-Dichloro-2-butene	0.0250	0.0193	0.0180	77.3	72.2	68.0-126			6.86	20
1,1-Dichloroethane	0.0250	0.0277	0.0264	111	106	70.0-128			4.58	20
1,2-Dichloroethane	0.0250	0.0205	0.0196	82.0	78.3	69.0-128			4.64	20
1,1-Dichloroethene	0.0250	0.0257	0.0241	103	96.4	63.0-131			6.49	20
cis-1,2-Dichloroethene	0.0250	0.0269	0.0258	108	103	74.0-123			4.17	20
trans-1,2-Dichloroethene	0.0250	0.0282	0.0270	113	108	72.0-122			4.37	20
1,2-Dichloropropane	0.0250	0.0287	0.0280	115	112	75.0-126			2.46	20
1,1-Dichloropropene	0.0250	0.0267	0.0250	107	99.9	72.0-130			6.65	20
1,3-Dichloropropane	0.0250	0.0266	0.0258	106	103	80.0-121			3.23	20
cis-1,3-Dichloropropene	0.0250	0.0260	0.0248	104	99.4	80.0-125			4.71	20
trans-1,3-Dichloropropene	0.0250	0.0240	0.0233	96.0	93.3	75.0-129			2.89	20
2,2-Dichloropropane	0.0250	0.0266	0.0248	106	99.3	60.0-129			6.95	20
Di-isopropyl ether	0.0250	0.0300	0.0290	120	116	62.0-133			3.54	20

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

(LCS) R3247436-1 09/06/17 17:57 • (LCSD) R3247436-2 09/06/17 18:19

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	0.0292	0.0277	117	111	77.0-120			5.27	20
Hexachloro-1,3-butadiene	0.0250	0.0281	0.0264	112	106	68.0-128			6.12	20
2-Hexanone	0.125	0.110	0.108	88.0	86.4	61.0-143			1.91	20
Isopropylbenzene	0.0250	0.0275	0.0262	110	105	75.0-120			4.82	20
n-Hexane	0.0250	0.0302	0.0283	121	113	57.0-125			6.43	20
Iodomethane	0.125	0.129	0.124	103	99.0	67.0-132			4.42	20
p-Isopropyltoluene	0.0250	0.0281	0.0264	112	106	74.0-125			6.00	20
2-Butanone (MEK)	0.125	0.0947	0.0917	75.7	73.3	37.0-159			3.23	20
Methylene Chloride	0.0250	0.0266	0.0255	106	102	67.0-123			4.18	20
4-Methyl-2-pentanone (MIBK)	0.125	0.127	0.126	102	101	60.0-144			1.22	20
Methyl tert-butyl ether	0.0250	0.0239	0.0231	95.7	92.3	66.0-125			3.65	20
Naphthalene	0.0250	0.0217	0.0230	86.7	91.8	64.0-125			5.77	20
n-Propylbenzene	0.0250	0.0279	0.0266	112	106	78.0-120			4.97	20
Styrene	0.0250	0.0293	0.0277	117	111	78.0-124			5.67	20
1,1,1,2-Tetrachloroethane	0.0250	0.0275	0.0261	110	104	74.0-124			5.20	20
1,1,2,2-Tetrachloroethane	0.0250	0.0269	0.0268	108	107	73.0-120			0.410	20
Tetrachloroethene	0.0250	0.0307	0.0292	123	117	70.0-127			5.17	20
Toluene	0.0250	0.0285	0.0273	114	109	77.0-120			4.34	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0256	0.0242	102	96.7	64.0-135			5.65	20
1,2,3-Trichlorobenzene	0.0250	0.0224	0.0237	89.7	94.8	68.0-126			5.46	20
1,2,4-Trichlorobenzene	0.0250	0.0245	0.0238	97.9	95.1	70.0-127			2.89	20
1,1,1-Trichloroethane	0.0250	0.0262	0.0251	105	101	69.0-125			4.01	20
1,1,2-Trichloroethane	0.0250	0.0265	0.0259	106	104	78.0-120			2.18	20
Trichloroethene	0.0250	0.0268	0.0260	107	104	79.0-120			2.90	20
Trichlorofluoromethane	0.0250	0.0219	0.0213	87.5	85.3	59.0-136			2.50	20
1,2,3-Trichloropropane	0.0250	0.0232	0.0229	92.7	91.7	73.0-124			1.18	20
1,2,3-Trimethylbenzene	0.0250	0.0242	0.0233	97.0	93.1	76.0-120			4.06	20
1,2,4-Trimethylbenzene	0.0250	0.0259	0.0246	104	98.3	75.0-120			5.38	20
1,3,5-Trimethylbenzene	0.0250	0.0269	0.0256	108	102	75.0-120			5.09	20
Vinyl chloride	0.0250	0.0251	0.0237	100	94.9	63.0-134			5.40	20
Xylenes, Total	0.0750	0.0888	0.0841	118	112	77.0-120			5.44	20
Vinyl acetate	0.125	0.139	0.133	111	106	58.0-156			4.29	20
(S) Toluene-d8				*107*	*107*	*80.0-120*				
(S) Dibromofluoromethane				*95.3*	*95.3*	*74.0-131*				
(S) 4-Bromofluorobenzene				*98.1*	*98.6*	*64.0-132*				

Method Blank (MB)

(MB) R3248365-3 09/06/17 23:06

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
1,1-Dichloropropene	U		0.000317	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3248365-3 09/06/17 23:06

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
Naphthalene	U		0.00100	0.00500
Methyl tert-butyl ether	U		0.000212	0.00100
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-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*118*			*80.0-120*
(S) Dibromofluoromethane	*106*			*74.0-131*
(S) 4-Bromofluorobenzene	*107*			*64.0-132*

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

(LCS) R3248365-1 09/06/17 22:07 • (LCSD) R3248365-2 09/06/17 22:27

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	0.0690	0.0523	55.2	41.8	11.0-160		J3	27.6	23
Benzene	0.0250	0.0229	0.0231	91.4	92.2	71.0-124			0.890	20
Acrylonitrile	0.125	0.0940	0.0855	75.2	68.4	61.0-143			9.42	20
Bromodichloromethane	0.0250	0.0255	0.0251	102	100	75.0-120			1.43	20
Bromobenzene	0.0250	0.0241	0.0246	96.6	98.6	78.0-120			2.06	20
Bromoform	0.0250	0.0258	0.0250	103	100	65.0-133			3.29	20
Bromochloromethane	0.0250	0.0260	0.0251	104	101	80.0-121			3.51	20
Bromomethane	0.0250	0.0202	0.0202	80.8	80.6	26.0-160			0.170	20
n-Butylbenzene	0.0250	0.0240	0.0247	95.9	98.7	73.0-126			2.84	20
sec-Butylbenzene	0.0250	0.0253	0.0256	101	102	75.0-121			1.10	20
Carbon tetrachloride	0.0250	0.0213	0.0213	85.3	85.2	66.0-123			0.100	20
tert-Butylbenzene	0.0250	0.0244	0.0248	97.6	99.3	74.0-122			1.77	20
Carbon disulfide	0.0250	0.0230	0.0230	92.0	92.0	53.0-130			0.0700	20
Chlorobenzene	0.0250	0.0258	0.0266	103	106	79.0-121			3.06	20
Chlorodibromomethane	0.0250	0.0255	0.0253	102	101	74.0-128			0.550	20
Chloroethane	0.0250	0.0214	0.0211	85.7	84.2	51.0-147			1.73	20
Chloroform	0.0250	0.0237	0.0237	95.0	94.7	73.0-123			0.260	20
Chloromethane	0.0250	0.0171	0.0171	68.3	68.6	51.0-138			0.390	20
2-Chlorotoluene	0.0250	0.0247	0.0252	99.0	101	72.0-124			1.75	20
4-Chlorotoluene	0.0250	0.0240	0.0246	96.2	98.4	78.0-120			2.31	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0237	0.0221	94.8	88.5	65.0-126			6.93	20
1,2-Dibromoethane	0.0250	0.0279	0.0269	112	108	78.0-122			3.79	20
1,2-Dichlorobenzene	0.0250	0.0243	0.0244	97.3	97.6	80.0-120			0.340	20
1,3-Dichlorobenzene	0.0250	0.0242	0.0246	97.0	98.4	72.0-123			1.45	20
Dibromomethane	0.0250	0.0227	0.0219	91.0	87.4	79.0-120			3.96	20
1,4-Dichlorobenzene	0.0250	0.0242	0.0246	96.6	98.2	77.0-120			1.65	20
Dichlorodifluoromethane	0.0250	0.0170	0.0164	67.8	65.6	49.0-155			3.33	20
trans-1,4-Dichloro-2-butene	0.0250	0.0235	0.0211	93.9	84.5	68.0-126			10.6	20
1,1-Dichloroethane	0.0250	0.0235	0.0238	94.2	95.4	70.0-128			1.24	20
1,2-Dichloroethane	0.0250	0.0248	0.0240	99.3	96.0	69.0-128			3.43	20
1,1-Dichloroethene	0.0250	0.0229	0.0230	91.7	92.2	63.0-131			0.530	20
cis-1,2-Dichloroethene	0.0250	0.0238	0.0238	95.2	95.3	74.0-123			0.100	20
trans-1,2-Dichloroethene	0.0250	0.0245	0.0243	97.9	97.4	72.0-122			0.560	20
1,2-Dichloropropane	0.0250	0.0239	0.0234	95.8	93.5	75.0-126			2.38	20
1,1-Dichloropropene	0.0250	0.0233	0.0232	93.1	92.9	72.0-130			0.230	20
cis-1,3-Dichloropropene	0.0250	0.0287	0.0291	115	116	80.0-125			1.24	20
1,3-Dichloropropane	0.0250	0.0258	0.0251	103	100	80.0-121			2.52	20
trans-1,3-Dichloropropene	0.0250	0.0276	0.0277	110	111	75.0-129			0.390	20
2,2-Dichloropropane	0.0250	0.0195	0.0196	77.8	78.4	60.0-129			0.680	20
Di-isopropyl ether	0.0250	0.0204	0.0197	81.7	79.0	62.0-133			3.34	20

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

(LCS) R3248365-1 09/06/17 22:07 • (LCSD) R3248365-2 09/06/17 22:27

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	0.0255	0.0261	102	104	77.0-120			2.31	20
Hexachloro-1,3-butadiene	0.0250	0.0266	0.0274	106	110	68.0-128			2.96	20
2-Hexanone	0.125	0.0993	0.0880	79.4	70.4	61.0-143			12.1	20
n-Hexane	0.0250	0.0199	0.0196	79.6	78.6	57.0-125			1.35	20
Iodomethane	0.125	0.123	0.121	98.6	97.1	67.0-132			1.52	20
2-Butanone (MEK)	0.125	0.0805	0.0677	64.4	54.2	37.0-159			17.2	20
Isopropylbenzene	0.0250	0.0243	0.0248	97.4	99.0	75.0-120			1.66	20
Methylene Chloride	0.0250	0.0224	0.0221	89.4	88.6	67.0-123			0.920	20
p-Isopropyltoluene	0.0250	0.0262	0.0265	105	106	74.0-125			1.33	20
4-Methyl-2-pentanone (MIBK)	0.125	0.104	0.0951	82.9	76.1	60.0-144			8.56	20
Methyl tert-butyl ether	0.0250	0.0207	0.0194	82.7	77.7	66.0-125			6.34	20
Naphthalene	0.0250	0.0251	0.0244	101	97.4	64.0-125			3.16	20
1,1,2,2-Tetrachloroethane	0.0250	0.0238	0.0220	95.4	88.0	73.0-120			8.06	20
n-Propylbenzene	0.0250	0.0250	0.0252	100	101	78.0-120			0.900	20
Tetrachloroethene	0.0250	0.0282	0.0291	113	116	70.0-127			3.05	20
Styrene	0.0250	0.0274	0.0277	110	111	78.0-124			1.12	20
1,1,1,2-Tetrachloroethane	0.0250	0.0234	0.0235	93.7	93.9	74.0-124			0.250	20
Toluene	0.0250	0.0248	0.0255	99.2	102	77.0-120			2.67	20
1,1,1-Trichloroethane	0.0250	0.0225	0.0223	90.2	89.4	69.0-125			0.900	20
1,1,2-Trichloroethane	0.0250	0.0253	0.0253	101	101	78.0-120			0.000	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0211	0.0211	84.5	84.2	64.0-135			0.350	20
1,2,3-Trichlorobenzene	0.0250	0.0266	0.0265	106	106	68.0-126			0.240	20
Trichloroethene	0.0250	0.0240	0.0240	96.0	95.9	79.0-120			0.130	20
1,2,4-Trichlorobenzene	0.0250	0.0241	0.0251	96.5	101	70.0-127			4.18	20
Trichlorofluoromethane	0.0250	0.0221	0.0217	88.6	86.7	59.0-136			2.17	20
1,2,3-Trichloropropane	0.0250	0.0237	0.0222	94.8	88.9	73.0-124			6.37	20
1,2,3-Trimethylbenzene	0.0250	0.0226	0.0227	90.3	90.8	76.0-120			0.580	20
1,2,4-Trimethylbenzene	0.0250	0.0242	0.0242	96.7	96.7	75.0-120			0.0200	20
Vinyl chloride	0.0250	0.0204	0.0206	81.5	82.4	63.0-134			1.07	20
1,3,5-Trimethylbenzene	0.0250	0.0250	0.0254	100	102	75.0-120			1.61	20
Xylenes, Total	0.0750	0.0764	0.0774	102	103	77.0-120			1.30	20
Vinyl acetate	0.125	0.119	0.112	95.5	89.2	58.0-156			6.79	20
(S) Toluene-d8				*113*	*115*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*103*	*74.0-131*				
(S) 4-Bromofluorobenzene				*104*	*104*	*64.0-132*				

L934152-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L934152-01 09/07/17 06:38 • (MS) R3248365-4 09/07/17 07:48 • (MSD) R3248365-5 09/07/17 08:08

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	0.574	0.697	14.9	18.1	25	10.0-160			19.3	36
Benzene	0.0308	ND	0.271	0.329	35.2	42.7	25	13.0-146			19.3	27
Bromodichloromethane	0.0308	ND	0.280	0.330	36.3	42.9	25	15.0-142			16.5	28
Acrylonitrile	0.154	ND	1.08	1.36	27.9	35.3	25	14.0-160			23.2	33
Bromoform	0.0308	ND	0.271	0.319	35.2	41.4	25	10.0-147			16.2	31
Bromobenzene	0.0308	ND	0.277	0.331	36.0	43.0	25	10.0-149			17.7	33
Bromomethane	0.0308	ND	0.118	0.138	15.4	17.9	25	10.0-160			15.3	32
Bromochloromethane	0.0308	ND	0.299	0.368	38.8	47.7	25	24.0-146			20.8	27
Carbon tetrachloride	0.0308	ND	0.246	0.305	31.9	39.6	25	13.0-140			21.4	30
n-Butylbenzene	0.0308	ND	0.292	0.358	37.9	46.5	25	10.0-154			20.2	37
Chlorobenzene	0.0308	ND	0.296	0.350	38.5	45.4	25	10.0-149			16.5	31
sec-Butylbenzene	0.0308	ND	0.294	0.359	38.1	46.6	25	10.0-151			19.9	36
Chlorodibromomethane	0.0308	ND	0.271	0.331	35.2	42.9	25	12.0-147			19.8	29
tert-Butylbenzene	0.0308	ND	0.278	0.342	36.0	44.4	25	10.0-152			20.7	35
Carbon disulfide	0.0308	ND	0.267	0.331	34.7	43.0	25	10.0-141			21.2	30
Chloroethane	0.0308	ND	0.0578	0.0678	7.50	8.80	25	10.0-159	J6	J6	15.9	33
Chloroform	0.0308	ND	0.279	0.349	36.2	45.3	25	18.0-148			22.4	28
Chloromethane	0.0308	ND	0.225	0.272	29.2	35.3	25	10.0-146			18.8	29
2-Chlorotoluene	0.0308	ND	0.287	0.345	37.3	44.8	25	10.0-151			18.3	35
1,2-Dichlorobenzene	0.0308	ND	0.284	0.345	36.9	44.8	25	10.0-153			19.3	34
4-Chlorotoluene	0.0308	ND	0.277	0.333	35.9	43.2	25	10.0-150			18.5	35
1,2-Dibromo-3-Chloropropane	0.0308	ND	0.258	0.325	33.5	42.2	25	10.0-149			22.9	34
1,3-Dichlorobenzene	0.0308	ND	0.276	0.334	35.8	43.4	25	10.0-150			19.3	35
1,2-Dibromoethane	0.0308	ND	0.302	0.349	39.1	45.4	25	14.0-145			14.7	28
1,4-Dichlorobenzene	0.0308	ND	0.277	0.337	35.9	43.7	25	10.0-148			19.6	34
Dibromomethane	0.0308	ND	0.254	0.306	33.0	39.8	25	18.0-144			18.6	27
Dichlorodifluoromethane	0.0308	ND	0.252	0.286	32.7	37.2	25	10.0-160			12.8	30
1,1-Dichloroethane	0.0308	ND	0.281	0.347	36.4	45.0	25	19.0-148			20.9	28
1,2-Dichloroethane	0.0308	ND	0.288	0.347	37.4	45.1	25	17.0-147			18.6	27
trans-1,4-Dichloro-2-butene	0.0308	ND	0.234	0.267	30.4	34.7	25	10.0-160			13.3	40
1,1-Dichloroethene	0.0308	ND	0.302	0.378	39.2	49.0	25	10.0-150			22.2	31
cis-1,2-Dichloroethene	0.0308	ND	0.276	0.350	35.8	45.4	25	16.0-145			23.6	28
trans-1,2-Dichloroethene	0.0308	ND	0.276	0.355	35.8	46.1	25	11.0-142			25.2	29
1,2-Dichloropropane	0.0308	ND	0.274	0.315	35.5	40.9	25	17.0-148			14.0	28
cis-1,3-Dichloropropene	0.0308	ND	0.311	0.370	40.4	48.0	25	13.0-150			17.1	28
trans-1,3-Dichloropropene	0.0308	ND	0.299	0.347	38.8	45.0	25	10.0-152			14.9	29
1,1-Dichloropropene	0.0308	ND	0.264	0.335	34.3	43.5	25	10.0-150			23.7	30
1,3-Dichloropropane	0.0308	ND	0.289	0.329	37.6	42.7	25	16.0-148			12.8	27
Di-isopropyl ether	0.0308	ND	0.243	0.300	31.5	39.0	25	16.0-149			21.1	28

L934152-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L934152-01 09/07/17 06:38 • (MS) R3248365-4 09/07/17 07:48 • (MSD) R3248365-5 09/07/17 08:08

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0308	ND	0.293	0.353	38.0	45.8	25	10.0-147			18.6	31
2,2-Dichloropropane	0.0308	ND	0.235	0.287	30.5	37.2	25	16.0-143			19.7	30
Hexachloro-1,3-butadiene	0.0308	ND	0.341	0.411	44.2	53.3	25	10.0-154			18.6	40
2-Hexanone	0.154	ND	0.940	1.11	24.4	28.8	25	12.0-158			16.5	30
2-Butanone (MEK)	0.154	ND	0.773	0.975	20.1	25.3	25	10.0-160			23.0	33
n-Hexane	0.0308	ND	0.218	0.267	28.3	34.7	25	10.0-140			20.2	34
Iodomethane	0.154	ND	1.52	1.88	39.5	48.9	25	10.0-157			21.1	34
Methylene Chloride	0.0308	ND	0.272	0.330	35.4	42.9	25	16.0-139			19.2	29
4-Methyl-2-pentanone (MIBK)	0.154	ND	1.05	1.27	27.3	33.1	25	12.0-160			19.1	32
Isopropylbenzene	0.0308	ND	0.277	0.340	36.0	44.1	25	10.0-147			20.4	33
Methyl tert-butyl ether	0.0308	ND	0.240	0.300	31.1	39.0	25	21.0-145			22.4	29
p-Isopropyltoluene	0.0308	ND	0.308	0.376	40.0	48.8	25	10.0-156			19.9	37
1,1,2,2-Tetrachloroethane	0.0308	ND	0.258	0.319	33.4	41.4	25	10.0-155			21.3	31
Naphthalene	0.0308	ND	0.306	0.376	39.7	48.8	25	10.0-153			20.6	36
Tetrachloroethene	0.0308	ND	0.314	0.366	39.6	46.3	25	10.0-144			15.1	32
n-Propylbenzene	0.0308	ND	0.286	0.351	37.1	45.5	25	10.0-151			20.4	34
Toluene	0.0308	ND	0.296	0.347	35.3	41.9	25	10.0-144			15.9	28
Styrene	0.0308	ND	0.310	0.375	40.3	48.7	25	10.0-155			19.0	34
1,1,1,2-Tetrachloroethane	0.0308	ND	0.268	0.323	34.8	41.9	25	10.0-147			18.3	30
1,1,1-Trichloroethane	0.0308	ND	0.262	0.331	34.0	42.9	25	18.0-145			23.2	29
1,1,2-Trichloroethane	0.0308	ND	0.273	0.328	35.4	42.6	25	12.0-151			18.5	28
Trichloroethene	0.0308	ND	0.268	0.322	34.8	41.7	25	11.0-148			18.2	29
1,1,2-Trichlorotrifluoroethane	0.0308	ND	0.285	0.346	36.9	44.9	25	10.0-153			19.4	33
Trichlorofluoromethane	0.0308	ND	0.175	0.186	22.8	24.1	25	10.0-157			5.66	34
1,2,3-Trichlorobenzene	0.0308	ND	0.332	0.408	43.1	52.9	25	10.0-153			20.4	40
1,2,4-Trichlorobenzene	0.0308	ND	0.310	0.380	40.2	49.4	25	10.0-156			20.5	40
1,2,3-Trichloropropane	0.0308	ND	0.255	0.314	33.1	40.8	25	10.0-154			20.7	32
Vinyl chloride	0.0308	ND	0.250	0.308	32.4	40.0	25	10.0-150			20.9	29
1,2,3-Trimethylbenzene	0.0308	ND	0.283	0.342	34.8	42.5	25	10.0-150			18.9	33
Xylenes, Total	0.0925	ND	0.939	1.09	38.0	44.7	25	10.0-150			15.2	31
1,2,4-Trimethylbenzene	0.0308	0.0426	0.331	0.391	37.4	45.3	25	10.0-151			16.8	34
1,3,5-Trimethylbenzene	0.0308	ND	0.303	0.360	37.9	45.3	25	10.0-150			17.2	33
Vinyl acetate	0.154	ND	1.26	1.54	32.7	40.0	25	10.0-160			20.1	40
(S) Toluene-d8					*115*	*111*		*80.0-120*				
(S) Dibromofluoromethane					*104*	*110*		*74.0-131*				
(S) 4-Bromofluorobenzene					*106*	*107*		*64.0-132*				

Sample Narrative:

OS: Stir bars received improperly prepped.

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.
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.

State Accreditations

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

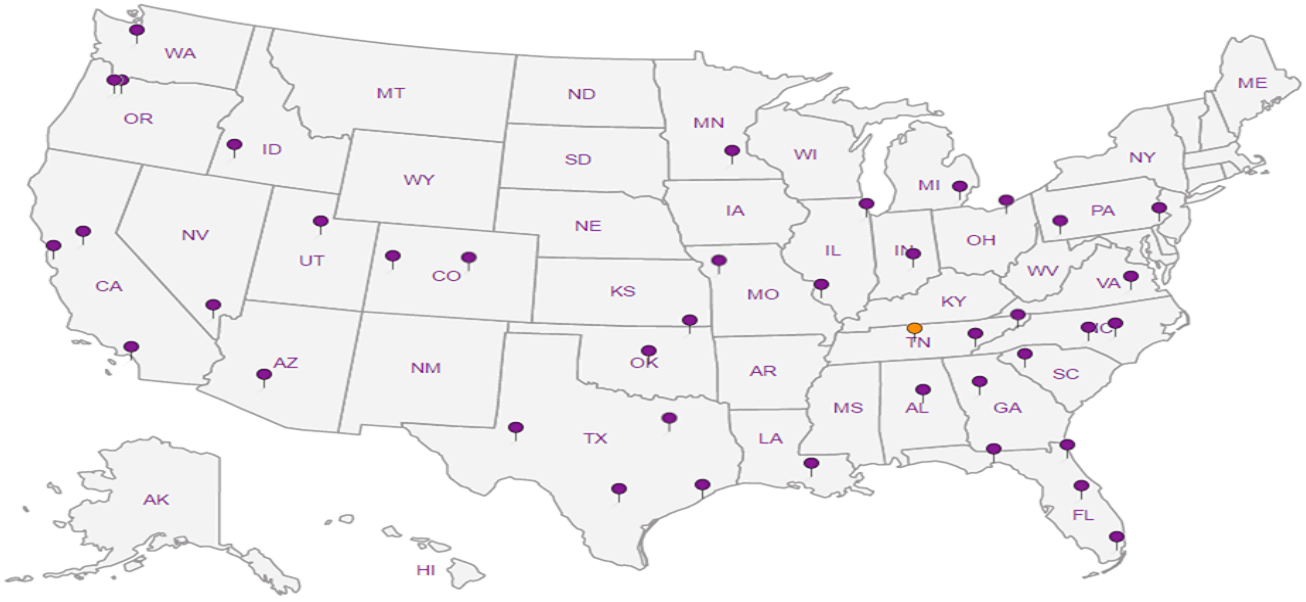
Third Party & Federal Accreditations

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

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413 001 02.602

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 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# 933742

C004

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B MW-137-85	GRAB	SS GW	85	09/01/17	0820	5 3	X		X	X	5		-01
B MW-137-95		SS	95		0900	5 4	X		X	X			-02
B- 216-20		SS	20		0915	4			X	X			-03
B- 216-13		SS	13		0930	4			X	X		HOLD	
B- 216-40		SS	40		1010	4			X	X			-04
B MW-147-107-W		GW SS	107		1130	6 4		X	5	5	X	HOLD	
B B-216-50		SS	50		1035	4			X	X			-05
B MW-137-115		SS GW	115		1145	5 3	X				5		-06
B- 216-65		SS GW	65		1145	4 3					5		-07
B- 216-55		SS	55		1215	4			X	X			-08

* 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 # 7474 0921 0366

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)
	9/1/17	1500	
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: 2.0 °C msv 50 Bottles Received: 52

Date: 9/2/17 Time: 0845

If preservation required by Login: Date/Time

8-218

Condition: NCF / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B- 216-85	GRAB	SS	85	9/1/17	1300	4 5	~~X~~		X	X			-09
B- 216-95	↓	SS	95	↓	1330	~~4~~ 5	~~X~~		X	X			-10
~~B~~ TRIP BLANK-090117	NA	~~NA~~ SS	NA		NA	~~1~~ 5	~~X~~		~~X~~	~~X~~	X		-11
B-		SS				5	X		X	X			
B-		SS				5	X		X	X			
B-		GW				6		X			X		
B-		GW				6		X			X		
B-		SS				5	X		X	X			
B-		SS				5	X		X	X			
B-		SS				5	X		X	X			

* 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 # 7474 0921 0364

Relinquished by : (Signature) — Date: 9/1/17 — Time: 1500 — Received by: (Signature)

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

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) — Date: 9/2/17 — Time: 0845

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 2.0 °C corr 3.0 — Bottles Received: 52

Hold: — Condition: NCF / OK

If preservation required by Login: Date/Time

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 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 #

Table #

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
TSR: 110 - Brian Ford
PB:

Shipped Via: FedEX Ground

Andy Vann

ESC Lab Sciences
Non-Conformance Form

Login #:L933742	Client: PESENVSWA	Date:09/01/17	Evaluated by: Myra "Katie" Ingram

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.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
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:

B-216-85 one SBB vial received broken

Client informed by:		Call		Email		Voice Mail		Date:	Time:
TSR Initials:bjf	Client Contact:								

Login Instructions:

Proceed with remaining sample volume

MEMORANDUM

TO: Project File **DATE:** October 12, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 1, 2017 – Soil and Groundwater Samples

LAB: ESC Lab ID L933742

Eleven (11) soil samples, one (1) groundwater sample, and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 1, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. One soil and one groundwater sample were placed on hold. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L933742. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L933742 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 with the following discussion:

- ESC Non-Conformance Form indicates that one of the VOC vials for sample B-216-85 (L933742-09) was broken. ESC proceeded with the requested analysis after confirmation with PES. No action was taken other than to note this.

Sample Collection and Preservation

Samples were collected on September 1, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.0 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved water from the date of sample 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 soils and preserved water from the date of sample collection. All holding time criteria were met.

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

- *USEPA Method 8260C (soil):* Continuing calibration verification (CCV) issues are noted by ESC for trans-1,4-dichloro-2-butene associated with analytical batch WG1017429 (analyzed on September 7, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ).**

- *USEPA Method 8260C (soil):* Continuing calibration verification (CCV) issues are noted by ESC for acetone, acrylonitrile, chloromethane, dichlorodifluoromethane, 2-hexanone, n-hexane, 2-butanone (MEK), and 4-methyl-2-pentanone (MIBK) associated with analytical batch WG1017434 (analyzed on September 7, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **The associated sample B-216-95 result laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

NWTPH-Gx Method:
Laboratory method blanks were included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blanks at or above the RDL.

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batch 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:
A trip blank was collected and submitted for analysis. The target analytes (VOCs) were not detected in the trip blank at or above the reported detection limits (RDLs).

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate samples were not collected. Refer to spike data for accuracy and precision data.

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:
Laboratory duplicate samples were not analyzed. Refer to LCS/LCSDs and MS/MSDs results for precision data on soils and waters.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analysis was performed on client samples MW-137-85. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

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

Laboratory Control Samples

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

- LCS/LCSD (Batch WG1017434) RPD result for acetone is above laboratory acceptance criteria (20%) and qualified by the laboratory (J3). No action was taken on this basis as MS/MSD percent recovery results are recovered wide but are within control limits.

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils.

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 on soils were performed on non-client

sample within the analytical batch. Refer to LCS results for accuracy data since MS/MSD analyses were not performed on the analytical batch associated with the water (trip blank) sample. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils with the following discussion:

- MS/MSD (Batch WG1017434) recoveries for chloroethane are low, below laboratory acceptance criteria, and qualified (J6) by the laboratory to indicate matrix interference. No action is taken since this spike was performed on a non-client sample within the analytical batch and LCS/LCSD results for chloroethane are acceptable.

NWTPH-Gx Method:
MS/MSDs were analyzed by the NWTPH-Gx method on a non-client sample within the analytical batch. The MS/MSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for soils.

Other Quality Control Issues

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

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	09/08/2017 15:56	WG1018229

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		0.0406	0.120	1	09/10/2017 03:47	WG1018662
(S) a,a,a-Trifluorotoluene(FID)	*95.5*			*77.0-120*		*09/10/2017 03:47*	WG1018662

Volatile Organic Compounds (GC/MS) 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	0.0599	1	09/07/2017 01:06	WG1017429
Acrylonitrile	U		0.00215	0.0120	1	09/07/2017 01:06	WG1017429
Benzene	U		0.000324	0.00120	1	09/07/2017 01:06	WG1017429
Bromobenzene	U		0.000340	0.00120	1	09/07/2017 01:06	WG1017429
Bromodichloromethane	U		0.000304	0.00120	1	09/07/2017 01:06	WG1017429
Bromochloromethane	U		0.000467	0.00599	1	09/07/2017 01:06	WG1017429
Bromoform	U		0.000508	0.00120	1	09/07/2017 01:06	WG1017429
Bromomethane	U		0.00161	0.00599	1	09/07/2017 01:06	WG1017429
n-Butylbenzene	U		0.000309	0.00120	1	09/07/2017 01:06	WG1017429
sec-Butylbenzene	U		0.000241	0.00120	1	09/07/2017 01:06	WG1017429
tert-Butylbenzene	U		0.000247	0.00120	1	09/07/2017 01:06	WG1017429
Carbon disulfide	0.00141		0.000265	0.00120	1	09/07/2017 01:06	WG1017429
Carbon tetrachloride	U		0.000393	0.00120	1	09/07/2017 01:06	WG1017429
Chlorobenzene	U		0.000254	0.00120	1	09/07/2017 01:06	WG1017429
Chlorodibromomethane	U		0.000447	0.00120	1	09/07/2017 01:06	WG1017429
Chloroethane	U		0.00113	0.00599	1	09/07/2017 01:06	WG1017429
Chloroform	U		0.000274	0.00599	1	09/07/2017 01:06	WG1017429
Chloromethane	U		0.000449	0.00300	1	09/07/2017 01:06	WG1017429
2-Chlorotoluene	U		0.000361	0.00120	1	09/07/2017 01:06	WG1017429
4-Chlorotoluene	U		0.000288	0.00120	1	09/07/2017 01:06	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00599	1	09/07/2017 01:06	WG1017429
1,2-Dibromoethane	U		0.000411	0.00120	1	09/07/2017 01:06	WG1017429
Dibromomethane	U		0.000458	0.00120	1	09/07/2017 01:06	WG1017429
1,2-Dichlorobenzene	U		0.000366	0.00120	1	09/07/2017 01:06	WG1017429
1,3-Dichlorobenzene	U		0.000286	0.00120	1	09/07/2017 01:06	WG1017429
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/07/2017 01:06	WG1017429
Dichlorodifluoromethane	U		0.000855	0.00599	1	09/07/2017 01:06	WG1017429
1,1-Dichloroethane	U		0.000238	0.00120	1	09/07/2017 01:06	WG1017429
1,2-Dichloroethane	U		0.000318	0.00120	1	09/07/2017 01:06	WG1017429
1,1-Dichloroethene	U		0.000363	0.00120	1	09/07/2017 01:06	WG1017429
cis-1,2-Dichloroethene	U		0.000282	0.00120	1	09/07/2017 01:06	WG1017429
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	09/07/2017 01:06	WG1017429
1,2-Dichloropropane	U		0.000429	0.00120	1	09/07/2017 01:06	WG1017429
1,1-Dichloropropene	U		0.000380	0.00120	1	09/07/2017 01:06	WG1017429
1,3-Dichloropropane	U		0.000248	0.00120	1	09/07/2017 01:06	WG1017429
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	09/07/2017 01:06	WG1017429
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	09/07/2017 01:06	WG1017429
trans-1,4-Dichloro-2-butene	U UJ	JO	0.000932	0.00300	1	09/07/2017 01:06	WG1017429
2,2-Dichloropropane	U		0.000334	0.00120	1	09/07/2017 01:06	WG1017429
Di-isopropyl ether	U		0.000297	0.00120	1	09/07/2017 01:06	WG1017429
Ethylbenzene	U		0.000356	0.00120	1	09/07/2017 01:06	WG1017429
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	09/07/2017 01:06	WG1017429
2-Hexanone	U		0.00164	0.0120	1	09/07/2017 01:06	WG1017429
n-Hexane	0.00261 J	J	0.000348	0.0120	1	09/07/2017 01:06	WG1017429

JC 10/12/17

Volatile Organic Compounds (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		0.00303	0.0120	1	09/07/2017 01:06	WG1017429
Isopropylbenzene	U		0.000291	0.00120	1	09/07/2017 01:06	WG1017429
p-Isopropyltoluene	U		0.000244	0.00120	1	09/07/2017 01:06	WG1017429
2-Butanone (MEK)	U		0.00561	0.0120	1	09/07/2017 01:06	WG1017429
Methylene Chloride	U		0.00120	0.00599	1	09/07/2017 01:06	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	09/07/2017 01:06	WG1017429
Methyl tert-butyl ether	U		0.000254	0.00120	1	09/07/2017 01:06	WG1017429
Naphthalene	U		0.00120	0.00599	1	09/07/2017 01:06	WG1017429
n-Propylbenzene	U		0.000247	0.00120	1	09/07/2017 01:06	WG1017429
Styrene	U		0.000280	0.00120	1	09/07/2017 01:06	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	09/07/2017 01:06	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	09/07/2017 01:06	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	09/07/2017 01:06	WG1017429
Tetrachloroethene	U		0.000331	0.00120	1	09/07/2017 01:06	WG1017429
Toluene	U		0.000520	0.00599	1	09/07/2017 01:06	WG1017429
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	09/07/2017 01:06	WG1017429
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	09/07/2017 01:06	WG1017429
1,1,1-Trichloroethane	U		0.000343	0.00120	1	09/07/2017 01:06	WG1017429
1,1,2-Trichloroethane	U		0.000332	0.00120	1	09/07/2017 01:06	WG1017429
Trichloroethene	U		0.000334	0.00120	1	09/07/2017 01:06	WG1017429
Trichlorofluoromethane	U		0.000458	0.00599	1	09/07/2017 01:06	WG1017429
1,2,3-Trichloropropane	U		0.000888	0.00300	1	09/07/2017 01:06	WG1017429
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/07/2017 01:06	WG1017429
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	09/07/2017 01:06	WG1017429
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	09/07/2017 01:06	WG1017429
Vinyl acetate	U		0.00286	0.0120	1	09/07/2017 01:06	WG1017429
Vinyl chloride	U		0.000349	0.00120	1	09/07/2017 01:06	WG1017429
Xylenes, Total	U		0.000837	0.00360	1	09/07/2017 01:06	WG1017429
(S) Toluene-d8	*97.7*			*80.0-120*		*09/07/2017 01:06*	WG1017429
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 01:06*	WG1017429
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/07/2017 01:06*	WG1017429

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	09/08/2017 15:56	WG1018229

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		0.0363	0.107	1	09/10/2017 04:09	WG1018662
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*77.0-120*		*09/10/2017 04:09*	WG1018662

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0535	1	09/07/2017 01:28	WG1017429
Acrylonitrile	U		0.00192	0.0107	1	09/07/2017 01:28	WG1017429
Benzene	U		0.000289	0.00107	1	09/07/2017 01:28	WG1017429
Bromobenzene	U		0.000304	0.00107	1	09/07/2017 01:28	WG1017429
Bromodichloromethane	U		0.000272	0.00107	1	09/07/2017 01:28	WG1017429
Bromochloromethane	U		0.000418	0.00535	1	09/07/2017 01:28	WG1017429
Bromoform	U		0.000454	0.00107	1	09/07/2017 01:28	WG1017429
Bromomethane	U		0.00143	0.00535	1	09/07/2017 01:28	WG1017429
n-Butylbenzene	U		0.000276	0.00107	1	09/07/2017 01:28	WG1017429
sec-Butylbenzene	U		0.000215	0.00107	1	09/07/2017 01:28	WG1017429
tert-Butylbenzene	U		0.000221	0.00107	1	09/07/2017 01:28	WG1017429
Carbon disulfide	0.000537 J	J	0.000237	0.00107	1	09/07/2017 01:28	WG1017429
Carbon tetrachloride	U		0.000351	0.00107	1	09/07/2017 01:28	WG1017429
Chlorobenzene	U		0.000227	0.00107	1	09/07/2017 01:28	WG1017429
Chlorodibromomethane	U		0.000399	0.00107	1	09/07/2017 01:28	WG1017429
Chloroethane	U		0.00101	0.00535	1	09/07/2017 01:28	WG1017429
Chloroform	U		0.000245	0.00535	1	09/07/2017 01:28	WG1017429
Chloromethane	U		0.000402	0.00268	1	09/07/2017 01:28	WG1017429
2-Chlorotoluene	U		0.000322	0.00107	1	09/07/2017 01:28	WG1017429
4-Chlorotoluene	U		0.000257	0.00107	1	09/07/2017 01:28	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/07/2017 01:28	WG1017429
1,2-Dibromoethane	U		0.000367	0.00107	1	09/07/2017 01:28	WG1017429
Dibromomethane	U		0.000409	0.00107	1	09/07/2017 01:28	WG1017429
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/07/2017 01:28	WG1017429
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/07/2017 01:28	WG1017429
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/07/2017 01:28	WG1017429
Dichlorodifluoromethane	U		0.000764	0.00535	1	09/07/2017 01:28	WG1017429
1,1-Dichloroethane	U		0.000213	0.00107	1	09/07/2017 01:28	WG1017429
1,2-Dichloroethane	U		0.000284	0.00107	1	09/07/2017 01:28	WG1017429
1,1-Dichloroethene	U		0.000324	0.00107	1	09/07/2017 01:28	WG1017429
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	09/07/2017 01:28	WG1017429
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/07/2017 01:28	WG1017429
1,2-Dichloropropane	U		0.000383	0.00107	1	09/07/2017 01:28	WG1017429
1,1-Dichloropropene	U		0.000339	0.00107	1	09/07/2017 01:28	WG1017429
1,3-Dichloropropane	U		0.000222	0.00107	1	09/07/2017 01:28	WG1017429
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/07/2017 01:28	WG1017429
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/07/2017 01:28	WG1017429
trans-1,4-Dichloro-2-butene	U UJ	JO	0.000833	0.00268	1	09/07/2017 01:28	WG1017429
2,2-Dichloropropane	U		0.000299	0.00107	1	09/07/2017 01:28	WG1017429
Di-isopropyl ether	U		0.000266	0.00107	1	09/07/2017 01:28	WG1017429
Ethylbenzene	U		0.000318	0.00107	1	09/07/2017 01:28	WG1017429
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	09/07/2017 01:28	WG1017429
2-Hexanone	U		0.00147	0.0107	1	09/07/2017 01:28	WG1017429
n-Hexane	0.00340 J	J	0.000311	0.0107	1	09/07/2017 01:28	WG1017429

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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		0.00271	0.0107	1	09/07/2017 01:28	WG1017429
Isopropylbenzene	U		0.000260	0.00107	1	09/07/2017 01:28	WG1017429
p-Isopropyltoluene	U		0.000218	0.00107	1	09/07/2017 01:28	WG1017429
2-Butanone (MEK)	U		0.00501	0.0107	1	09/07/2017 01:28	WG1017429
Methylene Chloride	U		0.00107	0.00535	1	09/07/2017 01:28	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/07/2017 01:28	WG1017429
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/07/2017 01:28	WG1017429
Naphthalene	U		0.00107	0.00535	1	09/07/2017 01:28	WG1017429
n-Propylbenzene	U		0.000221	0.00107	1	09/07/2017 01:28	WG1017429
Styrene	U		0.000251	0.00107	1	09/07/2017 01:28	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/07/2017 01:28	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/07/2017 01:28	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/07/2017 01:28	WG1017429
Tetrachloroethene	U		0.000296	0.00107	1	09/07/2017 01:28	WG1017429
Toluene	U		0.000465	0.00535	1	09/07/2017 01:28	WG1017429
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/07/2017 01:28	WG1017429
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	09/07/2017 01:28	WG1017429
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/07/2017 01:28	WG1017429
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/07/2017 01:28	WG1017429
Trichloroethene	U		0.000299	0.00107	1	09/07/2017 01:28	WG1017429
Trichlorofluoromethane	U		0.000409	0.00535	1	09/07/2017 01:28	WG1017429
1,2,3-Trichloropropane	U		0.000794	0.00268	1	09/07/2017 01:28	WG1017429
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/07/2017 01:28	WG1017429
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/07/2017 01:28	WG1017429
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/07/2017 01:28	WG1017429
Vinyl acetate	U		0.00256	0.0107	1	09/07/2017 01:28	WG1017429
Vinyl chloride	U		0.000312	0.00107	1	09/07/2017 01:28	WG1017429
Xylenes, Total	U		0.000747	0.00321	1	09/07/2017 01:28	WG1017429
(S) Toluene-d8	*99.7*			*80.0-120*		*09/07/2017 01:28*	WG1017429
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 01:28*	WG1017429
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/07/2017 01:28*	WG1017429

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.8		1	09/08/2017 15:56	WG1018229

Volatile Organic Compounds (GC/MS) 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	0.0539	1	09/07/2017 01:49	WG1017429
Acrylonitrile	U		0.00193	0.0108	1	09/07/2017 01:49	WG1017429
Benzene	U		0.000291	0.00108	1	09/07/2017 01:49	WG1017429
Bromobenzene	U		0.000306	0.00108	1	09/07/2017 01:49	WG1017429
Bromodichloromethane	U		0.000274	0.00108	1	09/07/2017 01:49	WG1017429
Bromochloromethane	U		0.000420	0.00539	1	09/07/2017 01:49	WG1017429
Bromoform	U		0.000457	0.00108	1	09/07/2017 01:49	WG1017429
Bromomethane	U		0.00144	0.00539	1	09/07/2017 01:49	WG1017429
n-Butylbenzene	U		0.000278	0.00108	1	09/07/2017 01:49	WG1017429
sec-Butylbenzene	U		0.000216	0.00108	1	09/07/2017 01:49	WG1017429
tert-Butylbenzene	U		0.000222	0.00108	1	09/07/2017 01:49	WG1017429
Carbon disulfide	0.000700	J J	0.000238	0.00108	1	09/07/2017 01:49	WG1017429
Carbon tetrachloride	U		0.000353	0.00108	1	09/07/2017 01:49	WG1017429
Chlorobenzene	U		0.000228	0.00108	1	09/07/2017 01:49	WG1017429
Chlorodibromomethane	U		0.000402	0.00108	1	09/07/2017 01:49	WG1017429
Chloroethane	U		0.00102	0.00539	1	09/07/2017 01:49	WG1017429
Chloroform	U		0.000247	0.00539	1	09/07/2017 01:49	WG1017429
Chloromethane	U		0.000404	0.00269	1	09/07/2017 01:49	WG1017429
2-Chlorotoluene	U		0.000324	0.00108	1	09/07/2017 01:49	WG1017429
4-Chlorotoluene	U		0.000259	0.00108	1	09/07/2017 01:49	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00539	1	09/07/2017 01:49	WG1017429
1,2-Dibromoethane	U		0.000369	0.00108	1	09/07/2017 01:49	WG1017429
Dibromomethane	U		0.000411	0.00108	1	09/07/2017 01:49	WG1017429
1,2-Dichlorobenzene	U		0.000329	0.00108	1	09/07/2017 01:49	WG1017429
1,3-Dichlorobenzene	U		0.000257	0.00108	1	09/07/2017 01:49	WG1017429
1,4-Dichlorobenzene	U		0.000243	0.00108	1	09/07/2017 01:49	WG1017429
Dichlorodifluoromethane	U		0.000768	0.00539	1	09/07/2017 01:49	WG1017429
1,1-Dichloroethane	U		0.000214	0.00108	1	09/07/2017 01:49	WG1017429
1,2-Dichloroethane	U		0.000285	0.00108	1	09/07/2017 01:49	WG1017429
1,1-Dichloroethene	U		0.000326	0.00108	1	09/07/2017 01:49	WG1017429
cis-1,2-Dichloroethene	U		0.000253	0.00108	1	09/07/2017 01:49	WG1017429
trans-1,2-Dichloroethene	U		0.000284	0.00108	1	09/07/2017 01:49	WG1017429
1,2-Dichloropropane	U		0.000386	0.00108	1	09/07/2017 01:49	WG1017429
1,1-Dichloropropene	U		0.000341	0.00108	1	09/07/2017 01:49	WG1017429
1,3-Dichloropropane	U		0.000223	0.00108	1	09/07/2017 01:49	WG1017429
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	09/07/2017 01:49	WG1017429
trans-1,3-Dichloropropene	U		0.000288	0.00108	1	09/07/2017 01:49	WG1017429
trans-1,4-Dichloro-2-butene	U	UJ JO	0.000838	0.00269	1	09/07/2017 01:49	WG1017429
2,2-Dichloropropane	U		0.000301	0.00108	1	09/07/2017 01:49	WG1017429
Di-isopropyl ether	U		0.000267	0.00108	1	09/07/2017 01:49	WG1017429
Ethylbenzene	U		0.000320	0.00108	1	09/07/2017 01:49	WG1017429
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	09/07/2017 01:49	WG1017429
2-Hexanone	U		0.00148	0.0108	1	09/07/2017 01:49	WG1017429
n-Hexane	0.000460	J J	0.000312	0.0108	1	09/07/2017 01:49	WG1017429
Iodomethane	U		0.00273	0.0108	1	09/07/2017 01:49	WG1017429
Isopropylbenzene	U		0.000262	0.00108	1	09/07/2017 01:49	WG1017429
p-Isopropyltoluene	U		0.000220	0.00108	1	09/07/2017 01:49	WG1017429
2-Butanone (MEK)	U		0.00504	0.0108	1	09/07/2017 01:49	WG1017429
Methylene Chloride	U		0.00108	0.00539	1	09/07/2017 01:49	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	09/07/2017 01:49	WG1017429

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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	09/07/2017 01:49	WG1017429
Naphthalene	U		0.00108	0.00539	1	09/07/2017 01:49	WG1017429
n-Propylbenzene	U		0.000222	0.00108	1	09/07/2017 01:49	WG1017429
Styrene	U		0.000252	0.00108	1	09/07/2017 01:49	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	09/07/2017 01:49	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	09/07/2017 01:49	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	09/07/2017 01:49	WG1017429
Tetrachloroethene	0.00134		0.000297	0.00108	1	09/07/2017 01:49	WG1017429
Toluene	U		0.000467	0.00539	1	09/07/2017 01:49	WG1017429
1,2,3-Trichlorobenzene	U		0.000330	0.00108	1	09/07/2017 01:49	WG1017429
1,2,4-Trichlorobenzene	U		0.000418	0.00108	1	09/07/2017 01:49	WG1017429
1,1,1-Trichloroethane	U		0.000308	0.00108	1	09/07/2017 01:49	WG1017429
1,1,2-Trichloroethane	U		0.000298	0.00108	1	09/07/2017 01:49	WG1017429
Trichloroethene	U		0.000301	0.00108	1	09/07/2017 01:49	WG1017429
Trichlorofluoromethane	U		0.000411	0.00539	1	09/07/2017 01:49	WG1017429
1,2,3-Trichloropropane	U		0.000798	0.00269	1	09/07/2017 01:49	WG1017429
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	09/07/2017 01:49	WG1017429
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	09/07/2017 01:49	WG1017429
1,3,5-Trimethylbenzene	U		0.000287	0.00108	1	09/07/2017 01:49	WG1017429
Vinyl acetate	U		0.00257	0.0108	1	09/07/2017 01:49	WG1017429
Vinyl chloride	U		0.000313	0.00108	1	09/07/2017 01:49	WG1017429
Xylenes, Total	U		0.000752	0.00323	1	09/07/2017 01:49	WG1017429
(S) Toluene-d8	*99.8*			*80.0-120*		*09/07/2017 01:49*	WG1017429
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/07/2017 01:49*	WG1017429
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*09/07/2017 01:49*	WG1017429

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	09/08/2017 15:56	WG1018229

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0269 J	J	0.0108	0.0542	1	09/07/2017 02:11	WG1017429
Acrylonitrile	U		0.00194	0.0108	1	09/07/2017 02:11	WG1017429
Benzene	U		0.000293	0.00108	1	09/07/2017 02:11	WG1017429
Bromobenzene	U		0.000308	0.00108	1	09/07/2017 02:11	WG1017429
Bromodichloromethane	U		0.000276	0.00108	1	09/07/2017 02:11	WG1017429
Bromochloromethane	U		0.000423	0.00542	1	09/07/2017 02:11	WG1017429
Bromoform	U		0.000460	0.00108	1	09/07/2017 02:11	WG1017429
Bromomethane	U		0.00145	0.00542	1	09/07/2017 02:11	WG1017429
n-Butylbenzene	U		0.000280	0.00108	1	09/07/2017 02:11	WG1017429
sec-Butylbenzene	U		0.000218	0.00108	1	09/07/2017 02:11	WG1017429
tert-Butylbenzene	U		0.000223	0.00108	1	09/07/2017 02:11	WG1017429
Carbon disulfide	0.000272 J	J	0.000240	0.00108	1	09/07/2017 02:11	WG1017429
Carbon tetrachloride	U		0.000356	0.00108	1	09/07/2017 02:11	WG1017429
Chlorobenzene	U		0.000230	0.00108	1	09/07/2017 02:11	WG1017429
Chlorodibromomethane	U		0.000405	0.00108	1	09/07/2017 02:11	WG1017429
Chloroethane	U		0.00103	0.00542	1	09/07/2017 02:11	WG1017429
Chloroform	U		0.000248	0.00542	1	09/07/2017 02:11	WG1017429
Chloromethane	U		0.000407	0.00271	1	09/07/2017 02:11	WG1017429
2-Chlorotoluene	U		0.000327	0.00108	1	09/07/2017 02:11	WG1017429
4-Chlorotoluene	U		0.000260	0.00108	1	09/07/2017 02:11	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	09/07/2017 02:11	WG1017429
1,2-Dibromoethane	U		0.000372	0.00108	1	09/07/2017 02:11	WG1017429
Dibromomethane	U		0.000414	0.00108	1	09/07/2017 02:11	WG1017429
1,2-Dichlorobenzene	U		0.000331	0.00108	1	09/07/2017 02:11	WG1017429
1,3-Dichlorobenzene	U		0.000259	0.00108	1	09/07/2017 02:11	WG1017429
1,4-Dichlorobenzene	U		0.000245	0.00108	1	09/07/2017 02:11	WG1017429
Dichlorodifluoromethane	U		0.000773	0.00542	1	09/07/2017 02:11	WG1017429
1,1-Dichloroethane	U		0.000216	0.00108	1	09/07/2017 02:11	WG1017429
1,2-Dichloroethane	U		0.000287	0.00108	1	09/07/2017 02:11	WG1017429
1,1-Dichloroethene	U		0.000329	0.00108	1	09/07/2017 02:11	WG1017429
cis-1,2-Dichloroethene	U		0.000255	0.00108	1	09/07/2017 02:11	WG1017429
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	09/07/2017 02:11	WG1017429
1,2-Dichloropropane	U		0.000388	0.00108	1	09/07/2017 02:11	WG1017429
1,1-Dichloropropene	U		0.000344	0.00108	1	09/07/2017 02:11	WG1017429
1,3-Dichloropropane	U		0.000225	0.00108	1	09/07/2017 02:11	WG1017429
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	09/07/2017 02:11	WG1017429
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	09/07/2017 02:11	WG1017429
trans-1,4-Dichloro-2-butene	U UJ	JO	0.000844	0.00271	1	09/07/2017 02:11	WG1017429
2,2-Dichloropropane	U		0.000303	0.00108	1	09/07/2017 02:11	WG1017429
Di-isopropyl ether	U		0.000269	0.00108	1	09/07/2017 02:11	WG1017429
Ethylbenzene	U		0.000322	0.00108	1	09/07/2017 02:11	WG1017429
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	09/07/2017 02:11	WG1017429
2-Hexanone	U		0.00149	0.0108	1	09/07/2017 02:11	WG1017429
n-Hexane	0.000659 J	J	0.000315	0.0108	1	09/07/2017 02:11	WG1017429
Iodomethane	U		0.00274	0.0108	1	09/07/2017 02:11	WG1017429
Isopropylbenzene	U		0.000264	0.00108	1	09/07/2017 02:11	WG1017429
p-Isopropyltoluene	U		0.000221	0.00108	1	09/07/2017 02:11	WG1017429
2-Butanone (MEK)	0.00569 J	J	0.00508	0.0108	1	09/07/2017 02:11	WG1017429
Methylene Chloride	U		0.00108	0.00542	1	09/07/2017 02:11	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	09/07/2017 02:11	WG1017429

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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	09/07/2017 02:11	WG1017429
Naphthalene	U		0.00108	0.00542	1	09/07/2017 02:11	WG1017429
n-Propylbenzene	U		0.000223	0.00108	1	09/07/2017 02:11	WG1017429
Styrene	U		0.000254	0.00108	1	09/07/2017 02:11	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/07/2017 02:11	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	09/07/2017 02:11	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	09/07/2017 02:11	WG1017429
Tetrachloroethene	U		0.000299	0.00108	1	09/07/2017 02:11	WG1017429
Toluene	U		0.000471	0.00542	1	09/07/2017 02:11	WG1017429
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	09/07/2017 02:11	WG1017429
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	09/07/2017 02:11	WG1017429
1,1,1-Trichloroethane	U		0.000310	0.00108	1	09/07/2017 02:11	WG1017429
1,1,2-Trichloroethane	U		0.000300	0.00108	1	09/07/2017 02:11	WG1017429
Trichloroethene	U		0.000303	0.00108	1	09/07/2017 02:11	WG1017429
Trichlorofluoromethane	U		0.000414	0.00542	1	09/07/2017 02:11	WG1017429
1,2,3-Trichloropropane	U		0.000804	0.00271	1	09/07/2017 02:11	WG1017429
1,2,4-Trimethylbenzene	U		0.000229	0.00108	1	09/07/2017 02:11	WG1017429
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	09/07/2017 02:11	WG1017429
1,3,5-Trimethylbenzene	U		0.000289	0.00108	1	09/07/2017 02:11	WG1017429
Vinyl acetate	U		0.00259	0.0108	1	09/07/2017 02:11	WG1017429
Vinyl chloride	U		0.000316	0.00108	1	09/07/2017 02:11	WG1017429
Xylenes, Total	U		0.000757	0.00325	1	09/07/2017 02:11	WG1017429
(S) Toluene-d8	*98.0*			*80.0-120*		*09/07/2017 02:11*	WG1017429
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/07/2017 02:11*	WG1017429
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/07/2017 02:11*	WG1017429

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	09/08/2017 15:56	WG1018229

Volatile Organic Compounds (GC/MS) 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	09/07/2017 02:33	WG1017429
Acrylonitrile	U		0.00193	0.0108	1	09/07/2017 02:33	WG1017429
Benzene	U		0.000292	0.00108	1	09/07/2017 02:33	WG1017429
Bromobenzene	U		0.000307	0.00108	1	09/07/2017 02:33	WG1017429
Bromodichloromethane	U		0.000275	0.00108	1	09/07/2017 02:33	WG1017429
Bromochloromethane	U		0.000422	0.00540	1	09/07/2017 02:33	WG1017429
Bromoform	U		0.000458	0.00108	1	09/07/2017 02:33	WG1017429
Bromomethane	U		0.00145	0.00540	1	09/07/2017 02:33	WG1017429
n-Butylbenzene	U		0.000279	0.00108	1	09/07/2017 02:33	WG1017429
sec-Butylbenzene	U		0.000217	0.00108	1	09/07/2017 02:33	WG1017429
tert-Butylbenzene	U		0.000223	0.00108	1	09/07/2017 02:33	WG1017429
Carbon disulfide	0.000310	J J	0.000239	0.00108	1	09/07/2017 02:33	WG1017429
Carbon tetrachloride	U		0.000355	0.00108	1	09/07/2017 02:33	WG1017429
Chlorobenzene	U		0.000229	0.00108	1	09/07/2017 02:33	WG1017429
Chlorodibromomethane	U		0.000403	0.00108	1	09/07/2017 02:33	WG1017429
Chloroethane	U		0.00102	0.00540	1	09/07/2017 02:33	WG1017429
Chloroform	U		0.000248	0.00540	1	09/07/2017 02:33	WG1017429
Chloromethane	U		0.000405	0.00270	1	09/07/2017 02:33	WG1017429
2-Chlorotoluene	U		0.000325	0.00108	1	09/07/2017 02:33	WG1017429
4-Chlorotoluene	U		0.000259	0.00108	1	09/07/2017 02:33	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00540	1	09/07/2017 02:33	WG1017429
1,2-Dibromoethane	U		0.000371	0.00108	1	09/07/2017 02:33	WG1017429
Dibromomethane	U		0.000413	0.00108	1	09/07/2017 02:33	WG1017429
1,2-Dichlorobenzene	U		0.000330	0.00108	1	09/07/2017 02:33	WG1017429
1,3-Dichlorobenzene	U		0.000258	0.00108	1	09/07/2017 02:33	WG1017429
1,4-Dichlorobenzene	U		0.000244	0.00108	1	09/07/2017 02:33	WG1017429
Dichlorodifluoromethane	U		0.000771	0.00540	1	09/07/2017 02:33	WG1017429
1,1-Dichloroethane	U		0.000215	0.00108	1	09/07/2017 02:33	WG1017429
1,2-Dichloroethane	U		0.000286	0.00108	1	09/07/2017 02:33	WG1017429
1,1-Dichloroethene	U		0.000328	0.00108	1	09/07/2017 02:33	WG1017429
cis-1,2-Dichloroethene	U		0.000254	0.00108	1	09/07/2017 02:33	WG1017429
trans-1,2-Dichloroethene	U		0.000285	0.00108	1	09/07/2017 02:33	WG1017429
1,2-Dichloropropane	U		0.000387	0.00108	1	09/07/2017 02:33	WG1017429
1,1-Dichloropropene	U		0.000343	0.00108	1	09/07/2017 02:33	WG1017429
1,3-Dichloropropane	U		0.000224	0.00108	1	09/07/2017 02:33	WG1017429
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	09/07/2017 02:33	WG1017429
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	09/07/2017 02:33	WG1017429
trans-1,4-Dichloro-2-butene	U	UJ JO	0.000841	0.00270	1	09/07/2017 02:33	WG1017429
2,2-Dichloropropane	U		0.000302	0.00108	1	09/07/2017 02:33	WG1017429
Di-isopropyl ether	U		0.000268	0.00108	1	09/07/2017 02:33	WG1017429
Ethylbenzene	U		0.000321	0.00108	1	09/07/2017 02:33	WG1017429
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	09/07/2017 02:33	WG1017429
2-Hexanone	U		0.00148	0.0108	1	09/07/2017 02:33	WG1017429
n-Hexane	0.000708	J J	0.000313	0.0108	1	09/07/2017 02:33	WG1017429
Iodomethane	U		0.00273	0.0108	1	09/07/2017 02:33	WG1017429
Isopropylbenzene	U		0.000263	0.00108	1	09/07/2017 02:33	WG1017429
p-Isopropyltoluene	U		0.000221	0.00108	1	09/07/2017 02:33	WG1017429
2-Butanone (MEK)	U		0.00506	0.0108	1	09/07/2017 02:33	WG1017429
Methylene Chloride	U		0.00108	0.00540	1	09/07/2017 02:33	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	09/07/2017 02:33	WG1017429

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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	09/07/2017 02:33	WG1017429
Naphthalene	U		0.00108	0.00540	1	09/07/2017 02:33	WG1017429
n-Propylbenzene	U		0.000223	0.00108	1	09/07/2017 02:33	WG1017429
Styrene	U		0.000253	0.00108	1	09/07/2017 02:33	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000285	0.00108	1	09/07/2017 02:33	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	09/07/2017 02:33	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	09/07/2017 02:33	WG1017429
Tetrachloroethene	U		0.000298	0.00108	1	09/07/2017 02:33	WG1017429
Toluene	U		0.000469	0.00540	1	09/07/2017 02:33	WG1017429
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	09/07/2017 02:33	WG1017429
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	09/07/2017 02:33	WG1017429
1,1,1-Trichloroethane	U		0.000309	0.00108	1	09/07/2017 02:33	WG1017429
1,1,2-Trichloroethane	U		0.000299	0.00108	1	09/07/2017 02:33	WG1017429
Trichloroethene	U		0.000302	0.00108	1	09/07/2017 02:33	WG1017429
Trichlorofluoromethane	U		0.000413	0.00540	1	09/07/2017 02:33	WG1017429
1,2,3-Trichloropropane	U		0.000801	0.00270	1	09/07/2017 02:33	WG1017429
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	09/07/2017 02:33	WG1017429
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	09/07/2017 02:33	WG1017429
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/07/2017 02:33	WG1017429
Vinyl acetate	U		0.00258	0.0108	1	09/07/2017 02:33	WG1017429
Vinyl chloride	U		0.000315	0.00108	1	09/07/2017 02:33	WG1017429
Xylenes, Total	U		0.000754	0.00324	1	09/07/2017 02:33	WG1017429
(S) Toluene-d8	*98.7*			*80.0-120*		*09/07/2017 02:33*	WG1017429
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/07/2017 02:33*	WG1017429
(S) 4-Bromofluorobenzene	*99.4*			*64.0-132*		*09/07/2017 02:33*	WG1017429

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.7		1	09/08/2017 15:56	WG1018229

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		0.0415	0.122	1	09/10/2017 04:32	WG1018662
(S) a,a,a-Trifluorotoluene(FID)	*95.5*			*77.0-120*		*09/10/2017 04:32*	WG1018662

Volatile Organic Compounds (GC/MS) 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	0.0612	1	09/07/2017 02:55	WG1017429	
Acrylonitrile	U		0.00219	0.0122	1	09/07/2017 02:55	WG1017429	
Benzene	U		0.000330	0.00122	1	09/07/2017 02:55	WG1017429	
Bromobenzene	U		0.000347	0.00122	1	09/07/2017 02:55	WG1017429	
Bromodichloromethane	U		0.000311	0.00122	1	09/07/2017 02:55	WG1017429	
Bromochloromethane	U		0.000477	0.00612	1	09/07/2017 02:55	WG1017429	
Bromoform	U		0.000519	0.00122	1	09/07/2017 02:55	WG1017429	
Bromomethane	U		0.00164	0.00612	1	09/07/2017 02:55	WG1017429	
n-Butylbenzene	U		0.000316	0.00122	1	09/07/2017 02:55	WG1017429	
sec-Butylbenzene	U		0.000246	0.00122	1	09/07/2017 02:55	WG1017429	
tert-Butylbenzene	U		0.000252	0.00122	1	09/07/2017 02:55	WG1017429	
Carbon disulfide	U		0.000270	0.00122	1	09/07/2017 02:55	WG1017429	
Carbon tetrachloride	U		0.000401	0.00122	1	09/07/2017 02:55	WG1017429	
Chlorobenzene	U		0.000259	0.00122	1	09/07/2017 02:55	WG1017429	
Chlorodibromomethane	U		0.000456	0.00122	1	09/07/2017 02:55	WG1017429	
Chloroethane	U		0.00116	0.00612	1	09/07/2017 02:55	WG1017429	
Chloroform	U		0.000280	0.00612	1	09/07/2017 02:55	WG1017429	
Chloromethane	U		0.000459	0.00306	1	09/07/2017 02:55	WG1017429	
2-Chlorotoluene	U		0.000368	0.00122	1	09/07/2017 02:55	WG1017429	
4-Chlorotoluene	U		0.000294	0.00122	1	09/07/2017 02:55	WG1017429	
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00612	1	09/07/2017 02:55	WG1017429	
1,2-Dibromoethane	U		0.000420	0.00122	1	09/07/2017 02:55	WG1017429	
Dibromomethane	U		0.000467	0.00122	1	09/07/2017 02:55	WG1017429	
1,2-Dichlorobenzene	U		0.000373	0.00122	1	09/07/2017 02:55	WG1017429	
1,3-Dichlorobenzene	U		0.000292	0.00122	1	09/07/2017 02:55	WG1017429	
1,4-Dichlorobenzene	U		0.000276	0.00122	1	09/07/2017 02:55	WG1017429	
Dichlorodifluoromethane	U		0.000872	0.00612	1	09/07/2017 02:55	WG1017429	
1,1-Dichloroethane	U		0.000243	0.00122	1	09/07/2017 02:55	WG1017429	
1,2-Dichloroethane	U		0.000324	0.00122	1	09/07/2017 02:55	WG1017429	
1,1-Dichloroethene	U		0.000371	0.00122	1	09/07/2017 02:55	WG1017429	
cis-1,2-Dichloroethene	U		0.000287	0.00122	1	09/07/2017 02:55	WG1017429	
trans-1,2-Dichloroethene	U		0.000323	0.00122	1	09/07/2017 02:55	WG1017429	
1,2-Dichloropropane	U		0.000438	0.00122	1	09/07/2017 02:55	WG1017429	
1,1-Dichloropropene	U		0.000388	0.00122	1	09/07/2017 02:55	WG1017429	
1,3-Dichloropropane	U		0.000253	0.00122	1	09/07/2017 02:55	WG1017429	
cis-1,3-Dichloropropene	U		0.000321	0.00122	1	09/07/2017 02:55	WG1017429	
trans-1,3-Dichloropropene	U		0.000327	0.00122	1	09/07/2017 02:55	WG1017429	
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000952	0.00306	1	09/07/2017 02:55	WG1017429	
2,2-Dichloropropane	U		0.000341	0.00122	1	09/07/2017 02:55	WG1017429	
Di-isopropyl ether	U		0.000303	0.00122	1	09/07/2017 02:55	WG1017429	
Ethylbenzene	U		0.000363	0.00122	1	09/07/2017 02:55	WG1017429	
Hexachloro-1,3-butadiene	U		0.000418	0.00122	1	09/07/2017 02:55	WG1017429	
2-Hexanone	U		0.00168	0.0122	1	09/07/2017 02:55	WG1017429	
n-Hexane	U		0.000355	0.0122	1	09/07/2017 02:55	WG1017429	JC 10/12/17

Volatile Organic Compounds (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		0.00310	0.0122	1	09/07/2017 02:55	WG1017429
Isopropylbenzene	U		0.000297	0.00122	1	09/07/2017 02:55	WG1017429
p-Isopropyltoluene	U		0.000250	0.00122	1	09/07/2017 02:55	WG1017429
2-Butanone (MEK)	U		0.00573	0.0122	1	09/07/2017 02:55	WG1017429
Methylene Chloride	U		0.00122	0.00612	1	09/07/2017 02:55	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00230	0.0122	1	09/07/2017 02:55	WG1017429
Methyl tert-butyl ether	U		0.000259	0.00122	1	09/07/2017 02:55	WG1017429
Naphthalene	U		0.00122	0.00612	1	09/07/2017 02:55	WG1017429
n-Propylbenzene	U		0.000252	0.00122	1	09/07/2017 02:55	WG1017429
Styrene	U		0.000286	0.00122	1	09/07/2017 02:55	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000323	0.00122	1	09/07/2017 02:55	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000447	0.00122	1	09/07/2017 02:55	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000447	0.00122	1	09/07/2017 02:55	WG1017429
Tetrachloroethene	U		0.000338	0.00122	1	09/07/2017 02:55	WG1017429
Toluene	U		0.000531	0.00612	1	09/07/2017 02:55	WG1017429
1,2,3-Trichlorobenzene	U		0.000374	0.00122	1	09/07/2017 02:55	WG1017429
1,2,4-Trichlorobenzene	U		0.000475	0.00122	1	09/07/2017 02:55	WG1017429
1,1,1-Trichloroethane	U		0.000350	0.00122	1	09/07/2017 02:55	WG1017429
1,1,2-Trichloroethane	U		0.000339	0.00122	1	09/07/2017 02:55	WG1017429
Trichloroethene	U		0.000341	0.00122	1	09/07/2017 02:55	WG1017429
Trichlorofluoromethane	U		0.000467	0.00612	1	09/07/2017 02:55	WG1017429
1,2,3-Trichloropropane	U		0.000907	0.00306	1	09/07/2017 02:55	WG1017429
1,2,4-Trimethylbenzene	U		0.000258	0.00122	1	09/07/2017 02:55	WG1017429
1,2,3-Trimethylbenzene	U		0.000351	0.00122	1	09/07/2017 02:55	WG1017429
1,3,5-Trimethylbenzene	U		0.000325	0.00122	1	09/07/2017 02:55	WG1017429
Vinyl acetate	U		0.00292	0.0122	1	09/07/2017 02:55	WG1017429
Vinyl chloride	U		0.000356	0.00122	1	09/07/2017 02:55	WG1017429
Xylenes, Total	U		0.000854	0.00367	1	09/07/2017 02:55	WG1017429
(S) Toluene-d8	*101*			*80.0-120*		*09/07/2017 02:55*	WG1017429
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/07/2017 02:55*	WG1017429
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*09/07/2017 02:55*	WG1017429

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	09/08/2017 15:56	WG1018229

Volatile Organic Compounds (GC/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	J	0.0120	0.0600	1	09/07/2017 17:50	WG1017429
Acrylonitrile	U		0.00215	0.0120	1	09/07/2017 17:50	WG1017429
Benzene	U		0.000324	0.00120	1	09/07/2017 17:50	WG1017429
Bromobenzene	U		0.000341	0.00120	1	09/07/2017 17:50	WG1017429
Bromodichloromethane	U		0.000305	0.00120	1	09/07/2017 17:50	WG1017429
Bromochloromethane	U		0.000468	0.00600	1	09/07/2017 17:50	WG1017429
Bromoform	U		0.000509	0.00120	1	09/07/2017 17:50	WG1017429
Bromomethane	U		0.00161	0.00600	1	09/07/2017 17:50	WG1017429
n-Butylbenzene	U		0.000310	0.00120	1	09/07/2017 17:50	WG1017429
sec-Butylbenzene	U		0.000241	0.00120	1	09/07/2017 17:50	WG1017429
tert-Butylbenzene	U		0.000247	0.00120	1	09/07/2017 17:50	WG1017429
Carbon disulfide	0.000664 J	J	0.000265	0.00120	1	09/07/2017 17:50	WG1017429
Carbon tetrachloride	U		0.000394	0.00120	1	09/07/2017 17:50	WG1017429
Chlorobenzene	U		0.000254	0.00120	1	09/07/2017 17:50	WG1017429
Chlorodibromomethane	U		0.000448	0.00120	1	09/07/2017 17:50	WG1017429
Chloroethane	U		0.00114	0.00600	1	09/07/2017 17:50	WG1017429
Chloroform	U		0.000275	0.00600	1	09/07/2017 17:50	WG1017429
Chloromethane	U		0.000450	0.00300	1	09/07/2017 17:50	WG1017429
2-Chlorotoluene	U		0.000361	0.00120	1	09/07/2017 17:50	WG1017429
4-Chlorotoluene	U		0.000288	0.00120	1	09/07/2017 17:50	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00600	1	09/07/2017 17:50	WG1017429
1,2-Dibromoethane	U		0.000412	0.00120	1	09/07/2017 17:50	WG1017429
Dibromomethane	U		0.000459	0.00120	1	09/07/2017 17:50	WG1017429
1,2-Dichlorobenzene	U		0.000366	0.00120	1	09/07/2017 17:50	WG1017429
1,3-Dichlorobenzene	U		0.000287	0.00120	1	09/07/2017 17:50	WG1017429
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/07/2017 17:50	WG1017429
Dichlorodifluoromethane	U		0.000856	0.00600	1	09/07/2017 17:50	WG1017429
1,1-Dichloroethane	U		0.000239	0.00120	1	09/07/2017 17:50	WG1017429
1,2-Dichloroethane	U		0.000318	0.00120	1	09/07/2017 17:50	WG1017429
1,1-Dichloroethene	U		0.000364	0.00120	1	09/07/2017 17:50	WG1017429
cis-1,2-Dichloroethene	U		0.000282	0.00120	1	09/07/2017 17:50	WG1017429
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	09/07/2017 17:50	WG1017429
1,2-Dichloropropane	U		0.000430	0.00120	1	09/07/2017 17:50	WG1017429
1,1-Dichloropropene	U		0.000381	0.00120	1	09/07/2017 17:50	WG1017429
1,3-Dichloropropane	U		0.000248	0.00120	1	09/07/2017 17:50	WG1017429
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	09/07/2017 17:50	WG1017429
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	09/07/2017 17:50	WG1017429
trans-1,4-Dichloro-2-butene	U		0.000934	0.00300	1	09/07/2017 17:50	WG1017429
2,2-Dichloropropane	U		0.000335	0.00120	1	09/07/2017 17:50	WG1017429
Di-isopropyl ether	U		0.000298	0.00120	1	09/07/2017 17:50	WG1017429
Ethylbenzene	U		0.000357	0.00120	1	09/07/2017 17:50	WG1017429
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	09/07/2017 17:50	WG1017429
2-Hexanone	U		0.00164	0.0120	1	09/07/2017 17:50	WG1017429
n-Hexane	0.00129 J	J	0.000348	0.0120	1	09/07/2017 17:50	WG1017429
Iodomethane	U		0.00304	0.0120	1	09/07/2017 17:50	WG1017429
Isopropylbenzene	U		0.000292	0.00120	1	09/07/2017 17:50	WG1017429
p-Isopropyltoluene	U		0.000245	0.00120	1	09/07/2017 17:50	WG1017429
2-Butanone (MEK)	U		0.00562	0.0120	1	09/07/2017 17:50	WG1017429
Methylene Chloride	U		0.00120	0.00600	1	09/07/2017 17:50	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	09/07/2017 17:50	WG1017429

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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		0.000254	0.00120	1	09/07/2017 17:50	WG1017429
Naphthalene	U		0.00120	0.00600	1	09/07/2017 17:50	WG1017429
n-Propylbenzene	U		0.000247	0.00120	1	09/07/2017 17:50	WG1017429
Styrene	U		0.000281	0.00120	1	09/07/2017 17:50	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	09/07/2017 17:50	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000438	0.00120	1	09/07/2017 17:50	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00120	1	09/07/2017 17:50	WG1017429
Tetrachloroethene	U		0.000331	0.00120	1	09/07/2017 17:50	WG1017429
Toluene	U		0.000521	0.00600	1	09/07/2017 17:50	WG1017429
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	09/07/2017 17:50	WG1017429
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	09/07/2017 17:50	WG1017429
1,1,1-Trichloroethane	U		0.000343	0.00120	1	09/07/2017 17:50	WG1017429
1,1,2-Trichloroethane	U		0.000333	0.00120	1	09/07/2017 17:50	WG1017429
Trichloroethene	U		0.000335	0.00120	1	09/07/2017 17:50	WG1017429
Trichlorofluoromethane	U		0.000459	0.00600	1	09/07/2017 17:50	WG1017429
1,2,3-Trichloropropane	U		0.000890	0.00300	1	09/07/2017 17:50	WG1017429
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/07/2017 17:50	WG1017429
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	09/07/2017 17:50	WG1017429
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	09/07/2017 17:50	WG1017429
Vinyl acetate	U		0.00287	0.0120	1	09/07/2017 17:50	WG1017429
Vinyl chloride	U		0.000349	0.00120	1	09/07/2017 17:50	WG1017429
Xylenes, Total	U		0.000838	0.00360	1	09/07/2017 17:50	WG1017429
(S) Toluene-d8	*95.7*			*80.0-120*		*09/07/2017 17:50*	WG1017429
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/07/2017 17:50*	WG1017429
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/07/2017 17:50*	WG1017429

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	09/08/2017 15:56	WG1018229

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0386 J	J	0.0113	0.0563	1	09/07/2017 03:17	WG1017429	
Acrylonitrile	U		0.00202	0.0113	1	09/07/2017 03:17	WG1017429	
Benzene	0.0221		0.000304	0.00113	1	09/07/2017 03:17	WG1017429	
Bromobenzene	U		0.000320	0.00113	1	09/07/2017 03:17	WG1017429	
Bromodichloromethane	U		0.000286	0.00113	1	09/07/2017 03:17	WG1017429	
Bromochloromethane	U		0.000439	0.00563	1	09/07/2017 03:17	WG1017429	
Bromoform	U		0.000477	0.00113	1	09/07/2017 03:17	WG1017429	
Bromomethane	U		0.00151	0.00563	1	09/07/2017 03:17	WG1017429	
n-Butylbenzene	0.00318		0.000290	0.00113	1	09/07/2017 03:17	WG1017429	
sec-Butylbenzene	0.000274 J	J	0.000226	0.00113	1	09/07/2017 03:17	WG1017429	
tert-Butylbenzene	U		0.000232	0.00113	1	09/07/2017 03:17	WG1017429	
Carbon disulfide	0.00288		0.000249	0.00113	1	09/07/2017 03:17	WG1017429	
Carbon tetrachloride	U		0.000369	0.00113	1	09/07/2017 03:17	WG1017429	
Chlorobenzene	U		0.000239	0.00113	1	09/07/2017 03:17	WG1017429	
Chlorodibromomethane	U		0.000420	0.00113	1	09/07/2017 03:17	WG1017429	
Chloroethane	U		0.00107	0.00563	1	09/07/2017 03:17	WG1017429	
Chloroform	U		0.000258	0.00563	1	09/07/2017 03:17	WG1017429	
Chloromethane	U		0.000422	0.00281	1	09/07/2017 03:17	WG1017429	
2-Chlorotoluene	U		0.000339	0.00113	1	09/07/2017 03:17	WG1017429	
4-Chlorotoluene	U		0.000270	0.00113	1	09/07/2017 03:17	WG1017429	
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00563	1	09/07/2017 03:17	WG1017429	
1,2-Dibromoethane	U		0.000386	0.00113	1	09/07/2017 03:17	WG1017429	
Dibromomethane	U		0.000430	0.00113	1	09/07/2017 03:17	WG1017429	
1,2-Dichlorobenzene	U		0.000343	0.00113	1	09/07/2017 03:17	WG1017429	
1,3-Dichlorobenzene	U		0.000269	0.00113	1	09/07/2017 03:17	WG1017429	
1,4-Dichlorobenzene	U		0.000254	0.00113	1	09/07/2017 03:17	WG1017429	
Dichlorodifluoromethane	U		0.000803	0.00563	1	09/07/2017 03:17	WG1017429	
1,1-Dichloroethane	U		0.000224	0.00113	1	09/07/2017 03:17	WG1017429	
1,2-Dichloroethane	U		0.000298	0.00113	1	09/07/2017 03:17	WG1017429	
1,1-Dichloroethene	0.000509 J	J	0.000341	0.00113	1	09/07/2017 03:17	WG1017429	
cis-1,2-Dichloroethene	0.182		0.000265	0.00113	1	09/07/2017 03:17	WG1017429	
trans-1,2-Dichloroethene	0.00356		0.000297	0.00113	1	09/07/2017 03:17	WG1017429	
1,2-Dichloropropane	U		0.000403	0.00113	1	09/07/2017 03:17	WG1017429	
1,1-Dichloropropene	U		0.000357	0.00113	1	09/07/2017 03:17	WG1017429	
1,3-Dichloropropane	U		0.000233	0.00113	1	09/07/2017 03:17	WG1017429	
cis-1,3-Dichloropropene	U		0.000295	0.00113	1	09/07/2017 03:17	WG1017429	
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	09/07/2017 03:17	WG1017429	
trans-1,4-Dichloro-2-butene	U UJ	JO	0.000876	0.00281	1	09/07/2017 03:17	WG1017429	
2,2-Dichloropropane	U		0.000314	0.00113	1	09/07/2017 03:17	WG1017429	
Di-isopropyl ether	U		0.000279	0.00113	1	09/07/2017 03:17	WG1017429	
Ethylbenzene	0.00876		0.000334	0.00113	1	09/07/2017 03:17	WG1017429	
Hexachloro-1,3-butadiene	U		0.000385	0.00113	1	09/07/2017 03:17	WG1017429	
2-Hexanone	0.00727 J	J	0.00154	0.0113	1	09/07/2017 03:17	WG1017429	
n-Hexane	0.0368		0.000327	0.0113	1	09/07/2017 03:17	WG1017429	
Iodomethane	U		0.00285	0.0113	1	09/07/2017 03:17	WG1017429	
Isopropylbenzene	0.000650 J	J	0.000274	0.00113	1	09/07/2017 03:17	WG1017429	
p-Isopropyltoluene	U		0.000230	0.00113	1	09/07/2017 03:17	WG1017429	JC 10/12/17
2-Butanone (MEK)	0.0293		0.00527	0.0113	1	09/07/2017 03:17	WG1017429	
Methylene Chloride	U		0.00113	0.00563	1	09/07/2017 03:17	WG1017429	
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	09/07/2017 03:17	WG1017429	

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

Analyte	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	09/07/2017 03:17	WG1017429
Naphthalene	0.00226 J	J	0.00113	0.00563	1	09/07/2017 03:17	WG1017429
n-Propylbenzene	0.00407		0.000232	0.00113	1	09/07/2017 03:17	WG1017429
Styrene	0.000676 J	J	0.000263	0.00113	1	09/07/2017 03:17	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000297	0.00113	1	09/07/2017 03:17	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000411	0.00113	1	09/07/2017 03:17	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00113	1	09/07/2017 03:17	WG1017429
Tetrachloroethene	0.0139		0.000311	0.00113	1	09/07/2017 03:17	WG1017429
Toluene	0.0228		0.000489	0.00563	1	09/07/2017 03:17	WG1017429
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	09/07/2017 03:17	WG1017429
1,2,4-Trichlorobenzene	U		0.000437	0.00113	1	09/07/2017 03:17	WG1017429
1,1,1-Trichloroethane	U		0.000322	0.00113	1	09/07/2017 03:17	WG1017429
1,1,2-Trichloroethane	U		0.000312	0.00113	1	09/07/2017 03:17	WG1017429
Trichloroethene	0.00182		0.000314	0.00113	1	09/07/2017 03:17	WG1017429
Trichlorofluoromethane	U		0.000430	0.00563	1	09/07/2017 03:17	WG1017429
1,2,3-Trichloropropane	U		0.000834	0.00281	1	09/07/2017 03:17	WG1017429
1,2,4-Trimethylbenzene	0.00330		0.000238	0.00113	1	09/07/2017 03:17	WG1017429
1,2,3-Trimethylbenzene	0.00117		0.000323	0.00113	1	09/07/2017 03:17	WG1017429
1,3,5-Trimethylbenzene	0.000732 J	J	0.000299	0.00113	1	09/07/2017 03:17	WG1017429
Vinyl acetate	U		0.00269	0.0113	1	09/07/2017 03:17	WG1017429
Vinyl chloride	0.00113		0.000328	0.00113	1	09/07/2017 03:17	WG1017429
Xylenes, Total	0.0189		0.000786	0.00338	1	09/07/2017 03:17	WG1017429
(S) Toluene-d8	*92.5*			*80.0-120*		*09/07/2017 03:17*	WG1017429
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/07/2017 03:17*	WG1017429
(S) 4-Bromofluorobenzene	*99.7*			*64.0-132*		*09/07/2017 03:17*	WG1017429

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	09/08/2017 15:56	WG1018229

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0220 J	J	0.0121	0.0603	1	09/07/2017 03:39	WG1017429
Acrylonitrile	U		0.00216	0.0121	1	09/07/2017 03:39	WG1017429
Benzene	0.000541 J	J	0.000326	0.00121	1	09/07/2017 03:39	WG1017429
Bromobenzene	U		0.000343	0.00121	1	09/07/2017 03:39	WG1017429
Bromodichloromethane	U		0.000306	0.00121	1	09/07/2017 03:39	WG1017429
Bromochloromethane	U		0.000470	0.00603	1	09/07/2017 03:39	WG1017429
Bromoform	U		0.000511	0.00121	1	09/07/2017 03:39	WG1017429
Bromomethane	U		0.00162	0.00603	1	09/07/2017 03:39	WG1017429
n-Butylbenzene	U		0.000311	0.00121	1	09/07/2017 03:39	WG1017429
sec-Butylbenzene	U		0.000242	0.00121	1	09/07/2017 03:39	WG1017429
tert-Butylbenzene	U		0.000248	0.00121	1	09/07/2017 03:39	WG1017429
Carbon disulfide	0.00382		0.000267	0.00121	1	09/07/2017 03:39	WG1017429
Carbon tetrachloride	U		0.000396	0.00121	1	09/07/2017 03:39	WG1017429
Chlorobenzene	U		0.000256	0.00121	1	09/07/2017 03:39	WG1017429
Chlorodibromomethane	U		0.000450	0.00121	1	09/07/2017 03:39	WG1017429
Chloroethane	U		0.00114	0.00603	1	09/07/2017 03:39	WG1017429
Chloroform	U		0.000276	0.00603	1	09/07/2017 03:39	WG1017429
Chloromethane	U		0.000452	0.00302	1	09/07/2017 03:39	WG1017429
2-Chlorotoluene	U		0.000363	0.00121	1	09/07/2017 03:39	WG1017429
4-Chlorotoluene	U		0.000289	0.00121	1	09/07/2017 03:39	WG1017429
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00603	1	09/07/2017 03:39	WG1017429
1,2-Dibromoethane	U		0.000414	0.00121	1	09/07/2017 03:39	WG1017429
Dibromomethane	U		0.000461	0.00121	1	09/07/2017 03:39	WG1017429
1,2-Dichlorobenzene	U		0.000368	0.00121	1	09/07/2017 03:39	WG1017429
1,3-Dichlorobenzene	U		0.000288	0.00121	1	09/07/2017 03:39	WG1017429
1,4-Dichlorobenzene	U		0.000273	0.00121	1	09/07/2017 03:39	WG1017429
Dichlorodifluoromethane	U		0.000860	0.00603	1	09/07/2017 03:39	WG1017429
1,1-Dichloroethane	U		0.000240	0.00121	1	09/07/2017 03:39	WG1017429
1,2-Dichloroethane	U		0.000320	0.00121	1	09/07/2017 03:39	WG1017429
1,1-Dichloroethene	U		0.000365	0.00121	1	09/07/2017 03:39	WG1017429
cis-1,2-Dichloroethene	0.000289 J	J	0.000283	0.00121	1	09/07/2017 03:39	WG1017429
trans-1,2-Dichloroethene	U		0.000318	0.00121	1	09/07/2017 03:39	WG1017429
1,2-Dichloropropane	U		0.000432	0.00121	1	09/07/2017 03:39	WG1017429
1,1-Dichloropropene	U		0.000382	0.00121	1	09/07/2017 03:39	WG1017429
1,3-Dichloropropane	U		0.000250	0.00121	1	09/07/2017 03:39	WG1017429
cis-1,3-Dichloropropene	U		0.000316	0.00121	1	09/07/2017 03:39	WG1017429
trans-1,3-Dichloropropene	U		0.000322	0.00121	1	09/07/2017 03:39	WG1017429
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000938	0.00302	1	09/07/2017 03:39	WG1017429
2,2-Dichloropropane	U		0.000336	0.00121	1	09/07/2017 03:39	WG1017429
Di-isopropyl ether	U		0.000299	0.00121	1	09/07/2017 03:39	WG1017429
Ethylbenzene	U		0.000358	0.00121	1	09/07/2017 03:39	WG1017429
Hexachloro-1,3-butadiene	U		0.000412	0.00121	1	09/07/2017 03:39	WG1017429
2-Hexanone	U		0.00165	0.0121	1	09/07/2017 03:39	WG1017429
n-Hexane	0.00652 J	J	0.000350	0.0121	1	09/07/2017 03:39	WG1017429
Iodomethane	U		0.00305	0.0121	1	09/07/2017 03:39	WG1017429
Isopropylbenzene	U		0.000293	0.00121	1	09/07/2017 03:39	WG1017429
p-Isopropyltoluene	U		0.000246	0.00121	1	09/07/2017 03:39	WG1017429
2-Butanone (MEK)	0.0107 J	J	0.00564	0.0121	1	09/07/2017 03:39	WG1017429
Methylene Chloride	U		0.00121	0.00603	1	09/07/2017 03:39	WG1017429
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	09/07/2017 03:39	WG1017429

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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		0.000256	0.00121	1	09/07/2017 03:39	WG1017429
Naphthalene	U		0.00121	0.00603	1	09/07/2017 03:39	WG1017429
n-Propylbenzene	U		0.000248	0.00121	1	09/07/2017 03:39	WG1017429
Styrene	U		0.000282	0.00121	1	09/07/2017 03:39	WG1017429
1,1,1,2-Tetrachloroethane	U		0.000318	0.00121	1	09/07/2017 03:39	WG1017429
1,1,2,2-Tetrachloroethane	U		0.000440	0.00121	1	09/07/2017 03:39	WG1017429
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00121	1	09/07/2017 03:39	WG1017429
Tetrachloroethene	U		0.000333	0.00121	1	09/07/2017 03:39	WG1017429
Toluene	0.000655	J J	0.000523	0.00603	1	09/07/2017 03:39	WG1017429
1,2,3-Trichlorobenzene	U		0.000369	0.00121	1	09/07/2017 03:39	WG1017429
1,2,4-Trichlorobenzene	U		0.000468	0.00121	1	09/07/2017 03:39	WG1017429
1,1,1-Trichloroethane	U		0.000345	0.00121	1	09/07/2017 03:39	WG1017429
1,1,2-Trichloroethane	U		0.000334	0.00121	1	09/07/2017 03:39	WG1017429
Trichloroethene	U		0.000336	0.00121	1	09/07/2017 03:39	WG1017429
Trichlorofluoromethane	U		0.000461	0.00603	1	09/07/2017 03:39	WG1017429
1,2,3-Trichloropropane	U		0.000894	0.00302	1	09/07/2017 03:39	WG1017429
1,2,4-Trimethylbenzene	U		0.000254	0.00121	1	09/07/2017 03:39	WG1017429
1,2,3-Trimethylbenzene	U		0.000346	0.00121	1	09/07/2017 03:39	WG1017429
1,3,5-Trimethylbenzene	U		0.000321	0.00121	1	09/07/2017 03:39	WG1017429
Vinyl acetate	U		0.00288	0.0121	1	09/07/2017 03:39	WG1017429
Vinyl chloride	U		0.000351	0.00121	1	09/07/2017 03:39	WG1017429
Xylenes, Total	U		0.000842	0.00362	1	09/07/2017 03:39	WG1017429
(S) Toluene-d8	*98.7*			*80.0-120*		*09/07/2017 03:39*	WG1017429
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/07/2017 03:39*	WG1017429
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/07/2017 03:39*	WG1017429

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	09/08/2017 15:56	WG1018229

Volatile Organic Compounds (GC/MS) 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 J3	0.0114	0.0568	1	09/07/2017 00:42	WG1017434
Acrylonitrile	U UJ	J0	0.00203	0.0114	1	09/07/2017 00:42	WG1017434
Benzene	U		0.000307	0.00114	1	09/07/2017 00:42	WG1017434
Bromobenzene	U		0.000323	0.00114	1	09/07/2017 00:42	WG1017434
Bromodichloromethane	U		0.000289	0.00114	1	09/07/2017 00:42	WG1017434
Bromochloromethane	U		0.000443	0.00568	1	09/07/2017 00:42	WG1017434
Bromoform	U		0.000482	0.00114	1	09/07/2017 00:42	WG1017434
Bromomethane	U		0.00152	0.00568	1	09/07/2017 00:42	WG1017434
n-Butylbenzene	U		0.000293	0.00114	1	09/07/2017 00:42	WG1017434
sec-Butylbenzene	U		0.000228	0.00114	1	09/07/2017 00:42	WG1017434
tert-Butylbenzene	U		0.000234	0.00114	1	09/07/2017 00:42	WG1017434
Carbon disulfide	U		0.000251	0.00114	1	09/07/2017 00:42	WG1017434
Carbon tetrachloride	U		0.000373	0.00114	1	09/07/2017 00:42	WG1017434
Chlorobenzene	U		0.000241	0.00114	1	09/07/2017 00:42	WG1017434
Chlorodibromomethane	U		0.000424	0.00114	1	09/07/2017 00:42	WG1017434
Chloroethane	U		0.00107	0.00568	1	09/07/2017 00:42	WG1017434
Chloroform	U		0.000260	0.00568	1	09/07/2017 00:42	WG1017434
Chloromethane	U UJ	J0	0.000426	0.00284	1	09/07/2017 00:42	WG1017434
2-Chlorotoluene	U		0.000342	0.00114	1	09/07/2017 00:42	WG1017434
4-Chlorotoluene	U		0.000273	0.00114	1	09/07/2017 00:42	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	09/07/2017 00:42	WG1017434
1,2-Dibromoethane	U		0.000390	0.00114	1	09/07/2017 00:42	WG1017434
Dibromomethane	U		0.000434	0.00114	1	09/07/2017 00:42	WG1017434
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/07/2017 00:42	WG1017434
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/07/2017 00:42	WG1017434
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/07/2017 00:42	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000810	0.00568	1	09/07/2017 00:42	WG1017434
1,1-Dichloroethane	U		0.000226	0.00114	1	09/07/2017 00:42	WG1017434
1,2-Dichloroethane	U		0.000301	0.00114	1	09/07/2017 00:42	WG1017434
1,1-Dichloroethene	U		0.000344	0.00114	1	09/07/2017 00:42	WG1017434
cis-1,2-Dichloroethene	U		0.000267	0.00114	1	09/07/2017 00:42	WG1017434
trans-1,2-Dichloroethene	U		0.000300	0.00114	1	09/07/2017 00:42	WG1017434
1,2-Dichloropropane	U		0.000407	0.00114	1	09/07/2017 00:42	WG1017434
1,1-Dichloropropene	U		0.000360	0.00114	1	09/07/2017 00:42	WG1017434
1,3-Dichloropropane	U		0.000235	0.00114	1	09/07/2017 00:42	WG1017434
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/07/2017 00:42	WG1017434
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	09/07/2017 00:42	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000884	0.00284	1	09/07/2017 00:42	WG1017434
2,2-Dichloropropane	U		0.000317	0.00114	1	09/07/2017 00:42	WG1017434
Di-isopropyl ether	U		0.000282	0.00114	1	09/07/2017 00:42	WG1017434
Ethylbenzene	U		0.000337	0.00114	1	09/07/2017 00:42	WG1017434
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	09/07/2017 00:42	WG1017434
2-Hexanone	U UJ	J0	0.00156	0.0114	1	09/07/2017 00:42	WG1017434
n-Hexane	0.00113 J	J J0	0.000329	0.0114	1	09/07/2017 00:42	WG1017434
Iodomethane	U		0.00287	0.0114	1	09/07/2017 00:42	WG1017434
Isopropylbenzene	U		0.000276	0.00114	1	09/07/2017 00:42	WG1017434
p-Isopropyltoluene	U		0.000232	0.00114	1	09/07/2017 00:42	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00532	0.0114	1	09/07/2017 00:42	WG1017434
Methylene Chloride	U		0.00114	0.00568	1	09/07/2017 00:42	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00214	0.0114	1	09/07/2017 00:42	WG1017434

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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	09/07/2017 00:42	WG1017434
Naphthalene	U		0.00114	0.00568	1	09/07/2017 00:42	WG1017434
n-Propylbenzene	U		0.000234	0.00114	1	09/07/2017 00:42	WG1017434
Styrene	U		0.000266	0.00114	1	09/07/2017 00:42	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	09/07/2017 00:42	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	09/07/2017 00:42	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	09/07/2017 00:42	WG1017434
Tetrachloroethene	U		0.000314	0.00114	1	09/07/2017 00:42	WG1017434
Toluene	U		0.000493	0.00568	1	09/07/2017 00:42	WG1017434
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	09/07/2017 00:42	WG1017434
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	09/07/2017 00:42	WG1017434
1,1,1-Trichloroethane	U		0.000325	0.00114	1	09/07/2017 00:42	WG1017434
1,1,2-Trichloroethane	U		0.000315	0.00114	1	09/07/2017 00:42	WG1017434
Trichloroethene	U		0.000317	0.00114	1	09/07/2017 00:42	WG1017434
Trichlorofluoromethane	U		0.000434	0.00568	1	09/07/2017 00:42	WG1017434
1,2,3-Trichloropropane	U		0.000842	0.00284	1	09/07/2017 00:42	WG1017434
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	09/07/2017 00:42	WG1017434
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	09/07/2017 00:42	WG1017434
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	09/07/2017 00:42	WG1017434
Vinyl acetate	U		0.00272	0.0114	1	09/07/2017 00:42	WG1017434
Vinyl chloride	U		0.000331	0.00114	1	09/07/2017 00:42	WG1017434
Xylenes, Total	U		0.000793	0.00341	1	09/07/2017 00:42	WG1017434
(S) Toluene-d8	*107*			*80.0-120*		*09/07/2017 00:42*	WG1017434
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/07/2017 00:42*	WG1017434
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/07/2017 00:42*	WG1017434

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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	09/06/2017 14:03	WG1017271
Acrylonitrile	U		0.873	5.00	1	09/06/2017 14:03	WG1017271
Benzene	U		0.0896	0.500	1	09/06/2017 14:03	WG1017271
Bromobenzene	U		0.133	0.500	1	09/06/2017 14:03	WG1017271
Bromodichloromethane	U		0.0800	0.500	1	09/06/2017 14:03	WG1017271
Bromochloromethane	U		0.145	0.500	1	09/06/2017 14:03	WG1017271
Bromoform	U		0.186	0.500	1	09/06/2017 14:03	WG1017271
Bromomethane	U		0.157	2.50	1	09/06/2017 14:03	WG1017271
n-Butylbenzene	U		0.143	0.500	1	09/06/2017 14:03	WG1017271
sec-Butylbenzene	U		0.134	0.500	1	09/06/2017 14:03	WG1017271
tert-Butylbenzene	U		0.183	0.500	1	09/06/2017 14:03	WG1017271
Carbon disulfide	U		0.101	0.500	1	09/06/2017 14:03	WG1017271
Carbon tetrachloride	U		0.159	0.500	1	09/06/2017 14:03	WG1017271
Chlorobenzene	U		0.140	0.500	1	09/06/2017 14:03	WG1017271
Chlorodibromomethane	U		0.128	0.500	1	09/06/2017 14:03	WG1017271
Chloroethane	U		0.141	2.50	1	09/06/2017 14:03	WG1017271
Chloroform	U		0.0860	0.500	1	09/06/2017 14:03	WG1017271
Chloromethane	U		0.153	1.25	1	09/06/2017 14:03	WG1017271
2-Chlorotoluene	U		0.111	0.500	1	09/06/2017 14:03	WG1017271
4-Chlorotoluene	U		0.0972	0.500	1	09/06/2017 14:03	WG1017271
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/06/2017 14:03	WG1017271
1,2-Dibromoethane	U		0.193	0.500	1	09/06/2017 14:03	WG1017271
Dibromomethane	U		0.117	0.500	1	09/06/2017 14:03	WG1017271
1,2-Dichlorobenzene	U		0.101	0.500	1	09/06/2017 14:03	WG1017271
1,3-Dichlorobenzene	U		0.130	0.500	1	09/06/2017 14:03	WG1017271
1,4-Dichlorobenzene	U		0.121	0.500	1	09/06/2017 14:03	WG1017271
Dichlorodifluoromethane	U		0.127	2.50	1	09/06/2017 14:03	WG1017271
1,1-Dichloroethane	U		0.114	0.500	1	09/06/2017 14:03	WG1017271
1,2-Dichloroethane	U		0.108	0.500	1	09/06/2017 14:03	WG1017271
1,1-Dichloroethene	U		0.188	0.500	1	09/06/2017 14:03	WG1017271
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/06/2017 14:03	WG1017271
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/06/2017 14:03	WG1017271
1,2-Dichloropropane	U		0.190	0.500	1	09/06/2017 14:03	WG1017271
1,1-Dichloropropene	U		0.128	0.500	1	09/06/2017 14:03	WG1017271
1,3-Dichloropropane	U		0.147	1.00	1	09/06/2017 14:03	WG1017271
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/06/2017 14:03	WG1017271
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/06/2017 14:03	WG1017271
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/06/2017 14:03	WG1017271
2,2-Dichloropropane	U		0.0929	0.500	1	09/06/2017 14:03	WG1017271
Di-isopropyl ether	U		0.0924	0.500	1	09/06/2017 14:03	WG1017271
Ethylbenzene	U		0.158	0.500	1	09/06/2017 14:03	WG1017271
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/06/2017 14:03	WG1017271
2-Hexanone	U		0.757	5.00	1	09/06/2017 14:03	WG1017271
n-Hexane	U		0.305	5.00	1	09/06/2017 14:03	WG1017271
Iodomethane	U		0.377	10.0	1	09/06/2017 14:03	WG1017271
Isopropylbenzene	U		0.126	0.500	1	09/06/2017 14:03	WG1017271
p-Isopropyltoluene	U		0.138	0.500	1	09/06/2017 14:03	WG1017271
2-Butanone (MEK)	U		1.28	5.00	1	09/06/2017 14:03	WG1017271
Methylene Chloride	U		1.07	2.50	1	09/06/2017 14:03	WG1017271
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/06/2017 14:03	WG1017271
Methyl tert-butyl ether	U		0.102	0.500	1	09/06/2017 14:03	WG1017271
Naphthalene	U		0.174	2.50	1	09/06/2017 14:03	WG1017271
n-Propylbenzene	U		0.162	0.500	1	09/06/2017 14:03	WG1017271
Styrene	U		0.117	0.500	1	09/06/2017 14:03	WG1017271
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/06/2017 14:03	WG1017271
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/06/2017 14:03	WG1017271

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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	09/06/2017 14:03	WG1017271
Tetrachloroethene	U		0.199	0.500	1	09/06/2017 14:03	WG1017271
Toluene	U		0.412	0.500	1	09/06/2017 14:03	WG1017271
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/06/2017 14:03	WG1017271
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/06/2017 14:03	WG1017271
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/06/2017 14:03	WG1017271
1,1,2-Trichloroethane	U		0.186	0.500	1	09/06/2017 14:03	WG1017271
Trichloroethene	U		0.153	0.500	1	09/06/2017 14:03	WG1017271
Trichlorofluoromethane	U		0.130	2.50	1	09/06/2017 14:03	WG1017271
1,2,3-Trichloropropane	U		0.247	2.50	1	09/06/2017 14:03	WG1017271
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/06/2017 14:03	WG1017271
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/06/2017 14:03	WG1017271
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/06/2017 14:03	WG1017271
Vinyl acetate	U	UJ J0	0.645	5.00	1	09/06/2017 14:03	WG1017271
Vinyl chloride	U		0.118	0.500	1	09/06/2017 14:03	WG1017271
Xylenes, Total	U		0.316	1.50	1	09/06/2017 14:03	WG1017271
(S) Toluene-d8	*103*			*80.0-120*		*09/06/2017 14:03*	WG1017271
(S) Dibromofluoromethane	*105*			*76.0-123*		*09/06/2017 14:03*	WG1017271
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*09/06/2017 14:03*	WG1017271

JC 10/12/17

ANALYTICAL REPORT

September 13, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L934130
Samples Received:	09/06/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	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.

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B-213-15 L934130-01 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 10:50 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018605	1	09/11/17 09:49	09/11/17 09:58	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 10:50	09/07/17 01:02	JHH

B-213-21.5 L934130-02 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 11:20 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018605	1	09/11/17 09:49	09/11/17 09:58	MLW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 11:20	09/07/17 01:22	JHH

B-213-35 L934130-03 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 11:50 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018906	1	09/11/17 14:41	09/11/17 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 11:50	09/07/17 01:42	JHH

B-213-45 L934130-04 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 12:55 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018906	1	09/11/17 14:41	09/11/17 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 12:55	09/07/17 02:02	JHH

B-213-55 L934130-05 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 14:05 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018906	1	09/11/17 14:41	09/11/17 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 14:05	09/07/17 02:22	JHH

B-217-15 L934130-06 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 14:30 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018906	1	09/11/17 14:41	09/11/17 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 14:30	09/07/17 02:42	JHH

B-217-25 L934130-07 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 15:00 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018906	1	09/11/17 14:41	09/11/17 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 15:00	09/07/17 03:02	JHH

B-217-35 L934130-08 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 15:15 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018906	1	09/11/17 14:41	09/11/17 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 15:15	09/07/17 03:21	JHH

B-213-65 L934130-09 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 15:30 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018906	1	09/11/17 14:41	09/11/17 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 15:30	09/07/17 03:41	JHH

B-213-75 L934130-10 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 15:45 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018906	1	09/11/17 14:41	09/11/17 14:58	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 15:45	09/07/17 04:01	JHH

B-217-42 L934130-11 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 15:50 | Received date/time: 09/06/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1018910	1	09/12/17 10:08	09/12/17 10:20	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1	09/05/17 15:50	09/07/17 04:20	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1017434	1000	09/05/17 15:50	09/12/17 16:10	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	86.3		1	09/11/2017 09:58	WG1018605

Volatile Organic Compounds (GC/MS) 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 J3	0.0116	0.0579	1	09/07/2017 01:02	WG1017434
Acrylonitrile	U	J0	0.00207	0.0116	1	09/07/2017 01:02	WG1017434
Benzene	U		0.000313	0.00116	1	09/07/2017 01:02	WG1017434
Bromobenzene	U		0.000329	0.00116	1	09/07/2017 01:02	WG1017434
Bromodichloromethane	U		0.000294	0.00116	1	09/07/2017 01:02	WG1017434
Bromochloromethane	U		0.000452	0.00579	1	09/07/2017 01:02	WG1017434
Bromoform	U		0.000491	0.00116	1	09/07/2017 01:02	WG1017434
Bromomethane	U		0.00155	0.00579	1	09/07/2017 01:02	WG1017434
n-Butylbenzene	U		0.000299	0.00116	1	09/07/2017 01:02	WG1017434
sec-Butylbenzene	U		0.000233	0.00116	1	09/07/2017 01:02	WG1017434
tert-Butylbenzene	U		0.000239	0.00116	1	09/07/2017 01:02	WG1017434
Carbon disulfide	U		0.000256	0.00116	1	09/07/2017 01:02	WG1017434
Carbon tetrachloride	U		0.000380	0.00116	1	09/07/2017 01:02	WG1017434
Chlorobenzene	U		0.000246	0.00116	1	09/07/2017 01:02	WG1017434
Chlorodibromomethane	U		0.000432	0.00116	1	09/07/2017 01:02	WG1017434
Chloroethane	U		0.00110	0.00579	1	09/07/2017 01:02	WG1017434
Chloroform	U		0.000265	0.00579	1	09/07/2017 01:02	WG1017434
Chloromethane	U	J0	0.000435	0.00290	1	09/07/2017 01:02	WG1017434
2-Chlorotoluene	U		0.000349	0.00116	1	09/07/2017 01:02	WG1017434
4-Chlorotoluene	U		0.000278	0.00116	1	09/07/2017 01:02	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	09/07/2017 01:02	WG1017434
1,2-Dibromoethane	U		0.000397	0.00116	1	09/07/2017 01:02	WG1017434
Dibromomethane	U		0.000443	0.00116	1	09/07/2017 01:02	WG1017434
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/07/2017 01:02	WG1017434
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/07/2017 01:02	WG1017434
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/07/2017 01:02	WG1017434
Dichlorodifluoromethane	U	J0	0.000826	0.00579	1	09/07/2017 01:02	WG1017434
1,1-Dichloroethane	U		0.000231	0.00116	1	09/07/2017 01:02	WG1017434
1,2-Dichloroethane	U		0.000307	0.00116	1	09/07/2017 01:02	WG1017434
1,1-Dichloroethene	U		0.000351	0.00116	1	09/07/2017 01:02	WG1017434
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	09/07/2017 01:02	WG1017434
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/07/2017 01:02	WG1017434
1,2-Dichloropropane	U		0.000415	0.00116	1	09/07/2017 01:02	WG1017434
1,1-Dichloropropene	U		0.000367	0.00116	1	09/07/2017 01:02	WG1017434
1,3-Dichloropropane	U		0.000240	0.00116	1	09/07/2017 01:02	WG1017434
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/07/2017 01:02	WG1017434
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/07/2017 01:02	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000902	0.00290	1	09/07/2017 01:02	WG1017434
2,2-Dichloropropane	U		0.000323	0.00116	1	09/07/2017 01:02	WG1017434
Di-isopropyl ether	U		0.000287	0.00116	1	09/07/2017 01:02	WG1017434
Ethylbenzene	U		0.000344	0.00116	1	09/07/2017 01:02	WG1017434
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/07/2017 01:02	WG1017434
2-Hexanone	U	J0	0.00159	0.0116	1	09/07/2017 01:02	WG1017434
n-Hexane	U	J0	0.000336	0.0116	1	09/07/2017 01:02	WG1017434
Iodomethane	U		0.00293	0.0116	1	09/07/2017 01:02	WG1017434
Isopropylbenzene	U		0.000282	0.00116	1	09/07/2017 01:02	WG1017434
p-Isopropyltoluene	U		0.000236	0.00116	1	09/07/2017 01:02	WG1017434
2-Butanone (MEK)	U	J0	0.00542	0.0116	1	09/07/2017 01:02	WG1017434
Methylene Chloride	U		0.00116	0.00579	1	09/07/2017 01:02	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00218	0.0116	1	09/07/2017 01:02	WG1017434

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		0.000246	0.00116	1	09/07/2017 01:02	WG1017434
Naphthalene	U		0.00116	0.00579	1	09/07/2017 01:02	WG1017434
n-Propylbenzene	U		0.000239	0.00116	1	09/07/2017 01:02	WG1017434
Styrene	U		0.000271	0.00116	1	09/07/2017 01:02	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/07/2017 01:02	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/07/2017 01:02	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/07/2017 01:02	WG1017434
Tetrachloroethene	0.00289		0.000320	0.00116	1	09/07/2017 01:02	WG1017434
Toluene	U		0.000503	0.00579	1	09/07/2017 01:02	WG1017434
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/07/2017 01:02	WG1017434
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/07/2017 01:02	WG1017434
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/07/2017 01:02	WG1017434
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/07/2017 01:02	WG1017434
Trichloroethene	U		0.000323	0.00116	1	09/07/2017 01:02	WG1017434
Trichlorofluoromethane	U		0.000443	0.00579	1	09/07/2017 01:02	WG1017434
1,2,3-Trichloropropane	U		0.000859	0.00290	1	09/07/2017 01:02	WG1017434
1,2,4-Trimethylbenzene	0.000365	J	0.000245	0.00116	1	09/07/2017 01:02	WG1017434
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/07/2017 01:02	WG1017434
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/07/2017 01:02	WG1017434
Vinyl acetate	U		0.00277	0.0116	1	09/07/2017 01:02	WG1017434
Vinyl chloride	U		0.000337	0.00116	1	09/07/2017 01:02	WG1017434
Xylenes, Total	U		0.000809	0.00348	1	09/07/2017 01:02	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 01:02*	WG1017434
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/07/2017 01:02*	WG1017434
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/07/2017 01:02*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	09/11/2017 09:58	WG1018605

Volatile Organic Compounds (GC/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 J3	0.0104	0.0521	1	09/07/2017 01:22	WG1017434
Acrylonitrile	U	J0	0.00187	0.0104	1	09/07/2017 01:22	WG1017434
Benzene	0.000385	J	0.000281	0.00104	1	09/07/2017 01:22	WG1017434
Bromobenzene	U		0.000296	0.00104	1	09/07/2017 01:22	WG1017434
Bromodichloromethane	U		0.000265	0.00104	1	09/07/2017 01:22	WG1017434
Bromochloromethane	U		0.000406	0.00521	1	09/07/2017 01:22	WG1017434
Bromoform	U		0.000442	0.00104	1	09/07/2017 01:22	WG1017434
Bromomethane	U		0.00140	0.00521	1	09/07/2017 01:22	WG1017434
n-Butylbenzene	0.00519		0.000269	0.00104	1	09/07/2017 01:22	WG1017434
sec-Butylbenzene	0.00362		0.000209	0.00104	1	09/07/2017 01:22	WG1017434
tert-Butylbenzene	U		0.000215	0.00104	1	09/07/2017 01:22	WG1017434
Carbon disulfide	0.000932	J	0.000230	0.00104	1	09/07/2017 01:22	WG1017434
Carbon tetrachloride	U		0.000342	0.00104	1	09/07/2017 01:22	WG1017434
Chlorobenzene	U		0.000221	0.00104	1	09/07/2017 01:22	WG1017434
Chlorodibromomethane	U		0.000389	0.00104	1	09/07/2017 01:22	WG1017434
Chloroethane	U		0.000986	0.00521	1	09/07/2017 01:22	WG1017434
Chloroform	U		0.000239	0.00521	1	09/07/2017 01:22	WG1017434
Chloromethane	U	J0	0.000391	0.00261	1	09/07/2017 01:22	WG1017434
2-Chlorotoluene	U		0.000314	0.00104	1	09/07/2017 01:22	WG1017434
4-Chlorotoluene	U		0.000250	0.00104	1	09/07/2017 01:22	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00109	0.00521	1	09/07/2017 01:22	WG1017434
1,2-Dibromoethane	U		0.000357	0.00104	1	09/07/2017 01:22	WG1017434
Dibromomethane	U		0.000398	0.00104	1	09/07/2017 01:22	WG1017434
1,2-Dichlorobenzene	U		0.000318	0.00104	1	09/07/2017 01:22	WG1017434
1,3-Dichlorobenzene	U		0.000249	0.00104	1	09/07/2017 01:22	WG1017434
1,4-Dichlorobenzene	U		0.000236	0.00104	1	09/07/2017 01:22	WG1017434
Dichlorodifluoromethane	U	J0	0.000743	0.00521	1	09/07/2017 01:22	WG1017434
1,1-Dichloroethane	U		0.000207	0.00104	1	09/07/2017 01:22	WG1017434
1,2-Dichloroethane	U		0.000276	0.00104	1	09/07/2017 01:22	WG1017434
1,1-Dichloroethene	U		0.000316	0.00104	1	09/07/2017 01:22	WG1017434
cis-1,2-Dichloroethene	U		0.000245	0.00104	1	09/07/2017 01:22	WG1017434
trans-1,2-Dichloroethene	U		0.000275	0.00104	1	09/07/2017 01:22	WG1017434
1,2-Dichloropropane	U		0.000373	0.00104	1	09/07/2017 01:22	WG1017434
1,1-Dichloropropene	U		0.000330	0.00104	1	09/07/2017 01:22	WG1017434
1,3-Dichloropropane	U		0.000216	0.00104	1	09/07/2017 01:22	WG1017434
cis-1,3-Dichloropropene	U		0.000273	0.00104	1	09/07/2017 01:22	WG1017434
trans-1,3-Dichloropropene	U		0.000278	0.00104	1	09/07/2017 01:22	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000811	0.00261	1	09/07/2017 01:22	WG1017434
2,2-Dichloropropane	U		0.000291	0.00104	1	09/07/2017 01:22	WG1017434
Di-isopropyl ether	U		0.000258	0.00104	1	09/07/2017 01:22	WG1017434
Ethylbenzene	0.000991	J	0.000309	0.00104	1	09/07/2017 01:22	WG1017434
Hexachloro-1,3-butadiene	U		0.000356	0.00104	1	09/07/2017 01:22	WG1017434
2-Hexanone	U	J0	0.00143	0.0104	1	09/07/2017 01:22	WG1017434
n-Hexane	0.0375	J0	0.000302	0.0104	1	09/07/2017 01:22	WG1017434
Iodomethane	U		0.00264	0.0104	1	09/07/2017 01:22	WG1017434
Isopropylbenzene	0.00198		0.000253	0.00104	1	09/07/2017 01:22	WG1017434
p-Isopropyltoluene	0.00445		0.000213	0.00104	1	09/07/2017 01:22	WG1017434
2-Butanone (MEK)	0.00736	J J0	0.00488	0.0104	1	09/07/2017 01:22	WG1017434
Methylene Chloride	U		0.00104	0.00521	1	09/07/2017 01:22	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00196	0.0104	1	09/07/2017 01:22	WG1017434

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000221	0.00104	1	09/07/2017 01:22	WG1017434
Naphthalene	0.0239		0.00104	0.00521	1	09/07/2017 01:22	WG1017434
n-Propylbenzene	0.00457		0.000215	0.00104	1	09/07/2017 01:22	WG1017434
Styrene	U		0.000244	0.00104	1	09/07/2017 01:22	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000275	0.00104	1	09/07/2017 01:22	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000380	0.00104	1	09/07/2017 01:22	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000380	0.00104	1	09/07/2017 01:22	WG1017434
Tetrachloroethene	0.00263		0.000288	0.00104	1	09/07/2017 01:22	WG1017434
Toluene	0.000540	J	0.000452	0.00521	1	09/07/2017 01:22	WG1017434
1,2,3-Trichlorobenzene	U		0.000319	0.00104	1	09/07/2017 01:22	WG1017434
1,2,4-Trichlorobenzene	U		0.000404	0.00104	1	09/07/2017 01:22	WG1017434
1,1,1-Trichloroethane	U		0.000298	0.00104	1	09/07/2017 01:22	WG1017434
1,1,2-Trichloroethane	U		0.000289	0.00104	1	09/07/2017 01:22	WG1017434
Trichloroethene	U		0.000291	0.00104	1	09/07/2017 01:22	WG1017434
Trichlorofluoromethane	U		0.000398	0.00521	1	09/07/2017 01:22	WG1017434
1,2,3-Trichloropropane	U		0.000772	0.00261	1	09/07/2017 01:22	WG1017434
1,2,4-Trimethylbenzene	0.0661		0.000220	0.00104	1	09/07/2017 01:22	WG1017434
1,2,3-Trimethylbenzene	0.0392		0.000299	0.00104	1	09/07/2017 01:22	WG1017434
1,3,5-Trimethylbenzene	0.0155		0.000277	0.00104	1	09/07/2017 01:22	WG1017434
Vinyl acetate	U		0.00249	0.0104	1	09/07/2017 01:22	WG1017434
Vinyl chloride	U		0.000303	0.00104	1	09/07/2017 01:22	WG1017434
Xylenes, Total	0.0126		0.000727	0.00313	1	09/07/2017 01:22	WG1017434
(S) Toluene-d8	*105*			*80.0-120*		*09/07/2017 01:22*	WG1017434
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/07/2017 01:22*	WG1017434
(S) 4-Bromofluorobenzene	*152*	J1		*64.0-132*		*09/07/2017 01:22*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0108	0.0541	1	09/07/2017 01:42	WG1017434
Acrylonitrile	U	J0	0.00194	0.0108	1	09/07/2017 01:42	WG1017434
Benzene	U		0.000292	0.00108	1	09/07/2017 01:42	WG1017434
Bromobenzene	U		0.000307	0.00108	1	09/07/2017 01:42	WG1017434
Bromodichloromethane	U		0.000275	0.00108	1	09/07/2017 01:42	WG1017434
Bromochloromethane	U		0.000422	0.00541	1	09/07/2017 01:42	WG1017434
Bromoform	U		0.000459	0.00108	1	09/07/2017 01:42	WG1017434
Bromomethane	U		0.00145	0.00541	1	09/07/2017 01:42	WG1017434
n-Butylbenzene	U		0.000279	0.00108	1	09/07/2017 01:42	WG1017434
sec-Butylbenzene	U		0.000218	0.00108	1	09/07/2017 01:42	WG1017434
tert-Butylbenzene	U		0.000223	0.00108	1	09/07/2017 01:42	WG1017434
Carbon disulfide	U		0.000239	0.00108	1	09/07/2017 01:42	WG1017434
Carbon tetrachloride	U		0.000355	0.00108	1	09/07/2017 01:42	WG1017434
Chlorobenzene	U		0.000230	0.00108	1	09/07/2017 01:42	WG1017434
Chlorodibromomethane	U		0.000404	0.00108	1	09/07/2017 01:42	WG1017434
Chloroethane	U		0.00102	0.00541	1	09/07/2017 01:42	WG1017434
Chloroform	U		0.000248	0.00541	1	09/07/2017 01:42	WG1017434
Chloromethane	U	J0	0.000406	0.00271	1	09/07/2017 01:42	WG1017434
2-Chlorotoluene	U		0.000326	0.00108	1	09/07/2017 01:42	WG1017434
4-Chlorotoluene	U		0.000260	0.00108	1	09/07/2017 01:42	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	09/07/2017 01:42	WG1017434
1,2-Dibromoethane	U		0.000371	0.00108	1	09/07/2017 01:42	WG1017434
Dibromomethane	U		0.000414	0.00108	1	09/07/2017 01:42	WG1017434
1,2-Dichlorobenzene	U		0.000330	0.00108	1	09/07/2017 01:42	WG1017434
1,3-Dichlorobenzene	U		0.000259	0.00108	1	09/07/2017 01:42	WG1017434
1,4-Dichlorobenzene	U		0.000245	0.00108	1	09/07/2017 01:42	WG1017434
Dichlorodifluoromethane	U	J0	0.000772	0.00541	1	09/07/2017 01:42	WG1017434
1,1-Dichloroethane	U		0.000215	0.00108	1	09/07/2017 01:42	WG1017434
1,2-Dichloroethane	U		0.000287	0.00108	1	09/07/2017 01:42	WG1017434
1,1-Dichloroethene	U		0.000328	0.00108	1	09/07/2017 01:42	WG1017434
cis-1,2-Dichloroethene	U		0.000254	0.00108	1	09/07/2017 01:42	WG1017434
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	09/07/2017 01:42	WG1017434
1,2-Dichloropropane	U		0.000388	0.00108	1	09/07/2017 01:42	WG1017434
1,1-Dichloropropene	U		0.000343	0.00108	1	09/07/2017 01:42	WG1017434
1,3-Dichloropropane	U		0.000224	0.00108	1	09/07/2017 01:42	WG1017434
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	09/07/2017 01:42	WG1017434
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	09/07/2017 01:42	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000842	0.00271	1	09/07/2017 01:42	WG1017434
2,2-Dichloropropane	U		0.000302	0.00108	1	09/07/2017 01:42	WG1017434
Di-isopropyl ether	U		0.000268	0.00108	1	09/07/2017 01:42	WG1017434
Ethylbenzene	U		0.000322	0.00108	1	09/07/2017 01:42	WG1017434
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	09/07/2017 01:42	WG1017434
2-Hexanone	U	J0	0.00148	0.0108	1	09/07/2017 01:42	WG1017434
n-Hexane	U	J0	0.000314	0.0108	1	09/07/2017 01:42	WG1017434
Iodomethane	U		0.00274	0.0108	1	09/07/2017 01:42	WG1017434
Isopropylbenzene	U		0.000263	0.00108	1	09/07/2017 01:42	WG1017434
p-Isopropyltoluene	U		0.000221	0.00108	1	09/07/2017 01:42	WG1017434
2-Butanone (MEK)	U	J0	0.00507	0.0108	1	09/07/2017 01:42	WG1017434
Methylene Chloride	U		0.00108	0.00541	1	09/07/2017 01:42	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00204	0.0108	1	09/07/2017 01:42	WG1017434

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

Analyte	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	09/07/2017 01:42	WG1017434
Naphthalene	U		0.00108	0.00541	1	09/07/2017 01:42	WG1017434
n-Propylbenzene	U		0.000223	0.00108	1	09/07/2017 01:42	WG1017434
Styrene	U		0.000253	0.00108	1	09/07/2017 01:42	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/07/2017 01:42	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	09/07/2017 01:42	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	09/07/2017 01:42	WG1017434
Tetrachloroethene	U		0.000299	0.00108	1	09/07/2017 01:42	WG1017434
Toluene	U		0.000470	0.00541	1	09/07/2017 01:42	WG1017434
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	09/07/2017 01:42	WG1017434
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	09/07/2017 01:42	WG1017434
1,1,1-Trichloroethane	U		0.000310	0.00108	1	09/07/2017 01:42	WG1017434
1,1,2-Trichloroethane	U		0.000300	0.00108	1	09/07/2017 01:42	WG1017434
Trichloroethene	U		0.000302	0.00108	1	09/07/2017 01:42	WG1017434
Trichlorofluoromethane	U		0.000414	0.00541	1	09/07/2017 01:42	WG1017434
1,2,3-Trichloropropane	U		0.000802	0.00271	1	09/07/2017 01:42	WG1017434
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	09/07/2017 01:42	WG1017434
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	09/07/2017 01:42	WG1017434
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/07/2017 01:42	WG1017434
Vinyl acetate	U		0.00259	0.0108	1	09/07/2017 01:42	WG1017434
Vinyl chloride	U		0.000315	0.00108	1	09/07/2017 01:42	WG1017434
Xylenes, Total	U		0.000756	0.00325	1	09/07/2017 01:42	WG1017434
(S) Toluene-d8	*107*			*80.0-120*		*09/07/2017 01:42*	WG1017434
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/07/2017 01:42*	WG1017434
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/07/2017 01:42*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0111	0.0554	1	09/07/2017 02:02	WG1017434
Acrylonitrile	U	J0	0.00198	0.0111	1	09/07/2017 02:02	WG1017434
Benzene	U		0.000299	0.00111	1	09/07/2017 02:02	WG1017434
Bromobenzene	U		0.000315	0.00111	1	09/07/2017 02:02	WG1017434
Bromodichloromethane	U		0.000282	0.00111	1	09/07/2017 02:02	WG1017434
Bromochloromethane	U		0.000432	0.00554	1	09/07/2017 02:02	WG1017434
Bromoform	U		0.000470	0.00111	1	09/07/2017 02:02	WG1017434
Bromomethane	U		0.00149	0.00554	1	09/07/2017 02:02	WG1017434
n-Butylbenzene	U		0.000286	0.00111	1	09/07/2017 02:02	WG1017434
sec-Butylbenzene	U		0.000223	0.00111	1	09/07/2017 02:02	WG1017434
tert-Butylbenzene	U		0.000228	0.00111	1	09/07/2017 02:02	WG1017434
Carbon disulfide	U		0.000245	0.00111	1	09/07/2017 02:02	WG1017434
Carbon tetrachloride	U		0.000364	0.00111	1	09/07/2017 02:02	WG1017434
Chlorobenzene	U		0.000235	0.00111	1	09/07/2017 02:02	WG1017434
Chlorodibromomethane	U		0.000413	0.00111	1	09/07/2017 02:02	WG1017434
Chloroethane	U		0.00105	0.00554	1	09/07/2017 02:02	WG1017434
Chloroform	U		0.000254	0.00554	1	09/07/2017 02:02	WG1017434
Chloromethane	U	J0	0.000416	0.00277	1	09/07/2017 02:02	WG1017434
2-Chlorotoluene	U		0.000334	0.00111	1	09/07/2017 02:02	WG1017434
4-Chlorotoluene	U		0.000266	0.00111	1	09/07/2017 02:02	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	09/07/2017 02:02	WG1017434
1,2-Dibromoethane	U		0.000380	0.00111	1	09/07/2017 02:02	WG1017434
Dibromomethane	U		0.000423	0.00111	1	09/07/2017 02:02	WG1017434
1,2-Dichlorobenzene	U		0.000338	0.00111	1	09/07/2017 02:02	WG1017434
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/07/2017 02:02	WG1017434
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/07/2017 02:02	WG1017434
Dichlorodifluoromethane	U	J0	0.000790	0.00554	1	09/07/2017 02:02	WG1017434
1,1-Dichloroethane	U		0.000221	0.00111	1	09/07/2017 02:02	WG1017434
1,2-Dichloroethane	U		0.000294	0.00111	1	09/07/2017 02:02	WG1017434
1,1-Dichloroethene	U		0.000336	0.00111	1	09/07/2017 02:02	WG1017434
cis-1,2-Dichloroethene	U		0.000260	0.00111	1	09/07/2017 02:02	WG1017434
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/07/2017 02:02	WG1017434
1,2-Dichloropropane	U		0.000397	0.00111	1	09/07/2017 02:02	WG1017434
1,1-Dichloropropene	U		0.000351	0.00111	1	09/07/2017 02:02	WG1017434
1,3-Dichloropropane	U		0.000229	0.00111	1	09/07/2017 02:02	WG1017434
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	09/07/2017 02:02	WG1017434
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/07/2017 02:02	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000862	0.00277	1	09/07/2017 02:02	WG1017434
2,2-Dichloropropane	U		0.000309	0.00111	1	09/07/2017 02:02	WG1017434
Di-isopropyl ether	U		0.000275	0.00111	1	09/07/2017 02:02	WG1017434
Ethylbenzene	U		0.000329	0.00111	1	09/07/2017 02:02	WG1017434
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	09/07/2017 02:02	WG1017434
2-Hexanone	U	J0	0.00152	0.0111	1	09/07/2017 02:02	WG1017434
n-Hexane	U	J0	0.000321	0.0111	1	09/07/2017 02:02	WG1017434
Iodomethane	U		0.00280	0.0111	1	09/07/2017 02:02	WG1017434
Isopropylbenzene	U		0.000269	0.00111	1	09/07/2017 02:02	WG1017434
p-Isopropyltoluene	U		0.000226	0.00111	1	09/07/2017 02:02	WG1017434
2-Butanone (MEK)	U	J0	0.00519	0.0111	1	09/07/2017 02:02	WG1017434
Methylene Chloride	U		0.00111	0.00554	1	09/07/2017 02:02	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00208	0.0111	1	09/07/2017 02:02	WG1017434

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

Analyte	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	09/07/2017 02:02	WG1017434
Naphthalene	U		0.00111	0.00554	1	09/07/2017 02:02	WG1017434
n-Propylbenzene	U		0.000228	0.00111	1	09/07/2017 02:02	WG1017434
Styrene	U		0.000259	0.00111	1	09/07/2017 02:02	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/07/2017 02:02	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/07/2017 02:02	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/07/2017 02:02	WG1017434
Tetrachloroethene	U		0.000306	0.00111	1	09/07/2017 02:02	WG1017434
Toluene	U		0.000481	0.00554	1	09/07/2017 02:02	WG1017434
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	09/07/2017 02:02	WG1017434
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	09/07/2017 02:02	WG1017434
1,1,1-Trichloroethane	U		0.000317	0.00111	1	09/07/2017 02:02	WG1017434
1,1,2-Trichloroethane	U		0.000307	0.00111	1	09/07/2017 02:02	WG1017434
Trichloroethene	U		0.000309	0.00111	1	09/07/2017 02:02	WG1017434
Trichlorofluoromethane	U		0.000423	0.00554	1	09/07/2017 02:02	WG1017434
1,2,3-Trichloropropane	U		0.000821	0.00277	1	09/07/2017 02:02	WG1017434
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/07/2017 02:02	WG1017434
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	09/07/2017 02:02	WG1017434
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/07/2017 02:02	WG1017434
Vinyl acetate	U		0.00265	0.0111	1	09/07/2017 02:02	WG1017434
Vinyl chloride	U		0.000323	0.00111	1	09/07/2017 02:02	WG1017434
Xylenes, Total	U		0.000774	0.00333	1	09/07/2017 02:02	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 02:02*	WG1017434
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/07/2017 02:02*	WG1017434
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/07/2017 02:02*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0109	0.0544	1	09/07/2017 02:22	WG1017434
Acrylonitrile	U	J0	0.00195	0.0109	1	09/07/2017 02:22	WG1017434
Benzene	U		0.000294	0.00109	1	09/07/2017 02:22	WG1017434
Bromobenzene	U		0.000309	0.00109	1	09/07/2017 02:22	WG1017434
Bromodichloromethane	U		0.000276	0.00109	1	09/07/2017 02:22	WG1017434
Bromochloromethane	U		0.000425	0.00544	1	09/07/2017 02:22	WG1017434
Bromoform	U		0.000462	0.00109	1	09/07/2017 02:22	WG1017434
Bromomethane	U		0.00146	0.00544	1	09/07/2017 02:22	WG1017434
n-Butylbenzene	U		0.000281	0.00109	1	09/07/2017 02:22	WG1017434
sec-Butylbenzene	U		0.000219	0.00109	1	09/07/2017 02:22	WG1017434
tert-Butylbenzene	U		0.000224	0.00109	1	09/07/2017 02:22	WG1017434
Carbon disulfide	0.000834	J	0.000241	0.00109	1	09/07/2017 02:22	WG1017434
Carbon tetrachloride	U		0.000357	0.00109	1	09/07/2017 02:22	WG1017434
Chlorobenzene	U		0.000231	0.00109	1	09/07/2017 02:22	WG1017434
Chlorodibromomethane	U		0.000406	0.00109	1	09/07/2017 02:22	WG1017434
Chloroethane	U		0.00103	0.00544	1	09/07/2017 02:22	WG1017434
Chloroform	U		0.000249	0.00544	1	09/07/2017 02:22	WG1017434
Chloromethane	U	J0	0.000408	0.00272	1	09/07/2017 02:22	WG1017434
2-Chlorotoluene	U		0.000328	0.00109	1	09/07/2017 02:22	WG1017434
4-Chlorotoluene	U		0.000261	0.00109	1	09/07/2017 02:22	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	09/07/2017 02:22	WG1017434
1,2-Dibromoethane	U		0.000373	0.00109	1	09/07/2017 02:22	WG1017434
Dibromomethane	U		0.000416	0.00109	1	09/07/2017 02:22	WG1017434
1,2-Dichlorobenzene	U		0.000332	0.00109	1	09/07/2017 02:22	WG1017434
1,3-Dichlorobenzene	U		0.000260	0.00109	1	09/07/2017 02:22	WG1017434
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/07/2017 02:22	WG1017434
Dichlorodifluoromethane	U	J0	0.000776	0.00544	1	09/07/2017 02:22	WG1017434
1,1-Dichloroethane	U		0.000217	0.00109	1	09/07/2017 02:22	WG1017434
1,2-Dichloroethane	U		0.000288	0.00109	1	09/07/2017 02:22	WG1017434
1,1-Dichloroethene	U		0.000330	0.00109	1	09/07/2017 02:22	WG1017434
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	09/07/2017 02:22	WG1017434
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	09/07/2017 02:22	WG1017434
1,2-Dichloropropane	U		0.000390	0.00109	1	09/07/2017 02:22	WG1017434
1,1-Dichloropropene	U		0.000345	0.00109	1	09/07/2017 02:22	WG1017434
1,3-Dichloropropane	U		0.000225	0.00109	1	09/07/2017 02:22	WG1017434
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	09/07/2017 02:22	WG1017434
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/07/2017 02:22	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	09/07/2017 02:22	WG1017434
2,2-Dichloropropane	U		0.000304	0.00109	1	09/07/2017 02:22	WG1017434
Di-isopropyl ether	U		0.000270	0.00109	1	09/07/2017 02:22	WG1017434
Ethylbenzene	U		0.000323	0.00109	1	09/07/2017 02:22	WG1017434
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	09/07/2017 02:22	WG1017434
2-Hexanone	U	J0	0.00149	0.0109	1	09/07/2017 02:22	WG1017434
n-Hexane	0.0237	J0	0.000316	0.0109	1	09/07/2017 02:22	WG1017434
Iodomethane	U		0.00275	0.0109	1	09/07/2017 02:22	WG1017434
Isopropylbenzene	U		0.000265	0.00109	1	09/07/2017 02:22	WG1017434
p-Isopropyltoluene	U		0.000222	0.00109	1	09/07/2017 02:22	WG1017434
2-Butanone (MEK)	U	J0	0.00509	0.0109	1	09/07/2017 02:22	WG1017434
Methylene Chloride	U		0.00109	0.00544	1	09/07/2017 02:22	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00205	0.0109	1	09/07/2017 02:22	WG1017434

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

Analyte	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	09/07/2017 02:22	WG1017434
Naphthalene	U		0.00109	0.00544	1	09/07/2017 02:22	WG1017434
n-Propylbenzene	U		0.000224	0.00109	1	09/07/2017 02:22	WG1017434
Styrene	U		0.000255	0.00109	1	09/07/2017 02:22	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	09/07/2017 02:22	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	09/07/2017 02:22	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	09/07/2017 02:22	WG1017434
Tetrachloroethene	U		0.000300	0.00109	1	09/07/2017 02:22	WG1017434
Toluene	U		0.000472	0.00544	1	09/07/2017 02:22	WG1017434
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	09/07/2017 02:22	WG1017434
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	09/07/2017 02:22	WG1017434
1,1,1-Trichloroethane	U		0.000311	0.00109	1	09/07/2017 02:22	WG1017434
1,1,2-Trichloroethane	U		0.000302	0.00109	1	09/07/2017 02:22	WG1017434
Trichloroethene	U		0.000304	0.00109	1	09/07/2017 02:22	WG1017434
Trichlorofluoromethane	U		0.000416	0.00544	1	09/07/2017 02:22	WG1017434
1,2,3-Trichloropropane	U		0.000807	0.00272	1	09/07/2017 02:22	WG1017434
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/07/2017 02:22	WG1017434
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	09/07/2017 02:22	WG1017434
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/07/2017 02:22	WG1017434
Vinyl acetate	U		0.00260	0.0109	1	09/07/2017 02:22	WG1017434
Vinyl chloride	U		0.000317	0.00109	1	09/07/2017 02:22	WG1017434
Xylenes, Total	U		0.000760	0.00327	1	09/07/2017 02:22	WG1017434
(S) Toluene-d8	*108*			*80.0-120*		*09/07/2017 02:22*	WG1017434
(S) Dibromofluoromethane	*106*			*74.0-131*		*09/07/2017 02:22*	WG1017434
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/07/2017 02:22*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0113	0.0567	1	09/07/2017 02:42	WG1017434
Acrylonitrile	U	J0	0.00203	0.0113	1	09/07/2017 02:42	WG1017434
Benzene	U		0.000306	0.00113	1	09/07/2017 02:42	WG1017434
Bromobenzene	U		0.000322	0.00113	1	09/07/2017 02:42	WG1017434
Bromodichloromethane	U		0.000288	0.00113	1	09/07/2017 02:42	WG1017434
Bromochloromethane	U		0.000443	0.00567	1	09/07/2017 02:42	WG1017434
Bromoform	U		0.000481	0.00113	1	09/07/2017 02:42	WG1017434
Bromomethane	U		0.00152	0.00567	1	09/07/2017 02:42	WG1017434
n-Butylbenzene	U		0.000293	0.00113	1	09/07/2017 02:42	WG1017434
sec-Butylbenzene	U		0.000228	0.00113	1	09/07/2017 02:42	WG1017434
tert-Butylbenzene	U		0.000234	0.00113	1	09/07/2017 02:42	WG1017434
Carbon disulfide	0.000952	J	0.000251	0.00113	1	09/07/2017 02:42	WG1017434
Carbon tetrachloride	U		0.000372	0.00113	1	09/07/2017 02:42	WG1017434
Chlorobenzene	U		0.000241	0.00113	1	09/07/2017 02:42	WG1017434
Chlorodibromomethane	U		0.000423	0.00113	1	09/07/2017 02:42	WG1017434
Chloroethane	U		0.00107	0.00567	1	09/07/2017 02:42	WG1017434
Chloroform	U		0.000260	0.00567	1	09/07/2017 02:42	WG1017434
Chloromethane	U	J0	0.000426	0.00284	1	09/07/2017 02:42	WG1017434
2-Chlorotoluene	U		0.000342	0.00113	1	09/07/2017 02:42	WG1017434
4-Chlorotoluene	U		0.000272	0.00113	1	09/07/2017 02:42	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	09/07/2017 02:42	WG1017434
1,2-Dibromoethane	U		0.000389	0.00113	1	09/07/2017 02:42	WG1017434
Dibromomethane	U		0.000434	0.00113	1	09/07/2017 02:42	WG1017434
1,2-Dichlorobenzene	U		0.000346	0.00113	1	09/07/2017 02:42	WG1017434
1,3-Dichlorobenzene	U		0.000271	0.00113	1	09/07/2017 02:42	WG1017434
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/07/2017 02:42	WG1017434
Dichlorodifluoromethane	U	J0	0.000809	0.00567	1	09/07/2017 02:42	WG1017434
1,1-Dichloroethane	U		0.000226	0.00113	1	09/07/2017 02:42	WG1017434
1,2-Dichloroethane	U		0.000301	0.00113	1	09/07/2017 02:42	WG1017434
1,1-Dichloroethene	U		0.000344	0.00113	1	09/07/2017 02:42	WG1017434
cis-1,2-Dichloroethene	U		0.000267	0.00113	1	09/07/2017 02:42	WG1017434
trans-1,2-Dichloroethene	U		0.000300	0.00113	1	09/07/2017 02:42	WG1017434
1,2-Dichloropropane	U		0.000406	0.00113	1	09/07/2017 02:42	WG1017434
1,1-Dichloropropene	U		0.000360	0.00113	1	09/07/2017 02:42	WG1017434
1,3-Dichloropropane	U		0.000235	0.00113	1	09/07/2017 02:42	WG1017434
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	09/07/2017 02:42	WG1017434
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	09/07/2017 02:42	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	09/07/2017 02:42	WG1017434
2,2-Dichloropropane	U		0.000317	0.00113	1	09/07/2017 02:42	WG1017434
Di-isopropyl ether	U		0.000281	0.00113	1	09/07/2017 02:42	WG1017434
Ethylbenzene	U		0.000337	0.00113	1	09/07/2017 02:42	WG1017434
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	09/07/2017 02:42	WG1017434
2-Hexanone	U	J0	0.00155	0.0113	1	09/07/2017 02:42	WG1017434
n-Hexane	0.000359	J J0	0.000329	0.0113	1	09/07/2017 02:42	WG1017434
Iodomethane	U		0.00287	0.0113	1	09/07/2017 02:42	WG1017434
Isopropylbenzene	U		0.000276	0.00113	1	09/07/2017 02:42	WG1017434
p-Isopropyltoluene	U		0.000232	0.00113	1	09/07/2017 02:42	WG1017434
2-Butanone (MEK)	U	J0	0.00531	0.0113	1	09/07/2017 02:42	WG1017434
Methylene Chloride	U		0.00113	0.00567	1	09/07/2017 02:42	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00213	0.0113	1	09/07/2017 02:42	WG1017434

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		0.000241	0.00113	1	09/07/2017 02:42	WG1017434
Naphthalene	U		0.00113	0.00567	1	09/07/2017 02:42	WG1017434
n-Propylbenzene	U		0.000234	0.00113	1	09/07/2017 02:42	WG1017434
Styrene	U		0.000266	0.00113	1	09/07/2017 02:42	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000300	0.00113	1	09/07/2017 02:42	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	09/07/2017 02:42	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	09/07/2017 02:42	WG1017434
Tetrachloroethene	0.0221		0.000313	0.00113	1	09/07/2017 02:42	WG1017434
Toluene	U		0.000493	0.00567	1	09/07/2017 02:42	WG1017434
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	09/07/2017 02:42	WG1017434
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	09/07/2017 02:42	WG1017434
1,1,1-Trichloroethane	U		0.000325	0.00113	1	09/07/2017 02:42	WG1017434
1,1,2-Trichloroethane	U		0.000314	0.00113	1	09/07/2017 02:42	WG1017434
Trichloroethene	U		0.000317	0.00113	1	09/07/2017 02:42	WG1017434
Trichlorofluoromethane	U		0.000434	0.00567	1	09/07/2017 02:42	WG1017434
1,2,3-Trichloropropane	U		0.000841	0.00284	1	09/07/2017 02:42	WG1017434
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	09/07/2017 02:42	WG1017434
1,2,3-Trimethylbenzene	U		0.000326	0.00113	1	09/07/2017 02:42	WG1017434
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	09/07/2017 02:42	WG1017434
Vinyl acetate	U		0.00271	0.0113	1	09/07/2017 02:42	WG1017434
Vinyl chloride	U		0.000330	0.00113	1	09/07/2017 02:42	WG1017434
Xylenes, Total	U		0.000792	0.00340	1	09/07/2017 02:42	WG1017434
(S) Toluene-d8	*112*			*80.0-120*		*09/07/2017 02:42*	WG1017434
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/07/2017 02:42*	WG1017434
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/07/2017 02:42*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0111	0.0554	1	09/07/2017 03:02	WG1017434
Acrylonitrile	U	J0	0.00198	0.0111	1	09/07/2017 03:02	WG1017434
Benzene	U		0.000299	0.00111	1	09/07/2017 03:02	WG1017434
Bromobenzene	U		0.000315	0.00111	1	09/07/2017 03:02	WG1017434
Bromodichloromethane	U		0.000282	0.00111	1	09/07/2017 03:02	WG1017434
Bromochloromethane	U		0.000432	0.00554	1	09/07/2017 03:02	WG1017434
Bromoform	U		0.000470	0.00111	1	09/07/2017 03:02	WG1017434
Bromomethane	U		0.00149	0.00554	1	09/07/2017 03:02	WG1017434
n-Butylbenzene	U		0.000286	0.00111	1	09/07/2017 03:02	WG1017434
sec-Butylbenzene	U		0.000223	0.00111	1	09/07/2017 03:02	WG1017434
tert-Butylbenzene	U		0.000228	0.00111	1	09/07/2017 03:02	WG1017434
Carbon disulfide	U		0.000245	0.00111	1	09/07/2017 03:02	WG1017434
Carbon tetrachloride	U		0.000364	0.00111	1	09/07/2017 03:02	WG1017434
Chlorobenzene	U		0.000235	0.00111	1	09/07/2017 03:02	WG1017434
Chlorodibromomethane	U		0.000414	0.00111	1	09/07/2017 03:02	WG1017434
Chloroethane	U		0.00105	0.00554	1	09/07/2017 03:02	WG1017434
Chloroform	U		0.000254	0.00554	1	09/07/2017 03:02	WG1017434
Chloromethane	U	J0	0.000416	0.00277	1	09/07/2017 03:02	WG1017434
2-Chlorotoluene	U		0.000334	0.00111	1	09/07/2017 03:02	WG1017434
4-Chlorotoluene	U		0.000266	0.00111	1	09/07/2017 03:02	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	09/07/2017 03:02	WG1017434
1,2-Dibromoethane	U		0.000380	0.00111	1	09/07/2017 03:02	WG1017434
Dibromomethane	U		0.000424	0.00111	1	09/07/2017 03:02	WG1017434
1,2-Dichlorobenzene	U		0.000338	0.00111	1	09/07/2017 03:02	WG1017434
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/07/2017 03:02	WG1017434
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/07/2017 03:02	WG1017434
Dichlorodifluoromethane	U	J0	0.000791	0.00554	1	09/07/2017 03:02	WG1017434
1,1-Dichloroethane	U		0.000221	0.00111	1	09/07/2017 03:02	WG1017434
1,2-Dichloroethane	U		0.000294	0.00111	1	09/07/2017 03:02	WG1017434
1,1-Dichloroethene	U		0.000336	0.00111	1	09/07/2017 03:02	WG1017434
cis-1,2-Dichloroethene	0.00105	J	0.000261	0.00111	1	09/07/2017 03:02	WG1017434
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/07/2017 03:02	WG1017434
1,2-Dichloropropane	U		0.000397	0.00111	1	09/07/2017 03:02	WG1017434
1,1-Dichloropropene	U		0.000351	0.00111	1	09/07/2017 03:02	WG1017434
1,3-Dichloropropane	U		0.000230	0.00111	1	09/07/2017 03:02	WG1017434
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	09/07/2017 03:02	WG1017434
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/07/2017 03:02	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000863	0.00277	1	09/07/2017 03:02	WG1017434
2,2-Dichloropropane	U		0.000309	0.00111	1	09/07/2017 03:02	WG1017434
Di-isopropyl ether	U		0.000275	0.00111	1	09/07/2017 03:02	WG1017434
Ethylbenzene	U		0.000329	0.00111	1	09/07/2017 03:02	WG1017434
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	09/07/2017 03:02	WG1017434
2-Hexanone	U	J0	0.00152	0.0111	1	09/07/2017 03:02	WG1017434
n-Hexane	U	J0	0.000322	0.0111	1	09/07/2017 03:02	WG1017434
Iodomethane	U		0.00281	0.0111	1	09/07/2017 03:02	WG1017434
Isopropylbenzene	U		0.000269	0.00111	1	09/07/2017 03:02	WG1017434
p-Isopropyltoluene	U		0.000226	0.00111	1	09/07/2017 03:02	WG1017434
2-Butanone (MEK)	U	J0	0.00519	0.0111	1	09/07/2017 03:02	WG1017434
Methylene Chloride	U		0.00111	0.00554	1	09/07/2017 03:02	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00208	0.0111	1	09/07/2017 03:02	WG1017434

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		0.000235	0.00111	1	09/07/2017 03:02	WG1017434
Naphthalene	U		0.00111	0.00554	1	09/07/2017 03:02	WG1017434
n-Propylbenzene	U		0.000228	0.00111	1	09/07/2017 03:02	WG1017434
Styrene	U		0.000259	0.00111	1	09/07/2017 03:02	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/07/2017 03:02	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/07/2017 03:02	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/07/2017 03:02	WG1017434
Tetrachloroethene	0.0432		0.000306	0.00111	1	09/07/2017 03:02	WG1017434
Toluene	U		0.000481	0.00554	1	09/07/2017 03:02	WG1017434
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	09/07/2017 03:02	WG1017434
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	09/07/2017 03:02	WG1017434
1,1,1-Trichloroethane	U		0.000317	0.00111	1	09/07/2017 03:02	WG1017434
1,1,2-Trichloroethane	U		0.000307	0.00111	1	09/07/2017 03:02	WG1017434
Trichloroethene	0.00122		0.000309	0.00111	1	09/07/2017 03:02	WG1017434
Trichlorofluoromethane	U		0.000424	0.00554	1	09/07/2017 03:02	WG1017434
1,2,3-Trichloropropane	U		0.000822	0.00277	1	09/07/2017 03:02	WG1017434
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/07/2017 03:02	WG1017434
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	09/07/2017 03:02	WG1017434
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/07/2017 03:02	WG1017434
Vinyl acetate	U		0.00265	0.0111	1	09/07/2017 03:02	WG1017434
Vinyl chloride	U		0.000323	0.00111	1	09/07/2017 03:02	WG1017434
Xylenes, Total	U		0.000774	0.00333	1	09/07/2017 03:02	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 03:02*	WG1017434
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/07/2017 03:02*	WG1017434
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*09/07/2017 03:02*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0115	0.0574	1	09/07/2017 03:21	WG1017434
Acrylonitrile	U	J0	0.00205	0.0115	1	09/07/2017 03:21	WG1017434
Benzene	U		0.000310	0.00115	1	09/07/2017 03:21	WG1017434
Bromobenzene	U		0.000326	0.00115	1	09/07/2017 03:21	WG1017434
Bromodichloromethane	U		0.000292	0.00115	1	09/07/2017 03:21	WG1017434
Bromochloromethane	U		0.000448	0.00574	1	09/07/2017 03:21	WG1017434
Bromoform	U		0.000487	0.00115	1	09/07/2017 03:21	WG1017434
Bromomethane	U		0.00154	0.00574	1	09/07/2017 03:21	WG1017434
n-Butylbenzene	U		0.000296	0.00115	1	09/07/2017 03:21	WG1017434
sec-Butylbenzene	U		0.000231	0.00115	1	09/07/2017 03:21	WG1017434
tert-Butylbenzene	U		0.000236	0.00115	1	09/07/2017 03:21	WG1017434
Carbon disulfide	U		0.000254	0.00115	1	09/07/2017 03:21	WG1017434
Carbon tetrachloride	U		0.000376	0.00115	1	09/07/2017 03:21	WG1017434
Chlorobenzene	U		0.000243	0.00115	1	09/07/2017 03:21	WG1017434
Chlorodibromomethane	U		0.000428	0.00115	1	09/07/2017 03:21	WG1017434
Chloroethane	U		0.00109	0.00574	1	09/07/2017 03:21	WG1017434
Chloroform	U		0.000263	0.00574	1	09/07/2017 03:21	WG1017434
Chloromethane	U	J0	0.000430	0.00287	1	09/07/2017 03:21	WG1017434
2-Chlorotoluene	U		0.000345	0.00115	1	09/07/2017 03:21	WG1017434
4-Chlorotoluene	U		0.000275	0.00115	1	09/07/2017 03:21	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	09/07/2017 03:21	WG1017434
1,2-Dibromoethane	U		0.000394	0.00115	1	09/07/2017 03:21	WG1017434
Dibromomethane	U		0.000438	0.00115	1	09/07/2017 03:21	WG1017434
1,2-Dichlorobenzene	U		0.000350	0.00115	1	09/07/2017 03:21	WG1017434
1,3-Dichlorobenzene	U		0.000274	0.00115	1	09/07/2017 03:21	WG1017434
1,4-Dichlorobenzene	U		0.000259	0.00115	1	09/07/2017 03:21	WG1017434
Dichlorodifluoromethane	U	J0	0.000818	0.00574	1	09/07/2017 03:21	WG1017434
1,1-Dichloroethane	U		0.000228	0.00115	1	09/07/2017 03:21	WG1017434
1,2-Dichloroethane	U		0.000304	0.00115	1	09/07/2017 03:21	WG1017434
1,1-Dichloroethene	U		0.000348	0.00115	1	09/07/2017 03:21	WG1017434
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	09/07/2017 03:21	WG1017434
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	09/07/2017 03:21	WG1017434
1,2-Dichloropropane	U		0.000411	0.00115	1	09/07/2017 03:21	WG1017434
1,1-Dichloropropene	U		0.000364	0.00115	1	09/07/2017 03:21	WG1017434
1,3-Dichloropropane	U		0.000238	0.00115	1	09/07/2017 03:21	WG1017434
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	09/07/2017 03:21	WG1017434
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	09/07/2017 03:21	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	09/07/2017 03:21	WG1017434
2,2-Dichloropropane	U		0.000320	0.00115	1	09/07/2017 03:21	WG1017434
Di-isopropyl ether	U		0.000285	0.00115	1	09/07/2017 03:21	WG1017434
Ethylbenzene	U		0.000341	0.00115	1	09/07/2017 03:21	WG1017434
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	09/07/2017 03:21	WG1017434
2-Hexanone	U	J0	0.00157	0.0115	1	09/07/2017 03:21	WG1017434
n-Hexane	0.000409	J J0	0.000333	0.0115	1	09/07/2017 03:21	WG1017434
Iodomethane	U		0.00290	0.0115	1	09/07/2017 03:21	WG1017434
Isopropylbenzene	U		0.000279	0.00115	1	09/07/2017 03:21	WG1017434
p-Isopropyltoluene	U		0.000234	0.00115	1	09/07/2017 03:21	WG1017434
2-Butanone (MEK)	U	J0	0.00537	0.0115	1	09/07/2017 03:21	WG1017434
Methylene Chloride	U		0.00115	0.00574	1	09/07/2017 03:21	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00216	0.0115	1	09/07/2017 03:21	WG1017434

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

Analyte	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	09/07/2017 03:21	WG1017434
Naphthalene	U		0.00115	0.00574	1	09/07/2017 03:21	WG1017434
n-Propylbenzene	U		0.000236	0.00115	1	09/07/2017 03:21	WG1017434
Styrene	U		0.000269	0.00115	1	09/07/2017 03:21	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	09/07/2017 03:21	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	09/07/2017 03:21	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	09/07/2017 03:21	WG1017434
Tetrachloroethene	U		0.000317	0.00115	1	09/07/2017 03:21	WG1017434
Toluene	U		0.000498	0.00574	1	09/07/2017 03:21	WG1017434
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	09/07/2017 03:21	WG1017434
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	09/07/2017 03:21	WG1017434
1,1,1-Trichloroethane	U		0.000328	0.00115	1	09/07/2017 03:21	WG1017434
1,1,2-Trichloroethane	U		0.000318	0.00115	1	09/07/2017 03:21	WG1017434
Trichloroethene	U		0.000320	0.00115	1	09/07/2017 03:21	WG1017434
Trichlorofluoromethane	U		0.000438	0.00574	1	09/07/2017 03:21	WG1017434
1,2,3-Trichloropropane	U		0.000851	0.00287	1	09/07/2017 03:21	WG1017434
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	09/07/2017 03:21	WG1017434
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	09/07/2017 03:21	WG1017434
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	09/07/2017 03:21	WG1017434
Vinyl acetate	U		0.00274	0.0115	1	09/07/2017 03:21	WG1017434
Vinyl chloride	U		0.000334	0.00115	1	09/07/2017 03:21	WG1017434
Xylenes, Total	U		0.000801	0.00344	1	09/07/2017 03:21	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 03:21*	WG1017434
(S) Dibromofluoromethane	*109*			*74.0-131*		*09/07/2017 03:21*	WG1017434
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/07/2017 03:21*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0110	0.0550	1	09/07/2017 03:41	WG1017434
Acrylonitrile	U	J0	0.00197	0.0110	1	09/07/2017 03:41	WG1017434
Benzene	U		0.000297	0.00110	1	09/07/2017 03:41	WG1017434
Bromobenzene	U		0.000312	0.00110	1	09/07/2017 03:41	WG1017434
Bromodichloromethane	U		0.000279	0.00110	1	09/07/2017 03:41	WG1017434
Bromochloromethane	U		0.000429	0.00550	1	09/07/2017 03:41	WG1017434
Bromoform	U		0.000467	0.00110	1	09/07/2017 03:41	WG1017434
Bromomethane	U		0.00147	0.00550	1	09/07/2017 03:41	WG1017434
n-Butylbenzene	U		0.000284	0.00110	1	09/07/2017 03:41	WG1017434
sec-Butylbenzene	U		0.000221	0.00110	1	09/07/2017 03:41	WG1017434
tert-Butylbenzene	U		0.000227	0.00110	1	09/07/2017 03:41	WG1017434
Carbon disulfide	0.00140		0.000243	0.00110	1	09/07/2017 03:41	WG1017434
Carbon tetrachloride	U		0.000361	0.00110	1	09/07/2017 03:41	WG1017434
Chlorobenzene	U		0.000233	0.00110	1	09/07/2017 03:41	WG1017434
Chlorodibromomethane	U		0.000410	0.00110	1	09/07/2017 03:41	WG1017434
Chloroethane	U		0.00104	0.00550	1	09/07/2017 03:41	WG1017434
Chloroform	U		0.000252	0.00550	1	09/07/2017 03:41	WG1017434
Chloromethane	U	J0	0.000413	0.00275	1	09/07/2017 03:41	WG1017434
2-Chlorotoluene	U		0.000331	0.00110	1	09/07/2017 03:41	WG1017434
4-Chlorotoluene	U		0.000264	0.00110	1	09/07/2017 03:41	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00550	1	09/07/2017 03:41	WG1017434
1,2-Dibromoethane	U		0.000377	0.00110	1	09/07/2017 03:41	WG1017434
Dibromomethane	U		0.000420	0.00110	1	09/07/2017 03:41	WG1017434
1,2-Dichlorobenzene	U		0.000336	0.00110	1	09/07/2017 03:41	WG1017434
1,3-Dichlorobenzene	U		0.000263	0.00110	1	09/07/2017 03:41	WG1017434
1,4-Dichlorobenzene	U		0.000249	0.00110	1	09/07/2017 03:41	WG1017434
Dichlorodifluoromethane	U	J0	0.000785	0.00550	1	09/07/2017 03:41	WG1017434
1,1-Dichloroethane	U		0.000219	0.00110	1	09/07/2017 03:41	WG1017434
1,2-Dichloroethane	U		0.000292	0.00110	1	09/07/2017 03:41	WG1017434
1,1-Dichloroethene	U		0.000333	0.00110	1	09/07/2017 03:41	WG1017434
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	09/07/2017 03:41	WG1017434
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	09/07/2017 03:41	WG1017434
1,2-Dichloropropane	U		0.000394	0.00110	1	09/07/2017 03:41	WG1017434
1,1-Dichloropropene	U		0.000349	0.00110	1	09/07/2017 03:41	WG1017434
1,3-Dichloropropane	U		0.000228	0.00110	1	09/07/2017 03:41	WG1017434
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	09/07/2017 03:41	WG1017434
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	09/07/2017 03:41	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	09/07/2017 03:41	WG1017434
2,2-Dichloropropane	U		0.000307	0.00110	1	09/07/2017 03:41	WG1017434
Di-isopropyl ether	U		0.000273	0.00110	1	09/07/2017 03:41	WG1017434
Ethylbenzene	U		0.000327	0.00110	1	09/07/2017 03:41	WG1017434
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	09/07/2017 03:41	WG1017434
2-Hexanone	U	J0	0.00151	0.0110	1	09/07/2017 03:41	WG1017434
n-Hexane	0.0107	J J0	0.000319	0.0110	1	09/07/2017 03:41	WG1017434
Iodomethane	U		0.00278	0.0110	1	09/07/2017 03:41	WG1017434
Isopropylbenzene	U		0.000267	0.00110	1	09/07/2017 03:41	WG1017434
p-Isopropyltoluene	U		0.000224	0.00110	1	09/07/2017 03:41	WG1017434
2-Butanone (MEK)	U	J0	0.00515	0.0110	1	09/07/2017 03:41	WG1017434
Methylene Chloride	U		0.00110	0.00550	1	09/07/2017 03:41	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00207	0.0110	1	09/07/2017 03:41	WG1017434

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

Analyte	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	09/07/2017 03:41	WG1017434
Naphthalene	U		0.00110	0.00550	1	09/07/2017 03:41	WG1017434
n-Propylbenzene	U		0.000227	0.00110	1	09/07/2017 03:41	WG1017434
Styrene	U		0.000257	0.00110	1	09/07/2017 03:41	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	09/07/2017 03:41	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	09/07/2017 03:41	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	09/07/2017 03:41	WG1017434
Tetrachloroethene	U		0.000304	0.00110	1	09/07/2017 03:41	WG1017434
Toluene	U		0.000478	0.00550	1	09/07/2017 03:41	WG1017434
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	09/07/2017 03:41	WG1017434
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	09/07/2017 03:41	WG1017434
1,1,1-Trichloroethane	U		0.000315	0.00110	1	09/07/2017 03:41	WG1017434
1,1,2-Trichloroethane	U		0.000305	0.00110	1	09/07/2017 03:41	WG1017434
Trichloroethene	U		0.000307	0.00110	1	09/07/2017 03:41	WG1017434
Trichlorofluoromethane	U		0.000420	0.00550	1	09/07/2017 03:41	WG1017434
1,2,3-Trichloropropane	U		0.000815	0.00275	1	09/07/2017 03:41	WG1017434
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/07/2017 03:41	WG1017434
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	09/07/2017 03:41	WG1017434
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	09/07/2017 03:41	WG1017434
Vinyl acetate	U		0.00263	0.0110	1	09/07/2017 03:41	WG1017434
Vinyl chloride	U		0.000320	0.00110	1	09/07/2017 03:41	WG1017434
Xylenes, Total	U		0.000768	0.00330	1	09/07/2017 03:41	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 03:41*	WG1017434
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/07/2017 03:41*	WG1017434
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*09/07/2017 03:41*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0109	0.0546	1	09/07/2017 04:01	WG1017434
Acrylonitrile	U	J0	0.00196	0.0109	1	09/07/2017 04:01	WG1017434
Benzene	U		0.000295	0.00109	1	09/07/2017 04:01	WG1017434
Bromobenzene	U		0.000310	0.00109	1	09/07/2017 04:01	WG1017434
Bromodichloromethane	U		0.000278	0.00109	1	09/07/2017 04:01	WG1017434
Bromochloromethane	U		0.000426	0.00546	1	09/07/2017 04:01	WG1017434
Bromoform	U		0.000463	0.00109	1	09/07/2017 04:01	WG1017434
Bromomethane	U		0.00146	0.00546	1	09/07/2017 04:01	WG1017434
n-Butylbenzene	U		0.000282	0.00109	1	09/07/2017 04:01	WG1017434
sec-Butylbenzene	U		0.000220	0.00109	1	09/07/2017 04:01	WG1017434
tert-Butylbenzene	U		0.000225	0.00109	1	09/07/2017 04:01	WG1017434
Carbon disulfide	U		0.000242	0.00109	1	09/07/2017 04:01	WG1017434
Carbon tetrachloride	U		0.000358	0.00109	1	09/07/2017 04:01	WG1017434
Chlorobenzene	U		0.000232	0.00109	1	09/07/2017 04:01	WG1017434
Chlorodibromomethane	U		0.000408	0.00109	1	09/07/2017 04:01	WG1017434
Chloroethane	U		0.00103	0.00546	1	09/07/2017 04:01	WG1017434
Chloroform	U		0.000250	0.00546	1	09/07/2017 04:01	WG1017434
Chloromethane	U	J0	0.000410	0.00273	1	09/07/2017 04:01	WG1017434
2-Chlorotoluene	U		0.000329	0.00109	1	09/07/2017 04:01	WG1017434
4-Chlorotoluene	U		0.000262	0.00109	1	09/07/2017 04:01	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	09/07/2017 04:01	WG1017434
1,2-Dibromoethane	U		0.000375	0.00109	1	09/07/2017 04:01	WG1017434
Dibromomethane	U		0.000417	0.00109	1	09/07/2017 04:01	WG1017434
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/07/2017 04:01	WG1017434
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/07/2017 04:01	WG1017434
1,4-Dichlorobenzene	U		0.000247	0.00109	1	09/07/2017 04:01	WG1017434
Dichlorodifluoromethane	U	J0	0.000779	0.00546	1	09/07/2017 04:01	WG1017434
1,1-Dichloroethane	U		0.000217	0.00109	1	09/07/2017 04:01	WG1017434
1,2-Dichloroethane	U		0.000290	0.00109	1	09/07/2017 04:01	WG1017434
1,1-Dichloroethene	U		0.000331	0.00109	1	09/07/2017 04:01	WG1017434
cis-1,2-Dichloroethene	U		0.000257	0.00109	1	09/07/2017 04:01	WG1017434
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	09/07/2017 04:01	WG1017434
1,2-Dichloropropane	U		0.000391	0.00109	1	09/07/2017 04:01	WG1017434
1,1-Dichloropropene	U		0.000346	0.00109	1	09/07/2017 04:01	WG1017434
1,3-Dichloropropane	U		0.000226	0.00109	1	09/07/2017 04:01	WG1017434
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/07/2017 04:01	WG1017434
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	09/07/2017 04:01	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	09/07/2017 04:01	WG1017434
2,2-Dichloropropane	U		0.000305	0.00109	1	09/07/2017 04:01	WG1017434
Di-isopropyl ether	U		0.000271	0.00109	1	09/07/2017 04:01	WG1017434
Ethylbenzene	U		0.000325	0.00109	1	09/07/2017 04:01	WG1017434
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	09/07/2017 04:01	WG1017434
2-Hexanone	U	J0	0.00150	0.0109	1	09/07/2017 04:01	WG1017434
n-Hexane	U	J0	0.000317	0.0109	1	09/07/2017 04:01	WG1017434
Iodomethane	U		0.00276	0.0109	1	09/07/2017 04:01	WG1017434
Isopropylbenzene	U		0.000266	0.00109	1	09/07/2017 04:01	WG1017434
p-Isopropyltoluene	U		0.000223	0.00109	1	09/07/2017 04:01	WG1017434
2-Butanone (MEK)	U	J0	0.00511	0.0109	1	09/07/2017 04:01	WG1017434
Methylene Chloride	U		0.00109	0.00546	1	09/07/2017 04:01	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00205	0.0109	1	09/07/2017 04:01	WG1017434

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

Analyte	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	09/07/2017 04:01	WG1017434
Naphthalene	U		0.00109	0.00546	1	09/07/2017 04:01	WG1017434
n-Propylbenzene	U		0.000225	0.00109	1	09/07/2017 04:01	WG1017434
Styrene	U		0.000256	0.00109	1	09/07/2017 04:01	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	09/07/2017 04:01	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	09/07/2017 04:01	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	09/07/2017 04:01	WG1017434
Tetrachloroethene	U		0.000302	0.00109	1	09/07/2017 04:01	WG1017434
Toluene	U		0.000474	0.00546	1	09/07/2017 04:01	WG1017434
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	09/07/2017 04:01	WG1017434
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	09/07/2017 04:01	WG1017434
1,1,1-Trichloroethane	U		0.000313	0.00109	1	09/07/2017 04:01	WG1017434
1,1,2-Trichloroethane	U		0.000303	0.00109	1	09/07/2017 04:01	WG1017434
Trichloroethene	U		0.000305	0.00109	1	09/07/2017 04:01	WG1017434
Trichlorofluoromethane	U		0.000417	0.00546	1	09/07/2017 04:01	WG1017434
1,2,3-Trichloropropane	U		0.000810	0.00273	1	09/07/2017 04:01	WG1017434
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	09/07/2017 04:01	WG1017434
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	09/07/2017 04:01	WG1017434
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	09/07/2017 04:01	WG1017434
Vinyl acetate	U		0.00261	0.0109	1	09/07/2017 04:01	WG1017434
Vinyl chloride	U		0.000318	0.00109	1	09/07/2017 04:01	WG1017434
Xylenes, Total	U		0.000763	0.00328	1	09/07/2017 04:01	WG1017434
(S) Toluene-d8	*108*			*80.0-120*		*09/07/2017 04:01*	WG1017434
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/07/2017 04:01*	WG1017434
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/07/2017 04:01*	WG1017434

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	09/12/2017 10:20	WG1018910

Volatile Organic Compounds (GC/MS) 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 J3	0.0114	0.0572	1	09/07/2017 04:20	WG1017434
Acrylonitrile	U	J0	0.00205	0.0114	1	09/07/2017 04:20	WG1017434
Benzene	U		0.000309	0.00114	1	09/07/2017 04:20	WG1017434
Bromobenzene	U		0.000325	0.00114	1	09/07/2017 04:20	WG1017434
Bromodichloromethane	U		0.000290	0.00114	1	09/07/2017 04:20	WG1017434
Bromochloromethane	U		0.000446	0.00572	1	09/07/2017 04:20	WG1017434
Bromoform	U		0.000485	0.00114	1	09/07/2017 04:20	WG1017434
Bromomethane	U		0.00153	0.00572	1	09/07/2017 04:20	WG1017434
n-Butylbenzene	U		0.000295	0.00114	1	09/07/2017 04:20	WG1017434
sec-Butylbenzene	U		0.000230	0.00114	1	09/07/2017 04:20	WG1017434
tert-Butylbenzene	U		0.000236	0.00114	1	09/07/2017 04:20	WG1017434
Carbon disulfide	0.00112	J	0.000253	0.00114	1	09/07/2017 04:20	WG1017434
Carbon tetrachloride	U		0.000375	0.00114	1	09/07/2017 04:20	WG1017434
Chlorobenzene	U		0.000242	0.00114	1	09/07/2017 04:20	WG1017434
Chlorodibromomethane	U		0.000427	0.00114	1	09/07/2017 04:20	WG1017434
Chloroethane	U		0.00108	0.00572	1	09/07/2017 04:20	WG1017434
Chloroform	U		0.000262	0.00572	1	09/07/2017 04:20	WG1017434
Chloromethane	U	J0	0.000429	0.00286	1	09/07/2017 04:20	WG1017434
2-Chlorotoluene	U		0.000344	0.00114	1	09/07/2017 04:20	WG1017434
4-Chlorotoluene	U		0.000274	0.00114	1	09/07/2017 04:20	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	09/07/2017 04:20	WG1017434
1,2-Dibromoethane	U		0.000392	0.00114	1	09/07/2017 04:20	WG1017434
Dibromomethane	U		0.000437	0.00114	1	09/07/2017 04:20	WG1017434
1,2-Dichlorobenzene	U		0.000349	0.00114	1	09/07/2017 04:20	WG1017434
1,3-Dichlorobenzene	U		0.000273	0.00114	1	09/07/2017 04:20	WG1017434
1,4-Dichlorobenzene	U		0.000258	0.00114	1	09/07/2017 04:20	WG1017434
Dichlorodifluoromethane	U	J0	0.000815	0.00572	1	09/07/2017 04:20	WG1017434
1,1-Dichloroethane	U		0.000228	0.00114	1	09/07/2017 04:20	WG1017434
1,2-Dichloroethane	U		0.000303	0.00114	1	09/07/2017 04:20	WG1017434
1,1-Dichloroethene	0.00333		0.000346	0.00114	1	09/07/2017 04:20	WG1017434
cis-1,2-Dichloroethene	5.73		0.269	1.14	1000	09/12/2017 16:10	WG1017434
trans-1,2-Dichloroethene	0.00334		0.000302	0.00114	1	09/07/2017 04:20	WG1017434
1,2-Dichloropropane	U		0.000409	0.00114	1	09/07/2017 04:20	WG1017434
1,1-Dichloropropene	U		0.000362	0.00114	1	09/07/2017 04:20	WG1017434
1,3-Dichloropropane	U		0.000237	0.00114	1	09/07/2017 04:20	WG1017434
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	09/07/2017 04:20	WG1017434
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	09/07/2017 04:20	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	09/07/2017 04:20	WG1017434
2,2-Dichloropropane	U		0.000319	0.00114	1	09/07/2017 04:20	WG1017434
Di-isopropyl ether	U		0.000284	0.00114	1	09/07/2017 04:20	WG1017434
Ethylbenzene	U		0.000340	0.00114	1	09/07/2017 04:20	WG1017434
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	09/07/2017 04:20	WG1017434
2-Hexanone	U	J0	0.00157	0.0114	1	09/07/2017 04:20	WG1017434
n-Hexane	0.00116	J J0	0.000332	0.0114	1	09/07/2017 04:20	WG1017434
Iodomethane	U		0.00289	0.0114	1	09/07/2017 04:20	WG1017434
Isopropylbenzene	U		0.000278	0.00114	1	09/07/2017 04:20	WG1017434
p-Isopropyltoluene	U		0.000233	0.00114	1	09/07/2017 04:20	WG1017434
2-Butanone (MEK)	U	J0	0.00535	0.0114	1	09/07/2017 04:20	WG1017434
Methylene Chloride	U		0.00114	0.00572	1	09/07/2017 04:20	WG1017434
4-Methyl-2-pentanone (MIBK)	U	J0	0.00215	0.0114	1	09/07/2017 04:20	WG1017434

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

Analyte	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	09/07/2017 04:20	WG1017434
Naphthalene	U		0.00114	0.00572	1	09/07/2017 04:20	WG1017434
n-Propylbenzene	U		0.000236	0.00114	1	09/07/2017 04:20	WG1017434
Styrene	U		0.000268	0.00114	1	09/07/2017 04:20	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	09/07/2017 04:20	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	09/07/2017 04:20	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	09/07/2017 04:20	WG1017434
Tetrachloroethene	152		0.316	1.14	1000	09/12/2017 16:10	WG1017434
Toluene	0.000702	J	0.000496	0.00572	1	09/07/2017 04:20	WG1017434
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	09/07/2017 04:20	WG1017434
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	09/07/2017 04:20	WG1017434
1,1,1-Trichloroethane	U		0.000327	0.00114	1	09/07/2017 04:20	WG1017434
1,1,2-Trichloroethane	U		0.000317	0.00114	1	09/07/2017 04:20	WG1017434
Trichloroethene	0.150		0.000319	0.00114	1	09/07/2017 04:20	WG1017434
Trichlorofluoromethane	U		0.000437	0.00572	1	09/07/2017 04:20	WG1017434
1,2,3-Trichloropropane	U		0.000847	0.00286	1	09/07/2017 04:20	WG1017434
1,2,4-Trimethylbenzene	0.00113	J	0.000241	0.00114	1	09/07/2017 04:20	WG1017434
1,2,3-Trimethylbenzene	0.000383	J	0.000328	0.00114	1	09/07/2017 04:20	WG1017434
1,3,5-Trimethylbenzene	0.000471	J	0.000304	0.00114	1	09/07/2017 04:20	WG1017434
Vinyl acetate	U		0.00273	0.0114	1	09/07/2017 04:20	WG1017434
Vinyl chloride	0.464	J	0.333	1.14	1000	09/12/2017 16:10	WG1017434
Xylenes, Total	U		0.000798	0.00343	1	09/07/2017 04:20	WG1017434
(S) Toluene-d8	*106*			*80.0-120*		*09/12/2017 16:10*	WG1017434
(S) Toluene-d8	*107*			*80.0-120*		*09/07/2017 04:20*	WG1017434
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/07/2017 04:20*	WG1017434
(S) Dibromofluoromethane	*97.3*			*74.0-131*		*09/12/2017 16:10*	WG1017434
(S) 4-Bromofluorobenzene	*131*			*64.0-132*		*09/07/2017 04:20*	WG1017434
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/12/2017 16:10*	WG1017434

Method Blank (MB)

(MB) R3248482-1 09/11/17 09:58

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

L934911-01 Original Sample (OS) • Duplicate (DUP)

(OS) L934911-01 09/11/17 09:58 • (DUP) R3248482-3 09/11/17 09:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.7	80.9	1	1.44		5

Laboratory Control Sample (LCS)

(LCS) R3248482-2 09/11/17 09:58

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) R3248464-1 09/11/17 14:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000400			

L934130-05 Original Sample (OS) • Duplicate (DUP)

(OS) L934130-05 09/11/17 14:58 • (DUP) R3248464-3 09/11/17 14:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	91.9	91.5	1	0.404		5

Laboratory Control Sample (LCS)

(LCS) R3248464-2 09/11/17 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) R3248816-1 09/12/17 10:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000800			

L934138-01 Original Sample (OS) • Duplicate (DUP)

(OS) L934138-01 09/12/17 10:20 • (DUP) R3248816-3 09/12/17 10:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	91.1	91.4	1	0.395		5

Laboratory Control Sample (LCS)

(LCS) R3248816-2 09/12/17 10:20

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) R3248365-3 09/06/17 23:06

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
1,1-Dichloropropene	U		0.000317	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3248365-3 09/06/17 23:06

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
Naphthalene	U		0.00100	0.00500
Methyl tert-butyl ether	U		0.000212	0.00100
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-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*118*			*80.0-120*
(S) Dibromofluoromethane	*106*			*74.0-131*
(S) 4-Bromofluorobenzene	*107*			*64.0-132*

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

(LCS) R3248365-1 09/06/17 22:07 • (LCSD) R3248365-2 09/06/17 22:27

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	0.0690	0.0523	55.2	41.8	11.0-160		J3	27.6	23
Benzene	0.0250	0.0229	0.0231	91.4	92.2	71.0-124			0.890	20
Acrylonitrile	0.125	0.0940	0.0855	75.2	68.4	61.0-143			9.42	20
Bromodichloromethane	0.0250	0.0255	0.0251	102	100	75.0-120			1.43	20
Bromobenzene	0.0250	0.0241	0.0246	96.6	98.6	78.0-120			2.06	20
Bromoform	0.0250	0.0258	0.0250	103	100	65.0-133			3.29	20
Bromochloromethane	0.0250	0.0260	0.0251	104	101	80.0-121			3.51	20
Bromomethane	0.0250	0.0202	0.0202	80.8	80.6	26.0-160			0.170	20
n-Butylbenzene	0.0250	0.0240	0.0247	95.9	98.7	73.0-126			2.84	20
sec-Butylbenzene	0.0250	0.0253	0.0256	101	102	75.0-121			1.10	20
Carbon tetrachloride	0.0250	0.0213	0.0213	85.3	85.2	66.0-123			0.100	20
tert-Butylbenzene	0.0250	0.0244	0.0248	97.6	99.3	74.0-122			1.77	20
Carbon disulfide	0.0250	0.0230	0.0230	92.0	92.0	53.0-130			0.0700	20
Chlorobenzene	0.0250	0.0258	0.0266	103	106	79.0-121			3.06	20
Chlorodibromomethane	0.0250	0.0255	0.0253	102	101	74.0-128			0.550	20
Chloroethane	0.0250	0.0214	0.0211	85.7	84.2	51.0-147			1.73	20
Chloroform	0.0250	0.0237	0.0237	95.0	94.7	73.0-123			0.260	20
Chloromethane	0.0250	0.0171	0.0171	68.3	68.6	51.0-138			0.390	20
2-Chlorotoluene	0.0250	0.0247	0.0252	99.0	101	72.0-124			1.75	20
4-Chlorotoluene	0.0250	0.0240	0.0246	96.2	98.4	78.0-120			2.31	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0237	0.0221	94.8	88.5	65.0-126			6.93	20
1,2-Dibromoethane	0.0250	0.0279	0.0269	112	108	78.0-122			3.79	20
1,2-Dichlorobenzene	0.0250	0.0243	0.0244	97.3	97.6	80.0-120			0.340	20
1,3-Dichlorobenzene	0.0250	0.0242	0.0246	97.0	98.4	72.0-123			1.45	20
Dibromomethane	0.0250	0.0227	0.0219	91.0	87.4	79.0-120			3.96	20
1,4-Dichlorobenzene	0.0250	0.0242	0.0246	96.6	98.2	77.0-120			1.65	20
Dichlorodifluoromethane	0.0250	0.0170	0.0164	67.8	65.6	49.0-155			3.33	20
trans-1,4-Dichloro-2-butene	0.0250	0.0235	0.0211	93.9	84.5	68.0-126			10.6	20
1,1-Dichloroethane	0.0250	0.0235	0.0238	94.2	95.4	70.0-128			1.24	20
1,2-Dichloroethane	0.0250	0.0248	0.0240	99.3	96.0	69.0-128			3.43	20
1,1-Dichloroethene	0.0250	0.0229	0.0230	91.7	92.2	63.0-131			0.530	20
cis-1,2-Dichloroethene	0.0250	0.0238	0.0238	95.2	95.3	74.0-123			0.100	20
trans-1,2-Dichloroethene	0.0250	0.0245	0.0243	97.9	97.4	72.0-122			0.560	20
1,2-Dichloropropane	0.0250	0.0239	0.0234	95.8	93.5	75.0-126			2.38	20
1,1-Dichloropropene	0.0250	0.0233	0.0232	93.1	92.9	72.0-130			0.230	20
cis-1,3-Dichloropropene	0.0250	0.0287	0.0291	115	116	80.0-125			1.24	20
1,3-Dichloropropane	0.0250	0.0258	0.0251	103	100	80.0-121			2.52	20
trans-1,3-Dichloropropene	0.0250	0.0276	0.0277	110	111	75.0-129			0.390	20
2,2-Dichloropropane	0.0250	0.0195	0.0196	77.8	78.4	60.0-129			0.680	20
Di-isopropyl ether	0.0250	0.0204	0.0197	81.7	79.0	62.0-133			3.34	20

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

(LCS) R3248365-1 09/06/17 22:07 • (LCSD) R3248365-2 09/06/17 22:27

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	0.0255	0.0261	102	104	77.0-120			2.31	20
Hexachloro-1,3-butadiene	0.0250	0.0266	0.0274	106	110	68.0-128			2.96	20
2-Hexanone	0.125	0.0993	0.0880	79.4	70.4	61.0-143			12.1	20
n-Hexane	0.0250	0.0199	0.0196	79.6	78.6	57.0-125			1.35	20
Iodomethane	0.125	0.123	0.121	98.6	97.1	67.0-132			1.52	20
2-Butanone (MEK)	0.125	0.0805	0.0677	64.4	54.2	37.0-159			17.2	20
Isopropylbenzene	0.0250	0.0243	0.0248	97.4	99.0	75.0-120			1.66	20
Methylene Chloride	0.0250	0.0224	0.0221	89.4	88.6	67.0-123			0.920	20
p-Isopropyltoluene	0.0250	0.0262	0.0265	105	106	74.0-125			1.33	20
4-Methyl-2-pentanone (MIBK)	0.125	0.104	0.0951	82.9	76.1	60.0-144			8.56	20
Methyl tert-butyl ether	0.0250	0.0207	0.0194	82.7	77.7	66.0-125			6.34	20
Naphthalene	0.0250	0.0251	0.0244	101	97.4	64.0-125			3.16	20
1,1,2,2-Tetrachloroethane	0.0250	0.0238	0.0220	95.4	88.0	73.0-120			8.06	20
n-Propylbenzene	0.0250	0.0250	0.0252	100	101	78.0-120			0.900	20
Tetrachloroethene	0.0250	0.0282	0.0291	113	116	70.0-127			3.05	20
Styrene	0.0250	0.0274	0.0277	110	111	78.0-124			1.12	20
1,1,1,2-Tetrachloroethane	0.0250	0.0234	0.0235	93.7	93.9	74.0-124			0.250	20
Toluene	0.0250	0.0248	0.0255	99.2	102	77.0-120			2.67	20
1,1,1-Trichloroethane	0.0250	0.0225	0.0223	90.2	89.4	69.0-125			0.900	20
1,1,2-Trichloroethane	0.0250	0.0253	0.0253	101	101	78.0-120			0.000	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0211	0.0211	84.5	84.2	64.0-135			0.350	20
1,2,3-Trichlorobenzene	0.0250	0.0266	0.0265	106	106	68.0-126			0.240	20
Trichloroethene	0.0250	0.0240	0.0240	96.0	95.9	79.0-120			0.130	20
1,2,4-Trichlorobenzene	0.0250	0.0241	0.0251	96.5	101	70.0-127			4.18	20
Trichlorofluoromethane	0.0250	0.0221	0.0217	88.6	86.7	59.0-136			2.17	20
1,2,3-Trichloropropane	0.0250	0.0237	0.0222	94.8	88.9	73.0-124			6.37	20
1,2,3-Trimethylbenzene	0.0250	0.0226	0.0227	90.3	90.8	76.0-120			0.580	20
1,2,4-Trimethylbenzene	0.0250	0.0242	0.0242	96.7	96.7	75.0-120			0.0200	20
Vinyl chloride	0.0250	0.0204	0.0206	81.5	82.4	63.0-134			1.07	20
1,3,5-Trimethylbenzene	0.0250	0.0250	0.0254	100	102	75.0-120			1.61	20
Xylenes, Total	0.0750	0.0764	0.0774	102	103	77.0-120			1.30	20
Vinyl acetate	0.125	0.119	0.112	95.5	89.2	58.0-156			6.79	20
(S) Toluene-d8				*113*	*115*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*103*	*74.0-131*				
(S) 4-Bromofluorobenzene				*104*	*104*	*64.0-132*				

L934152-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L934152-01 09/07/17 06:38 • (MS) R3248365-4 09/07/17 07:48 • (MSD) R3248365-5 09/07/17 08:08

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	0.466	0.565	14.9	18.1	25	10.0-160			19.3	36
Benzene	0.0250	ND	0.220	0.267	35.2	42.7	25	13.0-146			19.3	27
Bromodichloromethane	0.0250	ND	0.227	0.268	36.3	42.9	25	15.0-142			16.5	28
Acrylonitrile	0.125	ND	0.873	1.10	27.9	35.3	25	14.0-160			23.2	33
Bromoform	0.0250	ND	0.220	0.259	35.2	41.4	25	10.0-147			16.2	31
Bromobenzene	0.0250	ND	0.225	0.269	36.0	43.0	25	10.0-149			17.7	33
Bromomethane	0.0250	ND	0.0961	0.112	15.4	17.9	25	10.0-160			15.3	32
Bromochloromethane	0.0250	ND	0.242	0.298	38.8	47.7	25	24.0-146			20.8	27
Carbon tetrachloride	0.0250	ND	0.200	0.248	31.9	39.6	25	13.0-140			21.4	30
n-Butylbenzene	0.0250	ND	0.237	0.290	37.9	46.5	25	10.0-154			20.2	37
Chlorobenzene	0.0250	ND	0.240	0.284	38.5	45.4	25	10.0-149			16.5	31
sec-Butylbenzene	0.0250	ND	0.238	0.291	38.1	46.6	25	10.0-151			19.9	36
Chlorodibromomethane	0.0250	ND	0.220	0.268	35.2	42.9	25	12.0-147			19.8	29
tert-Butylbenzene	0.0250	ND	0.225	0.277	36.0	44.4	25	10.0-152			20.7	35
Carbon disulfide	0.0250	ND	0.217	0.268	34.7	43.0	25	10.0-141			21.2	30
Chloroethane	0.0250	ND	0.0469	0.0550	7.50	8.80	25	10.0-159	J6	J6	15.9	33
Chloroform	0.0250	ND	0.226	0.283	36.2	45.3	25	18.0-148			22.4	28
Chloromethane	0.0250	ND	0.183	0.220	29.2	35.3	25	10.0-146			18.8	29
2-Chlorotoluene	0.0250	ND	0.233	0.280	37.3	44.8	25	10.0-151			18.3	35
1,2-Dichlorobenzene	0.0250	ND	0.231	0.280	36.9	44.8	25	10.0-153			19.3	34
4-Chlorotoluene	0.0250	ND	0.224	0.270	35.9	43.2	25	10.0-150			18.5	35
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.209	0.264	33.5	42.2	25	10.0-149			22.9	34
1,3-Dichlorobenzene	0.0250	ND	0.224	0.271	35.8	43.4	25	10.0-150			19.3	35
1,2-Dibromoethane	0.0250	ND	0.245	0.283	39.1	45.4	25	14.0-145			14.7	28
1,4-Dichlorobenzene	0.0250	ND	0.224	0.273	35.9	43.7	25	10.0-148			19.6	34
Dibromomethane	0.0250	ND	0.206	0.248	33.0	39.8	25	18.0-144			18.6	27
Dichlorodifluoromethane	0.0250	ND	0.204	0.232	32.7	37.2	25	10.0-160			12.8	30
1,1-Dichloroethane	0.0250	ND	0.228	0.281	36.4	45.0	25	19.0-148			20.9	28
1,2-Dichloroethane	0.0250	ND	0.234	0.282	37.4	45.1	25	17.0-147			18.6	27
trans-1,4-Dichloro-2-butene	0.0250	ND	0.190	0.217	30.4	34.7	25	10.0-160			13.3	40
1,1-Dichloroethene	0.0250	ND	0.245	0.306	39.2	49.0	25	10.0-150			22.2	31
cis-1,2-Dichloroethene	0.0250	ND	0.224	0.284	35.8	45.4	25	16.0-145			23.6	28
trans-1,2-Dichloroethene	0.0250	ND	0.224	0.288	35.8	46.1	25	11.0-142			25.2	29
1,2-Dichloropropane	0.0250	ND	0.222	0.255	35.5	40.9	25	17.0-148			14.0	28
cis-1,3-Dichloropropene	0.0250	ND	0.253	0.300	40.4	48.0	25	13.0-150			17.1	28
trans-1,3-Dichloropropene	0.0250	ND	0.242	0.281	38.8	45.0	25	10.0-152			14.9	29
1,1-Dichloropropene	0.0250	ND	0.214	0.272	34.3	43.5	25	10.0-150			23.7	30
1,3-Dichloropropane	0.0250	ND	0.235	0.267	37.6	42.7	25	16.0-148			12.8	27
Di-isopropyl ether	0.0250	ND	0.197	0.244	31.5	39.0	25	16.0-149			21.1	28
Ethylbenzene	0.0250	ND	0.237	0.286	38.0	45.8	25	10.0-147			18.6	31

L934152-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L934152-01 09/07/17 06:38 • (MS) R3248365-4 09/07/17 07:48 • (MSD) R3248365-5 09/07/17 08:08

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 %
2,2-Dichloropropane	0.0250	ND	0.191	0.233	30.5	37.2	25	16.0-143			19.7	30
Hexachloro-1,3-butadiene	0.0250	ND	0.276	0.333	44.2	53.3	25	10.0-154			18.6	40
2-Hexanone	0.125	ND	0.762	0.899	24.4	28.8	25	12.0-158			16.5	30
2-Butanone (MEK)	0.125	ND	0.627	0.791	20.1	25.3	25	10.0-160			23.0	33
n-Hexane	0.0250	ND	0.177	0.217	28.3	34.7	25	10.0-140			20.2	34
Iodomethane	0.125	ND	1.24	1.53	39.5	48.9	25	10.0-157			21.1	34
Methylene Chloride	0.0250	ND	0.221	0.268	35.4	42.9	25	16.0-139			19.2	29
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.854	1.03	27.3	33.1	25	12.0-160			19.1	32
Isopropylbenzene	0.0250	ND	0.225	0.276	36.0	44.1	25	10.0-147			20.4	33
Methyl tert-butyl ether	0.0250	ND	0.195	0.244	31.1	39.0	25	21.0-145			22.4	29
p-Isopropyltoluene	0.0250	ND	0.250	0.305	40.0	48.8	25	10.0-156			19.9	37
1,1,2,2-Tetrachloroethane	0.0250	ND	0.209	0.259	33.4	41.4	25	10.0-155			21.3	31
Naphthalene	0.0250	ND	0.248	0.305	39.7	48.8	25	10.0-153			20.6	36
Tetrachloroethene	0.0250	ND	0.255	0.297	39.6	46.3	25	10.0-144			15.1	32
n-Propylbenzene	0.0250	ND	0.232	0.285	37.1	45.5	25	10.0-151			20.4	34
Toluene	0.0250	ND	0.240	0.282	35.3	41.9	25	10.0-144			15.9	28
Styrene	0.0250	ND	0.252	0.305	40.3	48.7	25	10.0-155			19.0	34
1,1,1,2-Tetrachloroethane	0.0250	ND	0.218	0.262	34.8	41.9	25	10.0-147			18.3	30
1,1,1-Trichloroethane	0.0250	ND	0.212	0.268	34.0	42.9	25	18.0-145			23.2	29
1,1,2-Trichloroethane	0.0250	ND	0.221	0.266	35.4	42.6	25	12.0-151			18.5	28
Trichloroethene	0.0250	ND	0.217	0.261	34.8	41.7	25	11.0-148			18.2	29
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.231	0.280	36.9	44.9	25	10.0-153			19.4	33
Trichlorofluoromethane	0.0250	ND	0.142	0.151	22.8	24.1	25	10.0-157			5.66	34
1,2,3-Trichlorobenzene	0.0250	ND	0.269	0.331	43.1	52.9	25	10.0-153			20.4	40
1,2,4-Trichlorobenzene	0.0250	ND	0.251	0.309	40.2	49.4	25	10.0-156			20.5	40
1,2,3-Trichloropropane	0.0250	ND	0.207	0.255	33.1	40.8	25	10.0-154			20.7	32
Vinyl chloride	0.0250	ND	0.203	0.250	32.4	40.0	25	10.0-150			20.9	29
1,2,3-Trimethylbenzene	0.0250	ND	0.230	0.278	34.8	42.5	25	10.0-150			18.9	33
Xylenes, Total	0.0750	ND	0.762	0.887	38.0	44.7	25	10.0-150			15.2	31
1,2,4-Trimethylbenzene	0.0250	0.0346	0.268	0.317	37.4	45.3	25	10.0-151			16.8	34
1,3,5-Trimethylbenzene	0.0250	ND	0.246	0.292	37.9	45.3	25	10.0-150			17.2	33
Vinyl acetate	0.125	ND	1.02	1.25	32.7	40.0	25	10.0-160			20.1	40
(S) Toluene-d8					*115*	*111*		*80.0-120*				
(S) Dibromofluoromethane					*104*	*110*		*74.0-131*				
(S) 4-Bromofluorobenzene					*106*	*107*		*64.0-132*				

Sample Narrative:

OS: Stir bars received improperly prepped.

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.
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.

State Accreditations

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

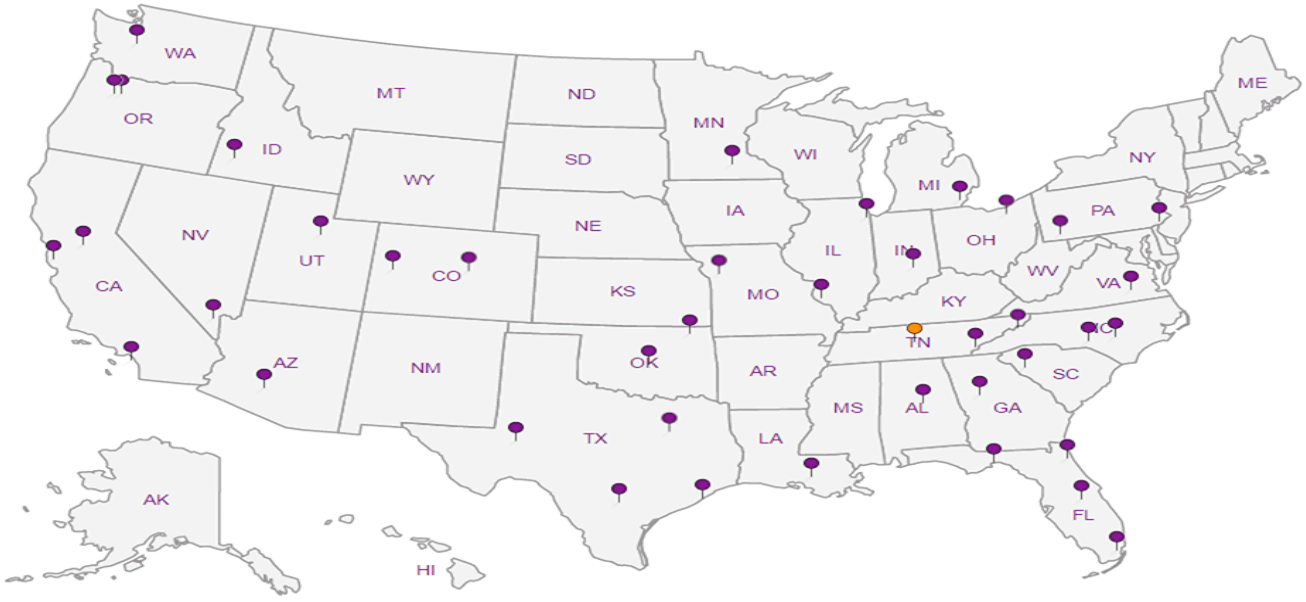
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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**

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

Project Description: **American Linen Project**

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # **PESENVSWA-ALP**

Collected by (print): SHANNON McKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B-213-15	GRAB	SS	15	9/5/17	1050	4			X	X			-01
B-213-21.5		~~SS~~ GW	21.5		1120	4			X	X			-02
B-213-25		~~SS~~ GW	25		1135	4			X	X		HOLD	
B-213-35		~~SS~~ GW	35		1150	4			X	X			-03
B-213-45		SS	45		1255	4			X	X			-04
B-213-55		SS	55		1405	4			X	X			-05
B-217-15		SS	15		1430	4			X	X			-06
B-217-25		SS	25		1500	4			X	X			-07
B-217-35		SS	35		1515	4			X	X			-08
B-213-65		SS	65		1530	4			X	X			-09

Analysis / Container / Preservative

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 7474 0921 0263

Chain of Custody Page 1 of 2

ESC LABORATORY SCIENCES
a subsidiary of Accutest

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

L# 934130

D093

Acctnum: **PESENVSWA**
Template: **T126584**
Prelogin: **P613271**
TSR: **110 - Brian Ford**
PB:
Shipped Via: **FedEx Ground**

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	9/5/17	1645	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Chris Ward

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

Temp: .9 °C Bottles Received: 52

Date: 9/6/17 Time: 0845

If preservation required by Login: Date/Time

09-001

Condition: NCF / OK

PES Environmental, Inc.- WA

1215 Fourth Ave., Suite 1350
Seattle, WA 98161

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

Pres Chk

Report to: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B-213-65	GRAB	SS	65	9/5/17	1545	~~4~~ 5	~~X~~		X	X			-10
B-217-45	↓	SS	45	↓	1540	~~4~~ 5	~~X~~		X	X		HOLD	
B-217-42	↓	SS	42	↓	1550	~~4~~ 5	~~X~~		X	X			-11
B-		SS				5	X		X	X			~~-12~~
B-		SS				5	X		X	X			
B-		SS				5	X		X	X			
B-		SS				5	X		X	X			
B-		GW				6		X			X		
B-		GW				6		X			X		
B-		GW				6		X			X		

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 #

Table #

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
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 __ FedEx __ Courier __ _____

Tracking # Sac

Sample Receipt Checklist
COC Seal Present/Intact: __NP X 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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	9/5/17	1645		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.9 °C Bottles Received: 52
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/6/17 Time: 0845
				Hold:

Condition: NCF / OK

Brian Ford

From: Bill Haldeman <bhaldeman@pesenv.com>
Sent: Thursday, September 07, 2017 6:11 PM
To: Brian Ford
Subject: RE: ESC Lab Sciences Login for 1413.001.02.602 American Linen Project L934130

Brian, we mistakenly labeled the depth for sample L934130-10 as 65 feet. It should be 75 feet, resulting in a sample designation of B-213-75. Can you make that change? I apologize for our error. Thanks! -Bill

-----Original Message-----
From: Brian Ford [mailto:bford@esclabsciences.com]
Sent: Wednesday, September 06, 2017 4:55 PM
To: Bill Haldeman <bhaldeman@pesenv.com>
Subject: ESC Lab Sciences Login for 1413.001.02.602 American Linen Project L934130

Thank you for choosing ESC Lab Sciences! Please find enclosed PDF files containing your laboratory login confirmation and chain of custody.

ESC is leading the laboratory industry with our On-line Data Management tools. Please contact your Technical Service Representative to learn how to create historical Excel tables or access data in real time using powerful and intuitive software that is only available at http://www.esclabsciences.com.

Visit ESC's secure data management web site - myESC - for all your reporting and data management needs at https://linkprotect.cudasvc.com/url?a=http://www.esclabsciences.com/login&c=E,1,FAywHFexOjKfrqksQ5pC-l1YASCB1A9uKOCqYivhTK1JboTO8oBwDBrG0tk4ChMxswB6O85j13regSG2SiR6nzp2x__qInjze5TemJIrqWEyDoE5lUQ,&typo=1

ESC ... "Your Lab of Choice"

Brian Ford
Technical Service Representative
615-773-9772

ESC Lab Sciences
12065 Lebanon Rd.
Mt. Juliet, TN 37122

MEMORANDUM

TO: Project File **DATE:** October 12, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 5, 2017 – Soil Samples

LAB: ESC Lab ID L934130

Thirteen (13) soil samples were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 5, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. Two soils were placed on hold. 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.

The results are reported in ESC Sample Delivery Group (SDG) L934130. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L934130 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 with the following discussion:

- Chain of custody sample B-213-**65** (collected on September 5, 2017 at 15:45) was corrected to read B-213-**75** per PES's request.

Sample Collection and Preservation

Samples were collected on September 5, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 0.8 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils from the date of sample collection. All holding time criteria were met.

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, acrylonitrile, chloromethane, dichlorodifluoromethane, 2-hexanone, n-hexane, 2-butanone (MEK), and 4-methyl-2-pentanone (MIBK) associated with analytical batch WG1017434 (analyzed on September 7, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

Total Solids by SM 2540 G 2011:
Laboratory method blank was 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:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate samples were not collected. Refer to spike data for precision and accuracy data.

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 two non-client samples, and on client sample B-213-55. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses with the following exception:

- Surrogate 4-bromofluorobenzene percent recovery for sample B-213-21.5 is above laboratory acceptance criteria. **For sample B-213-21.5 all detected halogenated benzene results associated with the surrogate are estimated and qualified (J) due to the elevated surrogate recovery.**

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 soils with the following exception:

- LCS/LCSD (Batch WG1017434) RPD result for acetone is above laboratory acceptance criteria (20%) and qualified by the laboratory (J3). No action was taken on this basis as MS/MSD percent recovery results are recovered wide but are within control limits.

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 within one of the analytical batches. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils with the following exceptions:

- MS/MSD (Batch WG1017434) recoveries for chloroethane are low, below laboratory acceptance criteria, and qualified (J6) by the laboratory to indicate matrix interference. No action is taken since this spike was performed on a non-client sample within the analytical batch and LCS/LCSD results for chloroethane are acceptable.

Other Quality Control Issues

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

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	09/11/2017 09:58	WG1018605

Volatile Organic Compounds (GC/MS) 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 J3	0.0116	0.0579	1	09/07/2017 01:02	WG1017434
Acrylonitrile	U UJ	J0	0.00207	0.0116	1	09/07/2017 01:02	WG1017434
Benzene	U		0.000313	0.00116	1	09/07/2017 01:02	WG1017434
Bromobenzene	U		0.000329	0.00116	1	09/07/2017 01:02	WG1017434
Bromodichloromethane	U		0.000294	0.00116	1	09/07/2017 01:02	WG1017434
Bromochloromethane	U		0.000452	0.00579	1	09/07/2017 01:02	WG1017434
Bromoform	U		0.000491	0.00116	1	09/07/2017 01:02	WG1017434
Bromomethane	U		0.00155	0.00579	1	09/07/2017 01:02	WG1017434
n-Butylbenzene	U		0.000299	0.00116	1	09/07/2017 01:02	WG1017434
sec-Butylbenzene	U		0.000233	0.00116	1	09/07/2017 01:02	WG1017434
tert-Butylbenzene	U		0.000239	0.00116	1	09/07/2017 01:02	WG1017434
Carbon disulfide	U		0.000256	0.00116	1	09/07/2017 01:02	WG1017434
Carbon tetrachloride	U		0.000380	0.00116	1	09/07/2017 01:02	WG1017434
Chlorobenzene	U		0.000246	0.00116	1	09/07/2017 01:02	WG1017434
Chlorodibromomethane	U		0.000432	0.00116	1	09/07/2017 01:02	WG1017434
Chloroethane	U		0.00110	0.00579	1	09/07/2017 01:02	WG1017434
Chloroform	U		0.000265	0.00579	1	09/07/2017 01:02	WG1017434
Chloromethane	U UJ	J0	0.000435	0.00290	1	09/07/2017 01:02	WG1017434
2-Chlorotoluene	U		0.000349	0.00116	1	09/07/2017 01:02	WG1017434
4-Chlorotoluene	U		0.000278	0.00116	1	09/07/2017 01:02	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	09/07/2017 01:02	WG1017434
1,2-Dibromoethane	U		0.000397	0.00116	1	09/07/2017 01:02	WG1017434
Dibromomethane	U		0.000443	0.00116	1	09/07/2017 01:02	WG1017434
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/07/2017 01:02	WG1017434
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/07/2017 01:02	WG1017434
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/07/2017 01:02	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000826	0.00579	1	09/07/2017 01:02	WG1017434
1,1-Dichloroethane	U		0.000231	0.00116	1	09/07/2017 01:02	WG1017434
1,2-Dichloroethane	U		0.000307	0.00116	1	09/07/2017 01:02	WG1017434
1,1-Dichloroethene	U		0.000351	0.00116	1	09/07/2017 01:02	WG1017434
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	09/07/2017 01:02	WG1017434
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/07/2017 01:02	WG1017434
1,2-Dichloropropane	U		0.000415	0.00116	1	09/07/2017 01:02	WG1017434
1,1-Dichloropropene	U		0.000367	0.00116	1	09/07/2017 01:02	WG1017434
1,3-Dichloropropane	U		0.000240	0.00116	1	09/07/2017 01:02	WG1017434
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/07/2017 01:02	WG1017434
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/07/2017 01:02	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000902	0.00290	1	09/07/2017 01:02	WG1017434
2,2-Dichloropropane	U		0.000323	0.00116	1	09/07/2017 01:02	WG1017434
Di-isopropyl ether	U		0.000287	0.00116	1	09/07/2017 01:02	WG1017434
Ethylbenzene	U		0.000344	0.00116	1	09/07/2017 01:02	WG1017434
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/07/2017 01:02	WG1017434
2-Hexanone	U UJ	J0	0.00159	0.0116	1	09/07/2017 01:02	WG1017434
n-Hexane	U UJ	J0	0.000336	0.0116	1	09/07/2017 01:02	WG1017434
Iodomethane	U		0.00293	0.0116	1	09/07/2017 01:02	WG1017434
Isopropylbenzene	U		0.000282	0.00116	1	09/07/2017 01:02	WG1017434
p-Isopropyltoluene	U		0.000236	0.00116	1	09/07/2017 01:02	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00542	0.0116	1	09/07/2017 01:02	WG1017434
Methylene Chloride	U		0.00116	0.00579	1	09/07/2017 01:02	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00218	0.0116	1	09/07/2017 01:02	WG1017434

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

Analyte	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	09/07/2017 01:02	WG1017434
Naphthalene	U		0.00116	0.00579	1	09/07/2017 01:02	WG1017434
n-Propylbenzene	U		0.000239	0.00116	1	09/07/2017 01:02	WG1017434
Styrene	U		0.000271	0.00116	1	09/07/2017 01:02	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/07/2017 01:02	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/07/2017 01:02	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/07/2017 01:02	WG1017434
Tetrachloroethene	0.00289		0.000320	0.00116	1	09/07/2017 01:02	WG1017434
Toluene	U		0.000503	0.00579	1	09/07/2017 01:02	WG1017434
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/07/2017 01:02	WG1017434
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/07/2017 01:02	WG1017434
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/07/2017 01:02	WG1017434
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/07/2017 01:02	WG1017434
Trichloroethene	U		0.000323	0.00116	1	09/07/2017 01:02	WG1017434
Trichlorofluoromethane	U		0.000443	0.00579	1	09/07/2017 01:02	WG1017434
1,2,3-Trichloropropane	U		0.000859	0.00290	1	09/07/2017 01:02	WG1017434
1,2,4-Trimethylbenzene	0.000365 J	J	0.000245	0.00116	1	09/07/2017 01:02	WG1017434
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/07/2017 01:02	WG1017434
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/07/2017 01:02	WG1017434
Vinyl acetate	U		0.00277	0.0116	1	09/07/2017 01:02	WG1017434
Vinyl chloride	U		0.000337	0.00116	1	09/07/2017 01:02	WG1017434
Xylenes, Total	U		0.000809	0.00348	1	09/07/2017 01:02	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 01:02*	WG1017434
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/07/2017 01:02*	WG1017434
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/07/2017 01:02*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	09/11/2017 09:58	WG1018605

Volatile Organic Compounds (GC/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 J3	0.0104	0.0521	1	09/07/2017 01:22	WG1017434
Acrylonitrile	U UJ	J0	0.00187	0.0104	1	09/07/2017 01:22	WG1017434
Benzene	0.000385 J	J	0.000281	0.00104	1	09/07/2017 01:22	WG1017434
Bromobenzene	U		0.000296	0.00104	1	09/07/2017 01:22	WG1017434
Bromodichloromethane	U		0.000265	0.00104	1	09/07/2017 01:22	WG1017434
Bromochloromethane	U		0.000406	0.00521	1	09/07/2017 01:22	WG1017434
Bromoform	U		0.000442	0.00104	1	09/07/2017 01:22	WG1017434
Bromomethane	U		0.00140	0.00521	1	09/07/2017 01:22	WG1017434
n-Butylbenzene	0.00519 J		0.000269	0.00104	1	09/07/2017 01:22	WG1017434
sec-Butylbenzene	0.00362 J		0.000209	0.00104	1	09/07/2017 01:22	WG1017434
tert-Butylbenzene	U		0.000215	0.00104	1	09/07/2017 01:22	WG1017434
Carbon disulfide	0.000932 J	J	0.000230	0.00104	1	09/07/2017 01:22	WG1017434
Carbon tetrachloride	U		0.000342	0.00104	1	09/07/2017 01:22	WG1017434
Chlorobenzene	U		0.000221	0.00104	1	09/07/2017 01:22	WG1017434
Chlorodibromomethane	U		0.000389	0.00104	1	09/07/2017 01:22	WG1017434
Chloroethane	U		0.000986	0.00521	1	09/07/2017 01:22	WG1017434
Chloroform	U		0.000239	0.00521	1	09/07/2017 01:22	WG1017434
Chloromethane	U UJ	J0	0.000391	0.00261	1	09/07/2017 01:22	WG1017434
2-Chlorotoluene	U		0.000314	0.00104	1	09/07/2017 01:22	WG1017434
4-Chlorotoluene	U		0.000250	0.00104	1	09/07/2017 01:22	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00109	0.00521	1	09/07/2017 01:22	WG1017434
1,2-Dibromoethane	U		0.000357	0.00104	1	09/07/2017 01:22	WG1017434
Dibromomethane	U		0.000398	0.00104	1	09/07/2017 01:22	WG1017434
1,2-Dichlorobenzene	U		0.000318	0.00104	1	09/07/2017 01:22	WG1017434
1,3-Dichlorobenzene	U		0.000249	0.00104	1	09/07/2017 01:22	WG1017434
1,4-Dichlorobenzene	U		0.000236	0.00104	1	09/07/2017 01:22	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000743	0.00521	1	09/07/2017 01:22	WG1017434
1,1-Dichloroethane	U		0.000207	0.00104	1	09/07/2017 01:22	WG1017434
1,2-Dichloroethane	U		0.000276	0.00104	1	09/07/2017 01:22	WG1017434
1,1-Dichloroethene	U		0.000316	0.00104	1	09/07/2017 01:22	WG1017434
cis-1,2-Dichloroethene	U		0.000245	0.00104	1	09/07/2017 01:22	WG1017434
trans-1,2-Dichloroethene	U		0.000275	0.00104	1	09/07/2017 01:22	WG1017434
1,2-Dichloropropane	U		0.000373	0.00104	1	09/07/2017 01:22	WG1017434
1,1-Dichloropropene	U		0.000330	0.00104	1	09/07/2017 01:22	WG1017434
1,3-Dichloropropane	U		0.000216	0.00104	1	09/07/2017 01:22	WG1017434
cis-1,3-Dichloropropene	U		0.000273	0.00104	1	09/07/2017 01:22	WG1017434
trans-1,3-Dichloropropene	U		0.000278	0.00104	1	09/07/2017 01:22	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000811	0.00261	1	09/07/2017 01:22	WG1017434
2,2-Dichloropropane	U		0.000291	0.00104	1	09/07/2017 01:22	WG1017434
Di-isopropyl ether	U		0.000258	0.00104	1	09/07/2017 01:22	WG1017434
Ethylbenzene	0.000991 J	J	0.000309	0.00104	1	09/07/2017 01:22	WG1017434
Hexachloro-1,3-butadiene	U		0.000356	0.00104	1	09/07/2017 01:22	WG1017434
2-Hexanone	U UJ	J0	0.00143	0.0104	1	09/07/2017 01:22	WG1017434
n-Hexane	0.0375 J	J0	0.000302	0.0104	1	09/07/2017 01:22	WG1017434
Iodomethane	U		0.00264	0.0104	1	09/07/2017 01:22	WG1017434
Isopropylbenzene	0.00198 J		0.000253	0.00104	1	09/07/2017 01:22	WG1017434
p-Isopropyltoluene	0.00445 J		0.000213	0.00104	1	09/07/2017 01:22	WG1017434
2-Butanone (MEK)	0.00736 J	J J0	0.00488	0.0104	1	09/07/2017 01:22	WG1017434
Methylene Chloride	U		0.00104	0.00521	1	09/07/2017 01:22	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00196	0.0104	1	09/07/2017 01:22	WG1017434

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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		0.000221	0.00104	1	09/07/2017 01:22	WG1017434
Naphthalene	0.0239 J		0.00104	0.00521	1	09/07/2017 01:22	WG1017434
n-Propylbenzene	0.00457 J		0.000215	0.00104	1	09/07/2017 01:22	WG1017434
Styrene	U		0.000244	0.00104	1	09/07/2017 01:22	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000275	0.00104	1	09/07/2017 01:22	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000380	0.00104	1	09/07/2017 01:22	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000380	0.00104	1	09/07/2017 01:22	WG1017434
Tetrachloroethene	0.00263		0.000288	0.00104	1	09/07/2017 01:22	WG1017434
Toluene	0.000540 J	J	0.000452	0.00521	1	09/07/2017 01:22	WG1017434
1,2,3-Trichlorobenzene	U		0.000319	0.00104	1	09/07/2017 01:22	WG1017434
1,2,4-Trichlorobenzene	U		0.000404	0.00104	1	09/07/2017 01:22	WG1017434
1,1,1-Trichloroethane	U		0.000298	0.00104	1	09/07/2017 01:22	WG1017434
1,1,2-Trichloroethane	U		0.000289	0.00104	1	09/07/2017 01:22	WG1017434
Trichloroethene	U		0.000291	0.00104	1	09/07/2017 01:22	WG1017434
Trichlorofluoromethane	U		0.000398	0.00521	1	09/07/2017 01:22	WG1017434
1,2,3-Trichloropropane	U		0.000772	0.00261	1	09/07/2017 01:22	WG1017434
1,2,4-Trimethylbenzene	0.0661 J		0.000220	0.00104	1	09/07/2017 01:22	WG1017434
1,2,3-Trimethylbenzene	0.0392 J		0.000299	0.00104	1	09/07/2017 01:22	WG1017434
1,3,5-Trimethylbenzene	0.0155 J		0.000277	0.00104	1	09/07/2017 01:22	WG1017434
Vinyl acetate	U		0.00249	0.0104	1	09/07/2017 01:22	WG1017434
Vinyl chloride	U		0.000303	0.00104	1	09/07/2017 01:22	WG1017434
Xylenes, Total	0.0126 J		0.000727	0.00313	1	09/07/2017 01:22	WG1017434
(S) Toluene-d8	*105*			*80.0-120*		*09/07/2017 01:22*	WG1017434
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/07/2017 01:22*	WG1017434
(S) 4-Bromofluorobenzene	*152*	J1		*64.0-132*		*09/07/2017 01:22*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0108	0.0541	1	09/07/2017 01:42	WG1017434
Acrylonitrile	U UJ	J0	0.00194	0.0108	1	09/07/2017 01:42	WG1017434
Benzene	U		0.000292	0.00108	1	09/07/2017 01:42	WG1017434
Bromobenzene	U		0.000307	0.00108	1	09/07/2017 01:42	WG1017434
Bromodichloromethane	U		0.000275	0.00108	1	09/07/2017 01:42	WG1017434
Bromochloromethane	U		0.000422	0.00541	1	09/07/2017 01:42	WG1017434
Bromoform	U		0.000459	0.00108	1	09/07/2017 01:42	WG1017434
Bromomethane	U		0.00145	0.00541	1	09/07/2017 01:42	WG1017434
n-Butylbenzene	U		0.000279	0.00108	1	09/07/2017 01:42	WG1017434
sec-Butylbenzene	U		0.000218	0.00108	1	09/07/2017 01:42	WG1017434
tert-Butylbenzene	U		0.000223	0.00108	1	09/07/2017 01:42	WG1017434
Carbon disulfide	U		0.000239	0.00108	1	09/07/2017 01:42	WG1017434
Carbon tetrachloride	U		0.000355	0.00108	1	09/07/2017 01:42	WG1017434
Chlorobenzene	U		0.000230	0.00108	1	09/07/2017 01:42	WG1017434
Chlorodibromomethane	U		0.000404	0.00108	1	09/07/2017 01:42	WG1017434
Chloroethane	U		0.00102	0.00541	1	09/07/2017 01:42	WG1017434
Chloroform	U		0.000248	0.00541	1	09/07/2017 01:42	WG1017434
Chloromethane	U UJ	J0	0.000406	0.00271	1	09/07/2017 01:42	WG1017434
2-Chlorotoluene	U		0.000326	0.00108	1	09/07/2017 01:42	WG1017434
4-Chlorotoluene	U		0.000260	0.00108	1	09/07/2017 01:42	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	09/07/2017 01:42	WG1017434
1,2-Dibromoethane	U		0.000371	0.00108	1	09/07/2017 01:42	WG1017434
Dibromomethane	U		0.000414	0.00108	1	09/07/2017 01:42	WG1017434
1,2-Dichlorobenzene	U		0.000330	0.00108	1	09/07/2017 01:42	WG1017434
1,3-Dichlorobenzene	U		0.000259	0.00108	1	09/07/2017 01:42	WG1017434
1,4-Dichlorobenzene	U		0.000245	0.00108	1	09/07/2017 01:42	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000772	0.00541	1	09/07/2017 01:42	WG1017434
1,1-Dichloroethane	U		0.000215	0.00108	1	09/07/2017 01:42	WG1017434
1,2-Dichloroethane	U		0.000287	0.00108	1	09/07/2017 01:42	WG1017434
1,1-Dichloroethene	U		0.000328	0.00108	1	09/07/2017 01:42	WG1017434
cis-1,2-Dichloroethene	U		0.000254	0.00108	1	09/07/2017 01:42	WG1017434
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	09/07/2017 01:42	WG1017434
1,2-Dichloropropane	U		0.000388	0.00108	1	09/07/2017 01:42	WG1017434
1,1-Dichloropropene	U		0.000343	0.00108	1	09/07/2017 01:42	WG1017434
1,3-Dichloropropane	U		0.000224	0.00108	1	09/07/2017 01:42	WG1017434
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	09/07/2017 01:42	WG1017434
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	09/07/2017 01:42	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000842	0.00271	1	09/07/2017 01:42	WG1017434
2,2-Dichloropropane	U		0.000302	0.00108	1	09/07/2017 01:42	WG1017434
Di-isopropyl ether	U		0.000268	0.00108	1	09/07/2017 01:42	WG1017434
Ethylbenzene	U		0.000322	0.00108	1	09/07/2017 01:42	WG1017434
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	09/07/2017 01:42	WG1017434
2-Hexanone	U UJ	J0	0.00148	0.0108	1	09/07/2017 01:42	WG1017434
n-Hexane	U UJ	J0	0.000314	0.0108	1	09/07/2017 01:42	WG1017434
Iodomethane	U		0.00274	0.0108	1	09/07/2017 01:42	WG1017434
Isopropylbenzene	U		0.000263	0.00108	1	09/07/2017 01:42	WG1017434
p-Isopropyltoluene	U		0.000221	0.00108	1	09/07/2017 01:42	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00507	0.0108	1	09/07/2017 01:42	WG1017434
Methylene Chloride	U		0.00108	0.00541	1	09/07/2017 01:42	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00204	0.0108	1	09/07/2017 01:42	WG1017434

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

Analyte	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	09/07/2017 01:42	WG1017434
Naphthalene	U		0.00108	0.00541	1	09/07/2017 01:42	WG1017434
n-Propylbenzene	U		0.000223	0.00108	1	09/07/2017 01:42	WG1017434
Styrene	U		0.000253	0.00108	1	09/07/2017 01:42	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/07/2017 01:42	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	09/07/2017 01:42	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	09/07/2017 01:42	WG1017434
Tetrachloroethene	U		0.000299	0.00108	1	09/07/2017 01:42	WG1017434
Toluene	U		0.000470	0.00541	1	09/07/2017 01:42	WG1017434
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	09/07/2017 01:42	WG1017434
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	09/07/2017 01:42	WG1017434
1,1,1-Trichloroethane	U		0.000310	0.00108	1	09/07/2017 01:42	WG1017434
1,1,2-Trichloroethane	U		0.000300	0.00108	1	09/07/2017 01:42	WG1017434
Trichloroethene	U		0.000302	0.00108	1	09/07/2017 01:42	WG1017434
Trichlorofluoromethane	U		0.000414	0.00541	1	09/07/2017 01:42	WG1017434
1,2,3-Trichloropropane	U		0.000802	0.00271	1	09/07/2017 01:42	WG1017434
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	09/07/2017 01:42	WG1017434
1,2,3-Trimethylbenzene	U		0.000311	0.00108	1	09/07/2017 01:42	WG1017434
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/07/2017 01:42	WG1017434
Vinyl acetate	U		0.00259	0.0108	1	09/07/2017 01:42	WG1017434
Vinyl chloride	U		0.000315	0.00108	1	09/07/2017 01:42	WG1017434
Xylenes, Total	U		0.000756	0.00325	1	09/07/2017 01:42	WG1017434
(S) Toluene-d8	*107*			*80.0-120*		*09/07/2017 01:42*	WG1017434
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/07/2017 01:42*	WG1017434
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/07/2017 01:42*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0111	0.0554	1	09/07/2017 02:02	WG1017434
Acrylonitrile	U UJ	J0	0.00198	0.0111	1	09/07/2017 02:02	WG1017434
Benzene	U		0.000299	0.00111	1	09/07/2017 02:02	WG1017434
Bromobenzene	U		0.000315	0.00111	1	09/07/2017 02:02	WG1017434
Bromodichloromethane	U		0.000282	0.00111	1	09/07/2017 02:02	WG1017434
Bromochloromethane	U		0.000432	0.00554	1	09/07/2017 02:02	WG1017434
Bromoform	U		0.000470	0.00111	1	09/07/2017 02:02	WG1017434
Bromomethane	U		0.00149	0.00554	1	09/07/2017 02:02	WG1017434
n-Butylbenzene	U		0.000286	0.00111	1	09/07/2017 02:02	WG1017434
sec-Butylbenzene	U		0.000223	0.00111	1	09/07/2017 02:02	WG1017434
tert-Butylbenzene	U		0.000228	0.00111	1	09/07/2017 02:02	WG1017434
Carbon disulfide	U		0.000245	0.00111	1	09/07/2017 02:02	WG1017434
Carbon tetrachloride	U		0.000364	0.00111	1	09/07/2017 02:02	WG1017434
Chlorobenzene	U		0.000235	0.00111	1	09/07/2017 02:02	WG1017434
Chlorodibromomethane	U		0.000413	0.00111	1	09/07/2017 02:02	WG1017434
Chloroethane	U		0.00105	0.00554	1	09/07/2017 02:02	WG1017434
Chloroform	U		0.000254	0.00554	1	09/07/2017 02:02	WG1017434
Chloromethane	U UJ	J0	0.000416	0.00277	1	09/07/2017 02:02	WG1017434
2-Chlorotoluene	U		0.000334	0.00111	1	09/07/2017 02:02	WG1017434
4-Chlorotoluene	U		0.000266	0.00111	1	09/07/2017 02:02	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	09/07/2017 02:02	WG1017434
1,2-Dibromoethane	U		0.000380	0.00111	1	09/07/2017 02:02	WG1017434
Dibromomethane	U		0.000423	0.00111	1	09/07/2017 02:02	WG1017434
1,2-Dichlorobenzene	U		0.000338	0.00111	1	09/07/2017 02:02	WG1017434
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/07/2017 02:02	WG1017434
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/07/2017 02:02	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000790	0.00554	1	09/07/2017 02:02	WG1017434
1,1-Dichloroethane	U		0.000221	0.00111	1	09/07/2017 02:02	WG1017434
1,2-Dichloroethane	U		0.000294	0.00111	1	09/07/2017 02:02	WG1017434
1,1-Dichloroethene	U		0.000336	0.00111	1	09/07/2017 02:02	WG1017434
cis-1,2-Dichloroethene	U		0.000260	0.00111	1	09/07/2017 02:02	WG1017434
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/07/2017 02:02	WG1017434
1,2-Dichloropropane	U		0.000397	0.00111	1	09/07/2017 02:02	WG1017434
1,1-Dichloropropene	U		0.000351	0.00111	1	09/07/2017 02:02	WG1017434
1,3-Dichloropropane	U		0.000229	0.00111	1	09/07/2017 02:02	WG1017434
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	09/07/2017 02:02	WG1017434
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/07/2017 02:02	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000862	0.00277	1	09/07/2017 02:02	WG1017434
2,2-Dichloropropane	U		0.000309	0.00111	1	09/07/2017 02:02	WG1017434
Di-isopropyl ether	U		0.000275	0.00111	1	09/07/2017 02:02	WG1017434
Ethylbenzene	U		0.000329	0.00111	1	09/07/2017 02:02	WG1017434
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	09/07/2017 02:02	WG1017434
2-Hexanone	U UJ	J0	0.00152	0.0111	1	09/07/2017 02:02	WG1017434
n-Hexane	U UJ	J0	0.000321	0.0111	1	09/07/2017 02:02	WG1017434
Iodomethane	U		0.00280	0.0111	1	09/07/2017 02:02	WG1017434
Isopropylbenzene	U		0.000269	0.00111	1	09/07/2017 02:02	WG1017434
p-Isopropyltoluene	U		0.000226	0.00111	1	09/07/2017 02:02	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00519	0.0111	1	09/07/2017 02:02	WG1017434
Methylene Chloride	U		0.00111	0.00554	1	09/07/2017 02:02	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00208	0.0111	1	09/07/2017 02:02	WG1017434

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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	09/07/2017 02:02	WG1017434
Naphthalene	U		0.00111	0.00554	1	09/07/2017 02:02	WG1017434
n-Propylbenzene	U		0.000228	0.00111	1	09/07/2017 02:02	WG1017434
Styrene	U		0.000259	0.00111	1	09/07/2017 02:02	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/07/2017 02:02	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/07/2017 02:02	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/07/2017 02:02	WG1017434
Tetrachloroethene	U		0.000306	0.00111	1	09/07/2017 02:02	WG1017434
Toluene	U		0.000481	0.00554	1	09/07/2017 02:02	WG1017434
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	09/07/2017 02:02	WG1017434
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	09/07/2017 02:02	WG1017434
1,1,1-Trichloroethane	U		0.000317	0.00111	1	09/07/2017 02:02	WG1017434
1,1,2-Trichloroethane	U		0.000307	0.00111	1	09/07/2017 02:02	WG1017434
Trichloroethene	U		0.000309	0.00111	1	09/07/2017 02:02	WG1017434
Trichlorofluoromethane	U		0.000423	0.00554	1	09/07/2017 02:02	WG1017434
1,2,3-Trichloropropane	U		0.000821	0.00277	1	09/07/2017 02:02	WG1017434
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/07/2017 02:02	WG1017434
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	09/07/2017 02:02	WG1017434
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/07/2017 02:02	WG1017434
Vinyl acetate	U		0.00265	0.0111	1	09/07/2017 02:02	WG1017434
Vinyl chloride	U		0.000323	0.00111	1	09/07/2017 02:02	WG1017434
Xylenes, Total	U		0.000774	0.00333	1	09/07/2017 02:02	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 02:02*	WG1017434
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/07/2017 02:02*	WG1017434
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/07/2017 02:02*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0109	0.0544	1	09/07/2017 02:22	WG1017434
Acrylonitrile	U UJ	J0	0.00195	0.0109	1	09/07/2017 02:22	WG1017434
Benzene	U		0.000294	0.00109	1	09/07/2017 02:22	WG1017434
Bromobenzene	U		0.000309	0.00109	1	09/07/2017 02:22	WG1017434
Bromodichloromethane	U		0.000276	0.00109	1	09/07/2017 02:22	WG1017434
Bromochloromethane	U		0.000425	0.00544	1	09/07/2017 02:22	WG1017434
Bromoform	U		0.000462	0.00109	1	09/07/2017 02:22	WG1017434
Bromomethane	U		0.00146	0.00544	1	09/07/2017 02:22	WG1017434
n-Butylbenzene	U		0.000281	0.00109	1	09/07/2017 02:22	WG1017434
sec-Butylbenzene	U		0.000219	0.00109	1	09/07/2017 02:22	WG1017434
tert-Butylbenzene	U		0.000224	0.00109	1	09/07/2017 02:22	WG1017434
Carbon disulfide	0.000834 J	J	0.000241	0.00109	1	09/07/2017 02:22	WG1017434
Carbon tetrachloride	U		0.000357	0.00109	1	09/07/2017 02:22	WG1017434
Chlorobenzene	U		0.000231	0.00109	1	09/07/2017 02:22	WG1017434
Chlorodibromomethane	U		0.000406	0.00109	1	09/07/2017 02:22	WG1017434
Chloroethane	U		0.00103	0.00544	1	09/07/2017 02:22	WG1017434
Chloroform	U		0.000249	0.00544	1	09/07/2017 02:22	WG1017434
Chloromethane	U UJ	J0	0.000408	0.00272	1	09/07/2017 02:22	WG1017434
2-Chlorotoluene	U		0.000328	0.00109	1	09/07/2017 02:22	WG1017434
4-Chlorotoluene	U		0.000261	0.00109	1	09/07/2017 02:22	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00544	1	09/07/2017 02:22	WG1017434
1,2-Dibromoethane	U		0.000373	0.00109	1	09/07/2017 02:22	WG1017434
Dibromomethane	U		0.000416	0.00109	1	09/07/2017 02:22	WG1017434
1,2-Dichlorobenzene	U		0.000332	0.00109	1	09/07/2017 02:22	WG1017434
1,3-Dichlorobenzene	U		0.000260	0.00109	1	09/07/2017 02:22	WG1017434
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/07/2017 02:22	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000776	0.00544	1	09/07/2017 02:22	WG1017434
1,1-Dichloroethane	U		0.000217	0.00109	1	09/07/2017 02:22	WG1017434
1,2-Dichloroethane	U		0.000288	0.00109	1	09/07/2017 02:22	WG1017434
1,1-Dichloroethene	U		0.000330	0.00109	1	09/07/2017 02:22	WG1017434
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	09/07/2017 02:22	WG1017434
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	09/07/2017 02:22	WG1017434
1,2-Dichloropropane	U		0.000390	0.00109	1	09/07/2017 02:22	WG1017434
1,1-Dichloropropene	U		0.000345	0.00109	1	09/07/2017 02:22	WG1017434
1,3-Dichloropropane	U		0.000225	0.00109	1	09/07/2017 02:22	WG1017434
cis-1,3-Dichloropropene	U		0.000285	0.00109	1	09/07/2017 02:22	WG1017434
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/07/2017 02:22	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000847	0.00272	1	09/07/2017 02:22	WG1017434
2,2-Dichloropropane	U		0.000304	0.00109	1	09/07/2017 02:22	WG1017434
Di-isopropyl ether	U		0.000270	0.00109	1	09/07/2017 02:22	WG1017434
Ethylbenzene	U		0.000323	0.00109	1	09/07/2017 02:22	WG1017434
Hexachloro-1,3-butadiene	U		0.000372	0.00109	1	09/07/2017 02:22	WG1017434
2-Hexanone	U UJ	J0	0.00149	0.0109	1	09/07/2017 02:22	WG1017434
n-Hexane	0.0237 J	J0	0.000316	0.0109	1	09/07/2017 02:22	WG1017434
Iodomethane	U		0.00275	0.0109	1	09/07/2017 02:22	WG1017434
Isopropylbenzene	U		0.000265	0.00109	1	09/07/2017 02:22	WG1017434
p-Isopropyltoluene	U		0.000222	0.00109	1	09/07/2017 02:22	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00509	0.0109	1	09/07/2017 02:22	WG1017434
Methylene Chloride	U		0.00109	0.00544	1	09/07/2017 02:22	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00205	0.0109	1	09/07/2017 02:22	WG1017434

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

Analyte	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	09/07/2017 02:22	WG1017434
Naphthalene	U		0.00109	0.00544	1	09/07/2017 02:22	WG1017434
n-Propylbenzene	U		0.000224	0.00109	1	09/07/2017 02:22	WG1017434
Styrene	U		0.000255	0.00109	1	09/07/2017 02:22	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	09/07/2017 02:22	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000397	0.00109	1	09/07/2017 02:22	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000397	0.00109	1	09/07/2017 02:22	WG1017434
Tetrachloroethene	U		0.000300	0.00109	1	09/07/2017 02:22	WG1017434
Toluene	U		0.000472	0.00544	1	09/07/2017 02:22	WG1017434
1,2,3-Trichlorobenzene	U		0.000333	0.00109	1	09/07/2017 02:22	WG1017434
1,2,4-Trichlorobenzene	U		0.000422	0.00109	1	09/07/2017 02:22	WG1017434
1,1,1-Trichloroethane	U		0.000311	0.00109	1	09/07/2017 02:22	WG1017434
1,1,2-Trichloroethane	U		0.000302	0.00109	1	09/07/2017 02:22	WG1017434
Trichloroethene	U		0.000304	0.00109	1	09/07/2017 02:22	WG1017434
Trichlorofluoromethane	U		0.000416	0.00544	1	09/07/2017 02:22	WG1017434
1,2,3-Trichloropropane	U		0.000807	0.00272	1	09/07/2017 02:22	WG1017434
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/07/2017 02:22	WG1017434
1,2,3-Trimethylbenzene	U		0.000312	0.00109	1	09/07/2017 02:22	WG1017434
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/07/2017 02:22	WG1017434
Vinyl acetate	U		0.00260	0.0109	1	09/07/2017 02:22	WG1017434
Vinyl chloride	U		0.000317	0.00109	1	09/07/2017 02:22	WG1017434
Xylenes, Total	U		0.000760	0.00327	1	09/07/2017 02:22	WG1017434
(S) Toluene-d8	*108*			*80.0-120*		*09/07/2017 02:22*	WG1017434
(S) Dibromofluoromethane	*106*			*74.0-131*		*09/07/2017 02:22*	WG1017434
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/07/2017 02:22*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0113	0.0567	1	09/07/2017 02:42	WG1017434
Acrylonitrile	U UJ	J0	0.00203	0.0113	1	09/07/2017 02:42	WG1017434
Benzene	U		0.000306	0.00113	1	09/07/2017 02:42	WG1017434
Bromobenzene	U		0.000322	0.00113	1	09/07/2017 02:42	WG1017434
Bromodichloromethane	U		0.000288	0.00113	1	09/07/2017 02:42	WG1017434
Bromochloromethane	U		0.000443	0.00567	1	09/07/2017 02:42	WG1017434
Bromoform	U		0.000481	0.00113	1	09/07/2017 02:42	WG1017434
Bromomethane	U		0.00152	0.00567	1	09/07/2017 02:42	WG1017434
n-Butylbenzene	U		0.000293	0.00113	1	09/07/2017 02:42	WG1017434
sec-Butylbenzene	U		0.000228	0.00113	1	09/07/2017 02:42	WG1017434
tert-Butylbenzene	U		0.000234	0.00113	1	09/07/2017 02:42	WG1017434
Carbon disulfide	0.000952 J	J	0.000251	0.00113	1	09/07/2017 02:42	WG1017434
Carbon tetrachloride	U		0.000372	0.00113	1	09/07/2017 02:42	WG1017434
Chlorobenzene	U		0.000241	0.00113	1	09/07/2017 02:42	WG1017434
Chlorodibromomethane	U		0.000423	0.00113	1	09/07/2017 02:42	WG1017434
Chloroethane	U		0.00107	0.00567	1	09/07/2017 02:42	WG1017434
Chloroform	U		0.000260	0.00567	1	09/07/2017 02:42	WG1017434
Chloromethane	U UJ	J0	0.000426	0.00284	1	09/07/2017 02:42	WG1017434
2-Chlorotoluene	U		0.000342	0.00113	1	09/07/2017 02:42	WG1017434
4-Chlorotoluene	U		0.000272	0.00113	1	09/07/2017 02:42	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	09/07/2017 02:42	WG1017434
1,2-Dibromoethane	U		0.000389	0.00113	1	09/07/2017 02:42	WG1017434
Dibromomethane	U		0.000434	0.00113	1	09/07/2017 02:42	WG1017434
1,2-Dichlorobenzene	U		0.000346	0.00113	1	09/07/2017 02:42	WG1017434
1,3-Dichlorobenzene	U		0.000271	0.00113	1	09/07/2017 02:42	WG1017434
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/07/2017 02:42	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000809	0.00567	1	09/07/2017 02:42	WG1017434
1,1-Dichloroethane	U		0.000226	0.00113	1	09/07/2017 02:42	WG1017434
1,2-Dichloroethane	U		0.000301	0.00113	1	09/07/2017 02:42	WG1017434
1,1-Dichloroethene	U		0.000344	0.00113	1	09/07/2017 02:42	WG1017434
cis-1,2-Dichloroethene	U		0.000267	0.00113	1	09/07/2017 02:42	WG1017434
trans-1,2-Dichloroethene	U		0.000300	0.00113	1	09/07/2017 02:42	WG1017434
1,2-Dichloropropane	U		0.000406	0.00113	1	09/07/2017 02:42	WG1017434
1,1-Dichloropropene	U		0.000360	0.00113	1	09/07/2017 02:42	WG1017434
1,3-Dichloropropane	U		0.000235	0.00113	1	09/07/2017 02:42	WG1017434
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	09/07/2017 02:42	WG1017434
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	09/07/2017 02:42	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	09/07/2017 02:42	WG1017434
2,2-Dichloropropane	U		0.000317	0.00113	1	09/07/2017 02:42	WG1017434
Di-isopropyl ether	U		0.000281	0.00113	1	09/07/2017 02:42	WG1017434
Ethylbenzene	U		0.000337	0.00113	1	09/07/2017 02:42	WG1017434
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	09/07/2017 02:42	WG1017434
2-Hexanone	U UJ	J0	0.00155	0.0113	1	09/07/2017 02:42	WG1017434
n-Hexane	0.000359 J	J J0	0.000329	0.0113	1	09/07/2017 02:42	WG1017434
Iodomethane	U		0.00287	0.0113	1	09/07/2017 02:42	WG1017434
Isopropylbenzene	U		0.000276	0.00113	1	09/07/2017 02:42	WG1017434
p-Isopropyltoluene	U		0.000232	0.00113	1	09/07/2017 02:42	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00531	0.0113	1	09/07/2017 02:42	WG1017434
Methylene Chloride	U		0.00113	0.00567	1	09/07/2017 02:42	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00213	0.0113	1	09/07/2017 02:42	WG1017434

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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	0.00113	1	09/07/2017 02:42	WG1017434
Naphthalene	U		0.00113	0.00567	1	09/07/2017 02:42	WG1017434
n-Propylbenzene	U		0.000234	0.00113	1	09/07/2017 02:42	WG1017434
Styrene	U		0.000266	0.00113	1	09/07/2017 02:42	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000300	0.00113	1	09/07/2017 02:42	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	09/07/2017 02:42	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	09/07/2017 02:42	WG1017434
Tetrachloroethene	0.0221		0.000313	0.00113	1	09/07/2017 02:42	WG1017434
Toluene	U		0.000493	0.00567	1	09/07/2017 02:42	WG1017434
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	09/07/2017 02:42	WG1017434
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	09/07/2017 02:42	WG1017434
1,1,1-Trichloroethane	U		0.000325	0.00113	1	09/07/2017 02:42	WG1017434
1,1,2-Trichloroethane	U		0.000314	0.00113	1	09/07/2017 02:42	WG1017434
Trichloroethene	U		0.000317	0.00113	1	09/07/2017 02:42	WG1017434
Trichlorofluoromethane	U		0.000434	0.00567	1	09/07/2017 02:42	WG1017434
1,2,3-Trichloropropane	U		0.000841	0.00284	1	09/07/2017 02:42	WG1017434
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	09/07/2017 02:42	WG1017434
1,2,3-Trimethylbenzene	U		0.000326	0.00113	1	09/07/2017 02:42	WG1017434
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	09/07/2017 02:42	WG1017434
Vinyl acetate	U		0.00271	0.0113	1	09/07/2017 02:42	WG1017434
Vinyl chloride	U		0.000330	0.00113	1	09/07/2017 02:42	WG1017434
Xylenes, Total	U		0.000792	0.00340	1	09/07/2017 02:42	WG1017434
(S) Toluene-d8	*112*			*80.0-120*		*09/07/2017 02:42*	WG1017434
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/07/2017 02:42*	WG1017434
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/07/2017 02:42*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0111	0.0554	1	09/07/2017 03:02	WG1017434
Acrylonitrile	U UJ	J0	0.00198	0.0111	1	09/07/2017 03:02	WG1017434
Benzene	U		0.000299	0.00111	1	09/07/2017 03:02	WG1017434
Bromobenzene	U		0.000315	0.00111	1	09/07/2017 03:02	WG1017434
Bromodichloromethane	U		0.000282	0.00111	1	09/07/2017 03:02	WG1017434
Bromochloromethane	U		0.000432	0.00554	1	09/07/2017 03:02	WG1017434
Bromoform	U		0.000470	0.00111	1	09/07/2017 03:02	WG1017434
Bromomethane	U		0.00149	0.00554	1	09/07/2017 03:02	WG1017434
n-Butylbenzene	U		0.000286	0.00111	1	09/07/2017 03:02	WG1017434
sec-Butylbenzene	U		0.000223	0.00111	1	09/07/2017 03:02	WG1017434
tert-Butylbenzene	U		0.000228	0.00111	1	09/07/2017 03:02	WG1017434
Carbon disulfide	U		0.000245	0.00111	1	09/07/2017 03:02	WG1017434
Carbon tetrachloride	U		0.000364	0.00111	1	09/07/2017 03:02	WG1017434
Chlorobenzene	U		0.000235	0.00111	1	09/07/2017 03:02	WG1017434
Chlorodibromomethane	U		0.000414	0.00111	1	09/07/2017 03:02	WG1017434
Chloroethane	U		0.00105	0.00554	1	09/07/2017 03:02	WG1017434
Chloroform	U		0.000254	0.00554	1	09/07/2017 03:02	WG1017434
Chloromethane	U UJ	J0	0.000416	0.00277	1	09/07/2017 03:02	WG1017434
2-Chlorotoluene	U		0.000334	0.00111	1	09/07/2017 03:02	WG1017434
4-Chlorotoluene	U		0.000266	0.00111	1	09/07/2017 03:02	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	09/07/2017 03:02	WG1017434
1,2-Dibromoethane	U		0.000380	0.00111	1	09/07/2017 03:02	WG1017434
Dibromomethane	U		0.000424	0.00111	1	09/07/2017 03:02	WG1017434
1,2-Dichlorobenzene	U		0.000338	0.00111	1	09/07/2017 03:02	WG1017434
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/07/2017 03:02	WG1017434
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/07/2017 03:02	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000791	0.00554	1	09/07/2017 03:02	WG1017434
1,1-Dichloroethane	U		0.000221	0.00111	1	09/07/2017 03:02	WG1017434
1,2-Dichloroethane	U		0.000294	0.00111	1	09/07/2017 03:02	WG1017434
1,1-Dichloroethene	U		0.000336	0.00111	1	09/07/2017 03:02	WG1017434
cis-1,2-Dichloroethene	0.00105 J	J	0.000261	0.00111	1	09/07/2017 03:02	WG1017434
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/07/2017 03:02	WG1017434
1,2-Dichloropropane	U		0.000397	0.00111	1	09/07/2017 03:02	WG1017434
1,1-Dichloropropene	U		0.000351	0.00111	1	09/07/2017 03:02	WG1017434
1,3-Dichloropropane	U		0.000230	0.00111	1	09/07/2017 03:02	WG1017434
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	09/07/2017 03:02	WG1017434
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/07/2017 03:02	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000863	0.00277	1	09/07/2017 03:02	WG1017434
2,2-Dichloropropane	U		0.000309	0.00111	1	09/07/2017 03:02	WG1017434
Di-isopropyl ether	U		0.000275	0.00111	1	09/07/2017 03:02	WG1017434
Ethylbenzene	U		0.000329	0.00111	1	09/07/2017 03:02	WG1017434
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	09/07/2017 03:02	WG1017434
2-Hexanone	U UJ	J0	0.00152	0.0111	1	09/07/2017 03:02	WG1017434
n-Hexane	U UJ	J0	0.000322	0.0111	1	09/07/2017 03:02	WG1017434
Iodomethane	U		0.00281	0.0111	1	09/07/2017 03:02	WG1017434
Isopropylbenzene	U		0.000269	0.00111	1	09/07/2017 03:02	WG1017434
p-Isopropyltoluene	U		0.000226	0.00111	1	09/07/2017 03:02	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00519	0.0111	1	09/07/2017 03:02	WG1017434
Methylene Chloride	U		0.00111	0.00554	1	09/07/2017 03:02	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00208	0.0111	1	09/07/2017 03:02	WG1017434

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

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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	09/07/2017 03:02	WG1017434
Naphthalene	U		0.00111	0.00554	1	09/07/2017 03:02	WG1017434
n-Propylbenzene	U		0.000228	0.00111	1	09/07/2017 03:02	WG1017434
Styrene	U		0.000259	0.00111	1	09/07/2017 03:02	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/07/2017 03:02	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/07/2017 03:02	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/07/2017 03:02	WG1017434
Tetrachloroethene	0.0432		0.000306	0.00111	1	09/07/2017 03:02	WG1017434
Toluene	U		0.000481	0.00554	1	09/07/2017 03:02	WG1017434
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	09/07/2017 03:02	WG1017434
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	09/07/2017 03:02	WG1017434
1,1,1-Trichloroethane	U		0.000317	0.00111	1	09/07/2017 03:02	WG1017434
1,1,2-Trichloroethane	U		0.000307	0.00111	1	09/07/2017 03:02	WG1017434
Trichloroethene	0.00122		0.000309	0.00111	1	09/07/2017 03:02	WG1017434
Trichlorofluoromethane	U		0.000424	0.00554	1	09/07/2017 03:02	WG1017434
1,2,3-Trichloropropane	U		0.000822	0.00277	1	09/07/2017 03:02	WG1017434
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/07/2017 03:02	WG1017434
1,2,3-Trimethylbenzene	U		0.000318	0.00111	1	09/07/2017 03:02	WG1017434
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/07/2017 03:02	WG1017434
Vinyl acetate	U		0.00265	0.0111	1	09/07/2017 03:02	WG1017434
Vinyl chloride	U		0.000323	0.00111	1	09/07/2017 03:02	WG1017434
Xylenes, Total	U		0.000774	0.00333	1	09/07/2017 03:02	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 03:02*	WG1017434
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/07/2017 03:02*	WG1017434
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*09/07/2017 03:02*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0115	0.0574	1	09/07/2017 03:21	WG1017434
Acrylonitrile	U UJ	J0	0.00205	0.0115	1	09/07/2017 03:21	WG1017434
Benzene	U		0.000310	0.00115	1	09/07/2017 03:21	WG1017434
Bromobenzene	U		0.000326	0.00115	1	09/07/2017 03:21	WG1017434
Bromodichloromethane	U		0.000292	0.00115	1	09/07/2017 03:21	WG1017434
Bromochloromethane	U		0.000448	0.00574	1	09/07/2017 03:21	WG1017434
Bromoform	U		0.000487	0.00115	1	09/07/2017 03:21	WG1017434
Bromomethane	U		0.00154	0.00574	1	09/07/2017 03:21	WG1017434
n-Butylbenzene	U		0.000296	0.00115	1	09/07/2017 03:21	WG1017434
sec-Butylbenzene	U		0.000231	0.00115	1	09/07/2017 03:21	WG1017434
tert-Butylbenzene	U		0.000236	0.00115	1	09/07/2017 03:21	WG1017434
Carbon disulfide	U		0.000254	0.00115	1	09/07/2017 03:21	WG1017434
Carbon tetrachloride	U		0.000376	0.00115	1	09/07/2017 03:21	WG1017434
Chlorobenzene	U		0.000243	0.00115	1	09/07/2017 03:21	WG1017434
Chlorodibromomethane	U		0.000428	0.00115	1	09/07/2017 03:21	WG1017434
Chloroethane	U		0.00109	0.00574	1	09/07/2017 03:21	WG1017434
Chloroform	U		0.000263	0.00574	1	09/07/2017 03:21	WG1017434
Chloromethane	U UJ	J0	0.000430	0.00287	1	09/07/2017 03:21	WG1017434
2-Chlorotoluene	U		0.000345	0.00115	1	09/07/2017 03:21	WG1017434
4-Chlorotoluene	U		0.000275	0.00115	1	09/07/2017 03:21	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	09/07/2017 03:21	WG1017434
1,2-Dibromoethane	U		0.000394	0.00115	1	09/07/2017 03:21	WG1017434
Dibromomethane	U		0.000438	0.00115	1	09/07/2017 03:21	WG1017434
1,2-Dichlorobenzene	U		0.000350	0.00115	1	09/07/2017 03:21	WG1017434
1,3-Dichlorobenzene	U		0.000274	0.00115	1	09/07/2017 03:21	WG1017434
1,4-Dichlorobenzene	U		0.000259	0.00115	1	09/07/2017 03:21	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000818	0.00574	1	09/07/2017 03:21	WG1017434
1,1-Dichloroethane	U		0.000228	0.00115	1	09/07/2017 03:21	WG1017434
1,2-Dichloroethane	U		0.000304	0.00115	1	09/07/2017 03:21	WG1017434
1,1-Dichloroethene	U		0.000348	0.00115	1	09/07/2017 03:21	WG1017434
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	09/07/2017 03:21	WG1017434
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	09/07/2017 03:21	WG1017434
1,2-Dichloropropane	U		0.000411	0.00115	1	09/07/2017 03:21	WG1017434
1,1-Dichloropropene	U		0.000364	0.00115	1	09/07/2017 03:21	WG1017434
1,3-Dichloropropane	U		0.000238	0.00115	1	09/07/2017 03:21	WG1017434
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	09/07/2017 03:21	WG1017434
trans-1,3-Dichloropropene	U		0.000306	0.00115	1	09/07/2017 03:21	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	09/07/2017 03:21	WG1017434
2,2-Dichloropropane	U		0.000320	0.00115	1	09/07/2017 03:21	WG1017434
Di-isopropyl ether	U		0.000285	0.00115	1	09/07/2017 03:21	WG1017434
Ethylbenzene	U		0.000341	0.00115	1	09/07/2017 03:21	WG1017434
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	09/07/2017 03:21	WG1017434
2-Hexanone	U UJ	J0	0.00157	0.0115	1	09/07/2017 03:21	WG1017434
n-Hexane	0.000409 J	J J0	0.000333	0.0115	1	09/07/2017 03:21	WG1017434
Iodomethane	U		0.00290	0.0115	1	09/07/2017 03:21	WG1017434
Isopropylbenzene	U		0.000279	0.00115	1	09/07/2017 03:21	WG1017434
p-Isopropyltoluene	U		0.000234	0.00115	1	09/07/2017 03:21	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00537	0.0115	1	09/07/2017 03:21	WG1017434
Methylene Chloride	U		0.00115	0.00574	1	09/07/2017 03:21	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00216	0.0115	1	09/07/2017 03:21	WG1017434

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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	09/07/2017 03:21	WG1017434
Naphthalene	U		0.00115	0.00574	1	09/07/2017 03:21	WG1017434
n-Propylbenzene	U		0.000236	0.00115	1	09/07/2017 03:21	WG1017434
Styrene	U		0.000269	0.00115	1	09/07/2017 03:21	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	09/07/2017 03:21	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	09/07/2017 03:21	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	09/07/2017 03:21	WG1017434
Tetrachloroethene	U		0.000317	0.00115	1	09/07/2017 03:21	WG1017434
Toluene	U		0.000498	0.00574	1	09/07/2017 03:21	WG1017434
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	09/07/2017 03:21	WG1017434
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	09/07/2017 03:21	WG1017434
1,1,1-Trichloroethane	U		0.000328	0.00115	1	09/07/2017 03:21	WG1017434
1,1,2-Trichloroethane	U		0.000318	0.00115	1	09/07/2017 03:21	WG1017434
Trichloroethene	U		0.000320	0.00115	1	09/07/2017 03:21	WG1017434
Trichlorofluoromethane	U		0.000438	0.00574	1	09/07/2017 03:21	WG1017434
1,2,3-Trichloropropane	U		0.000851	0.00287	1	09/07/2017 03:21	WG1017434
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	09/07/2017 03:21	WG1017434
1,2,3-Trimethylbenzene	U		0.000329	0.00115	1	09/07/2017 03:21	WG1017434
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	09/07/2017 03:21	WG1017434
Vinyl acetate	U		0.00274	0.0115	1	09/07/2017 03:21	WG1017434
Vinyl chloride	U		0.000334	0.00115	1	09/07/2017 03:21	WG1017434
Xylenes, Total	U		0.000801	0.00344	1	09/07/2017 03:21	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 03:21*	WG1017434
(S) Dibromofluoromethane	*109*			*74.0-131*		*09/07/2017 03:21*	WG1017434
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/07/2017 03:21*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.9		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0110	0.0550	1	09/07/2017 03:41	WG1017434
Acrylonitrile	U UJ	J0	0.00197	0.0110	1	09/07/2017 03:41	WG1017434
Benzene	U		0.000297	0.00110	1	09/07/2017 03:41	WG1017434
Bromobenzene	U		0.000312	0.00110	1	09/07/2017 03:41	WG1017434
Bromodichloromethane	U		0.000279	0.00110	1	09/07/2017 03:41	WG1017434
Bromochloromethane	U		0.000429	0.00550	1	09/07/2017 03:41	WG1017434
Bromoform	U		0.000467	0.00110	1	09/07/2017 03:41	WG1017434
Bromomethane	U		0.00147	0.00550	1	09/07/2017 03:41	WG1017434
n-Butylbenzene	U		0.000284	0.00110	1	09/07/2017 03:41	WG1017434
sec-Butylbenzene	U		0.000221	0.00110	1	09/07/2017 03:41	WG1017434
tert-Butylbenzene	U		0.000227	0.00110	1	09/07/2017 03:41	WG1017434
Carbon disulfide	0.00140		0.000243	0.00110	1	09/07/2017 03:41	WG1017434
Carbon tetrachloride	U		0.000361	0.00110	1	09/07/2017 03:41	WG1017434
Chlorobenzene	U		0.000233	0.00110	1	09/07/2017 03:41	WG1017434
Chlorodibromomethane	U		0.000410	0.00110	1	09/07/2017 03:41	WG1017434
Chloroethane	U		0.00104	0.00550	1	09/07/2017 03:41	WG1017434
Chloroform	U		0.000252	0.00550	1	09/07/2017 03:41	WG1017434
Chloromethane	U UJ	J0	0.000413	0.00275	1	09/07/2017 03:41	WG1017434
2-Chlorotoluene	U		0.000331	0.00110	1	09/07/2017 03:41	WG1017434
4-Chlorotoluene	U		0.000264	0.00110	1	09/07/2017 03:41	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00550	1	09/07/2017 03:41	WG1017434
1,2-Dibromoethane	U		0.000377	0.00110	1	09/07/2017 03:41	WG1017434
Dibromomethane	U		0.000420	0.00110	1	09/07/2017 03:41	WG1017434
1,2-Dichlorobenzene	U		0.000336	0.00110	1	09/07/2017 03:41	WG1017434
1,3-Dichlorobenzene	U		0.000263	0.00110	1	09/07/2017 03:41	WG1017434
1,4-Dichlorobenzene	U		0.000249	0.00110	1	09/07/2017 03:41	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000785	0.00550	1	09/07/2017 03:41	WG1017434
1,1-Dichloroethane	U		0.000219	0.00110	1	09/07/2017 03:41	WG1017434
1,2-Dichloroethane	U		0.000292	0.00110	1	09/07/2017 03:41	WG1017434
1,1-Dichloroethene	U		0.000333	0.00110	1	09/07/2017 03:41	WG1017434
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	09/07/2017 03:41	WG1017434
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	09/07/2017 03:41	WG1017434
1,2-Dichloropropane	U		0.000394	0.00110	1	09/07/2017 03:41	WG1017434
1,1-Dichloropropene	U		0.000349	0.00110	1	09/07/2017 03:41	WG1017434
1,3-Dichloropropane	U		0.000228	0.00110	1	09/07/2017 03:41	WG1017434
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	09/07/2017 03:41	WG1017434
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	09/07/2017 03:41	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000856	0.00275	1	09/07/2017 03:41	WG1017434
2,2-Dichloropropane	U		0.000307	0.00110	1	09/07/2017 03:41	WG1017434
Di-isopropyl ether	U		0.000273	0.00110	1	09/07/2017 03:41	WG1017434
Ethylbenzene	U		0.000327	0.00110	1	09/07/2017 03:41	WG1017434
Hexachloro-1,3-butadiene	U		0.000376	0.00110	1	09/07/2017 03:41	WG1017434
2-Hexanone	U UJ	J0	0.00151	0.0110	1	09/07/2017 03:41	WG1017434
n-Hexane	0.0107 J	J J0	0.000319	0.0110	1	09/07/2017 03:41	WG1017434
Iodomethane	U		0.00278	0.0110	1	09/07/2017 03:41	WG1017434
Isopropylbenzene	U		0.000267	0.00110	1	09/07/2017 03:41	WG1017434
p-Isopropyltoluene	U		0.000224	0.00110	1	09/07/2017 03:41	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00515	0.0110	1	09/07/2017 03:41	WG1017434
Methylene Chloride	U		0.00110	0.00550	1	09/07/2017 03:41	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00207	0.0110	1	09/07/2017 03:41	WG1017434

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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	09/07/2017 03:41	WG1017434
Naphthalene	U		0.00110	0.00550	1	09/07/2017 03:41	WG1017434
n-Propylbenzene	U		0.000227	0.00110	1	09/07/2017 03:41	WG1017434
Styrene	U		0.000257	0.00110	1	09/07/2017 03:41	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	09/07/2017 03:41	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	09/07/2017 03:41	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	09/07/2017 03:41	WG1017434
Tetrachloroethene	U		0.000304	0.00110	1	09/07/2017 03:41	WG1017434
Toluene	U		0.000478	0.00550	1	09/07/2017 03:41	WG1017434
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	09/07/2017 03:41	WG1017434
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	09/07/2017 03:41	WG1017434
1,1,1-Trichloroethane	U		0.000315	0.00110	1	09/07/2017 03:41	WG1017434
1,1,2-Trichloroethane	U		0.000305	0.00110	1	09/07/2017 03:41	WG1017434
Trichloroethene	U		0.000307	0.00110	1	09/07/2017 03:41	WG1017434
Trichlorofluoromethane	U		0.000420	0.00550	1	09/07/2017 03:41	WG1017434
1,2,3-Trichloropropane	U		0.000815	0.00275	1	09/07/2017 03:41	WG1017434
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/07/2017 03:41	WG1017434
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	09/07/2017 03:41	WG1017434
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	09/07/2017 03:41	WG1017434
Vinyl acetate	U		0.00263	0.0110	1	09/07/2017 03:41	WG1017434
Vinyl chloride	U		0.000320	0.00110	1	09/07/2017 03:41	WG1017434
Xylenes, Total	U		0.000768	0.00330	1	09/07/2017 03:41	WG1017434
(S) Toluene-d8	*109*			*80.0-120*		*09/07/2017 03:41*	WG1017434
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/07/2017 03:41*	WG1017434
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*09/07/2017 03:41*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/11/2017 14:58	WG1018906

Volatile Organic Compounds (GC/MS) 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 J3	0.0109	0.0546	1	09/07/2017 04:01	WG1017434
Acrylonitrile	U UJ	J0	0.00196	0.0109	1	09/07/2017 04:01	WG1017434
Benzene	U		0.000295	0.00109	1	09/07/2017 04:01	WG1017434
Bromobenzene	U		0.000310	0.00109	1	09/07/2017 04:01	WG1017434
Bromodichloromethane	U		0.000278	0.00109	1	09/07/2017 04:01	WG1017434
Bromochloromethane	U		0.000426	0.00546	1	09/07/2017 04:01	WG1017434
Bromoform	U		0.000463	0.00109	1	09/07/2017 04:01	WG1017434
Bromomethane	U		0.00146	0.00546	1	09/07/2017 04:01	WG1017434
n-Butylbenzene	U		0.000282	0.00109	1	09/07/2017 04:01	WG1017434
sec-Butylbenzene	U		0.000220	0.00109	1	09/07/2017 04:01	WG1017434
tert-Butylbenzene	U		0.000225	0.00109	1	09/07/2017 04:01	WG1017434
Carbon disulfide	U		0.000242	0.00109	1	09/07/2017 04:01	WG1017434
Carbon tetrachloride	U		0.000358	0.00109	1	09/07/2017 04:01	WG1017434
Chlorobenzene	U		0.000232	0.00109	1	09/07/2017 04:01	WG1017434
Chlorodibromomethane	U		0.000408	0.00109	1	09/07/2017 04:01	WG1017434
Chloroethane	U		0.00103	0.00546	1	09/07/2017 04:01	WG1017434
Chloroform	U		0.000250	0.00546	1	09/07/2017 04:01	WG1017434
Chloromethane	U UJ	J0	0.000410	0.00273	1	09/07/2017 04:01	WG1017434
2-Chlorotoluene	U		0.000329	0.00109	1	09/07/2017 04:01	WG1017434
4-Chlorotoluene	U		0.000262	0.00109	1	09/07/2017 04:01	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00546	1	09/07/2017 04:01	WG1017434
1,2-Dibromoethane	U		0.000375	0.00109	1	09/07/2017 04:01	WG1017434
Dibromomethane	U		0.000417	0.00109	1	09/07/2017 04:01	WG1017434
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/07/2017 04:01	WG1017434
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/07/2017 04:01	WG1017434
1,4-Dichlorobenzene	U		0.000247	0.00109	1	09/07/2017 04:01	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000779	0.00546	1	09/07/2017 04:01	WG1017434
1,1-Dichloroethane	U		0.000217	0.00109	1	09/07/2017 04:01	WG1017434
1,2-Dichloroethane	U		0.000290	0.00109	1	09/07/2017 04:01	WG1017434
1,1-Dichloroethene	U		0.000331	0.00109	1	09/07/2017 04:01	WG1017434
cis-1,2-Dichloroethene	U		0.000257	0.00109	1	09/07/2017 04:01	WG1017434
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	09/07/2017 04:01	WG1017434
1,2-Dichloropropane	U		0.000391	0.00109	1	09/07/2017 04:01	WG1017434
1,1-Dichloropropene	U		0.000346	0.00109	1	09/07/2017 04:01	WG1017434
1,3-Dichloropropane	U		0.000226	0.00109	1	09/07/2017 04:01	WG1017434
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/07/2017 04:01	WG1017434
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	09/07/2017 04:01	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000850	0.00273	1	09/07/2017 04:01	WG1017434
2,2-Dichloropropane	U		0.000305	0.00109	1	09/07/2017 04:01	WG1017434
Di-isopropyl ether	U		0.000271	0.00109	1	09/07/2017 04:01	WG1017434
Ethylbenzene	U		0.000325	0.00109	1	09/07/2017 04:01	WG1017434
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	09/07/2017 04:01	WG1017434
2-Hexanone	U UJ	J0	0.00150	0.0109	1	09/07/2017 04:01	WG1017434
n-Hexane	U UJ	J0	0.000317	0.0109	1	09/07/2017 04:01	WG1017434
Iodomethane	U		0.00276	0.0109	1	09/07/2017 04:01	WG1017434
Isopropylbenzene	U		0.000266	0.00109	1	09/07/2017 04:01	WG1017434
p-Isopropyltoluene	U		0.000223	0.00109	1	09/07/2017 04:01	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00511	0.0109	1	09/07/2017 04:01	WG1017434
Methylene Chloride	U		0.00109	0.00546	1	09/07/2017 04:01	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00205	0.0109	1	09/07/2017 04:01	WG1017434

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

Analyte	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	09/07/2017 04:01	WG1017434
Naphthalene	U		0.00109	0.00546	1	09/07/2017 04:01	WG1017434
n-Propylbenzene	U		0.000225	0.00109	1	09/07/2017 04:01	WG1017434
Styrene	U		0.000256	0.00109	1	09/07/2017 04:01	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	09/07/2017 04:01	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	09/07/2017 04:01	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	09/07/2017 04:01	WG1017434
Tetrachloroethene	U		0.000302	0.00109	1	09/07/2017 04:01	WG1017434
Toluene	U		0.000474	0.00546	1	09/07/2017 04:01	WG1017434
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	09/07/2017 04:01	WG1017434
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	09/07/2017 04:01	WG1017434
1,1,1-Trichloroethane	U		0.000313	0.00109	1	09/07/2017 04:01	WG1017434
1,1,2-Trichloroethane	U		0.000303	0.00109	1	09/07/2017 04:01	WG1017434
Trichloroethene	U		0.000305	0.00109	1	09/07/2017 04:01	WG1017434
Trichlorofluoromethane	U		0.000417	0.00546	1	09/07/2017 04:01	WG1017434
1,2,3-Trichloropropane	U		0.000810	0.00273	1	09/07/2017 04:01	WG1017434
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	09/07/2017 04:01	WG1017434
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	09/07/2017 04:01	WG1017434
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	09/07/2017 04:01	WG1017434
Vinyl acetate	U		0.00261	0.0109	1	09/07/2017 04:01	WG1017434
Vinyl chloride	U		0.000318	0.00109	1	09/07/2017 04:01	WG1017434
Xylenes, Total	U		0.000763	0.00328	1	09/07/2017 04:01	WG1017434
(S) Toluene-d8	*108*			*80.0-120*		*09/07/2017 04:01*	WG1017434
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/07/2017 04:01*	WG1017434
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/07/2017 04:01*	WG1017434

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	09/12/2017 10:20	WG1018910

Volatile Organic Compounds (GC/MS) 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 J3	0.0114	0.0572	1	09/07/2017 04:20	WG1017434
Acrylonitrile	U UJ	J0	0.00205	0.0114	1	09/07/2017 04:20	WG1017434
Benzene	U		0.000309	0.00114	1	09/07/2017 04:20	WG1017434
Bromobenzene	U		0.000325	0.00114	1	09/07/2017 04:20	WG1017434
Bromodichloromethane	U		0.000290	0.00114	1	09/07/2017 04:20	WG1017434
Bromochloromethane	U		0.000446	0.00572	1	09/07/2017 04:20	WG1017434
Bromoform	U		0.000485	0.00114	1	09/07/2017 04:20	WG1017434
Bromomethane	U		0.00153	0.00572	1	09/07/2017 04:20	WG1017434
n-Butylbenzene	U		0.000295	0.00114	1	09/07/2017 04:20	WG1017434
sec-Butylbenzene	U		0.000230	0.00114	1	09/07/2017 04:20	WG1017434
tert-Butylbenzene	U		0.000236	0.00114	1	09/07/2017 04:20	WG1017434
Carbon disulfide	0.00112 J	J	0.000253	0.00114	1	09/07/2017 04:20	WG1017434
Carbon tetrachloride	U		0.000375	0.00114	1	09/07/2017 04:20	WG1017434
Chlorobenzene	U		0.000242	0.00114	1	09/07/2017 04:20	WG1017434
Chlorodibromomethane	U		0.000427	0.00114	1	09/07/2017 04:20	WG1017434
Chloroethane	U		0.00108	0.00572	1	09/07/2017 04:20	WG1017434
Chloroform	U		0.000262	0.00572	1	09/07/2017 04:20	WG1017434
Chloromethane	U UJ	J0	0.000429	0.00286	1	09/07/2017 04:20	WG1017434
2-Chlorotoluene	U		0.000344	0.00114	1	09/07/2017 04:20	WG1017434
4-Chlorotoluene	U		0.000274	0.00114	1	09/07/2017 04:20	WG1017434
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00572	1	09/07/2017 04:20	WG1017434
1,2-Dibromoethane	U		0.000392	0.00114	1	09/07/2017 04:20	WG1017434
Dibromomethane	U		0.000437	0.00114	1	09/07/2017 04:20	WG1017434
1,2-Dichlorobenzene	U		0.000349	0.00114	1	09/07/2017 04:20	WG1017434
1,3-Dichlorobenzene	U		0.000273	0.00114	1	09/07/2017 04:20	WG1017434
1,4-Dichlorobenzene	U		0.000258	0.00114	1	09/07/2017 04:20	WG1017434
Dichlorodifluoromethane	U UJ	J0	0.000815	0.00572	1	09/07/2017 04:20	WG1017434
1,1-Dichloroethane	U		0.000228	0.00114	1	09/07/2017 04:20	WG1017434
1,2-Dichloroethane	U		0.000303	0.00114	1	09/07/2017 04:20	WG1017434
1,1-Dichloroethene	0.00333		0.000346	0.00114	1	09/07/2017 04:20	WG1017434
cis-1,2-Dichloroethene	5.73		0.269	1.14	1000	09/12/2017 16:10	WG1017434
trans-1,2-Dichloroethene	0.00334		0.000302	0.00114	1	09/07/2017 04:20	WG1017434
1,2-Dichloropropane	U		0.000409	0.00114	1	09/07/2017 04:20	WG1017434
1,1-Dichloropropene	U		0.000362	0.00114	1	09/07/2017 04:20	WG1017434
1,3-Dichloropropane	U		0.000237	0.00114	1	09/07/2017 04:20	WG1017434
cis-1,3-Dichloropropene	U		0.000300	0.00114	1	09/07/2017 04:20	WG1017434
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	09/07/2017 04:20	WG1017434
trans-1,4-Dichloro-2-butene	U		0.000890	0.00286	1	09/07/2017 04:20	WG1017434
2,2-Dichloropropane	U		0.000319	0.00114	1	09/07/2017 04:20	WG1017434
Di-isopropyl ether	U		0.000284	0.00114	1	09/07/2017 04:20	WG1017434
Ethylbenzene	U		0.000340	0.00114	1	09/07/2017 04:20	WG1017434
Hexachloro-1,3-butadiene	U		0.000391	0.00114	1	09/07/2017 04:20	WG1017434
2-Hexanone	U UJ	J0	0.00157	0.0114	1	09/07/2017 04:20	WG1017434
n-Hexane	0.00116 J	J J0	0.000332	0.0114	1	09/07/2017 04:20	WG1017434
Iodomethane	U		0.00289	0.0114	1	09/07/2017 04:20	WG1017434
Isopropylbenzene	U		0.000278	0.00114	1	09/07/2017 04:20	WG1017434
p-Isopropyltoluene	U		0.000233	0.00114	1	09/07/2017 04:20	WG1017434
2-Butanone (MEK)	U UJ	J0	0.00535	0.0114	1	09/07/2017 04:20	WG1017434
Methylene Chloride	U		0.00114	0.00572	1	09/07/2017 04:20	WG1017434
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00215	0.0114	1	09/07/2017 04:20	WG1017434

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

Analyte	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	09/07/2017 04:20	WG1017434
Naphthalene	U		0.00114	0.00572	1	09/07/2017 04:20	WG1017434
n-Propylbenzene	U		0.000236	0.00114	1	09/07/2017 04:20	WG1017434
Styrene	U		0.000268	0.00114	1	09/07/2017 04:20	WG1017434
1,1,1,2-Tetrachloroethane	U		0.000302	0.00114	1	09/07/2017 04:20	WG1017434
1,1,2,2-Tetrachloroethane	U		0.000417	0.00114	1	09/07/2017 04:20	WG1017434
1,1,2-Trichlorotrifluoroethane	U		0.000417	0.00114	1	09/07/2017 04:20	WG1017434
Tetrachloroethene	152		0.316	1.14	1000	09/12/2017 16:10	WG1017434
Toluene	0.000702	J J	0.000496	0.00572	1	09/07/2017 04:20	WG1017434
1,2,3-Trichlorobenzene	U		0.000350	0.00114	1	09/07/2017 04:20	WG1017434
1,2,4-Trichlorobenzene	U		0.000444	0.00114	1	09/07/2017 04:20	WG1017434
1,1,1-Trichloroethane	U		0.000327	0.00114	1	09/07/2017 04:20	WG1017434
1,1,2-Trichloroethane	U		0.000317	0.00114	1	09/07/2017 04:20	WG1017434
Trichloroethene	0.150		0.000319	0.00114	1	09/07/2017 04:20	WG1017434
Trichlorofluoromethane	U		0.000437	0.00572	1	09/07/2017 04:20	WG1017434
1,2,3-Trichloropropane	U		0.000847	0.00286	1	09/07/2017 04:20	WG1017434
1,2,4-Trimethylbenzene	0.00113	J J	0.000241	0.00114	1	09/07/2017 04:20	WG1017434
1,2,3-Trimethylbenzene	0.000383	J J	0.000328	0.00114	1	09/07/2017 04:20	WG1017434
1,3,5-Trimethylbenzene	0.000471	J J	0.000304	0.00114	1	09/07/2017 04:20	WG1017434
Vinyl acetate	U		0.00273	0.0114	1	09/07/2017 04:20	WG1017434
Vinyl chloride	0.464	J J	0.333	1.14	1000	09/12/2017 16:10	WG1017434
Xylenes, Total	U		0.000798	0.00343	1	09/07/2017 04:20	WG1017434
(S) Toluene-d8	*106*			*80.0-120*		*09/12/2017 16:10*	WG1017434
(S) Toluene-d8	*107*			*80.0-120*		*09/07/2017 04:20*	WG1017434
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/07/2017 04:20*	WG1017434
(S) Dibromofluoromethane	*97.3*			*74.0-131*		*09/12/2017 16:10*	WG1017434
(S) 4-Bromofluorobenzene	*131*			*64.0-132*		*09/07/2017 04:20*	WG1017434
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/12/2017 16:10*	WG1017434

JC 10/12/2017

ANALYTICAL REPORT

September 14, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L934673
Samples Received:	09/07/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	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.

B-213-85 L934673-01 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 16:15 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019358	1	09/13/17 10:15	09/13/17 10:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/05/17 16:15	09/08/17 23:07	BMB

B-217-55 L934673-02 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 16:25 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019358	1	09/13/17 10:15	09/13/17 10:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/05/17 16:25	09/08/17 23:27	BMB

B-217-65 L934673-03 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 16:50 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019358	1	09/13/17 10:15	09/13/17 10:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/05/17 16:50	09/08/17 23:48	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	50	09/05/17 16:50	09/10/17 17:21	ACG

B-217-75 L934673-04 Solid

Collected by: Shannon McKernan | Collected date/time: 09/05/17 17:30 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019358	1	09/13/17 10:15	09/13/17 10:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/05/17 17:30	09/09/17 00:08	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/05/17 17:30	09/10/17 17:04	ACG

B-217-85 L934673-05 Solid

Collected by: Shannon McKernan | Collected date/time: 09/06/17 09:00 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019358	1	09/13/17 10:15	09/13/17 10:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/06/17 09:00	09/09/17 00:29	BMB

B-213-90-W L934673-06 GW

Collected by: Shannon McKernan | Collected date/time: 09/06/17 10:50 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1018315	1	09/11/17 01:55	09/11/17 01:55	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018559	1	09/09/17 15:59	09/09/17 15:59	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018559	10	09/11/17 01:41	09/11/17 01:41	ACG

B-213-95 L934673-07 Solid

Collected by: Shannon McKernan | Collected date/time: 09/06/17 11:30 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019358	1	09/13/17 10:15	09/13/17 10:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/06/17 11:30	09/09/17 00:49	BMB

B-217-95 L934673-08 Solid

Collected by: Shannon McKernan | Collected date/time: 09/06/17 10:20 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019358	1	09/13/17 10:15	09/13/17 10:25	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/06/17 10:20	09/09/17 01:10	BMB

B-906-110 L934673-09 Solid

Collected by: Shannon McKernan | Collected date/time: 09/06/17 11:40 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019359	1	09/13/17 09:35	09/13/17 09:49	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/06/17 11:40	09/09/17 01:30	BMB

B-213-105 L934673-10 Solid

Collected by: Shannon McKernan | Collected date/time: 09/06/17 12:15 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019359	1	09/13/17 09:35	09/13/17 09:49	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/06/17 12:15	09/09/17 01:51	BMB

B-213-115 L934673-11 Solid

Collected by: Shannon McKernan | Collected date/time: 09/06/17 12:40 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019359	1	09/13/17 09:35	09/13/17 09:49	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/06/17 12:40	09/09/17 02:11	BMB

B-217-106 L934673-12 Solid

Collected by: Shannon McKernan | Collected date/time: 09/06/17 13:30 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019359	1	09/13/17 09:35	09/13/17 09:49	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	100	09/06/17 13:30	09/09/17 02:32	BMB

B-217-115 L934673-13 Solid

Collected by: Shannon McKernan | Collected date/time: 09/06/17 13:40 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019359	1	09/13/17 09:35	09/13/17 09:49	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1	09/06/17 13:40	09/09/17 02:52	BMB

B-213-125 L934673-14 Solid

Collected by: Shannon McKernan | Collected date/time: 09/06/17 14:10 | Received date/time: 09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1019359	1	09/13/17 09:35	09/13/17 09:49	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018380	1.36	09/06/17 14:10	09/09/17 03:13	BMB

TRIP BLANK-090617 L934673-15 GW

Collected by	Collected date/time	Received date/time
Shannon McKernan	09/06/17 00:00	09/07/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018559	1	09/09/17 13:30	09/09/17 13:30	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	82.0		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	0.0610	1	09/08/2017 23:07	WG1018380
Acrylonitrile	U		0.00218	0.0122	1	09/08/2017 23:07	WG1018380
Benzene	U		0.000329	0.00122	1	09/08/2017 23:07	WG1018380
Bromobenzene	U		0.000346	0.00122	1	09/08/2017 23:07	WG1018380
Bromodichloromethane	U		0.000310	0.00122	1	09/08/2017 23:07	WG1018380
Bromochloromethane	U		0.000475	0.00610	1	09/08/2017 23:07	WG1018380
Bromoform	U		0.000517	0.00122	1	09/08/2017 23:07	WG1018380
Bromomethane	U		0.00163	0.00610	1	09/08/2017 23:07	WG1018380
n-Butylbenzene	U		0.000315	0.00122	1	09/08/2017 23:07	WG1018380
sec-Butylbenzene	U		0.000245	0.00122	1	09/08/2017 23:07	WG1018380
tert-Butylbenzene	U		0.000251	0.00122	1	09/08/2017 23:07	WG1018380
Carbon disulfide	0.000882	J	0.000269	0.00122	1	09/08/2017 23:07	WG1018380
Carbon tetrachloride	U		0.000400	0.00122	1	09/08/2017 23:07	WG1018380
Chlorobenzene	U		0.000258	0.00122	1	09/08/2017 23:07	WG1018380
Chlorodibromomethane	U		0.000455	0.00122	1	09/08/2017 23:07	WG1018380
Chloroethane	U		0.00115	0.00610	1	09/08/2017 23:07	WG1018380
Chloroform	U		0.000279	0.00610	1	09/08/2017 23:07	WG1018380
Chloromethane	U		0.000457	0.00305	1	09/08/2017 23:07	WG1018380
2-Chlorotoluene	U		0.000367	0.00122	1	09/08/2017 23:07	WG1018380
4-Chlorotoluene	U		0.000293	0.00122	1	09/08/2017 23:07	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00610	1	09/08/2017 23:07	WG1018380
1,2-Dibromoethane	U		0.000418	0.00122	1	09/08/2017 23:07	WG1018380
Dibromomethane	U		0.000466	0.00122	1	09/08/2017 23:07	WG1018380
1,2-Dichlorobenzene	U		0.000372	0.00122	1	09/08/2017 23:07	WG1018380
1,3-Dichlorobenzene	U		0.000291	0.00122	1	09/08/2017 23:07	WG1018380
1,4-Dichlorobenzene	U		0.000276	0.00122	1	09/08/2017 23:07	WG1018380
Dichlorodifluoromethane	U		0.000869	0.00610	1	09/08/2017 23:07	WG1018380
1,1-Dichloroethane	U		0.000243	0.00122	1	09/08/2017 23:07	WG1018380
1,2-Dichloroethane	U		0.000323	0.00122	1	09/08/2017 23:07	WG1018380
1,1-Dichloroethene	U		0.000369	0.00122	1	09/08/2017 23:07	WG1018380
cis-1,2-Dichloroethene	U		0.000286	0.00122	1	09/08/2017 23:07	WG1018380
trans-1,2-Dichloroethene	U		0.000322	0.00122	1	09/08/2017 23:07	WG1018380
1,2-Dichloropropane	U		0.000436	0.00122	1	09/08/2017 23:07	WG1018380
1,1-Dichloropropene	U		0.000386	0.00122	1	09/08/2017 23:07	WG1018380
1,3-Dichloropropane	U		0.000252	0.00122	1	09/08/2017 23:07	WG1018380
cis-1,3-Dichloropropene	U		0.000319	0.00122	1	09/08/2017 23:07	WG1018380
trans-1,3-Dichloropropene	U		0.000325	0.00122	1	09/08/2017 23:07	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000948	0.00305	1	09/08/2017 23:07	WG1018380
2,2-Dichloropropane	U		0.000340	0.00122	1	09/08/2017 23:07	WG1018380
Di-isopropyl ether	U		0.000302	0.00122	1	09/08/2017 23:07	WG1018380
Ethylbenzene	U		0.000362	0.00122	1	09/08/2017 23:07	WG1018380
Hexachloro-1,3-butadiene	U		0.000417	0.00122	1	09/08/2017 23:07	WG1018380
2-Hexanone	U		0.00167	0.0122	1	09/08/2017 23:07	WG1018380
n-Hexane	U		0.000354	0.0122	1	09/08/2017 23:07	WG1018380
Iodomethane	U		0.00308	0.0122	1	09/08/2017 23:07	WG1018380
Isopropylbenzene	U		0.000296	0.00122	1	09/08/2017 23:07	WG1018380
p-Isopropyltoluene	U		0.000249	0.00122	1	09/08/2017 23:07	WG1018380
2-Butanone (MEK)	U		0.00571	0.0122	1	09/08/2017 23:07	WG1018380
Methylene Chloride	U		0.00122	0.00610	1	09/08/2017 23:07	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	09/08/2017 23:07	WG1018380

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

Analyte	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	09/08/2017 23:07	WG1018380
Naphthalene	U		0.00122	0.00610	1	09/08/2017 23:07	WG1018380
n-Propylbenzene	U		0.000251	0.00122	1	09/08/2017 23:07	WG1018380
Styrene	U		0.000285	0.00122	1	09/08/2017 23:07	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	09/08/2017 23:07	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	09/08/2017 23:07	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	09/08/2017 23:07	WG1018380
Tetrachloroethene	U		0.000336	0.00122	1	09/08/2017 23:07	WG1018380
Toluene	U		0.000529	0.00610	1	09/08/2017 23:07	WG1018380
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	09/08/2017 23:07	WG1018380
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	09/08/2017 23:07	WG1018380
1,1,1-Trichloroethane	U		0.000349	0.00122	1	09/08/2017 23:07	WG1018380
1,1,2-Trichloroethane	U		0.000338	0.00122	1	09/08/2017 23:07	WG1018380
Trichloroethene	U		0.000340	0.00122	1	09/08/2017 23:07	WG1018380
Trichlorofluoromethane	U		0.000466	0.00610	1	09/08/2017 23:07	WG1018380
1,2,3-Trichloropropane	U		0.000903	0.00305	1	09/08/2017 23:07	WG1018380
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	09/08/2017 23:07	WG1018380
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	09/08/2017 23:07	WG1018380
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	09/08/2017 23:07	WG1018380
Vinyl acetate	U		0.00291	0.0122	1	09/08/2017 23:07	WG1018380
Vinyl chloride	U		0.000355	0.00122	1	09/08/2017 23:07	WG1018380
Xylenes, Total	U		0.000851	0.00366	1	09/08/2017 23:07	WG1018380
(S) Toluene-d8	*98.2*			*80.0-120*		*09/08/2017 23:07*	WG1018380
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/08/2017 23:07*	WG1018380
(S) 4-Bromofluorobenzene	*92.1*			*64.0-132*		*09/08/2017 23:07*	WG1018380

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	86.1		1	09/13/2017 10:25	WG1019358

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0228	J	0.0116	0.0580	1	09/08/2017 23:27	WG1018380
Acrylonitrile	U		0.00208	0.0116	1	09/08/2017 23:27	WG1018380
Benzene	U		0.000313	0.00116	1	09/08/2017 23:27	WG1018380
Bromobenzene	U		0.000330	0.00116	1	09/08/2017 23:27	WG1018380
Bromodichloromethane	U		0.000295	0.00116	1	09/08/2017 23:27	WG1018380
Bromochloromethane	U		0.000453	0.00580	1	09/08/2017 23:27	WG1018380
Bromoform	U		0.000492	0.00116	1	09/08/2017 23:27	WG1018380
Bromomethane	U		0.00156	0.00580	1	09/08/2017 23:27	WG1018380
n-Butylbenzene	U		0.000300	0.00116	1	09/08/2017 23:27	WG1018380
sec-Butylbenzene	U		0.000233	0.00116	1	09/08/2017 23:27	WG1018380
tert-Butylbenzene	U		0.000239	0.00116	1	09/08/2017 23:27	WG1018380
Carbon disulfide	0.000321	J	0.000257	0.00116	1	09/08/2017 23:27	WG1018380
Carbon tetrachloride	U		0.000381	0.00116	1	09/08/2017 23:27	WG1018380
Chlorobenzene	U		0.000246	0.00116	1	09/08/2017 23:27	WG1018380
Chlorodibromomethane	U		0.000433	0.00116	1	09/08/2017 23:27	WG1018380
Chloroethane	U		0.00110	0.00580	1	09/08/2017 23:27	WG1018380
Chloroform	U		0.000266	0.00580	1	09/08/2017 23:27	WG1018380
Chloromethane	U		0.000435	0.00290	1	09/08/2017 23:27	WG1018380
2-Chlorotoluene	U		0.000349	0.00116	1	09/08/2017 23:27	WG1018380
4-Chlorotoluene	U		0.000279	0.00116	1	09/08/2017 23:27	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	09/08/2017 23:27	WG1018380
1,2-Dibromoethane	U		0.000398	0.00116	1	09/08/2017 23:27	WG1018380
Dibromomethane	U		0.000443	0.00116	1	09/08/2017 23:27	WG1018380
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/08/2017 23:27	WG1018380
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/08/2017 23:27	WG1018380
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/08/2017 23:27	WG1018380
Dichlorodifluoromethane	U		0.000828	0.00580	1	09/08/2017 23:27	WG1018380
1,1-Dichloroethane	U		0.000231	0.00116	1	09/08/2017 23:27	WG1018380
1,2-Dichloroethane	U		0.000308	0.00116	1	09/08/2017 23:27	WG1018380
1,1-Dichloroethene	0.000375	J	0.000352	0.00116	1	09/08/2017 23:27	WG1018380
cis-1,2-Dichloroethene	0.0787		0.000273	0.00116	1	09/08/2017 23:27	WG1018380
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/08/2017 23:27	WG1018380
1,2-Dichloropropane	U		0.000416	0.00116	1	09/08/2017 23:27	WG1018380
1,1-Dichloropropene	U		0.000368	0.00116	1	09/08/2017 23:27	WG1018380
1,3-Dichloropropane	U		0.000240	0.00116	1	09/08/2017 23:27	WG1018380
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/08/2017 23:27	WG1018380
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/08/2017 23:27	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	09/08/2017 23:27	WG1018380
2,2-Dichloropropane	U		0.000324	0.00116	1	09/08/2017 23:27	WG1018380
Di-isopropyl ether	U		0.000288	0.00116	1	09/08/2017 23:27	WG1018380
Ethylbenzene	U		0.000345	0.00116	1	09/08/2017 23:27	WG1018380
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/08/2017 23:27	WG1018380
2-Hexanone	U		0.00159	0.0116	1	09/08/2017 23:27	WG1018380
n-Hexane	U		0.000337	0.0116	1	09/08/2017 23:27	WG1018380
Iodomethane	U		0.00294	0.0116	1	09/08/2017 23:27	WG1018380
Isopropylbenzene	U		0.000282	0.00116	1	09/08/2017 23:27	WG1018380
p-Isopropyltoluene	U		0.000237	0.00116	1	09/08/2017 23:27	WG1018380
2-Butanone (MEK)	0.0155		0.00543	0.0116	1	09/08/2017 23:27	WG1018380
Methylene Chloride	U		0.00116	0.00580	1	09/08/2017 23:27	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/08/2017 23:27	WG1018380

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

Analyte	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	09/08/2017 23:27	WG1018380
Naphthalene	U		0.00116	0.00580	1	09/08/2017 23:27	WG1018380
n-Propylbenzene	U		0.000239	0.00116	1	09/08/2017 23:27	WG1018380
Styrene	U		0.000272	0.00116	1	09/08/2017 23:27	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/08/2017 23:27	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/08/2017 23:27	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/08/2017 23:27	WG1018380
Tetrachloroethene	U		0.000320	0.00116	1	09/08/2017 23:27	WG1018380
Toluene	U		0.000504	0.00580	1	09/08/2017 23:27	WG1018380
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/08/2017 23:27	WG1018380
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/08/2017 23:27	WG1018380
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/08/2017 23:27	WG1018380
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/08/2017 23:27	WG1018380
Trichloroethene	U		0.000324	0.00116	1	09/08/2017 23:27	WG1018380
Trichlorofluoromethane	U		0.000443	0.00580	1	09/08/2017 23:27	WG1018380
1,2,3-Trichloropropane	U		0.000860	0.00290	1	09/08/2017 23:27	WG1018380
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/08/2017 23:27	WG1018380
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/08/2017 23:27	WG1018380
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/08/2017 23:27	WG1018380
Vinyl acetate	U		0.00277	0.0116	1	09/08/2017 23:27	WG1018380
Vinyl chloride	0.00462		0.000338	0.00116	1	09/08/2017 23:27	WG1018380
Xylenes, Total	U		0.000810	0.00348	1	09/08/2017 23:27	WG1018380
(S) Toluene-d8	*98.8*			*80.0-120*		*09/08/2017 23:27*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/08/2017 23:27*	WG1018380
(S) 4-Bromofluorobenzene	*91.3*			*64.0-132*		*09/08/2017 23:27*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	09/08/2017 23:48	WG1018380
Acrylonitrile	U		0.00206	0.0115	1	09/08/2017 23:48	WG1018380
Benzene	U		0.000311	0.00115	1	09/08/2017 23:48	WG1018380
Bromobenzene	U		0.000327	0.00115	1	09/08/2017 23:48	WG1018380
Bromodichloromethane	U		0.000292	0.00115	1	09/08/2017 23:48	WG1018380
Bromochloromethane	U		0.000449	0.00576	1	09/08/2017 23:48	WG1018380
Bromoform	U		0.000488	0.00115	1	09/08/2017 23:48	WG1018380
Bromomethane	U		0.00154	0.00576	1	09/08/2017 23:48	WG1018380
n-Butylbenzene	U		0.000297	0.00115	1	09/08/2017 23:48	WG1018380
sec-Butylbenzene	U		0.000231	0.00115	1	09/08/2017 23:48	WG1018380
tert-Butylbenzene	U		0.000237	0.00115	1	09/08/2017 23:48	WG1018380
Carbon disulfide	0.00111	J	0.000254	0.00115	1	09/08/2017 23:48	WG1018380
Carbon tetrachloride	U		0.000378	0.00115	1	09/08/2017 23:48	WG1018380
Chlorobenzene	U		0.000244	0.00115	1	09/08/2017 23:48	WG1018380
Chlorodibromomethane	U		0.000430	0.00115	1	09/08/2017 23:48	WG1018380
Chloroethane	U		0.00109	0.00576	1	09/08/2017 23:48	WG1018380
Chloroform	U		0.000264	0.00576	1	09/08/2017 23:48	WG1018380
Chloromethane	U		0.000432	0.00288	1	09/08/2017 23:48	WG1018380
2-Chlorotoluene	U		0.000347	0.00115	1	09/08/2017 23:48	WG1018380
4-Chlorotoluene	U		0.000276	0.00115	1	09/08/2017 23:48	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	09/08/2017 23:48	WG1018380
1,2-Dibromoethane	U		0.000395	0.00115	1	09/08/2017 23:48	WG1018380
Dibromomethane	U		0.000440	0.00115	1	09/08/2017 23:48	WG1018380
1,2-Dichlorobenzene	U		0.000351	0.00115	1	09/08/2017 23:48	WG1018380
1,3-Dichlorobenzene	U		0.000275	0.00115	1	09/08/2017 23:48	WG1018380
1,4-Dichlorobenzene	U		0.000260	0.00115	1	09/08/2017 23:48	WG1018380
Dichlorodifluoromethane	U		0.000821	0.00576	1	09/08/2017 23:48	WG1018380
1,1-Dichloroethane	U		0.000229	0.00115	1	09/08/2017 23:48	WG1018380
1,2-Dichloroethane	U		0.000305	0.00115	1	09/08/2017 23:48	WG1018380
1,1-Dichloroethene	0.00515		0.000349	0.00115	1	09/08/2017 23:48	WG1018380
cis-1,2-Dichloroethene	3.14		0.0136	0.0576	50	09/10/2017 17:21	WG1018380
trans-1,2-Dichloroethene	0.000366	J	0.000304	0.00115	1	09/08/2017 23:48	WG1018380
1,2-Dichloropropane	U		0.000412	0.00115	1	09/08/2017 23:48	WG1018380
1,1-Dichloropropene	U		0.000365	0.00115	1	09/08/2017 23:48	WG1018380
1,3-Dichloropropane	U		0.000238	0.00115	1	09/08/2017 23:48	WG1018380
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	09/08/2017 23:48	WG1018380
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	09/08/2017 23:48	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000896	0.00288	1	09/08/2017 23:48	WG1018380
2,2-Dichloropropane	U		0.000321	0.00115	1	09/08/2017 23:48	WG1018380
Di-isopropyl ether	U		0.000286	0.00115	1	09/08/2017 23:48	WG1018380
Ethylbenzene	U		0.000342	0.00115	1	09/08/2017 23:48	WG1018380
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	09/08/2017 23:48	WG1018380
2-Hexanone	U		0.00158	0.0115	1	09/08/2017 23:48	WG1018380
n-Hexane	U		0.000334	0.0115	1	09/08/2017 23:48	WG1018380
Iodomethane	U		0.00291	0.0115	1	09/08/2017 23:48	WG1018380
Isopropylbenzene	U		0.000280	0.00115	1	09/08/2017 23:48	WG1018380
p-Isopropyltoluene	U		0.000235	0.00115	1	09/08/2017 23:48	WG1018380
2-Butanone (MEK)	U		0.00539	0.0115	1	09/08/2017 23:48	WG1018380
Methylene Chloride	U		0.00115	0.00576	1	09/08/2017 23:48	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/08/2017 23:48	WG1018380

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

Analyte	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	09/08/2017 23:48	WG1018380
Naphthalene	U		0.00115	0.00576	1	09/08/2017 23:48	WG1018380
n-Propylbenzene	U		0.000237	0.00115	1	09/08/2017 23:48	WG1018380
Styrene	U		0.000269	0.00115	1	09/08/2017 23:48	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	09/08/2017 23:48	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	09/08/2017 23:48	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	09/08/2017 23:48	WG1018380
Tetrachloroethene	0.0255		0.000318	0.00115	1	09/08/2017 23:48	WG1018380
Toluene	U		0.000500	0.00576	1	09/08/2017 23:48	WG1018380
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	09/08/2017 23:48	WG1018380
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	09/08/2017 23:48	WG1018380
1,1,1-Trichloroethane	U		0.000329	0.00115	1	09/08/2017 23:48	WG1018380
1,1,2-Trichloroethane	U		0.000319	0.00115	1	09/08/2017 23:48	WG1018380
Trichloroethene	0.00178		0.000321	0.00115	1	09/08/2017 23:48	WG1018380
Trichlorofluoromethane	U		0.000440	0.00576	1	09/08/2017 23:48	WG1018380
1,2,3-Trichloropropane	U		0.000853	0.00288	1	09/08/2017 23:48	WG1018380
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	09/08/2017 23:48	WG1018380
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	09/08/2017 23:48	WG1018380
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	09/08/2017 23:48	WG1018380
Vinyl acetate	U		0.00275	0.0115	1	09/08/2017 23:48	WG1018380
Vinyl chloride	0.00259		0.000335	0.00115	1	09/08/2017 23:48	WG1018380
Xylenes, Total	U		0.000804	0.00345	1	09/08/2017 23:48	WG1018380
(S) Toluene-d8	*104*			*80.0-120*		*09/10/2017 17:21*	WG1018380
(S) Toluene-d8	*97.0*			*80.0-120*		*09/08/2017 23:48*	WG1018380
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/08/2017 23:48*	WG1018380
(S) Dibromofluoromethane	*95.6*			*74.0-131*		*09/10/2017 17:21*	WG1018380
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*		*09/08/2017 23:48*	WG1018380
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*09/10/2017 17:21*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	0.0599	1	09/09/2017 00:08	WG1018380
Acrylonitrile	U		0.00214	0.0120	1	09/09/2017 00:08	WG1018380
Benzene	U		0.000323	0.00120	1	09/09/2017 00:08	WG1018380
Bromobenzene	U		0.000340	0.00120	1	09/09/2017 00:08	WG1018380
Bromodichloromethane	U		0.000304	0.00120	1	09/09/2017 00:08	WG1018380
Bromochloromethane	U		0.000467	0.00599	1	09/09/2017 00:08	WG1018380
Bromoform	U		0.000508	0.00120	1	09/09/2017 00:08	WG1018380
Bromomethane	U		0.00161	0.00599	1	09/09/2017 00:08	WG1018380
n-Butylbenzene	U		0.000309	0.00120	1	09/09/2017 00:08	WG1018380
sec-Butylbenzene	U		0.000241	0.00120	1	09/09/2017 00:08	WG1018380
tert-Butylbenzene	U		0.000247	0.00120	1	09/09/2017 00:08	WG1018380
Carbon disulfide	0.000452	J	0.000265	0.00120	1	09/09/2017 00:08	WG1018380
Carbon tetrachloride	U		0.000393	0.00120	1	09/09/2017 00:08	WG1018380
Chlorobenzene	U		0.000254	0.00120	1	09/09/2017 00:08	WG1018380
Chlorodibromomethane	U		0.000447	0.00120	1	09/09/2017 00:08	WG1018380
Chloroethane	U		0.00113	0.00599	1	09/09/2017 00:08	WG1018380
Chloroform	U		0.000274	0.00599	1	09/09/2017 00:08	WG1018380
Chloromethane	U		0.000449	0.00299	1	09/09/2017 00:08	WG1018380
2-Chlorotoluene	U		0.000361	0.00120	1	09/09/2017 00:08	WG1018380
4-Chlorotoluene	U		0.000287	0.00120	1	09/09/2017 00:08	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00599	1	09/09/2017 00:08	WG1018380
1,2-Dibromoethane	U		0.000411	0.00120	1	09/09/2017 00:08	WG1018380
Dibromomethane	U		0.000458	0.00120	1	09/09/2017 00:08	WG1018380
1,2-Dichlorobenzene	U		0.000365	0.00120	1	09/09/2017 00:08	WG1018380
1,3-Dichlorobenzene	U		0.000286	0.00120	1	09/09/2017 00:08	WG1018380
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/09/2017 00:08	WG1018380
Dichlorodifluoromethane	U		0.000854	0.00599	1	09/09/2017 00:08	WG1018380
1,1-Dichloroethane	U		0.000238	0.00120	1	09/09/2017 00:08	WG1018380
1,2-Dichloroethane	U		0.000317	0.00120	1	09/09/2017 00:08	WG1018380
1,1-Dichloroethene	U		0.000363	0.00120	1	09/09/2017 00:08	WG1018380
cis-1,2-Dichloroethene	U		0.000281	0.00120	1	09/10/2017 17:04	WG1018380
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	09/09/2017 00:08	WG1018380
1,2-Dichloropropane	U		0.000429	0.00120	1	09/09/2017 00:08	WG1018380
1,1-Dichloropropene	U		0.000380	0.00120	1	09/09/2017 00:08	WG1018380
1,3-Dichloropropane	U		0.000248	0.00120	1	09/09/2017 00:08	WG1018380
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	09/09/2017 00:08	WG1018380
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	09/09/2017 00:08	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000932	0.00299	1	09/09/2017 00:08	WG1018380
2,2-Dichloropropane	U		0.000334	0.00120	1	09/09/2017 00:08	WG1018380
Di-isopropyl ether	U		0.000297	0.00120	1	09/09/2017 00:08	WG1018380
Ethylbenzene	U		0.000356	0.00120	1	09/09/2017 00:08	WG1018380
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	09/09/2017 00:08	WG1018380
2-Hexanone	U		0.00164	0.0120	1	09/09/2017 00:08	WG1018380
n-Hexane	U		0.000347	0.0120	1	09/09/2017 00:08	WG1018380
Iodomethane	U		0.00303	0.0120	1	09/09/2017 00:08	WG1018380
Isopropylbenzene	U		0.000291	0.00120	1	09/09/2017 00:08	WG1018380
p-Isopropyltoluene	U		0.000244	0.00120	1	09/09/2017 00:08	WG1018380
2-Butanone (MEK)	U		0.00561	0.0120	1	09/09/2017 00:08	WG1018380
Methylene Chloride	U		0.00120	0.00599	1	09/09/2017 00:08	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	09/09/2017 00:08	WG1018380

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

Analyte	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	09/09/2017 00:08	WG1018380
Naphthalene	U		0.00120	0.00599	1	09/09/2017 00:08	WG1018380
n-Propylbenzene	U		0.000247	0.00120	1	09/09/2017 00:08	WG1018380
Styrene	U		0.000280	0.00120	1	09/09/2017 00:08	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	09/09/2017 00:08	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	09/09/2017 00:08	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	09/09/2017 00:08	WG1018380
Tetrachloroethene	U		0.000331	0.00120	1	09/09/2017 00:08	WG1018380
Toluene	U		0.000520	0.00599	1	09/09/2017 00:08	WG1018380
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	09/09/2017 00:08	WG1018380
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	09/09/2017 00:08	WG1018380
1,1,1-Trichloroethane	U		0.000343	0.00120	1	09/09/2017 00:08	WG1018380
1,1,2-Trichloroethane	U		0.000332	0.00120	1	09/09/2017 00:08	WG1018380
Trichloroethene	U		0.000334	0.00120	1	09/09/2017 00:08	WG1018380
Trichlorofluoromethane	U		0.000458	0.00599	1	09/09/2017 00:08	WG1018380
1,2,3-Trichloropropane	U		0.000888	0.00299	1	09/09/2017 00:08	WG1018380
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/09/2017 00:08	WG1018380
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	09/09/2017 00:08	WG1018380
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	09/09/2017 00:08	WG1018380
Vinyl acetate	U		0.00286	0.0120	1	09/09/2017 00:08	WG1018380
Vinyl chloride	U		0.000349	0.00120	1	09/09/2017 00:08	WG1018380
Xylenes, Total	U		0.000836	0.00359	1	09/09/2017 00:08	WG1018380
(S) Toluene-d8	*95.6*			*80.0-120*		*09/09/2017 00:08*	WG1018380
(S) Toluene-d8	*92.8*			*80.0-120*		*09/10/2017 17:04*	WG1018380
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/10/2017 17:04*	WG1018380
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/09/2017 00:08*	WG1018380
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*09/10/2017 17:04*	WG1018380
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*09/09/2017 00:08*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	0.0570	1	09/09/2017 00:29	WG1018380
Acrylonitrile	U		0.00204	0.0114	1	09/09/2017 00:29	WG1018380
Benzene	U		0.000308	0.00114	1	09/09/2017 00:29	WG1018380
Bromobenzene	U		0.000324	0.00114	1	09/09/2017 00:29	WG1018380
Bromodichloromethane	U		0.000289	0.00114	1	09/09/2017 00:29	WG1018380
Bromochloromethane	U		0.000444	0.00570	1	09/09/2017 00:29	WG1018380
Bromoform	U		0.000483	0.00114	1	09/09/2017 00:29	WG1018380
Bromomethane	U		0.00153	0.00570	1	09/09/2017 00:29	WG1018380
n-Butylbenzene	U		0.000294	0.00114	1	09/09/2017 00:29	WG1018380
sec-Butylbenzene	U		0.000229	0.00114	1	09/09/2017 00:29	WG1018380
tert-Butylbenzene	U		0.000235	0.00114	1	09/09/2017 00:29	WG1018380
Carbon disulfide	0.000537	J	0.000252	0.00114	1	09/09/2017 00:29	WG1018380
Carbon tetrachloride	U		0.000374	0.00114	1	09/09/2017 00:29	WG1018380
Chlorobenzene	U		0.000242	0.00114	1	09/09/2017 00:29	WG1018380
Chlorodibromomethane	U		0.000425	0.00114	1	09/09/2017 00:29	WG1018380
Chloroethane	U		0.00108	0.00570	1	09/09/2017 00:29	WG1018380
Chloroform	U		0.000261	0.00570	1	09/09/2017 00:29	WG1018380
Chloromethane	U		0.000427	0.00285	1	09/09/2017 00:29	WG1018380
2-Chlorotoluene	U		0.000343	0.00114	1	09/09/2017 00:29	WG1018380
4-Chlorotoluene	U		0.000273	0.00114	1	09/09/2017 00:29	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	09/09/2017 00:29	WG1018380
1,2-Dibromoethane	U		0.000391	0.00114	1	09/09/2017 00:29	WG1018380
Dibromomethane	U		0.000435	0.00114	1	09/09/2017 00:29	WG1018380
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/09/2017 00:29	WG1018380
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/09/2017 00:29	WG1018380
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/09/2017 00:29	WG1018380
Dichlorodifluoromethane	U		0.000812	0.00570	1	09/09/2017 00:29	WG1018380
1,1-Dichloroethane	U		0.000227	0.00114	1	09/09/2017 00:29	WG1018380
1,2-Dichloroethane	U		0.000302	0.00114	1	09/09/2017 00:29	WG1018380
1,1-Dichloroethene	U		0.000345	0.00114	1	09/09/2017 00:29	WG1018380
cis-1,2-Dichloroethene	U		0.000268	0.00114	1	09/09/2017 00:29	WG1018380
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	09/09/2017 00:29	WG1018380
1,2-Dichloropropane	U		0.000408	0.00114	1	09/09/2017 00:29	WG1018380
1,1-Dichloropropene	U		0.000361	0.00114	1	09/09/2017 00:29	WG1018380
1,3-Dichloropropane	U		0.000236	0.00114	1	09/09/2017 00:29	WG1018380
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/09/2017 00:29	WG1018380
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/09/2017 00:29	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	09/09/2017 00:29	WG1018380
2,2-Dichloropropane	U		0.000318	0.00114	1	09/09/2017 00:29	WG1018380
Di-isopropyl ether	U		0.000283	0.00114	1	09/09/2017 00:29	WG1018380
Ethylbenzene	U		0.000338	0.00114	1	09/09/2017 00:29	WG1018380
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/09/2017 00:29	WG1018380
2-Hexanone	U		0.00156	0.0114	1	09/09/2017 00:29	WG1018380
n-Hexane	U		0.000330	0.0114	1	09/09/2017 00:29	WG1018380
Iodomethane	U		0.00288	0.0114	1	09/09/2017 00:29	WG1018380
Isopropylbenzene	U		0.000277	0.00114	1	09/09/2017 00:29	WG1018380
p-Isopropyltoluene	U		0.000232	0.00114	1	09/09/2017 00:29	WG1018380
2-Butanone (MEK)	U		0.00533	0.0114	1	09/09/2017 00:29	WG1018380
Methylene Chloride	U		0.00114	0.00570	1	09/09/2017 00:29	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/09/2017 00:29	WG1018380

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

Analyte	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	09/09/2017 00:29	WG1018380
Naphthalene	U		0.00114	0.00570	1	09/09/2017 00:29	WG1018380
n-Propylbenzene	U		0.000235	0.00114	1	09/09/2017 00:29	WG1018380
Styrene	U		0.000267	0.00114	1	09/09/2017 00:29	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/09/2017 00:29	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/09/2017 00:29	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/09/2017 00:29	WG1018380
Tetrachloroethene	U		0.000314	0.00114	1	09/09/2017 00:29	WG1018380
Toluene	U		0.000494	0.00570	1	09/09/2017 00:29	WG1018380
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/09/2017 00:29	WG1018380
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	09/09/2017 00:29	WG1018380
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/09/2017 00:29	WG1018380
1,1,2-Trichloroethane	U		0.000316	0.00114	1	09/09/2017 00:29	WG1018380
Trichloroethene	U		0.000318	0.00114	1	09/09/2017 00:29	WG1018380
Trichlorofluoromethane	U		0.000435	0.00570	1	09/09/2017 00:29	WG1018380
1,2,3-Trichloropropane	U		0.000844	0.00285	1	09/09/2017 00:29	WG1018380
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	09/09/2017 00:29	WG1018380
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/09/2017 00:29	WG1018380
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/09/2017 00:29	WG1018380
Vinyl acetate	U		0.00272	0.0114	1	09/09/2017 00:29	WG1018380
Vinyl chloride	U		0.000332	0.00114	1	09/09/2017 00:29	WG1018380
Xylenes, Total	U		0.000795	0.00342	1	09/09/2017 00:29	WG1018380
(S) Toluene-d8	*98.8*			*80.0-120*		*09/09/2017 00:29*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 00:29*	WG1018380
(S) 4-Bromofluorobenzene	*94.1*			*64.0-132*		*09/09/2017 00:29*	WG1018380

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	712		31.6	100	1	09/11/2017 01:55	WG1018315
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-122*		*09/11/2017 01:55*	WG1018315

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	9.61	J	1.05	25.0	1	09/09/2017 15:59	WG1018559
Acrylonitrile	U		0.873	5.00	1	09/09/2017 15:59	WG1018559
Benzene	3.22		0.0896	0.500	1	09/09/2017 15:59	WG1018559
Bromobenzene	U		0.133	0.500	1	09/09/2017 15:59	WG1018559
Bromodichloromethane	U		0.0800	0.500	1	09/09/2017 15:59	WG1018559
Bromochloromethane	U		0.145	0.500	1	09/09/2017 15:59	WG1018559
Bromoform	U		0.186	0.500	1	09/09/2017 15:59	WG1018559
Bromomethane	U		0.157	2.50	1	09/09/2017 15:59	WG1018559
n-Butylbenzene	U		0.143	0.500	1	09/09/2017 15:59	WG1018559
sec-Butylbenzene	U		0.134	0.500	1	09/09/2017 15:59	WG1018559
tert-Butylbenzene	U		0.183	0.500	1	09/09/2017 15:59	WG1018559
Carbon disulfide	0.166	J	0.101	0.500	1	09/09/2017 15:59	WG1018559
Carbon tetrachloride	U		0.159	0.500	1	09/09/2017 15:59	WG1018559
Chlorobenzene	U		0.140	0.500	1	09/09/2017 15:59	WG1018559
Chlorodibromomethane	U		0.128	0.500	1	09/09/2017 15:59	WG1018559
Chloroethane	U		0.141	2.50	1	09/09/2017 15:59	WG1018559
Chloroform	U		0.0860	0.500	1	09/09/2017 15:59	WG1018559
Chloromethane	1.93		0.153	1.25	1	09/09/2017 15:59	WG1018559
2-Chlorotoluene	U		0.111	0.500	1	09/09/2017 15:59	WG1018559
4-Chlorotoluene	U		0.0972	0.500	1	09/09/2017 15:59	WG1018559
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/09/2017 15:59	WG1018559
1,2-Dibromoethane	U		0.193	0.500	1	09/09/2017 15:59	WG1018559
Dibromomethane	U		0.117	0.500	1	09/09/2017 15:59	WG1018559
1,2-Dichlorobenzene	U		0.101	0.500	1	09/09/2017 15:59	WG1018559
1,3-Dichlorobenzene	U		0.130	0.500	1	09/09/2017 15:59	WG1018559
1,4-Dichlorobenzene	U		0.121	0.500	1	09/09/2017 15:59	WG1018559
Dichlorodifluoromethane	U		0.127	2.50	1	09/09/2017 15:59	WG1018559
1,1-Dichloroethane	U		0.114	0.500	1	09/09/2017 15:59	WG1018559
1,2-Dichloroethane	U		0.108	0.500	1	09/09/2017 15:59	WG1018559
1,1-Dichloroethene	U		0.188	0.500	1	09/09/2017 15:59	WG1018559
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/09/2017 15:59	WG1018559
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/09/2017 15:59	WG1018559
1,2-Dichloropropane	U		0.190	0.500	1	09/09/2017 15:59	WG1018559
1,1-Dichloropropene	U		0.128	0.500	1	09/09/2017 15:59	WG1018559
1,3-Dichloropropane	U		0.147	1.00	1	09/09/2017 15:59	WG1018559
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/09/2017 15:59	WG1018559
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/09/2017 15:59	WG1018559
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/09/2017 15:59	WG1018559
2,2-Dichloropropane	U		0.0929	0.500	1	09/09/2017 15:59	WG1018559
Di-isopropyl ether	U		0.0924	0.500	1	09/09/2017 15:59	WG1018559
Ethylbenzene	U		0.158	0.500	1	09/09/2017 15:59	WG1018559
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/09/2017 15:59	WG1018559
2-Hexanone	U		0.757	5.00	1	09/09/2017 15:59	WG1018559
n-Hexane	U		0.305	5.00	1	09/09/2017 15:59	WG1018559
Iodomethane	U		0.377	10.0	1	09/09/2017 15:59	WG1018559
Isopropylbenzene	U		0.126	0.500	1	09/09/2017 15:59	WG1018559
p-Isopropyltoluene	U		0.138	0.500	1	09/09/2017 15:59	WG1018559
2-Butanone (MEK)	7.90		1.28	5.00	1	09/09/2017 15:59	WG1018559

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	09/09/2017 15:59	WG1018559
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/09/2017 15:59	WG1018559
Methyl tert-butyl ether	U		0.102	0.500	1	09/09/2017 15:59	WG1018559
Naphthalene	U		0.174	2.50	1	09/09/2017 15:59	WG1018559
n-Propylbenzene	U		0.162	0.500	1	09/09/2017 15:59	WG1018559
Styrene	U		0.117	0.500	1	09/09/2017 15:59	WG1018559
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/09/2017 15:59	WG1018559
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/09/2017 15:59	WG1018559
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/09/2017 15:59	WG1018559
Tetrachloroethene	U		0.199	0.500	1	09/09/2017 15:59	WG1018559
Toluene	436		4.12	5.00	10	09/11/2017 01:41	WG1018559
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/09/2017 15:59	WG1018559
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/09/2017 15:59	WG1018559
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/09/2017 15:59	WG1018559
1,1,2-Trichloroethane	U		0.186	0.500	1	09/09/2017 15:59	WG1018559
Trichloroethene	U		0.153	0.500	1	09/09/2017 15:59	WG1018559
Trichlorofluoromethane	U		0.130	2.50	1	09/09/2017 15:59	WG1018559
1,2,3-Trichloropropane	U		0.247	2.50	1	09/09/2017 15:59	WG1018559
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/09/2017 15:59	WG1018559
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/09/2017 15:59	WG1018559
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/09/2017 15:59	WG1018559
Vinyl acetate	U		0.645	5.00	1	09/09/2017 15:59	WG1018559
Vinyl chloride	0.424	J	0.118	0.500	1	09/09/2017 15:59	WG1018559
Xylenes, Total	U		0.316	1.50	1	09/09/2017 15:59	WG1018559
(S) Toluene-d8	*103*			*80.0-120*		*09/11/2017 01:41*	WG1018559
(S) Toluene-d8	*101*			*80.0-120*		*09/09/2017 15:59*	WG1018559
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/09/2017 15:59*	WG1018559
(S) Dibromofluoromethane	*112*			*76.0-123*		*09/11/2017 01:41*	WG1018559
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*09/09/2017 15:59*	WG1018559
(S) 4-Bromofluorobenzene	*114*			*80.0-120*		*09/11/2017 01:41*	WG1018559

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	09/13/2017 10:25	WG1019358

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0124	0.0618	1	09/09/2017 00:49	WG1018380
Acrylonitrile	U		0.00221	0.0124	1	09/09/2017 00:49	WG1018380
Benzene	U		0.000334	0.00124	1	09/09/2017 00:49	WG1018380
Bromobenzene	U		0.000351	0.00124	1	09/09/2017 00:49	WG1018380
Bromodichloromethane	U		0.000314	0.00124	1	09/09/2017 00:49	WG1018380
Bromochloromethane	U		0.000482	0.00618	1	09/09/2017 00:49	WG1018380
Bromoform	U		0.000524	0.00124	1	09/09/2017 00:49	WG1018380
Bromomethane	U		0.00166	0.00618	1	09/09/2017 00:49	WG1018380
n-Butylbenzene	U		0.000319	0.00124	1	09/09/2017 00:49	WG1018380
sec-Butylbenzene	U		0.000248	0.00124	1	09/09/2017 00:49	WG1018380
tert-Butylbenzene	U		0.000254	0.00124	1	09/09/2017 00:49	WG1018380
Carbon disulfide	U		0.000273	0.00124	1	09/09/2017 00:49	WG1018380
Carbon tetrachloride	U		0.000405	0.00124	1	09/09/2017 00:49	WG1018380
Chlorobenzene	U		0.000262	0.00124	1	09/09/2017 00:49	WG1018380
Chlorodibromomethane	U		0.000461	0.00124	1	09/09/2017 00:49	WG1018380
Chloroethane	U		0.00117	0.00618	1	09/09/2017 00:49	WG1018380
Chloroform	U		0.000283	0.00618	1	09/09/2017 00:49	WG1018380
Chloromethane	U		0.000463	0.00309	1	09/09/2017 00:49	WG1018380
2-Chlorotoluene	U		0.000372	0.00124	1	09/09/2017 00:49	WG1018380
4-Chlorotoluene	U		0.000296	0.00124	1	09/09/2017 00:49	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00618	1	09/09/2017 00:49	WG1018380
1,2-Dibromoethane	U		0.000424	0.00124	1	09/09/2017 00:49	WG1018380
Dibromomethane	U		0.000472	0.00124	1	09/09/2017 00:49	WG1018380
1,2-Dichlorobenzene	U		0.000377	0.00124	1	09/09/2017 00:49	WG1018380
1,3-Dichlorobenzene	U		0.000295	0.00124	1	09/09/2017 00:49	WG1018380
1,4-Dichlorobenzene	U		0.000279	0.00124	1	09/09/2017 00:49	WG1018380
Dichlorodifluoromethane	U		0.000881	0.00618	1	09/09/2017 00:49	WG1018380
1,1-Dichloroethane	U		0.000246	0.00124	1	09/09/2017 00:49	WG1018380
1,2-Dichloroethane	U		0.000327	0.00124	1	09/09/2017 00:49	WG1018380
1,1-Dichloroethene	U		0.000374	0.00124	1	09/09/2017 00:49	WG1018380
cis-1,2-Dichloroethene	U		0.000290	0.00124	1	09/09/2017 00:49	WG1018380
trans-1,2-Dichloroethene	U		0.000326	0.00124	1	09/09/2017 00:49	WG1018380
1,2-Dichloropropane	U		0.000442	0.00124	1	09/09/2017 00:49	WG1018380
1,1-Dichloropropene	U		0.000392	0.00124	1	09/09/2017 00:49	WG1018380
1,3-Dichloropropane	U		0.000256	0.00124	1	09/09/2017 00:49	WG1018380
cis-1,3-Dichloropropene	U		0.000324	0.00124	1	09/09/2017 00:49	WG1018380
trans-1,3-Dichloropropene	U		0.000330	0.00124	1	09/09/2017 00:49	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000961	0.00309	1	09/09/2017 00:49	WG1018380
2,2-Dichloropropane	U		0.000345	0.00124	1	09/09/2017 00:49	WG1018380
Di-isopropyl ether	U		0.000306	0.00124	1	09/09/2017 00:49	WG1018380
Ethylbenzene	U		0.000367	0.00124	1	09/09/2017 00:49	WG1018380
Hexachloro-1,3-butadiene	U		0.000422	0.00124	1	09/09/2017 00:49	WG1018380
2-Hexanone	U		0.00169	0.0124	1	09/09/2017 00:49	WG1018380
n-Hexane	U		0.000358	0.0124	1	09/09/2017 00:49	WG1018380
Iodomethane	U		0.00313	0.0124	1	09/09/2017 00:49	WG1018380
Isopropylbenzene	U		0.000300	0.00124	1	09/09/2017 00:49	WG1018380
p-Isopropyltoluene	U		0.000252	0.00124	1	09/09/2017 00:49	WG1018380
2-Butanone (MEK)	U		0.00578	0.0124	1	09/09/2017 00:49	WG1018380
Methylene Chloride	U		0.00124	0.00618	1	09/09/2017 00:49	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0124	1	09/09/2017 00:49	WG1018380

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		0.000262	0.00124	1	09/09/2017 00:49	WG1018380
Naphthalene	U		0.00124	0.00618	1	09/09/2017 00:49	WG1018380
n-Propylbenzene	U		0.000254	0.00124	1	09/09/2017 00:49	WG1018380
Styrene	U		0.000289	0.00124	1	09/09/2017 00:49	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000326	0.00124	1	09/09/2017 00:49	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000451	0.00124	1	09/09/2017 00:49	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000451	0.00124	1	09/09/2017 00:49	WG1018380
Tetrachloroethene	U		0.000341	0.00124	1	09/09/2017 00:49	WG1018380
Toluene	U		0.000536	0.00618	1	09/09/2017 00:49	WG1018380
1,2,3-Trichlorobenzene	U		0.000378	0.00124	1	09/09/2017 00:49	WG1018380
1,2,4-Trichlorobenzene	U		0.000479	0.00124	1	09/09/2017 00:49	WG1018380
1,1,1-Trichloroethane	U		0.000353	0.00124	1	09/09/2017 00:49	WG1018380
1,1,2-Trichloroethane	U		0.000342	0.00124	1	09/09/2017 00:49	WG1018380
Trichloroethene	U		0.000345	0.00124	1	09/09/2017 00:49	WG1018380
Trichlorofluoromethane	U		0.000472	0.00618	1	09/09/2017 00:49	WG1018380
1,2,3-Trichloropropane	U		0.000915	0.00309	1	09/09/2017 00:49	WG1018380
1,2,4-Trimethylbenzene	U		0.000261	0.00124	1	09/09/2017 00:49	WG1018380
1,2,3-Trimethylbenzene	U		0.000355	0.00124	1	09/09/2017 00:49	WG1018380
1,3,5-Trimethylbenzene	U		0.000329	0.00124	1	09/09/2017 00:49	WG1018380
Vinyl acetate	U		0.00295	0.0124	1	09/09/2017 00:49	WG1018380
Vinyl chloride	U		0.000359	0.00124	1	09/09/2017 00:49	WG1018380
Xylenes, Total	U		0.000862	0.00371	1	09/09/2017 00:49	WG1018380
(S) Toluene-d8	*98.9*			*80.0-120*		*09/09/2017 00:49*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 00:49*	WG1018380
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*		*09/09/2017 00:49*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	0.0604	1	09/09/2017 01:10	WG1018380
Acrylonitrile	U		0.00216	0.0121	1	09/09/2017 01:10	WG1018380
Benzene	U		0.000326	0.00121	1	09/09/2017 01:10	WG1018380
Bromobenzene	U		0.000343	0.00121	1	09/09/2017 01:10	WG1018380
Bromodichloromethane	U		0.000307	0.00121	1	09/09/2017 01:10	WG1018380
Bromochloromethane	U		0.000471	0.00604	1	09/09/2017 01:10	WG1018380
Bromoform	U		0.000512	0.00121	1	09/09/2017 01:10	WG1018380
Bromomethane	U		0.00162	0.00604	1	09/09/2017 01:10	WG1018380
n-Butylbenzene	U		0.000312	0.00121	1	09/09/2017 01:10	WG1018380
sec-Butylbenzene	U		0.000243	0.00121	1	09/09/2017 01:10	WG1018380
tert-Butylbenzene	U		0.000249	0.00121	1	09/09/2017 01:10	WG1018380
Carbon disulfide	U		0.000267	0.00121	1	09/09/2017 01:10	WG1018380
Carbon tetrachloride	U		0.000396	0.00121	1	09/09/2017 01:10	WG1018380
Chlorobenzene	U		0.000256	0.00121	1	09/09/2017 01:10	WG1018380
Chlorodibromomethane	U		0.000451	0.00121	1	09/09/2017 01:10	WG1018380
Chloroethane	U		0.00114	0.00604	1	09/09/2017 01:10	WG1018380
Chloroform	U		0.000277	0.00604	1	09/09/2017 01:10	WG1018380
Chloromethane	U		0.000453	0.00302	1	09/09/2017 01:10	WG1018380
2-Chlorotoluene	U		0.000364	0.00121	1	09/09/2017 01:10	WG1018380
4-Chlorotoluene	U		0.000290	0.00121	1	09/09/2017 01:10	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00604	1	09/09/2017 01:10	WG1018380
1,2-Dibromoethane	U		0.000415	0.00121	1	09/09/2017 01:10	WG1018380
Dibromomethane	U		0.000462	0.00121	1	09/09/2017 01:10	WG1018380
1,2-Dichlorobenzene	U		0.000369	0.00121	1	09/09/2017 01:10	WG1018380
1,3-Dichlorobenzene	U		0.000289	0.00121	1	09/09/2017 01:10	WG1018380
1,4-Dichlorobenzene	U		0.000273	0.00121	1	09/09/2017 01:10	WG1018380
Dichlorodifluoromethane	U		0.000862	0.00604	1	09/09/2017 01:10	WG1018380
1,1-Dichloroethane	U		0.000241	0.00121	1	09/09/2017 01:10	WG1018380
1,2-Dichloroethane	U		0.000320	0.00121	1	09/09/2017 01:10	WG1018380
1,1-Dichloroethene	U		0.000366	0.00121	1	09/09/2017 01:10	WG1018380
cis-1,2-Dichloroethene	U		0.000284	0.00121	1	09/09/2017 01:10	WG1018380
trans-1,2-Dichloroethene	U		0.000319	0.00121	1	09/09/2017 01:10	WG1018380
1,2-Dichloropropane	U		0.000433	0.00121	1	09/09/2017 01:10	WG1018380
1,1-Dichloropropene	U		0.000383	0.00121	1	09/09/2017 01:10	WG1018380
1,3-Dichloropropane	U		0.000250	0.00121	1	09/09/2017 01:10	WG1018380
cis-1,3-Dichloropropene	U		0.000317	0.00121	1	09/09/2017 01:10	WG1018380
trans-1,3-Dichloropropene	U		0.000323	0.00121	1	09/09/2017 01:10	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000940	0.00302	1	09/09/2017 01:10	WG1018380
2,2-Dichloropropane	U		0.000337	0.00121	1	09/09/2017 01:10	WG1018380
Di-isopropyl ether	U		0.000300	0.00121	1	09/09/2017 01:10	WG1018380
Ethylbenzene	U		0.000359	0.00121	1	09/09/2017 01:10	WG1018380
Hexachloro-1,3-butadiene	U		0.000413	0.00121	1	09/09/2017 01:10	WG1018380
2-Hexanone	U		0.00166	0.0121	1	09/09/2017 01:10	WG1018380
n-Hexane	U		0.000351	0.0121	1	09/09/2017 01:10	WG1018380
Iodomethane	U		0.00306	0.0121	1	09/09/2017 01:10	WG1018380
Isopropylbenzene	U		0.000294	0.00121	1	09/09/2017 01:10	WG1018380
p-Isopropyltoluene	U		0.000247	0.00121	1	09/09/2017 01:10	WG1018380
2-Butanone (MEK)	U		0.00566	0.0121	1	09/09/2017 01:10	WG1018380
Methylene Chloride	U		0.00121	0.00604	1	09/09/2017 01:10	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	09/09/2017 01:10	WG1018380

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

Analyte	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	09/09/2017 01:10	WG1018380
Naphthalene	U		0.00121	0.00604	1	09/09/2017 01:10	WG1018380
n-Propylbenzene	U		0.000249	0.00121	1	09/09/2017 01:10	WG1018380
Styrene	U		0.000283	0.00121	1	09/09/2017 01:10	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000319	0.00121	1	09/09/2017 01:10	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000441	0.00121	1	09/09/2017 01:10	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000441	0.00121	1	09/09/2017 01:10	WG1018380
Tetrachloroethene	0.00111	J	0.000334	0.00121	1	09/09/2017 01:10	WG1018380
Toluene	U		0.000525	0.00604	1	09/09/2017 01:10	WG1018380
1,2,3-Trichlorobenzene	U		0.000370	0.00121	1	09/09/2017 01:10	WG1018380
1,2,4-Trichlorobenzene	U		0.000469	0.00121	1	09/09/2017 01:10	WG1018380
1,1,1-Trichloroethane	U		0.000346	0.00121	1	09/09/2017 01:10	WG1018380
1,1,2-Trichloroethane	U		0.000335	0.00121	1	09/09/2017 01:10	WG1018380
Trichloroethene	U		0.000337	0.00121	1	09/09/2017 01:10	WG1018380
Trichlorofluoromethane	U		0.000462	0.00604	1	09/09/2017 01:10	WG1018380
1,2,3-Trichloropropane	U		0.000896	0.00302	1	09/09/2017 01:10	WG1018380
1,2,4-Trimethylbenzene	U		0.000255	0.00121	1	09/09/2017 01:10	WG1018380
1,2,3-Trimethylbenzene	U		0.000347	0.00121	1	09/09/2017 01:10	WG1018380
1,3,5-Trimethylbenzene	U		0.000322	0.00121	1	09/09/2017 01:10	WG1018380
Vinyl acetate	U		0.00289	0.0121	1	09/09/2017 01:10	WG1018380
Vinyl chloride	U		0.000352	0.00121	1	09/09/2017 01:10	WG1018380
Xylenes, Total	U		0.000844	0.00363	1	09/09/2017 01:10	WG1018380
(S) Toluene-d8	*97.0*			*80.0-120*		*09/09/2017 01:10*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 01:10*	WG1018380
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*09/09/2017 01:10*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	09/09/2017 01:30	WG1018380
Acrylonitrile	U		0.00206	0.0115	1	09/09/2017 01:30	WG1018380
Benzene	U		0.000310	0.00115	1	09/09/2017 01:30	WG1018380
Bromobenzene	U		0.000326	0.00115	1	09/09/2017 01:30	WG1018380
Bromodichloromethane	U		0.000292	0.00115	1	09/09/2017 01:30	WG1018380
Bromochloromethane	U		0.000448	0.00574	1	09/09/2017 01:30	WG1018380
Bromoform	U		0.000487	0.00115	1	09/09/2017 01:30	WG1018380
Bromomethane	U		0.00154	0.00574	1	09/09/2017 01:30	WG1018380
n-Butylbenzene	U		0.000296	0.00115	1	09/09/2017 01:30	WG1018380
sec-Butylbenzene	U		0.000231	0.00115	1	09/09/2017 01:30	WG1018380
tert-Butylbenzene	U		0.000237	0.00115	1	09/09/2017 01:30	WG1018380
Carbon disulfide	U		0.000254	0.00115	1	09/09/2017 01:30	WG1018380
Carbon tetrachloride	U		0.000377	0.00115	1	09/09/2017 01:30	WG1018380
Chlorobenzene	U		0.000243	0.00115	1	09/09/2017 01:30	WG1018380
Chlorodibromomethane	U		0.000428	0.00115	1	09/09/2017 01:30	WG1018380
Chloroethane	U		0.00109	0.00574	1	09/09/2017 01:30	WG1018380
Chloroform	U		0.000263	0.00574	1	09/09/2017 01:30	WG1018380
Chloromethane	U		0.000431	0.00287	1	09/09/2017 01:30	WG1018380
2-Chlorotoluene	U		0.000346	0.00115	1	09/09/2017 01:30	WG1018380
4-Chlorotoluene	U		0.000276	0.00115	1	09/09/2017 01:30	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	09/09/2017 01:30	WG1018380
1,2-Dibromoethane	U		0.000394	0.00115	1	09/09/2017 01:30	WG1018380
Dibromomethane	U		0.000439	0.00115	1	09/09/2017 01:30	WG1018380
1,2-Dichlorobenzene	U		0.000350	0.00115	1	09/09/2017 01:30	WG1018380
1,3-Dichlorobenzene	U		0.000274	0.00115	1	09/09/2017 01:30	WG1018380
1,4-Dichlorobenzene	U		0.000259	0.00115	1	09/09/2017 01:30	WG1018380
Dichlorodifluoromethane	U		0.000819	0.00574	1	09/09/2017 01:30	WG1018380
1,1-Dichloroethane	U		0.000228	0.00115	1	09/09/2017 01:30	WG1018380
1,2-Dichloroethane	U		0.000304	0.00115	1	09/09/2017 01:30	WG1018380
1,1-Dichloroethene	U		0.000348	0.00115	1	09/09/2017 01:30	WG1018380
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	09/09/2017 01:30	WG1018380
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	09/09/2017 01:30	WG1018380
1,2-Dichloropropane	U		0.000411	0.00115	1	09/09/2017 01:30	WG1018380
1,1-Dichloropropene	U		0.000364	0.00115	1	09/09/2017 01:30	WG1018380
1,3-Dichloropropane	U		0.000238	0.00115	1	09/09/2017 01:30	WG1018380
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	09/09/2017 01:30	WG1018380
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	09/09/2017 01:30	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	09/09/2017 01:30	WG1018380
2,2-Dichloropropane	U		0.000320	0.00115	1	09/09/2017 01:30	WG1018380
Di-isopropyl ether	U		0.000285	0.00115	1	09/09/2017 01:30	WG1018380
Ethylbenzene	U		0.000341	0.00115	1	09/09/2017 01:30	WG1018380
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	09/09/2017 01:30	WG1018380
2-Hexanone	U		0.00157	0.0115	1	09/09/2017 01:30	WG1018380
n-Hexane	U		0.000333	0.0115	1	09/09/2017 01:30	WG1018380
Iodomethane	U		0.00290	0.0115	1	09/09/2017 01:30	WG1018380
Isopropylbenzene	U		0.000279	0.00115	1	09/09/2017 01:30	WG1018380
p-Isopropyltoluene	U		0.000234	0.00115	1	09/09/2017 01:30	WG1018380
2-Butanone (MEK)	U		0.00537	0.0115	1	09/09/2017 01:30	WG1018380
Methylene Chloride	U		0.00115	0.00574	1	09/09/2017 01:30	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/09/2017 01:30	WG1018380

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

Analyte	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	09/09/2017 01:30	WG1018380
Naphthalene	U		0.00115	0.00574	1	09/09/2017 01:30	WG1018380
n-Propylbenzene	U		0.000237	0.00115	1	09/09/2017 01:30	WG1018380
Styrene	U		0.000269	0.00115	1	09/09/2017 01:30	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	09/09/2017 01:30	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	09/09/2017 01:30	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	09/09/2017 01:30	WG1018380
Tetrachloroethene	U		0.000317	0.00115	1	09/09/2017 01:30	WG1018380
Toluene	U		0.000498	0.00574	1	09/09/2017 01:30	WG1018380
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	09/09/2017 01:30	WG1018380
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	09/09/2017 01:30	WG1018380
1,1,1-Trichloroethane	U		0.000328	0.00115	1	09/09/2017 01:30	WG1018380
1,1,2-Trichloroethane	U		0.000318	0.00115	1	09/09/2017 01:30	WG1018380
Trichloroethene	U		0.000320	0.00115	1	09/09/2017 01:30	WG1018380
Trichlorofluoromethane	U		0.000439	0.00574	1	09/09/2017 01:30	WG1018380
1,2,3-Trichloropropane	U		0.000851	0.00287	1	09/09/2017 01:30	WG1018380
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	09/09/2017 01:30	WG1018380
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	09/09/2017 01:30	WG1018380
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	09/09/2017 01:30	WG1018380
Vinyl acetate	U		0.00274	0.0115	1	09/09/2017 01:30	WG1018380
Vinyl chloride	U		0.000334	0.00115	1	09/09/2017 01:30	WG1018380
Xylenes, Total	U		0.000801	0.00344	1	09/09/2017 01:30	WG1018380
(S) Toluene-d8	*97.6*			*80.0-120*		*09/09/2017 01:30*	WG1018380
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/09/2017 01:30*	WG1018380
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*09/09/2017 01:30*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	09/09/2017 01:51	WG1018380
Acrylonitrile	U		0.00206	0.0115	1	09/09/2017 01:51	WG1018380
Benzene	U		0.000310	0.00115	1	09/09/2017 01:51	WG1018380
Bromobenzene	U		0.000326	0.00115	1	09/09/2017 01:51	WG1018380
Bromodichloromethane	U		0.000292	0.00115	1	09/09/2017 01:51	WG1018380
Bromochloromethane	U		0.000448	0.00574	1	09/09/2017 01:51	WG1018380
Bromoform	U		0.000487	0.00115	1	09/09/2017 01:51	WG1018380
Bromomethane	U		0.00154	0.00574	1	09/09/2017 01:51	WG1018380
n-Butylbenzene	U		0.000296	0.00115	1	09/09/2017 01:51	WG1018380
sec-Butylbenzene	U		0.000231	0.00115	1	09/09/2017 01:51	WG1018380
tert-Butylbenzene	U		0.000237	0.00115	1	09/09/2017 01:51	WG1018380
Carbon disulfide	U		0.000254	0.00115	1	09/09/2017 01:51	WG1018380
Carbon tetrachloride	U		0.000377	0.00115	1	09/09/2017 01:51	WG1018380
Chlorobenzene	U		0.000244	0.00115	1	09/09/2017 01:51	WG1018380
Chlorodibromomethane	U		0.000429	0.00115	1	09/09/2017 01:51	WG1018380
Chloroethane	U		0.00109	0.00574	1	09/09/2017 01:51	WG1018380
Chloroform	U		0.000263	0.00574	1	09/09/2017 01:51	WG1018380
Chloromethane	U		0.000431	0.00287	1	09/09/2017 01:51	WG1018380
2-Chlorotoluene	U		0.000346	0.00115	1	09/09/2017 01:51	WG1018380
4-Chlorotoluene	U		0.000276	0.00115	1	09/09/2017 01:51	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	09/09/2017 01:51	WG1018380
1,2-Dibromoethane	U		0.000394	0.00115	1	09/09/2017 01:51	WG1018380
Dibromomethane	U		0.000439	0.00115	1	09/09/2017 01:51	WG1018380
1,2-Dichlorobenzene	U		0.000350	0.00115	1	09/09/2017 01:51	WG1018380
1,3-Dichlorobenzene	U		0.000275	0.00115	1	09/09/2017 01:51	WG1018380
1,4-Dichlorobenzene	U		0.000260	0.00115	1	09/09/2017 01:51	WG1018380
Dichlorodifluoromethane	U		0.000819	0.00574	1	09/09/2017 01:51	WG1018380
1,1-Dichloroethane	U		0.000229	0.00115	1	09/09/2017 01:51	WG1018380
1,2-Dichloroethane	U		0.000304	0.00115	1	09/09/2017 01:51	WG1018380
1,1-Dichloroethene	U		0.000348	0.00115	1	09/09/2017 01:51	WG1018380
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	09/09/2017 01:51	WG1018380
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	09/09/2017 01:51	WG1018380
1,2-Dichloropropane	U		0.000411	0.00115	1	09/09/2017 01:51	WG1018380
1,1-Dichloropropene	U		0.000364	0.00115	1	09/09/2017 01:51	WG1018380
1,3-Dichloropropane	U		0.000238	0.00115	1	09/09/2017 01:51	WG1018380
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	09/09/2017 01:51	WG1018380
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	09/09/2017 01:51	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	09/09/2017 01:51	WG1018380
2,2-Dichloropropane	U		0.000321	0.00115	1	09/09/2017 01:51	WG1018380
Di-isopropyl ether	U		0.000285	0.00115	1	09/09/2017 01:51	WG1018380
Ethylbenzene	U		0.000341	0.00115	1	09/09/2017 01:51	WG1018380
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	09/09/2017 01:51	WG1018380
2-Hexanone	U		0.00157	0.0115	1	09/09/2017 01:51	WG1018380
n-Hexane	U		0.000333	0.0115	1	09/09/2017 01:51	WG1018380
Iodomethane	U		0.00291	0.0115	1	09/09/2017 01:51	WG1018380
Isopropylbenzene	U		0.000279	0.00115	1	09/09/2017 01:51	WG1018380
p-Isopropyltoluene	U		0.000234	0.00115	1	09/09/2017 01:51	WG1018380
2-Butanone (MEK)	U		0.00538	0.0115	1	09/09/2017 01:51	WG1018380
Methylene Chloride	U		0.00115	0.00574	1	09/09/2017 01:51	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/09/2017 01:51	WG1018380

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

Analyte	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	09/09/2017 01:51	WG1018380
Naphthalene	U		0.00115	0.00574	1	09/09/2017 01:51	WG1018380
n-Propylbenzene	U		0.000237	0.00115	1	09/09/2017 01:51	WG1018380
Styrene	U		0.000269	0.00115	1	09/09/2017 01:51	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	09/09/2017 01:51	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	09/09/2017 01:51	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	09/09/2017 01:51	WG1018380
Tetrachloroethene	U		0.000317	0.00115	1	09/09/2017 01:51	WG1018380
Toluene	U		0.000499	0.00574	1	09/09/2017 01:51	WG1018380
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	09/09/2017 01:51	WG1018380
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	09/09/2017 01:51	WG1018380
1,1,1-Trichloroethane	U		0.000329	0.00115	1	09/09/2017 01:51	WG1018380
1,1,2-Trichloroethane	U		0.000318	0.00115	1	09/09/2017 01:51	WG1018380
Trichloroethene	U		0.000321	0.00115	1	09/09/2017 01:51	WG1018380
Trichlorofluoromethane	U		0.000439	0.00574	1	09/09/2017 01:51	WG1018380
1,2,3-Trichloropropane	U		0.000851	0.00287	1	09/09/2017 01:51	WG1018380
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	09/09/2017 01:51	WG1018380
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	09/09/2017 01:51	WG1018380
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	09/09/2017 01:51	WG1018380
Vinyl acetate	U		0.00275	0.0115	1	09/09/2017 01:51	WG1018380
Vinyl chloride	U		0.000334	0.00115	1	09/09/2017 01:51	WG1018380
Xylenes, Total	U		0.000802	0.00345	1	09/09/2017 01:51	WG1018380
(S) Toluene-d8	*98.8*			*80.0-120*		*09/09/2017 01:51*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 01:51*	WG1018380
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*09/09/2017 01:51*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	0.0613	1	09/09/2017 02:11	WG1018380
Acrylonitrile	U		0.00219	0.0123	1	09/09/2017 02:11	WG1018380
Benzene	U		0.000331	0.00123	1	09/09/2017 02:11	WG1018380
Bromobenzene	U		0.000348	0.00123	1	09/09/2017 02:11	WG1018380
Bromodichloromethane	U		0.000311	0.00123	1	09/09/2017 02:11	WG1018380
Bromochloromethane	U		0.000478	0.00613	1	09/09/2017 02:11	WG1018380
Bromoform	U		0.000520	0.00123	1	09/09/2017 02:11	WG1018380
Bromomethane	U		0.00164	0.00613	1	09/09/2017 02:11	WG1018380
n-Butylbenzene	U		0.000316	0.00123	1	09/09/2017 02:11	WG1018380
sec-Butylbenzene	U		0.000246	0.00123	1	09/09/2017 02:11	WG1018380
tert-Butylbenzene	U		0.000253	0.00123	1	09/09/2017 02:11	WG1018380
Carbon disulfide	U		0.000271	0.00123	1	09/09/2017 02:11	WG1018380
Carbon tetrachloride	U		0.000402	0.00123	1	09/09/2017 02:11	WG1018380
Chlorobenzene	U		0.000260	0.00123	1	09/09/2017 02:11	WG1018380
Chlorodibromomethane	U		0.000457	0.00123	1	09/09/2017 02:11	WG1018380
Chloroethane	U		0.00116	0.00613	1	09/09/2017 02:11	WG1018380
Chloroform	U		0.000281	0.00613	1	09/09/2017 02:11	WG1018380
Chloromethane	U		0.000460	0.00307	1	09/09/2017 02:11	WG1018380
2-Chlorotoluene	U		0.000369	0.00123	1	09/09/2017 02:11	WG1018380
4-Chlorotoluene	U		0.000294	0.00123	1	09/09/2017 02:11	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00129	0.00613	1	09/09/2017 02:11	WG1018380
1,2-Dibromoethane	U		0.000421	0.00123	1	09/09/2017 02:11	WG1018380
Dibromomethane	U		0.000468	0.00123	1	09/09/2017 02:11	WG1018380
1,2-Dichlorobenzene	U		0.000374	0.00123	1	09/09/2017 02:11	WG1018380
1,3-Dichlorobenzene	U		0.000293	0.00123	1	09/09/2017 02:11	WG1018380
1,4-Dichlorobenzene	U		0.000277	0.00123	1	09/09/2017 02:11	WG1018380
Dichlorodifluoromethane	U		0.000874	0.00613	1	09/09/2017 02:11	WG1018380
1,1-Dichloroethane	U		0.000244	0.00123	1	09/09/2017 02:11	WG1018380
1,2-Dichloroethane	U		0.000325	0.00123	1	09/09/2017 02:11	WG1018380
1,1-Dichloroethene	U		0.000372	0.00123	1	09/09/2017 02:11	WG1018380
cis-1,2-Dichloroethene	U		0.000288	0.00123	1	09/09/2017 02:11	WG1018380
trans-1,2-Dichloroethene	U		0.000324	0.00123	1	09/09/2017 02:11	WG1018380
1,2-Dichloropropane	U		0.000439	0.00123	1	09/09/2017 02:11	WG1018380
1,1-Dichloropropene	U		0.000389	0.00123	1	09/09/2017 02:11	WG1018380
1,3-Dichloropropane	U		0.000254	0.00123	1	09/09/2017 02:11	WG1018380
cis-1,3-Dichloropropene	U		0.000321	0.00123	1	09/09/2017 02:11	WG1018380
trans-1,3-Dichloropropene	U		0.000327	0.00123	1	09/09/2017 02:11	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000954	0.00307	1	09/09/2017 02:11	WG1018380
2,2-Dichloropropane	U		0.000342	0.00123	1	09/09/2017 02:11	WG1018380
Di-isopropyl ether	U		0.000304	0.00123	1	09/09/2017 02:11	WG1018380
Ethylbenzene	U		0.000364	0.00123	1	09/09/2017 02:11	WG1018380
Hexachloro-1,3-butadiene	U		0.000419	0.00123	1	09/09/2017 02:11	WG1018380
2-Hexanone	U		0.00168	0.0123	1	09/09/2017 02:11	WG1018380
n-Hexane	U		0.000356	0.0123	1	09/09/2017 02:11	WG1018380
Iodomethane	U		0.00310	0.0123	1	09/09/2017 02:11	WG1018380
Isopropylbenzene	U		0.000298	0.00123	1	09/09/2017 02:11	WG1018380
p-Isopropyltoluene	U		0.000250	0.00123	1	09/09/2017 02:11	WG1018380
2-Butanone (MEK)	U		0.00574	0.0123	1	09/09/2017 02:11	WG1018380
Methylene Chloride	U		0.00123	0.00613	1	09/09/2017 02:11	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00231	0.0123	1	09/09/2017 02:11	WG1018380

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000260	0.00123	1	09/09/2017 02:11	WG1018380
Naphthalene	U		0.00123	0.00613	1	09/09/2017 02:11	WG1018380
n-Propylbenzene	U		0.000253	0.00123	1	09/09/2017 02:11	WG1018380
Styrene	U		0.000287	0.00123	1	09/09/2017 02:11	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000324	0.00123	1	09/09/2017 02:11	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000448	0.00123	1	09/09/2017 02:11	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000448	0.00123	1	09/09/2017 02:11	WG1018380
Tetrachloroethene	U		0.000338	0.00123	1	09/09/2017 02:11	WG1018380
Toluene	U		0.000532	0.00613	1	09/09/2017 02:11	WG1018380
1,2,3-Trichlorobenzene	U		0.000375	0.00123	1	09/09/2017 02:11	WG1018380
1,2,4-Trichlorobenzene	U		0.000476	0.00123	1	09/09/2017 02:11	WG1018380
1,1,1-Trichloroethane	U		0.000351	0.00123	1	09/09/2017 02:11	WG1018380
1,1,2-Trichloroethane	U		0.000340	0.00123	1	09/09/2017 02:11	WG1018380
Trichloroethene	U		0.000342	0.00123	1	09/09/2017 02:11	WG1018380
Trichlorofluoromethane	U		0.000468	0.00613	1	09/09/2017 02:11	WG1018380
1,2,3-Trichloropropane	U		0.000909	0.00307	1	09/09/2017 02:11	WG1018380
1,2,4-Trimethylbenzene	U		0.000259	0.00123	1	09/09/2017 02:11	WG1018380
1,2,3-Trimethylbenzene	U		0.000352	0.00123	1	09/09/2017 02:11	WG1018380
1,3,5-Trimethylbenzene	U		0.000326	0.00123	1	09/09/2017 02:11	WG1018380
Vinyl acetate	U		0.00293	0.0123	1	09/09/2017 02:11	WG1018380
Vinyl chloride	U		0.000357	0.00123	1	09/09/2017 02:11	WG1018380
Xylenes, Total	U		0.000856	0.00368	1	09/09/2017 02:11	WG1018380
(S) Toluene-d8	*99.3*			*80.0-120*		*09/09/2017 02:11*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 02:11*	WG1018380
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*09/09/2017 02:11*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	09/13/2017 09:49	WG1019359

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.23	6.13	100	09/09/2017 02:32	WG1018380
Acrylonitrile	U		0.219	1.23	100	09/09/2017 02:32	WG1018380
Benzene	U		0.0331	0.123	100	09/09/2017 02:32	WG1018380
Bromobenzene	U		0.0348	0.123	100	09/09/2017 02:32	WG1018380
Bromodichloromethane	U		0.0311	0.123	100	09/09/2017 02:32	WG1018380
Bromochloromethane	U		0.0478	0.613	100	09/09/2017 02:32	WG1018380
Bromoform	U		0.0520	0.123	100	09/09/2017 02:32	WG1018380
Bromomethane	U		0.164	0.613	100	09/09/2017 02:32	WG1018380
n-Butylbenzene	U		0.0316	0.123	100	09/09/2017 02:32	WG1018380
sec-Butylbenzene	U		0.0246	0.123	100	09/09/2017 02:32	WG1018380
tert-Butylbenzene	U		0.0252	0.123	100	09/09/2017 02:32	WG1018380
Carbon disulfide	U		0.0271	0.123	100	09/09/2017 02:32	WG1018380
Carbon tetrachloride	U		0.0402	0.123	100	09/09/2017 02:32	WG1018380
Chlorobenzene	U		0.0260	0.123	100	09/09/2017 02:32	WG1018380
Chlorodibromomethane	U		0.0457	0.123	100	09/09/2017 02:32	WG1018380
Chloroethane	U		0.116	0.613	100	09/09/2017 02:32	WG1018380
Chloroform	U		0.0281	0.613	100	09/09/2017 02:32	WG1018380
Chloromethane	U		0.0460	0.306	100	09/09/2017 02:32	WG1018380
2-Chlorotoluene	U		0.0369	0.123	100	09/09/2017 02:32	WG1018380
4-Chlorotoluene	U		0.0294	0.123	100	09/09/2017 02:32	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.129	0.613	100	09/09/2017 02:32	WG1018380
1,2-Dibromoethane	U		0.0420	0.123	100	09/09/2017 02:32	WG1018380
Dibromomethane	U		0.0468	0.123	100	09/09/2017 02:32	WG1018380
1,2-Dichlorobenzene	U		0.0374	0.123	100	09/09/2017 02:32	WG1018380
1,3-Dichlorobenzene	U		0.0293	0.123	100	09/09/2017 02:32	WG1018380
1,4-Dichlorobenzene	U		0.0277	0.123	100	09/09/2017 02:32	WG1018380
Dichlorodifluoromethane	U		0.0874	0.613	100	09/09/2017 02:32	WG1018380
1,1-Dichloroethane	U		0.0244	0.123	100	09/09/2017 02:32	WG1018380
1,2-Dichloroethane	U		0.0325	0.123	100	09/09/2017 02:32	WG1018380
1,1-Dichloroethene	U		0.0371	0.123	100	09/09/2017 02:32	WG1018380
cis-1,2-Dichloroethene	U		0.0288	0.123	100	09/09/2017 02:32	WG1018380
trans-1,2-Dichloroethene	U		0.0324	0.123	100	09/09/2017 02:32	WG1018380
1,2-Dichloropropane	U		0.0439	0.123	100	09/09/2017 02:32	WG1018380
1,1-Dichloropropene	U		0.0389	0.123	100	09/09/2017 02:32	WG1018380
1,3-Dichloropropane	U		0.0254	0.123	100	09/09/2017 02:32	WG1018380
cis-1,3-Dichloropropene	U		0.0321	0.123	100	09/09/2017 02:32	WG1018380
trans-1,3-Dichloropropene	U		0.0327	0.123	100	09/09/2017 02:32	WG1018380
trans-1,4-Dichloro-2-butene	U		0.0954	0.306	100	09/09/2017 02:32	WG1018380
2,2-Dichloropropane	U		0.0342	0.123	100	09/09/2017 02:32	WG1018380
Di-isopropyl ether	U		0.0304	0.123	100	09/09/2017 02:32	WG1018380
Ethylbenzene	U		0.0364	0.123	100	09/09/2017 02:32	WG1018380
Hexachloro-1,3-butadiene	U		0.0419	0.123	100	09/09/2017 02:32	WG1018380
2-Hexanone	U		0.168	1.23	100	09/09/2017 02:32	WG1018380
n-Hexane	U		0.0355	1.23	100	09/09/2017 02:32	WG1018380
Iodomethane	U		0.310	1.23	100	09/09/2017 02:32	WG1018380
Isopropylbenzene	U		0.0298	0.123	100	09/09/2017 02:32	WG1018380
p-Isopropyltoluene	U		0.0250	0.123	100	09/09/2017 02:32	WG1018380
2-Butanone (MEK)	U		0.574	1.23	100	09/09/2017 02:32	WG1018380
Methylene Chloride	U		0.123	0.613	100	09/09/2017 02:32	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.230	1.23	100	09/09/2017 02:32	WG1018380

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0260	0.123	100	09/09/2017 02:32	WG1018380
Naphthalene	U		0.123	0.613	100	09/09/2017 02:32	WG1018380
n-Propylbenzene	U		0.0252	0.123	100	09/09/2017 02:32	WG1018380
Styrene	U		0.0287	0.123	100	09/09/2017 02:32	WG1018380
1,1,1,2-Tetrachloroethane	U		0.0324	0.123	100	09/09/2017 02:32	WG1018380
1,1,2,2-Tetrachloroethane	U		0.0447	0.123	100	09/09/2017 02:32	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.0447	0.123	100	09/09/2017 02:32	WG1018380
Tetrachloroethene	5.18		0.0338	0.123	100	09/09/2017 02:32	WG1018380
Toluene	U		0.0532	0.613	100	09/09/2017 02:32	WG1018380
1,2,3-Trichlorobenzene	U		0.0375	0.123	100	09/09/2017 02:32	WG1018380
1,2,4-Trichlorobenzene	U		0.0476	0.123	100	09/09/2017 02:32	WG1018380
1,1,1-Trichloroethane	U		0.0351	0.123	100	09/09/2017 02:32	WG1018380
1,1,2-Trichloroethane	U		0.0339	0.123	100	09/09/2017 02:32	WG1018380
Trichloroethene	0.704		0.0342	0.123	100	09/09/2017 02:32	WG1018380
Trichlorofluoromethane	U		0.0468	0.613	100	09/09/2017 02:32	WG1018380
1,2,3-Trichloropropane	U		0.0908	0.306	100	09/09/2017 02:32	WG1018380
1,2,4-Trimethylbenzene	U		0.0259	0.123	100	09/09/2017 02:32	WG1018380
1,2,3-Trimethylbenzene	U		0.0352	0.123	100	09/09/2017 02:32	WG1018380
1,3,5-Trimethylbenzene	U		0.0326	0.123	100	09/09/2017 02:32	WG1018380
Vinyl acetate	U		0.293	1.23	100	09/09/2017 02:32	WG1018380
Vinyl chloride	U		0.0357	0.123	100	09/09/2017 02:32	WG1018380
Xylenes, Total	U		0.0855	0.368	100	09/09/2017 02:32	WG1018380
(S) Toluene-d8	*101*			*80.0-120*		*09/09/2017 02:32*	WG1018380
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*09/09/2017 02:32*	WG1018380
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*09/09/2017 02:32*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	0.0577	1	09/09/2017 02:52	WG1018380
Acrylonitrile	U		0.00207	0.0115	1	09/09/2017 02:52	WG1018380
Benzene	U		0.000312	0.00115	1	09/09/2017 02:52	WG1018380
Bromobenzene	U		0.000328	0.00115	1	09/09/2017 02:52	WG1018380
Bromodichloromethane	U		0.000293	0.00115	1	09/09/2017 02:52	WG1018380
Bromochloromethane	U		0.000450	0.00577	1	09/09/2017 02:52	WG1018380
Bromoform	U		0.000490	0.00115	1	09/09/2017 02:52	WG1018380
Bromomethane	U		0.00155	0.00577	1	09/09/2017 02:52	WG1018380
n-Butylbenzene	U		0.000298	0.00115	1	09/09/2017 02:52	WG1018380
sec-Butylbenzene	U		0.000232	0.00115	1	09/09/2017 02:52	WG1018380
tert-Butylbenzene	U		0.000238	0.00115	1	09/09/2017 02:52	WG1018380
Carbon disulfide	U		0.000255	0.00115	1	09/09/2017 02:52	WG1018380
Carbon tetrachloride	U		0.000379	0.00115	1	09/09/2017 02:52	WG1018380
Chlorobenzene	U		0.000245	0.00115	1	09/09/2017 02:52	WG1018380
Chlorodibromomethane	U		0.000431	0.00115	1	09/09/2017 02:52	WG1018380
Chloroethane	U		0.00109	0.00577	1	09/09/2017 02:52	WG1018380
Chloroform	U		0.000264	0.00577	1	09/09/2017 02:52	WG1018380
Chloromethane	U		0.000433	0.00289	1	09/09/2017 02:52	WG1018380
2-Chlorotoluene	U		0.000348	0.00115	1	09/09/2017 02:52	WG1018380
4-Chlorotoluene	U		0.000277	0.00115	1	09/09/2017 02:52	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	09/09/2017 02:52	WG1018380
1,2-Dibromoethane	U		0.000396	0.00115	1	09/09/2017 02:52	WG1018380
Dibromomethane	U		0.000441	0.00115	1	09/09/2017 02:52	WG1018380
1,2-Dichlorobenzene	U		0.000352	0.00115	1	09/09/2017 02:52	WG1018380
1,3-Dichlorobenzene	U		0.000276	0.00115	1	09/09/2017 02:52	WG1018380
1,4-Dichlorobenzene	U		0.000261	0.00115	1	09/09/2017 02:52	WG1018380
Dichlorodifluoromethane	U		0.000823	0.00577	1	09/09/2017 02:52	WG1018380
1,1-Dichloroethane	U		0.000230	0.00115	1	09/09/2017 02:52	WG1018380
1,2-Dichloroethane	U		0.000306	0.00115	1	09/09/2017 02:52	WG1018380
1,1-Dichloroethene	U		0.000350	0.00115	1	09/09/2017 02:52	WG1018380
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	09/09/2017 02:52	WG1018380
trans-1,2-Dichloroethene	U		0.000305	0.00115	1	09/09/2017 02:52	WG1018380
1,2-Dichloropropane	U		0.000413	0.00115	1	09/09/2017 02:52	WG1018380
1,1-Dichloropropene	U		0.000366	0.00115	1	09/09/2017 02:52	WG1018380
1,3-Dichloropropane	U		0.000239	0.00115	1	09/09/2017 02:52	WG1018380
cis-1,3-Dichloropropene	U		0.000303	0.00115	1	09/09/2017 02:52	WG1018380
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	09/09/2017 02:52	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000898	0.00289	1	09/09/2017 02:52	WG1018380
2,2-Dichloropropane	U		0.000322	0.00115	1	09/09/2017 02:52	WG1018380
Di-isopropyl ether	U		0.000286	0.00115	1	09/09/2017 02:52	WG1018380
Ethylbenzene	U		0.000343	0.00115	1	09/09/2017 02:52	WG1018380
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	09/09/2017 02:52	WG1018380
2-Hexanone	U		0.00158	0.0115	1	09/09/2017 02:52	WG1018380
n-Hexane	U		0.000335	0.0115	1	09/09/2017 02:52	WG1018380
Iodomethane	U		0.00292	0.0115	1	09/09/2017 02:52	WG1018380
Isopropylbenzene	U		0.000281	0.00115	1	09/09/2017 02:52	WG1018380
p-Isopropyltoluene	U		0.000236	0.00115	1	09/09/2017 02:52	WG1018380
2-Butanone (MEK)	U		0.00540	0.0115	1	09/09/2017 02:52	WG1018380
Methylene Chloride	U		0.00115	0.00577	1	09/09/2017 02:52	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	09/09/2017 02:52	WG1018380

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

Analyte	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	09/09/2017 02:52	WG1018380
Naphthalene	U		0.00115	0.00577	1	09/09/2017 02:52	WG1018380
n-Propylbenzene	U		0.000238	0.00115	1	09/09/2017 02:52	WG1018380
Styrene	U		0.000270	0.00115	1	09/09/2017 02:52	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	09/09/2017 02:52	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	09/09/2017 02:52	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	09/09/2017 02:52	WG1018380
Tetrachloroethene	U		0.000319	0.00115	1	09/09/2017 02:52	WG1018380
Toluene	U		0.000501	0.00577	1	09/09/2017 02:52	WG1018380
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	09/09/2017 02:52	WG1018380
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	09/09/2017 02:52	WG1018380
1,1,1-Trichloroethane	U		0.000330	0.00115	1	09/09/2017 02:52	WG1018380
1,1,2-Trichloroethane	U		0.000320	0.00115	1	09/09/2017 02:52	WG1018380
Trichloroethene	U		0.000322	0.00115	1	09/09/2017 02:52	WG1018380
Trichlorofluoromethane	U		0.000441	0.00577	1	09/09/2017 02:52	WG1018380
1,2,3-Trichloropropane	U		0.000856	0.00289	1	09/09/2017 02:52	WG1018380
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	09/09/2017 02:52	WG1018380
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	09/09/2017 02:52	WG1018380
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	09/09/2017 02:52	WG1018380
Vinyl acetate	U		0.00276	0.0115	1	09/09/2017 02:52	WG1018380
Vinyl chloride	U		0.000336	0.00115	1	09/09/2017 02:52	WG1018380
Xylenes, Total	U		0.000806	0.00346	1	09/09/2017 02:52	WG1018380
(S) Toluene-d8	*98.1*			*80.0-120*		*09/09/2017 02:52*	WG1018380
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/09/2017 02:52*	WG1018380
(S) 4-Bromofluorobenzene	*91.5*			*64.0-132*		*09/09/2017 02:52*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	0.0740	1.36	09/09/2017 03:13	WG1018380
Acrylonitrile	U		0.00265	0.0148	1.36	09/09/2017 03:13	WG1018380
Benzene	U		0.000400	0.00148	1.36	09/09/2017 03:13	WG1018380
Bromobenzene	U		0.000420	0.00148	1.36	09/09/2017 03:13	WG1018380
Bromodichloromethane	U		0.000376	0.00148	1.36	09/09/2017 03:13	WG1018380
Bromochloromethane	U		0.000577	0.00740	1.36	09/09/2017 03:13	WG1018380
Bromoform	U		0.000628	0.00148	1.36	09/09/2017 03:13	WG1018380
Bromomethane	U		0.00198	0.00740	1.36	09/09/2017 03:13	WG1018380
n-Butylbenzene	U		0.000382	0.00148	1.36	09/09/2017 03:13	WG1018380
sec-Butylbenzene	U		0.000297	0.00148	1.36	09/09/2017 03:13	WG1018380
tert-Butylbenzene	U		0.000305	0.00148	1.36	09/09/2017 03:13	WG1018380
Carbon disulfide	0.000628	J	0.000327	0.00148	1.36	09/09/2017 03:13	WG1018380
Carbon tetrachloride	U		0.000485	0.00148	1.36	09/09/2017 03:13	WG1018380
Chlorobenzene	U		0.000314	0.00148	1.36	09/09/2017 03:13	WG1018380
Chlorodibromomethane	U		0.000552	0.00148	1.36	09/09/2017 03:13	WG1018380
Chloroethane	U		0.00140	0.00740	1.36	09/09/2017 03:13	WG1018380
Chloroform	U		0.000339	0.00740	1.36	09/09/2017 03:13	WG1018380
Chloromethane	U		0.000555	0.00370	1.36	09/09/2017 03:13	WG1018380
2-Chlorotoluene	U		0.000445	0.00148	1.36	09/09/2017 03:13	WG1018380
4-Chlorotoluene	U		0.000355	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00156	0.00740	1.36	09/09/2017 03:13	WG1018380
1,2-Dibromoethane	U		0.000507	0.00148	1.36	09/09/2017 03:13	WG1018380
Dibromomethane	U		0.000566	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2-Dichlorobenzene	U		0.000452	0.00148	1.36	09/09/2017 03:13	WG1018380
1,3-Dichlorobenzene	U		0.000354	0.00148	1.36	09/09/2017 03:13	WG1018380
1,4-Dichlorobenzene	U		0.000334	0.00148	1.36	09/09/2017 03:13	WG1018380
Dichlorodifluoromethane	U		0.00106	0.00740	1.36	09/09/2017 03:13	WG1018380
1,1-Dichloroethane	U		0.000295	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2-Dichloroethane	U		0.000392	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1-Dichloroethene	U		0.000448	0.00148	1.36	09/09/2017 03:13	WG1018380
cis-1,2-Dichloroethene	U		0.000348	0.00148	1.36	09/09/2017 03:13	WG1018380
trans-1,2-Dichloroethene	U		0.000391	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2-Dichloropropane	U		0.000530	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1-Dichloropropene	U		0.000469	0.00148	1.36	09/09/2017 03:13	WG1018380
1,3-Dichloropropane	U		0.000307	0.00148	1.36	09/09/2017 03:13	WG1018380
cis-1,3-Dichloropropene	U		0.000388	0.00148	1.36	09/09/2017 03:13	WG1018380
trans-1,3-Dichloropropene	U		0.000395	0.00148	1.36	09/09/2017 03:13	WG1018380
trans-1,4-Dichloro-2-butene	U		0.00115	0.00370	1.36	09/09/2017 03:13	WG1018380
2,2-Dichloropropane	U		0.000413	0.00148	1.36	09/09/2017 03:13	WG1018380
Di-isopropyl ether	U		0.000367	0.00148	1.36	09/09/2017 03:13	WG1018380
Ethylbenzene	U		0.000440	0.00148	1.36	09/09/2017 03:13	WG1018380
Hexachloro-1,3-butadiene	U		0.000506	0.00148	1.36	09/09/2017 03:13	WG1018380
2-Hexanone	U		0.00202	0.0148	1.36	09/09/2017 03:13	WG1018380
n-Hexane	U		0.000429	0.0148	1.36	09/09/2017 03:13	WG1018380
Iodomethane	U		0.00374	0.0148	1.36	09/09/2017 03:13	WG1018380
Isopropylbenzene	U		0.000359	0.00148	1.36	09/09/2017 03:13	WG1018380
p-Isopropyltoluene	U		0.000302	0.00148	1.36	09/09/2017 03:13	WG1018380
2-Butanone (MEK)	U		0.00692	0.0148	1.36	09/09/2017 03:13	WG1018380
Methylene Chloride	U		0.00148	0.00740	1.36	09/09/2017 03:13	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00279	0.0148	1.36	09/09/2017 03:13	WG1018380

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000314	0.00148	1.36	09/09/2017 03:13	WG1018380
Naphthalene	U		0.00148	0.00740	1.36	09/09/2017 03:13	WG1018380
n-Propylbenzene	U		0.000305	0.00148	1.36	09/09/2017 03:13	WG1018380
Styrene	U		0.000346	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000391	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000540	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000540	0.00148	1.36	09/09/2017 03:13	WG1018380
Tetrachloroethene	U		0.000408	0.00148	1.36	09/09/2017 03:13	WG1018380
Toluene	U		0.000642	0.00740	1.36	09/09/2017 03:13	WG1018380
1,2,3-Trichlorobenzene	U		0.000453	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2,4-Trichlorobenzene	U		0.000575	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,1-Trichloroethane	U		0.000423	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,2-Trichloroethane	U		0.000410	0.00148	1.36	09/09/2017 03:13	WG1018380
Trichloroethene	U		0.000413	0.00148	1.36	09/09/2017 03:13	WG1018380
Trichlorofluoromethane	U		0.000566	0.00740	1.36	09/09/2017 03:13	WG1018380
1,2,3-Trichloropropane	U		0.00110	0.00370	1.36	09/09/2017 03:13	WG1018380
1,2,4-Trimethylbenzene	U		0.000312	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2,3-Trimethylbenzene	U		0.000425	0.00148	1.36	09/09/2017 03:13	WG1018380
1,3,5-Trimethylbenzene	U		0.000394	0.00148	1.36	09/09/2017 03:13	WG1018380
Vinyl acetate	U		0.00354	0.0148	1.36	09/09/2017 03:13	WG1018380
Vinyl chloride	U		0.000431	0.00148	1.36	09/09/2017 03:13	WG1018380
Xylenes, Total	U		0.00103	0.00444	1.36	09/09/2017 03:13	WG1018380
(S) Toluene-d8	*97.0*			*80.0-120*		*09/09/2017 03:13*	WG1018380
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*09/09/2017 03:13*	WG1018380
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*09/09/2017 03:13*	WG1018380

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/09/2017 13:30	WG1018559
Acrylonitrile	U		0.873	5.00	1	09/09/2017 13:30	WG1018559
Benzene	U		0.0896	0.500	1	09/09/2017 13:30	WG1018559
Bromobenzene	U		0.133	0.500	1	09/09/2017 13:30	WG1018559
Bromodichloromethane	U		0.0800	0.500	1	09/09/2017 13:30	WG1018559
Bromochloromethane	U		0.145	0.500	1	09/09/2017 13:30	WG1018559
Bromoform	U		0.186	0.500	1	09/09/2017 13:30	WG1018559
Bromomethane	U		0.157	2.50	1	09/09/2017 13:30	WG1018559
n-Butylbenzene	U		0.143	0.500	1	09/09/2017 13:30	WG1018559
sec-Butylbenzene	U		0.134	0.500	1	09/09/2017 13:30	WG1018559
tert-Butylbenzene	U		0.183	0.500	1	09/09/2017 13:30	WG1018559
Carbon disulfide	U		0.101	0.500	1	09/09/2017 13:30	WG1018559
Carbon tetrachloride	U		0.159	0.500	1	09/09/2017 13:30	WG1018559
Chlorobenzene	U		0.140	0.500	1	09/09/2017 13:30	WG1018559
Chlorodibromomethane	U		0.128	0.500	1	09/09/2017 13:30	WG1018559
Chloroethane	U		0.141	2.50	1	09/09/2017 13:30	WG1018559
Chloroform	U		0.0860	0.500	1	09/09/2017 13:30	WG1018559
Chloromethane	U		0.153	1.25	1	09/09/2017 13:30	WG1018559
2-Chlorotoluene	U		0.111	0.500	1	09/09/2017 13:30	WG1018559
4-Chlorotoluene	U		0.0972	0.500	1	09/09/2017 13:30	WG1018559
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/09/2017 13:30	WG1018559
1,2-Dibromoethane	U		0.193	0.500	1	09/09/2017 13:30	WG1018559
Dibromomethane	U		0.117	0.500	1	09/09/2017 13:30	WG1018559
1,2-Dichlorobenzene	U		0.101	0.500	1	09/09/2017 13:30	WG1018559
1,3-Dichlorobenzene	U		0.130	0.500	1	09/09/2017 13:30	WG1018559
1,4-Dichlorobenzene	U		0.121	0.500	1	09/09/2017 13:30	WG1018559
Dichlorodifluoromethane	U		0.127	2.50	1	09/09/2017 13:30	WG1018559
1,1-Dichloroethane	U		0.114	0.500	1	09/09/2017 13:30	WG1018559
1,2-Dichloroethane	U		0.108	0.500	1	09/09/2017 13:30	WG1018559
1,1-Dichloroethene	U		0.188	0.500	1	09/09/2017 13:30	WG1018559
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/09/2017 13:30	WG1018559
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/09/2017 13:30	WG1018559
1,2-Dichloropropane	U		0.190	0.500	1	09/09/2017 13:30	WG1018559
1,1-Dichloropropene	U		0.128	0.500	1	09/09/2017 13:30	WG1018559
1,3-Dichloropropane	U		0.147	1.00	1	09/09/2017 13:30	WG1018559
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/09/2017 13:30	WG1018559
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/09/2017 13:30	WG1018559
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/09/2017 13:30	WG1018559
2,2-Dichloropropane	U		0.0929	0.500	1	09/09/2017 13:30	WG1018559
Di-isopropyl ether	U		0.0924	0.500	1	09/09/2017 13:30	WG1018559
Ethylbenzene	U		0.158	0.500	1	09/09/2017 13:30	WG1018559
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/09/2017 13:30	WG1018559
2-Hexanone	U		0.757	5.00	1	09/09/2017 13:30	WG1018559
n-Hexane	U		0.305	5.00	1	09/09/2017 13:30	WG1018559
Iodomethane	U		0.377	10.0	1	09/09/2017 13:30	WG1018559
Isopropylbenzene	U		0.126	0.500	1	09/09/2017 13:30	WG1018559
p-Isopropyltoluene	U		0.138	0.500	1	09/09/2017 13:30	WG1018559
2-Butanone (MEK)	U		1.28	5.00	1	09/09/2017 13:30	WG1018559
Methylene Chloride	U		1.07	2.50	1	09/09/2017 13:30	WG1018559
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/09/2017 13:30	WG1018559
Methyl tert-butyl ether	U		0.102	0.500	1	09/09/2017 13:30	WG1018559
Naphthalene	U		0.174	2.50	1	09/09/2017 13:30	WG1018559
n-Propylbenzene	U		0.162	0.500	1	09/09/2017 13:30	WG1018559
Styrene	U		0.117	0.500	1	09/09/2017 13:30	WG1018559
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/09/2017 13:30	WG1018559
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/09/2017 13:30	WG1018559

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/09/2017 13:30	WG1018559
Tetrachloroethene	U		0.199	0.500	1	09/09/2017 13:30	WG1018559
Toluene	U		0.412	0.500	1	09/09/2017 13:30	WG1018559
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/09/2017 13:30	WG1018559
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/09/2017 13:30	WG1018559
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/09/2017 13:30	WG1018559
1,1,2-Trichloroethane	U		0.186	0.500	1	09/09/2017 13:30	WG1018559
Trichloroethene	U		0.153	0.500	1	09/09/2017 13:30	WG1018559
Trichlorofluoromethane	U		0.130	2.50	1	09/09/2017 13:30	WG1018559
1,2,3-Trichloropropane	U		0.247	2.50	1	09/09/2017 13:30	WG1018559
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/09/2017 13:30	WG1018559
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/09/2017 13:30	WG1018559
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/09/2017 13:30	WG1018559
Vinyl acetate	U		0.645	5.00	1	09/09/2017 13:30	WG1018559
Vinyl chloride	U		0.118	0.500	1	09/09/2017 13:30	WG1018559
Xylenes, Total	U		0.316	1.50	1	09/09/2017 13:30	WG1018559
(S) Toluene-d8	*99.6*			*80.0-120*		*09/09/2017 13:30*	WG1018559
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/09/2017 13:30*	WG1018559
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*09/09/2017 13:30*	WG1018559

Method Blank (MB)

(MB) R3249149-1 09/13/17 10:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000600			

L934673-01 Original Sample (OS) • Duplicate (DUP)

(OS) L934673-01 09/13/17 10:25 • (DUP) R3249149-3 09/13/17 10:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	82.0	84.4	1	2.86		5

Laboratory Control Sample (LCS)

(LCS) R3249149-2 09/13/17 10:25

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) R3249144-1 09/13/17 09:49

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000700			

L934673-09 Original Sample (OS) • Duplicate (DUP)

(OS) L934673-09 09/13/17 09:49 • (DUP) R3249144-3 09/13/17 09:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.1	88.8	1	1.95		5

Laboratory Control Sample (LCS)

(LCS) R3249144-2 09/13/17 09:49

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) R3249114-3 09/10/17 05:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	36.8	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-122*

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

(LCS) R3249114-1 09/10/17 04:37 • (LCSD) R3249114-2 09/10/17 04:59

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 %
Gasoline Range Organics-NWTPH	5500	5990	6020	109	110	72.0-134			0.490	20
(S) a,a,a-Trifluorotoluene(FID)				*103*	*103*	*77.0-122*				

L934658-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L934658-01 09/10/17 18:54 • (MS) R3249114-4 09/11/17 02:18 • (MSD) R3249114-5 09/11/17 02:40

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	189	5310	5840	93.1	103	1	23.0-159			9.57	20
(S) a,a,a-Trifluorotoluene(FID)					*99.7*	*99.7*		*77.0-122*				

Method Blank (MB)

(MB) R3248102-3 09/08/17 19:30

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) R3248102-3 09/08/17 19:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
n-Hexane	U		0.000290	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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*98.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*

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

(LCS) R3248102-1 09/08/17 18:28 • (LCSD) R3248102-2 09/08/17 18:49

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	0.0879	0.0981	70.3	78.5	11.0-160			11.0	23
Acrylonitrile	0.125	0.105	0.116	83.7	92.6	61.0-143			10.1	20
Benzene	0.0250	0.0225	0.0226	89.9	90.4	71.0-124			0.540	20
Bromobenzene	0.0250	0.0218	0.0216	87.3	86.4	78.0-120			1.02	20
Bromodichloromethane	0.0250	0.0231	0.0234	92.5	93.7	75.0-120			1.32	20
Bromoform	0.0250	0.0218	0.0230	87.3	92.0	65.0-133			5.26	20
Bromochloromethane	0.0250	0.0223	0.0233	89.1	93.2	80.0-121			4.53	20
Bromomethane	0.0250	0.0245	0.0242	97.9	96.7	26.0-160			1.26	20
n-Butylbenzene	0.0250	0.0234	0.0240	93.7	96.0	73.0-126			2.41	20
sec-Butylbenzene	0.0250	0.0222	0.0226	89.0	90.5	75.0-121			1.73	20
tert-Butylbenzene	0.0250	0.0221	0.0225	88.4	90.0	74.0-122			1.86	20
Carbon disulfide	0.0250	0.0240	0.0240	96.1	96.0	53.0-130			0.0400	20
Carbon tetrachloride	0.0250	0.0220	0.0229	88.0	91.4	66.0-123			3.84	20
Chlorobenzene	0.0250	0.0246	0.0249	98.4	99.6	79.0-121			1.20	20
Chlorodibromomethane	0.0250	0.0236	0.0241	94.3	96.4	74.0-128			2.12	20
Chloroethane	0.0250	0.0239	0.0238	95.7	95.1	51.0-147			0.610	20
Chloroform	0.0250	0.0226	0.0224	90.4	89.5	73.0-123			1.01	20
Chloromethane	0.0250	0.0223	0.0206	89.3	82.5	51.0-138			7.92	20
2-Chlorotoluene	0.0250	0.0221	0.0226	88.4	90.5	72.0-124			2.36	20
4-Chlorotoluene	0.0250	0.0214	0.0221	85.8	88.3	78.0-120			2.89	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0222	0.0222	88.8	88.8	65.0-126			0.0200	20
1,2-Dibromoethane	0.0250	0.0229	0.0238	91.4	95.3	78.0-122			4.14	20
Dibromomethane	0.0250	0.0225	0.0222	89.8	88.8	79.0-120			1.21	20
1,2-Dichlorobenzene	0.0250	0.0234	0.0234	93.7	93.5	80.0-120			0.210	20
1,3-Dichlorobenzene	0.0250	0.0237	0.0240	94.7	95.9	72.0-123			1.26	20
1,4-Dichlorobenzene	0.0250	0.0219	0.0224	87.4	89.6	77.0-120			2.45	20
Dichlorodifluoromethane	0.0250	0.0219	0.0215	87.5	86.2	49.0-155			1.50	20
trans-1,4-Dichloro-2-butene	0.0250	0.0231	0.0235	92.4	94.2	68.0-126			1.92	20
1,1-Dichloroethane	0.0250	0.0232	0.0235	92.8	93.9	70.0-128			1.15	20
1,2-Dichloroethane	0.0250	0.0232	0.0238	92.7	95.1	69.0-128			2.54	20
1,1-Dichloroethene	0.0250	0.0236	0.0234	94.5	93.8	63.0-131			0.780	20
cis-1,2-Dichloroethene	0.0250	0.0208	0.0212	83.3	84.9	74.0-123			1.86	20
trans-1,2-Dichloroethene	0.0250	0.0212	0.0214	84.6	85.4	72.0-122			0.960	20
1,2-Dichloropropane	0.0250	0.0240	0.0243	96.0	97.2	75.0-126			1.26	20
1,1-Dichloropropene	0.0250	0.0228	0.0225	91.2	90.0	72.0-130			1.43	20
1,3-Dichloropropane	0.0250	0.0240	0.0250	96.1	100	80.0-121			4.07	20
cis-1,3-Dichloropropene	0.0250	0.0254	0.0268	101	107	80.0-125			5.36	20
trans-1,3-Dichloropropene	0.0250	0.0264	0.0276	106	110	75.0-129			4.17	20
2,2-Dichloropropane	0.0250	0.0231	0.0238	92.4	95.3	60.0-129			3.03	20
Di-isopropyl ether	0.0250	0.0218	0.0219	87.1	87.4	62.0-133			0.370	20

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

(LCS) R3248102-1 09/08/17 18:28 • (LCSD) R3248102-2 09/08/17 18:49

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	0.0232	0.0231	92.9	92.5	77.0-120			0.380	20
Hexachloro-1,3-butadiene	0.0250	0.0250	0.0245	99.8	98.1	68.0-128			1.69	20
n-Hexane	0.0250	0.0203	0.0202	81.2	80.7	57.0-125			0.700	20
2-Hexanone	0.125	0.114	0.113	90.9	90.6	61.0-143			0.320	20
Isopropylbenzene	0.0250	0.0213	0.0216	85.0	86.6	75.0-120			1.81	20
Iodomethane	0.125	0.133	0.136	107	109	67.0-132			2.19	20
p-Isopropyltoluene	0.0250	0.0231	0.0234	92.5	93.5	74.0-125			1.09	20
2-Butanone (MEK)	0.125	0.113	0.115	90.4	92.2	37.0-159			1.90	20
Methylene Chloride	0.0250	0.0209	0.0208	83.6	83.0	67.0-123			0.660	20
4-Methyl-2-pentanone (MIBK)	0.125	0.117	0.119	93.5	95.2	60.0-144			1.76	20
Methyl tert-butyl ether	0.0250	0.0212	0.0214	85.0	85.5	66.0-125			0.620	20
Naphthalene	0.0250	0.0224	0.0218	89.5	87.0	64.0-125			2.79	20
n-Propylbenzene	0.0250	0.0222	0.0225	88.6	90.1	78.0-120			1.69	20
Styrene	0.0250	0.0224	0.0229	89.7	91.5	78.0-124			2.02	20
1,1,1,2-Tetrachloroethane	0.0250	0.0226	0.0233	90.4	93.2	74.0-124			3.13	20
1,1,2,2-Tetrachloroethane	0.0250	0.0214	0.0219	85.7	87.5	73.0-120			2.14	20
Tetrachloroethene	0.0250	0.0255	0.0260	102	104	70.0-127			1.81	20
Toluene	0.0250	0.0221	0.0229	88.5	91.7	77.0-120			3.52	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0243	0.0242	97.1	96.6	64.0-135			0.520	20
1,2,3-Trichlorobenzene	0.0250	0.0250	0.0241	100	96.4	68.0-126			3.67	20
1,2,4-Trichlorobenzene	0.0250	0.0255	0.0252	102	101	70.0-127			0.950	20
1,1,1-Trichloroethane	0.0250	0.0221	0.0223	88.4	89.2	69.0-125			0.910	20
1,1,2-Trichloroethane	0.0250	0.0222	0.0231	88.7	92.3	78.0-120			3.93	20
Trichloroethene	0.0250	0.0238	0.0238	95.3	95.1	79.0-120			0.230	20
Trichlorofluoromethane	0.0250	0.0284	0.0286	113	114	59.0-136			0.870	20
1,2,3-Trichloropropane	0.0250	0.0204	0.0210	81.8	84.2	73.0-124			2.84	20
1,2,3-Trimethylbenzene	0.0250	0.0204	0.0203	81.6	81.1	76.0-120			0.580	20
1,2,4-Trimethylbenzene	0.0250	0.0204	0.0207	81.7	82.9	75.0-120			1.53	20
1,3,5-Trimethylbenzene	0.0250	0.0215	0.0217	85.9	86.7	75.0-120			0.920	20
Vinyl chloride	0.0250	0.0272	0.0267	109	107	63.0-134			2.06	20
Xylenes, Total	0.0750	0.0668	0.0681	89.1	90.8	77.0-120			1.93	20
Vinyl acetate	0.125	0.130	0.130	104	104	58.0-156			0.0100	20
(S) Toluene-d8				*104*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*97.5*	*96.6*	*74.0-131*				
(S) 4-Bromofluorobenzene				*91.5*	*91.1*	*64.0-132*				

L934673-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L934673-12 09/09/17 02:32 • (MS) R3248102-4 09/09/17 03:33 • (MSD) R3248102-5 09/09/17 03:54

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	0.153	U	4.90	5.54	32.0	36.2	100	10.0-160			12.3	36
Acrylonitrile	0.153	U	10.1	10.9	65.9	71.3	100	14.0-160			7.89	33
Benzene	0.0306	U	1.85	1.88	60.5	61.5	100	13.0-146			1.67	27
Bromobenzene	0.0306	U	1.87	1.98	60.9	64.5	100	10.0-149			5.78	33
Bromodichloromethane	0.0306	U	2.04	2.09	66.7	68.3	100	15.0-142			2.35	28
Bromoform	0.0306	U	1.93	2.06	62.9	67.3	100	10.0-147			6.76	31
Bromomethane	0.0306	U	2.09	2.03	68.2	66.1	100	10.0-160			3.06	32
Bromochloromethane	0.0306	U	1.95	2.01	63.7	65.5	100	24.0-146			2.73	27
n-Butylbenzene	0.0306	U	1.86	1.96	60.6	64.0	100	10.0-154			5.39	37
sec-Butylbenzene	0.0306	U	1.86	1.93	60.6	62.8	100	10.0-151			3.62	36
tert-Butylbenzene	0.0306	U	1.93	1.98	63.0	64.6	100	10.0-152			2.56	35
Carbon disulfide	0.0306	U	1.34	1.36	43.7	44.3	100	10.0-141			1.34	30
Carbon tetrachloride	0.0306	U	1.86	1.81	60.9	59.2	100	13.0-140			2.81	30
Chlorobenzene	0.0306	U	2.10	2.21	68.7	72.0	100	10.0-149			4.67	31
Chlorodibromomethane	0.0306	U	2.14	2.19	69.8	71.5	100	12.0-147			2.30	29
Chloroethane	0.0306	U	1.89	1.85	61.6	60.4	100	10.0-159			1.91	33
Chloroform	0.0306	U	1.95	1.98	63.6	64.6	100	18.0-148			1.69	28
Chloromethane	0.0306	U	1.61	1.44	52.5	47.1	100	10.0-146			10.7	29
2-Chlorotoluene	0.0306	U	1.89	1.98	61.5	64.8	100	10.0-151			5.11	35
4-Chlorotoluene	0.0306	U	1.86	1.95	60.6	63.6	100	10.0-150			4.69	35
1,2-Dibromo-3-Chloropropane	0.0306	U	1.94	2.09	63.2	68.4	100	10.0-149			7.84	34
1,2-Dibromoethane	0.0306	U	2.02	2.12	65.9	69.1	100	14.0-145			4.69	28
Dibromomethane	0.0306	U	1.91	2.08	62.4	67.9	100	18.0-144			8.42	27
1,2-Dichlorobenzene	0.0306	U	2.04	2.09	66.6	68.2	100	10.0-153			2.35	34
1,3-Dichlorobenzene	0.0306	U	1.94	2.06	63.4	67.1	100	10.0-150			5.68	35
1,4-Dichlorobenzene	0.0306	U	1.90	2.00	61.9	65.1	100	10.0-148			5.07	34
Dichlorodifluoromethane	0.0306	U	1.89	1.78	61.8	58.2	100	10.0-160			5.93	30
1,1-Dichloroethane	0.0306	U	1.96	1.98	64.0	64.7	100	19.0-148			1.17	28
1,2-Dichloroethane	0.0306	U	2.04	2.15	66.5	70.1	100	17.0-147			5.26	27
trans-1,4-Dichloro-2-butene	0.0306	U	2.35	2.42	76.6	78.9	100	10.0-160			2.99	40
1,1-Dichloroethene	0.0306	U	1.89	1.91	61.6	62.2	100	10.0-150			1.02	31
cis-1,2-Dichloroethene	0.0306	U	1.78	1.74	58.2	56.8	100	16.0-145			2.41	28
trans-1,2-Dichloroethene	0.0306	U	1.65	1.67	53.9	54.5	100	11.0-142			1.23	29
1,2-Dichloropropane	0.0306	U	2.11	2.18	69.0	71.0	100	17.0-148			2.94	28
1,1-Dichloropropene	0.0306	U	1.86	1.87	60.8	60.9	100	10.0-150			0.190	30
1,3-Dichloropropane	0.0306	U	2.21	2.31	72.0	75.4	100	16.0-148			4.61	27
cis-1,3-Dichloropropene	0.0306	U	2.32	2.36	75.7	77.0	100	13.0-150			1.72	28
trans-1,3-Dichloropropene	0.0306	U	2.40	2.50	78.2	81.7	100	10.0-152			4.28	29
2,2-Dichloropropane	0.0306	U	1.87	1.87	61.0	61.2	100	16.0-143			0.280	30

L934673-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L934673-12 09/09/17 02:32 • (MS) R3248102-4 09/09/17 03:33 • (MSD) R3248102-5 09/09/17 03:54

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	0.0306	U	1.93	2.01	63.0	65.6	100	16.0-149			3.99	28
Ethylbenzene	0.0306	U	1.94	2.02	63.2	66.1	100	10.0-147			4.46	31
Hexachloro-1,3-butadiene	0.0306	U	2.11	2.09	69.0	68.2	100	10.0-154			1.17	40
n-Hexane	0.0306	U	1.38	1.40	45.1	45.8	100	10.0-140			1.62	34
Isopropylbenzene	0.0306	U	1.80	1.87	58.8	61.1	100	10.0-147			3.93	33
2-Hexanone	0.153	U	9.01	9.29	58.8	60.6	100	12.0-158			3.03	30
p-Isopropyltoluene	0.0306	U	1.92	1.96	62.5	64.0	100	10.0-156			2.38	37
2-Butanone (MEK)	0.153	U	7.67	8.36	50.1	54.5	100	10.0-160			8.57	33
Iodomethane	0.153	U	11.6	11.5	75.5	75.4	100	10.0-157			0.150	34
Methylene Chloride	0.0306	U	1.84	1.80	60.1	58.6	100	16.0-139			2.52	29
4-Methyl-2-pentanone (MIBK)	0.153	U	10.3	10.6	67.4	68.9	100	12.0-160			2.30	32
Methyl tert-butyl ether	0.0306	U	1.90	2.00	61.9	65.4	100	21.0-145			5.53	29
Naphthalene	0.0306	U	1.78	1.90	58.2	62.2	100	10.0-153			6.56	36
n-Propylbenzene	0.0306	U	1.82	1.92	59.3	62.6	100	10.0-151			5.45	34
Styrene	0.0306	U	1.89	2.04	61.6	66.7	100	10.0-155			7.94	34
1,1,1,2-Tetrachloroethane	0.0306	U	2.07	2.12	67.4	69.3	100	10.0-147			2.76	30
1,1,2,2-Tetrachloroethane	0.0306	U	1.83	1.88	59.6	61.4	100	10.0-155			2.97	31
Tetrachloroethene	0.0306	5.18	7.38	7.03	71.7	60.3	100	10.0-144			4.87	32
Toluene	0.0306	U	1.85	1.95	60.3	63.6	100	10.0-144			5.33	28
1,1,2-Trichlorotrifluoroethane	0.0306	U	2.23	2.17	72.6	70.8	100	10.0-153			2.56	33
1,2,3-Trichlorobenzene	0.0306	U	2.06	2.16	67.3	70.5	100	10.0-153			4.63	40
1,2,4-Trichlorobenzene	0.0306	U	2.06	2.24	67.2	73.1	100	10.0-156			8.44	40
1,1,1-Trichloroethane	0.0306	U	1.87	1.81	60.9	59.1	100	18.0-145			3.13	29
1,1,2-Trichloroethane	0.0306	U	1.99	2.06	65.0	67.2	100	12.0-151			3.41	28
Trichloroethene	0.0306	0.704	2.67	2.64	64.0	63.3	100	11.0-148			0.840	29
Trichlorofluoromethane	0.0306	U	2.52	2.53	82.4	82.5	100	10.0-157			0.150	34
1,2,3-Trichloropropane	0.0306	U	1.83	1.97	59.8	64.1	100	10.0-154			6.94	32
1,2,3-Trimethylbenzene	0.0306	U	1.90	1.93	62.1	63.1	100	10.0-150			1.50	33
1,2,4-Trimethylbenzene	0.0306	U	1.76	1.84	57.3	60.1	100	10.0-151			4.78	34
1,3,5-Trimethylbenzene	0.0306	U	1.78	1.87	58.0	61.1	100	10.0-150			5.17	33
Vinyl chloride	0.0306	U	1.90	1.82	62.2	59.5	100	10.0-150			4.33	29
Xylenes, Total	0.0919	U	5.69	5.82	61.9	63.3	100	10.0-150			2.34	31
Vinyl acetate	0.153	U	12.0	12.6	78.0	82.4	100	10.0-160			5.47	40
(S) Toluene-d8					*105*	*104*		*80.0-120*				
(S) Dibromofluoromethane					*97.5*	*94.5*		*74.0-131*				
(S) 4-Bromofluorobenzene					*90.3*	*90.3*		*64.0-132*				

Method Blank (MB)

(MB) R3248093-3 09/09/17 11:50

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) R3248093-3 09/09/17 11:50

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	*99.6*			*80.0-120*
(S) Dibromofluoromethane	*102*			*76.0-123*
(S) 4-Bromofluorobenzene	*107*			*80.0-120*

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

(LCS) R3248093-1 09/09/17 10:45 • (LCSD) R3248093-2 09/09/17 11:06

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	139	138	111	110	10.0-160			0.380	23
Acrylonitrile	125	148	146	119	116	60.0-142			1.79	20
Benzene	25.0	25.0	25.3	99.8	101	69.0-123			1.35	20
Bromobenzene	25.0	26.1	26.6	105	106	79.0-120			1.62	20
Bromodichloromethane	25.0	26.6	27.3	106	109	76.0-120			2.41	20
Bromochloromethane	25.0	24.8	25.7	99.4	103	76.0-122			3.23	20
Bromoform	25.0	28.0	27.5	112	110	67.0-132			2.06	20
Bromomethane	25.0	22.4	21.9	89.8	87.7	18.0-160			2.28	20
n-Butylbenzene	25.0	23.4	24.2	93.5	97.0	72.0-126			3.60	20
sec-Butylbenzene	25.0	25.4	26.0	102	104	74.0-121			2.32	20
tert-Butylbenzene	25.0	24.5	25.0	98.0	99.9	75.0-122			1.91	20
Carbon disulfide	25.0	23.6	24.1	94.5	96.4	55.0-127			1.99	20
Carbon tetrachloride	25.0	23.7	25.2	94.9	101	63.0-122			5.84	20
Chlorobenzene	25.0	23.3	23.3	93.4	93.4	79.0-121			0.0100	20
Chlorodibromomethane	25.0	25.2	25.0	101	100	75.0-125			0.610	20
Chloroethane	25.0	21.4	21.6	85.4	86.3	47.0-152			1.07	20
Chloroform	25.0	25.5	25.9	102	104	72.0-121			1.39	20
Chloromethane	25.0	22.1	23.1	88.5	92.5	48.0-139			4.42	20
2-Chlorotoluene	25.0	25.2	25.8	101	103	74.0-122			2.12	20
4-Chlorotoluene	25.0	25.6	26.0	102	104	79.0-120			1.50	20
1,2-Dibromo-3-Chloropropane	25.0	25.4	24.5	102	98.0	64.0-127			3.64	20
1,2-Dibromoethane	25.0	24.9	25.1	99.7	100	77.0-123			0.690	20
Dibromomethane	25.0	26.3	26.3	105	105	78.0-120			0.0300	20
1,2-Dichlorobenzene	25.0	24.3	24.7	97.3	98.7	80.0-120			1.43	20
1,3-Dichlorobenzene	25.0	24.5	25.0	98.1	100	72.0-123			2.06	20
1,4-Dichlorobenzene	25.0	23.7	23.9	94.7	95.6	77.0-120			0.940	20
Dichlorodifluoromethane	25.0	22.8	24.0	91.0	95.9	49.0-155			5.19	20
1,1-Dichloroethane	25.0	26.3	26.7	105	107	70.0-126			1.66	20
1,2-Dichloroethane	25.0	27.8	27.8	111	111	67.0-126			0.310	20
1,1-Dichloroethene	25.0	24.1	24.5	96.5	98.2	64.0-129			1.70	20
cis-1,2-Dichloroethene	25.0	24.7	25.0	98.7	100	73.0-120			1.49	20
trans-1,2-Dichloroethene	25.0	24.2	24.8	96.9	99.0	71.0-121			2.16	20
1,2-Dichloropropane	25.0	27.5	27.9	110	112	75.0-125			1.45	20
1,1-Dichloropropene	25.0	24.9	25.3	99.6	101	71.0-129			1.57	20
1,3-Dichloropropane	25.0	25.1	25.1	100	101	80.0-121			0.140	20
cis-1,3-Dichloropropene	25.0	26.7	27.0	107	108	79.0-123			1.02	20
trans-1,3-Dichloropropene	25.0	26.4	26.4	106	105	74.0-127			0.170	20
trans-1,4-Dichloro-2-butene	25.0	22.5	22.0	90.0	87.9	55.0-134			2.31	20
2,2-Dichloropropane	25.0	23.2	23.3	92.6	93.2	60.0-125			0.650	20
Di-isopropyl ether	25.0	27.1	27.6	108	110	59.0-133			1.81	20

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

(LCS) R3248093-1 09/09/17 10:45 • (LCSD) R3248093-2 09/09/17 11:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	22.1	22.7	88.5	90.6	77.0-120			2.39	20
Hexachloro-1,3-butadiene	25.0	20.4	22.3	81.7	89.3	64.0-131			8.87	20
2-Hexanone	125	139	137	112	109	58.0-147			1.89	20
n-Hexane	25.0	21.9	22.9	87.7	91.4	56.0-124			4.19	20
Iodomethane	125	119	122	95.3	97.3	57.0-140			2.01	20
Isopropylbenzene	25.0	25.1	25.5	100	102	75.0-120			1.49	20
p-Isopropyltoluene	25.0	25.4	26.0	102	104	74.0-126			2.53	20
2-Butanone (MEK)	125	138	136	110	109	37.0-158			0.950	20
Methylene Chloride	25.0	24.7	25.0	99.0	100	66.0-121			1.00	20
4-Methyl-2-pentanone (MIBK)	125	141	138	113	111	59.0-143			1.62	20
Methyl tert-butyl ether	25.0	25.9	26.2	104	105	64.0-123			1.35	20
Naphthalene	25.0	24.4	25.1	97.7	100	62.0-128			2.64	20
n-Propylbenzene	25.0	25.6	26.0	102	104	79.0-120			1.67	20
Styrene	25.0	27.7	28.1	111	112	78.0-124			1.43	20
1,1,1,2-Tetrachloroethane	25.0	23.9	23.9	95.5	95.7	75.0-122			0.220	20
1,1,2,2-Tetrachloroethane	25.0	28.1	27.8	112	111	71.0-122			1.04	20
1,1,2-Trichlorotrifluoroethane	25.0	23.2	23.9	92.9	95.6	61.0-136			2.85	20
Tetrachloroethene	25.0	22.2	22.5	88.8	89.9	70.0-127			1.19	20
Toluene	25.0	22.7	23.0	90.9	91.9	77.0-120			1.08	20
1,2,3-Trichlorobenzene	25.0	21.8	22.8	87.4	91.3	61.0-133			4.43	20
1,2,4-Trichlorobenzene	25.0	21.5	22.3	85.8	89.2	69.0-129			3.78	20
1,1,1-Trichloroethane	25.0	25.5	25.9	102	103	68.0-122			1.44	20
1,1,2-Trichloroethane	25.0	24.2	24.3	96.8	97.0	78.0-120			0.240	20
Trichloroethene	25.0	24.5	24.6	97.9	98.4	78.0-120			0.490	20
Trichlorofluoromethane	25.0	22.2	22.8	88.7	91.0	56.0-137			2.55	20
1,2,3-Trichloropropane	25.0	28.3	28.0	113	112	72.0-124			1.05	20
1,2,4-Trimethylbenzene	25.0	25.6	25.9	102	104	75.0-120			1.23	20
1,2,3-Trimethylbenzene	25.0	23.2	23.6	92.7	94.3	75.0-120			1.70	20
1,3,5-Trimethylbenzene	25.0	25.1	25.6	101	103	75.0-120			2.06	20
Vinyl acetate	125	127	120	101	96.2	46.0-160			5.22	20
Vinyl chloride	25.0	22.8	24.0	91.2	95.9	64.0-133			5.04	20
Xylenes, Total	75.0	68.2	69.3	90.9	92.4	77.0-120			1.60	20
(S) Toluene-d8				*96.7*	*96.6*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*101*	*76.0-123*				
(S) 4-Bromofluorobenzene				*105*	*106*	*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.

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.

State Accreditations

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

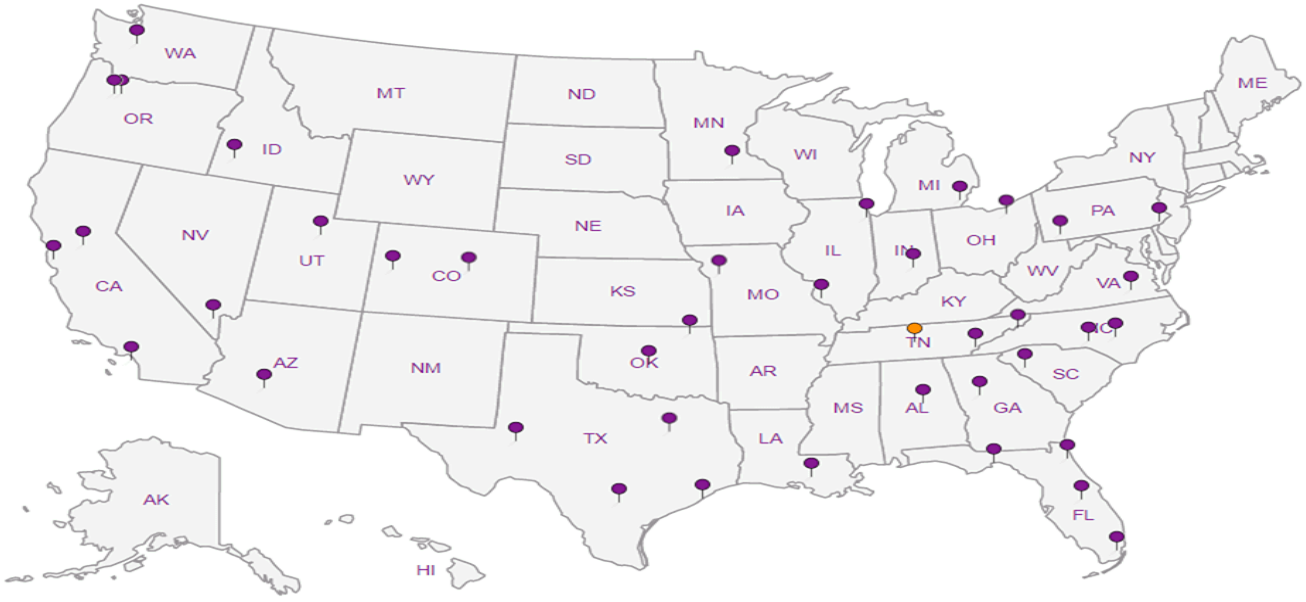
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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 #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B-213-85	GRAB	SS ~~GW~~	85	9/5/17	1615	~~4~~ 8		~~X~~	X	X	~~X~~		-01
B-217-55		SS ~~GW~~	55		1625	~~4~~ 8		~~X~~	X	X	~~X~~		-02
B-217-65		SS ~~GW~~	65		1650	~~4~~ 8		~~X~~	X	X	~~X~~		-03
B-217-75		SS ~~GW~~	75		1730	~~4~~ 8		~~X~~	X	X	~~X~~		-04
B-217-85		SS	85	9/6/17	0900	4			X	X			-05
B-213-90-W		~~GW~~ SS	90		1050	~~6~~ 8		X	~~X~~	~~X~~	X		-06
B-213-95		SS	95		1130	4			X	X			-07
B-217-95		SS	95		1020	4			X	X			-08
B-217-105		SS	105		1120	4			X	X		HOLD	~~-09~~
B-906-110		SS	110		~~1140~~ 1215	4			X	X			-09

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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# 193467 3

D124

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
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 __ FedEx __ Courier __ _____

Tracking # 7474 0921 0274

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: X N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	9/6/17	1530	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
1X HCL / MeoH TBR

Temp: 2.9 and 50 °C Bottles Received: EW 5963

If preservation required by Login: Date/Time

Date: 9/7/17 Time: 0845

09-015

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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON McKERNAN

Site/Facility ID # 1413.001.02.602

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 #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
~~DAW-~~ B-213-105	GRAB	SS	105	9/6/17	1215	~~4~~ 8	~~4~~ 8		X	X		~~HOLD~~	-10
~~DAW-~~ B-213-115	GRAB	SS	115	9/6/17	1240	~~4~~ 8	~~4~~ 8		X	X			-11
~~MW-~~ B-217-106	↓	~~SS~~ GW	106		1330	~~4~~ 8		~~4~~ 8	X	X	~~4~~ 8		-12
~~DAW-~~ B-217-115	↓	~~SS~~ GW	115		1340	~~4~~ 8		~~4~~ 8	X	X	~~4~~ 8		-13
~~DAW-~~ B-213-125	↓	~~SS~~ GW	125	↓	1410	~~4~~ 8		~~4~~ 8	X	X	~~4~~ 8		-14
~~MW-~~ TRIPBLANK-090617	NA	~~GW~~	NA	3/27/17	NA	~~1~~ 8		~~4~~ 8			X		-15
MW-		GW		~~2~~		6		X			X		~~-16~~

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # Same

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: X 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
	9/6/17	1530		1x	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.9 °C Bottles Received: 63	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/7/17 Time: 0845	Hold: / Condition: NCF / OK

Chain of Custody Page 2 of 2

ESC LABORATORY SCIENCES
a subsidiary of Accutest

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

L # L934673

Table #

Acctnum: PESENVSWA

Template: T126581

Prelogin: P613267

TSR: 110 - Brian Ford

PB: 8/7/17 VMS

Shipped Via: FedEX 2nd Day

MEMORANDUM

TO: Project File **DATE:** September 21, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.002

TASK: September 5-6, 2017 – Soil and Groundwater Samples

LAB: ESC Lab ID L934673

Thirteen (13) soil samples including a field duplicate, one (1) groundwater sample and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 5-6, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. One soil sample was placed on hold. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L934673. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in X# ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L934130, L934673, L934916, and). The quality assurance review of the sample data associated with SDG L934673 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 5-6, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.9 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved water from the date of sample 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.

General Chemistry (Total Solids):
Samples were analyzed within the USEPA recommended holding time of 7 days for total solids. All holding time criteria were met.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable and ESC's notes do not indicate any issues.

Method Blank Results

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

NWTPH-Gx Method:
A laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) was detected between the method detection limit and the reporting detection limit. No action was taken as the associated gasoline sample result is far greater than the established action criteria.

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

Trip Blank Results

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

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (B-213-105 and B-906-110) results are comparable and less than 30% RPD.

Laboratory Duplicate Analyses

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

NWTPH-Gx Method:
A laboratory duplicate sample was not analyzed. Refer to LCS/LCSD and/or MS/MSD results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples B-213-85 and B-906-110 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, LCS/LCSD, MS/MSD, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSD, 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 soils and waters.

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for water.

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:
MS/MSD analysis was performed on client sample B-217-106. MS/MSD % Rs and RPD were within the laboratory control criteria for soils. A matrix spike was not performed on the water sample. Refer to LCS/LCSD results for precision data.

NWTPH-Gx Method:
MS/MSD analysis was performed on a non-client sample within the analytical batch. MS/MSD % Rs and RPD were within the laboratory control criteria for soils.

Other Quality Control Issues

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

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	0.0610	1	09/08/2017 23:07	WG1018380
Acrylonitrile	U		0.00218	0.0122	1	09/08/2017 23:07	WG1018380
Benzene	U		0.000329	0.00122	1	09/08/2017 23:07	WG1018380
Bromobenzene	U		0.000346	0.00122	1	09/08/2017 23:07	WG1018380
Bromodichloromethane	U		0.000310	0.00122	1	09/08/2017 23:07	WG1018380
Bromochloromethane	U		0.000475	0.00610	1	09/08/2017 23:07	WG1018380
Bromoform	U		0.000517	0.00122	1	09/08/2017 23:07	WG1018380
Bromomethane	U		0.00163	0.00610	1	09/08/2017 23:07	WG1018380
n-Butylbenzene	U		0.000315	0.00122	1	09/08/2017 23:07	WG1018380
sec-Butylbenzene	U		0.000245	0.00122	1	09/08/2017 23:07	WG1018380
tert-Butylbenzene	U		0.000251	0.00122	1	09/08/2017 23:07	WG1018380
Carbon disulfide	0.000882 J	J	0.000269	0.00122	1	09/08/2017 23:07	WG1018380
Carbon tetrachloride	U		0.000400	0.00122	1	09/08/2017 23:07	WG1018380
Chlorobenzene	U		0.000258	0.00122	1	09/08/2017 23:07	WG1018380
Chlorodibromomethane	U		0.000455	0.00122	1	09/08/2017 23:07	WG1018380
Chloroethane	U		0.00115	0.00610	1	09/08/2017 23:07	WG1018380
Chloroform	U		0.000279	0.00610	1	09/08/2017 23:07	WG1018380
Chloromethane	U		0.000457	0.00305	1	09/08/2017 23:07	WG1018380
2-Chlorotoluene	U		0.000367	0.00122	1	09/08/2017 23:07	WG1018380
4-Chlorotoluene	U		0.000293	0.00122	1	09/08/2017 23:07	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00610	1	09/08/2017 23:07	WG1018380
1,2-Dibromoethane	U		0.000418	0.00122	1	09/08/2017 23:07	WG1018380
Dibromomethane	U		0.000466	0.00122	1	09/08/2017 23:07	WG1018380
1,2-Dichlorobenzene	U		0.000372	0.00122	1	09/08/2017 23:07	WG1018380
1,3-Dichlorobenzene	U		0.000291	0.00122	1	09/08/2017 23:07	WG1018380
1,4-Dichlorobenzene	U		0.000276	0.00122	1	09/08/2017 23:07	WG1018380
Dichlorodifluoromethane	U		0.000869	0.00610	1	09/08/2017 23:07	WG1018380
1,1-Dichloroethane	U		0.000243	0.00122	1	09/08/2017 23:07	WG1018380
1,2-Dichloroethane	U		0.000323	0.00122	1	09/08/2017 23:07	WG1018380
1,1-Dichloroethene	U		0.000369	0.00122	1	09/08/2017 23:07	WG1018380
cis-1,2-Dichloroethene	U		0.000286	0.00122	1	09/08/2017 23:07	WG1018380
trans-1,2-Dichloroethene	U		0.000322	0.00122	1	09/08/2017 23:07	WG1018380
1,2-Dichloropropane	U		0.000436	0.00122	1	09/08/2017 23:07	WG1018380
1,1-Dichloropropene	U		0.000386	0.00122	1	09/08/2017 23:07	WG1018380
1,3-Dichloropropane	U		0.000252	0.00122	1	09/08/2017 23:07	WG1018380
cis-1,3-Dichloropropene	U		0.000319	0.00122	1	09/08/2017 23:07	WG1018380
trans-1,3-Dichloropropene	U		0.000325	0.00122	1	09/08/2017 23:07	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000948	0.00305	1	09/08/2017 23:07	WG1018380
2,2-Dichloropropane	U		0.000340	0.00122	1	09/08/2017 23:07	WG1018380
Di-isopropyl ether	U		0.000302	0.00122	1	09/08/2017 23:07	WG1018380
Ethylbenzene	U		0.000362	0.00122	1	09/08/2017 23:07	WG1018380
Hexachloro-1,3-butadiene	U		0.000417	0.00122	1	09/08/2017 23:07	WG1018380
2-Hexanone	U		0.00167	0.0122	1	09/08/2017 23:07	WG1018380
n-Hexane	U		0.000354	0.0122	1	09/08/2017 23:07	WG1018380
Iodomethane	U		0.00308	0.0122	1	09/08/2017 23:07	WG1018380
Isopropylbenzene	U		0.000296	0.00122	1	09/08/2017 23:07	WG1018380
p-Isopropyltoluene	U		0.000249	0.00122	1	09/08/2017 23:07	WG1018380
2-Butanone (MEK)	U		0.00571	0.0122	1	09/08/2017 23:07	WG1018380
Methylene Chloride	U		0.00122	0.00610	1	09/08/2017 23:07	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	09/08/2017 23:07	WG1018380

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

Analyte	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	09/08/2017 23:07	WG1018380
Naphthalene	U		0.00122	0.00610	1	09/08/2017 23:07	WG1018380
n-Propylbenzene	U		0.000251	0.00122	1	09/08/2017 23:07	WG1018380
Styrene	U		0.000285	0.00122	1	09/08/2017 23:07	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	09/08/2017 23:07	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	09/08/2017 23:07	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	09/08/2017 23:07	WG1018380
Tetrachloroethene	U		0.000336	0.00122	1	09/08/2017 23:07	WG1018380
Toluene	U		0.000529	0.00610	1	09/08/2017 23:07	WG1018380
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	09/08/2017 23:07	WG1018380
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	09/08/2017 23:07	WG1018380
1,1,1-Trichloroethane	U		0.000349	0.00122	1	09/08/2017 23:07	WG1018380
1,1,2-Trichloroethane	U		0.000338	0.00122	1	09/08/2017 23:07	WG1018380
Trichloroethene	U		0.000340	0.00122	1	09/08/2017 23:07	WG1018380
Trichlorofluoromethane	U		0.000466	0.00610	1	09/08/2017 23:07	WG1018380
1,2,3-Trichloropropane	U		0.000903	0.00305	1	09/08/2017 23:07	WG1018380
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	09/08/2017 23:07	WG1018380
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	09/08/2017 23:07	WG1018380
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	09/08/2017 23:07	WG1018380
Vinyl acetate	U		0.00291	0.0122	1	09/08/2017 23:07	WG1018380
Vinyl chloride	U		0.000355	0.00122	1	09/08/2017 23:07	WG1018380
Xylenes, Total	U		0.000851	0.00366	1	09/08/2017 23:07	WG1018380
(S) Toluene-d8	*98.2*			*80.0-120*		*09/08/2017 23:07*	WG1018380
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/08/2017 23:07*	WG1018380
(S) 4-Bromofluorobenzene	*92.1*			*64.0-132*		*09/08/2017 23:07*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.1		1	09/13/2017 10:25	WG1019358

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0228 J	J	0.0116	0.0580	1	09/08/2017 23:27	WG1018380
Acrylonitrile	U		0.00208	0.0116	1	09/08/2017 23:27	WG1018380
Benzene	U		0.000313	0.00116	1	09/08/2017 23:27	WG1018380
Bromobenzene	U		0.000330	0.00116	1	09/08/2017 23:27	WG1018380
Bromodichloromethane	U		0.000295	0.00116	1	09/08/2017 23:27	WG1018380
Bromochloromethane	U		0.000453	0.00580	1	09/08/2017 23:27	WG1018380
Bromoform	U		0.000492	0.00116	1	09/08/2017 23:27	WG1018380
Bromomethane	U		0.00156	0.00580	1	09/08/2017 23:27	WG1018380
n-Butylbenzene	U		0.000300	0.00116	1	09/08/2017 23:27	WG1018380
sec-Butylbenzene	U		0.000233	0.00116	1	09/08/2017 23:27	WG1018380
tert-Butylbenzene	U		0.000239	0.00116	1	09/08/2017 23:27	WG1018380
Carbon disulfide	0.000321 J	J	0.000257	0.00116	1	09/08/2017 23:27	WG1018380
Carbon tetrachloride	U		0.000381	0.00116	1	09/08/2017 23:27	WG1018380
Chlorobenzene	U		0.000246	0.00116	1	09/08/2017 23:27	WG1018380
Chlorodibromomethane	U		0.000433	0.00116	1	09/08/2017 23:27	WG1018380
Chloroethane	U		0.00110	0.00580	1	09/08/2017 23:27	WG1018380
Chloroform	U		0.000266	0.00580	1	09/08/2017 23:27	WG1018380
Chloromethane	U		0.000435	0.00290	1	09/08/2017 23:27	WG1018380
2-Chlorotoluene	U		0.000349	0.00116	1	09/08/2017 23:27	WG1018380
4-Chlorotoluene	U		0.000279	0.00116	1	09/08/2017 23:27	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	09/08/2017 23:27	WG1018380
1,2-Dibromoethane	U		0.000398	0.00116	1	09/08/2017 23:27	WG1018380
Dibromomethane	U		0.000443	0.00116	1	09/08/2017 23:27	WG1018380
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/08/2017 23:27	WG1018380
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/08/2017 23:27	WG1018380
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/08/2017 23:27	WG1018380
Dichlorodifluoromethane	U		0.000828	0.00580	1	09/08/2017 23:27	WG1018380
1,1-Dichloroethane	U		0.000231	0.00116	1	09/08/2017 23:27	WG1018380
1,2-Dichloroethane	U		0.000308	0.00116	1	09/08/2017 23:27	WG1018380
1,1-Dichloroethene	0.000375 J	J	0.000352	0.00116	1	09/08/2017 23:27	WG1018380
cis-1,2-Dichloroethene	0.0787		0.000273	0.00116	1	09/08/2017 23:27	WG1018380
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/08/2017 23:27	WG1018380
1,2-Dichloropropane	U		0.000416	0.00116	1	09/08/2017 23:27	WG1018380
1,1-Dichloropropene	U		0.000368	0.00116	1	09/08/2017 23:27	WG1018380
1,3-Dichloropropane	U		0.000240	0.00116	1	09/08/2017 23:27	WG1018380
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/08/2017 23:27	WG1018380
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/08/2017 23:27	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	09/08/2017 23:27	WG1018380
2,2-Dichloropropane	U		0.000324	0.00116	1	09/08/2017 23:27	WG1018380
Di-isopropyl ether	U		0.000288	0.00116	1	09/08/2017 23:27	WG1018380
Ethylbenzene	U		0.000345	0.00116	1	09/08/2017 23:27	WG1018380
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/08/2017 23:27	WG1018380
2-Hexanone	U		0.00159	0.0116	1	09/08/2017 23:27	WG1018380
n-Hexane	U		0.000337	0.0116	1	09/08/2017 23:27	WG1018380
Iodomethane	U		0.00294	0.0116	1	09/08/2017 23:27	WG1018380
Isopropylbenzene	U		0.000282	0.00116	1	09/08/2017 23:27	WG1018380
p-Isopropyltoluene	U		0.000237	0.00116	1	09/08/2017 23:27	WG1018380
2-Butanone (MEK)	0.0155		0.00543	0.0116	1	09/08/2017 23:27	WG1018380
Methylene Chloride	U		0.00116	0.00580	1	09/08/2017 23:27	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/08/2017 23:27	WG1018380

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

Analyte	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	09/08/2017 23:27	WG1018380
Naphthalene	U		0.00116	0.00580	1	09/08/2017 23:27	WG1018380
n-Propylbenzene	U		0.000239	0.00116	1	09/08/2017 23:27	WG1018380
Styrene	U		0.000272	0.00116	1	09/08/2017 23:27	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/08/2017 23:27	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/08/2017 23:27	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/08/2017 23:27	WG1018380
Tetrachloroethene	U		0.000320	0.00116	1	09/08/2017 23:27	WG1018380
Toluene	U		0.000504	0.00580	1	09/08/2017 23:27	WG1018380
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/08/2017 23:27	WG1018380
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/08/2017 23:27	WG1018380
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/08/2017 23:27	WG1018380
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/08/2017 23:27	WG1018380
Trichloroethene	U		0.000324	0.00116	1	09/08/2017 23:27	WG1018380
Trichlorofluoromethane	U		0.000443	0.00580	1	09/08/2017 23:27	WG1018380
1,2,3-Trichloropropane	U		0.000860	0.00290	1	09/08/2017 23:27	WG1018380
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/08/2017 23:27	WG1018380
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/08/2017 23:27	WG1018380
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/08/2017 23:27	WG1018380
Vinyl acetate	U		0.00277	0.0116	1	09/08/2017 23:27	WG1018380
Vinyl chloride	0.00462		0.000338	0.00116	1	09/08/2017 23:27	WG1018380
Xylenes, Total	U		0.000810	0.00348	1	09/08/2017 23:27	WG1018380
(S) Toluene-d8	*98.8*			*80.0-120*		*09/08/2017 23:27*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/08/2017 23:27*	WG1018380
(S) 4-Bromofluorobenzene	*91.3*			*64.0-132*		*09/08/2017 23:27*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	09/08/2017 23:48	WG1018380
Acrylonitrile	U		0.00206	0.0115	1	09/08/2017 23:48	WG1018380
Benzene	U		0.000311	0.00115	1	09/08/2017 23:48	WG1018380
Bromobenzene	U		0.000327	0.00115	1	09/08/2017 23:48	WG1018380
Bromodichloromethane	U		0.000292	0.00115	1	09/08/2017 23:48	WG1018380
Bromochloromethane	U		0.000449	0.00576	1	09/08/2017 23:48	WG1018380
Bromoform	U		0.000488	0.00115	1	09/08/2017 23:48	WG1018380
Bromomethane	U		0.00154	0.00576	1	09/08/2017 23:48	WG1018380
n-Butylbenzene	U		0.000297	0.00115	1	09/08/2017 23:48	WG1018380
sec-Butylbenzene	U		0.000231	0.00115	1	09/08/2017 23:48	WG1018380
tert-Butylbenzene	U		0.000237	0.00115	1	09/08/2017 23:48	WG1018380
Carbon disulfide	0.00111 J	J	0.000254	0.00115	1	09/08/2017 23:48	WG1018380
Carbon tetrachloride	U		0.000378	0.00115	1	09/08/2017 23:48	WG1018380
Chlorobenzene	U		0.000244	0.00115	1	09/08/2017 23:48	WG1018380
Chlorodibromomethane	U		0.000430	0.00115	1	09/08/2017 23:48	WG1018380
Chloroethane	U		0.00109	0.00576	1	09/08/2017 23:48	WG1018380
Chloroform	U		0.000264	0.00576	1	09/08/2017 23:48	WG1018380
Chloromethane	U		0.000432	0.00288	1	09/08/2017 23:48	WG1018380
2-Chlorotoluene	U		0.000347	0.00115	1	09/08/2017 23:48	WG1018380
4-Chlorotoluene	U		0.000276	0.00115	1	09/08/2017 23:48	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	09/08/2017 23:48	WG1018380
1,2-Dibromoethane	U		0.000395	0.00115	1	09/08/2017 23:48	WG1018380
Dibromomethane	U		0.000440	0.00115	1	09/08/2017 23:48	WG1018380
1,2-Dichlorobenzene	U		0.000351	0.00115	1	09/08/2017 23:48	WG1018380
1,3-Dichlorobenzene	U		0.000275	0.00115	1	09/08/2017 23:48	WG1018380
1,4-Dichlorobenzene	U		0.000260	0.00115	1	09/08/2017 23:48	WG1018380
Dichlorodifluoromethane	U		0.000821	0.00576	1	09/08/2017 23:48	WG1018380
1,1-Dichloroethane	U		0.000229	0.00115	1	09/08/2017 23:48	WG1018380
1,2-Dichloroethane	U		0.000305	0.00115	1	09/08/2017 23:48	WG1018380
1,1-Dichloroethene	0.00515		0.000349	0.00115	1	09/08/2017 23:48	WG1018380
cis-1,2-Dichloroethene	3.14		0.0136	0.0576	50	09/10/2017 17:21	WG1018380
trans-1,2-Dichloroethene	0.000366 J	J	0.000304	0.00115	1	09/08/2017 23:48	WG1018380
1,2-Dichloropropane	U		0.000412	0.00115	1	09/08/2017 23:48	WG1018380
1,1-Dichloropropene	U		0.000365	0.00115	1	09/08/2017 23:48	WG1018380
1,3-Dichloropropane	U		0.000238	0.00115	1	09/08/2017 23:48	WG1018380
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	09/08/2017 23:48	WG1018380
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	09/08/2017 23:48	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000896	0.00288	1	09/08/2017 23:48	WG1018380
2,2-Dichloropropane	U		0.000321	0.00115	1	09/08/2017 23:48	WG1018380
Di-isopropyl ether	U		0.000286	0.00115	1	09/08/2017 23:48	WG1018380
Ethylbenzene	U		0.000342	0.00115	1	09/08/2017 23:48	WG1018380
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	09/08/2017 23:48	WG1018380
2-Hexanone	U		0.00158	0.0115	1	09/08/2017 23:48	WG1018380
n-Hexane	U		0.000334	0.0115	1	09/08/2017 23:48	WG1018380
Iodomethane	U		0.00291	0.0115	1	09/08/2017 23:48	WG1018380
Isopropylbenzene	U		0.000280	0.00115	1	09/08/2017 23:48	WG1018380
p-Isopropyltoluene	U		0.000235	0.00115	1	09/08/2017 23:48	WG1018380
2-Butanone (MEK)	U		0.00539	0.0115	1	09/08/2017 23:48	WG1018380
Methylene Chloride	U		0.00115	0.00576	1	09/08/2017 23:48	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/08/2017 23:48	WG1018380

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

Analyte	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	09/08/2017 23:48	WG1018380
Naphthalene	U		0.00115	0.00576	1	09/08/2017 23:48	WG1018380
n-Propylbenzene	U		0.000237	0.00115	1	09/08/2017 23:48	WG1018380
Styrene	U		0.000269	0.00115	1	09/08/2017 23:48	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	09/08/2017 23:48	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	09/08/2017 23:48	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	09/08/2017 23:48	WG1018380
Tetrachloroethene	0.0255		0.000318	0.00115	1	09/08/2017 23:48	WG1018380
Toluene	U		0.000500	0.00576	1	09/08/2017 23:48	WG1018380
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	09/08/2017 23:48	WG1018380
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	09/08/2017 23:48	WG1018380
1,1,1-Trichloroethane	U		0.000329	0.00115	1	09/08/2017 23:48	WG1018380
1,1,2-Trichloroethane	U		0.000319	0.00115	1	09/08/2017 23:48	WG1018380
Trichloroethene	0.00178		0.000321	0.00115	1	09/08/2017 23:48	WG1018380
Trichlorofluoromethane	U		0.000440	0.00576	1	09/08/2017 23:48	WG1018380
1,2,3-Trichloropropane	U		0.000853	0.00288	1	09/08/2017 23:48	WG1018380
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	09/08/2017 23:48	WG1018380
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	09/08/2017 23:48	WG1018380
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	09/08/2017 23:48	WG1018380
Vinyl acetate	U		0.00275	0.0115	1	09/08/2017 23:48	WG1018380
Vinyl chloride	0.00259		0.000335	0.00115	1	09/08/2017 23:48	WG1018380
Xylenes, Total	U		0.000804	0.00345	1	09/08/2017 23:48	WG1018380
(S) Toluene-d8	*104*			*80.0-120*		*09/10/2017 17:21*	WG1018380
(S) Toluene-d8	*97.0*			*80.0-120*		*09/08/2017 23:48*	WG1018380
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/08/2017 23:48*	WG1018380
(S) Dibromofluoromethane	*95.6*			*74.0-131*		*09/10/2017 17:21*	WG1018380
(S) 4-Bromofluorobenzene	*93.3*			*64.0-132*		*09/08/2017 23:48*	WG1018380
(S) 4-Bromofluorobenzene	*97.3*			*64.0-132*		*09/10/2017 17:21*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	0.0599	1	09/09/2017 00:08	WG1018380
Acrylonitrile	U		0.00214	0.0120	1	09/09/2017 00:08	WG1018380
Benzene	U		0.000323	0.00120	1	09/09/2017 00:08	WG1018380
Bromobenzene	U		0.000340	0.00120	1	09/09/2017 00:08	WG1018380
Bromodichloromethane	U		0.000304	0.00120	1	09/09/2017 00:08	WG1018380
Bromochloromethane	U		0.000467	0.00599	1	09/09/2017 00:08	WG1018380
Bromoform	U		0.000508	0.00120	1	09/09/2017 00:08	WG1018380
Bromomethane	U		0.00161	0.00599	1	09/09/2017 00:08	WG1018380
n-Butylbenzene	U		0.000309	0.00120	1	09/09/2017 00:08	WG1018380
sec-Butylbenzene	U		0.000241	0.00120	1	09/09/2017 00:08	WG1018380
tert-Butylbenzene	U		0.000247	0.00120	1	09/09/2017 00:08	WG1018380
Carbon disulfide	0.000452	J J	0.000265	0.00120	1	09/09/2017 00:08	WG1018380
Carbon tetrachloride	U		0.000393	0.00120	1	09/09/2017 00:08	WG1018380
Chlorobenzene	U		0.000254	0.00120	1	09/09/2017 00:08	WG1018380
Chlorodibromomethane	U		0.000447	0.00120	1	09/09/2017 00:08	WG1018380
Chloroethane	U		0.00113	0.00599	1	09/09/2017 00:08	WG1018380
Chloroform	U		0.000274	0.00599	1	09/09/2017 00:08	WG1018380
Chloromethane	U		0.000449	0.00299	1	09/09/2017 00:08	WG1018380
2-Chlorotoluene	U		0.000361	0.00120	1	09/09/2017 00:08	WG1018380
4-Chlorotoluene	U		0.000287	0.00120	1	09/09/2017 00:08	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00599	1	09/09/2017 00:08	WG1018380
1,2-Dibromoethane	U		0.000411	0.00120	1	09/09/2017 00:08	WG1018380
Dibromomethane	U		0.000458	0.00120	1	09/09/2017 00:08	WG1018380
1,2-Dichlorobenzene	U		0.000365	0.00120	1	09/09/2017 00:08	WG1018380
1,3-Dichlorobenzene	U		0.000286	0.00120	1	09/09/2017 00:08	WG1018380
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/09/2017 00:08	WG1018380
Dichlorodifluoromethane	U		0.000854	0.00599	1	09/09/2017 00:08	WG1018380
1,1-Dichloroethane	U		0.000238	0.00120	1	09/09/2017 00:08	WG1018380
1,2-Dichloroethane	U		0.000317	0.00120	1	09/09/2017 00:08	WG1018380
1,1-Dichloroethene	U		0.000363	0.00120	1	09/09/2017 00:08	WG1018380
cis-1,2-Dichloroethene	U		0.000281	0.00120	1	09/10/2017 17:04	WG1018380
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	09/09/2017 00:08	WG1018380
1,2-Dichloropropane	U		0.000429	0.00120	1	09/09/2017 00:08	WG1018380
1,1-Dichloropropene	U		0.000380	0.00120	1	09/09/2017 00:08	WG1018380
1,3-Dichloropropane	U		0.000248	0.00120	1	09/09/2017 00:08	WG1018380
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	09/09/2017 00:08	WG1018380
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	09/09/2017 00:08	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000932	0.00299	1	09/09/2017 00:08	WG1018380
2,2-Dichloropropane	U		0.000334	0.00120	1	09/09/2017 00:08	WG1018380
Di-isopropyl ether	U		0.000297	0.00120	1	09/09/2017 00:08	WG1018380
Ethylbenzene	U		0.000356	0.00120	1	09/09/2017 00:08	WG1018380
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	09/09/2017 00:08	WG1018380
2-Hexanone	U		0.00164	0.0120	1	09/09/2017 00:08	WG1018380
n-Hexane	U		0.000347	0.0120	1	09/09/2017 00:08	WG1018380
Iodomethane	U		0.00303	0.0120	1	09/09/2017 00:08	WG1018380
Isopropylbenzene	U		0.000291	0.00120	1	09/09/2017 00:08	WG1018380
p-Isopropyltoluene	U		0.000244	0.00120	1	09/09/2017 00:08	WG1018380
2-Butanone (MEK)	U		0.00561	0.0120	1	09/09/2017 00:08	WG1018380
Methylene Chloride	U		0.00120	0.00599	1	09/09/2017 00:08	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	09/09/2017 00:08	WG1018380

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

Analyte	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	09/09/2017 00:08	WG1018380
Naphthalene	U		0.00120	0.00599	1	09/09/2017 00:08	WG1018380
n-Propylbenzene	U		0.000247	0.00120	1	09/09/2017 00:08	WG1018380
Styrene	U		0.000280	0.00120	1	09/09/2017 00:08	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	09/09/2017 00:08	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	09/09/2017 00:08	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	09/09/2017 00:08	WG1018380
Tetrachloroethene	U		0.000331	0.00120	1	09/09/2017 00:08	WG1018380
Toluene	U		0.000520	0.00599	1	09/09/2017 00:08	WG1018380
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	09/09/2017 00:08	WG1018380
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	09/09/2017 00:08	WG1018380
1,1,1-Trichloroethane	U		0.000343	0.00120	1	09/09/2017 00:08	WG1018380
1,1,2-Trichloroethane	U		0.000332	0.00120	1	09/09/2017 00:08	WG1018380
Trichloroethene	U		0.000334	0.00120	1	09/09/2017 00:08	WG1018380
Trichlorofluoromethane	U		0.000458	0.00599	1	09/09/2017 00:08	WG1018380
1,2,3-Trichloropropane	U		0.000888	0.00299	1	09/09/2017 00:08	WG1018380
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/09/2017 00:08	WG1018380
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	09/09/2017 00:08	WG1018380
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	09/09/2017 00:08	WG1018380
Vinyl acetate	U		0.00286	0.0120	1	09/09/2017 00:08	WG1018380
Vinyl chloride	U		0.000349	0.00120	1	09/09/2017 00:08	WG1018380
Xylenes, Total	U		0.000836	0.00359	1	09/09/2017 00:08	WG1018380
(S) Toluene-d8	*95.6*			*80.0-120*		*09/09/2017 00:08*	WG1018380
(S) Toluene-d8	*92.8*			*80.0-120*		*09/10/2017 17:04*	WG1018380
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/10/2017 17:04*	WG1018380
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/09/2017 00:08*	WG1018380
(S) 4-Bromofluorobenzene	*97.2*			*64.0-132*		*09/10/2017 17:04*	WG1018380
(S) 4-Bromofluorobenzene	*94.8*			*64.0-132*		*09/09/2017 00:08*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	0.0570	1	09/09/2017 00:29	WG1018380
Acrylonitrile	U		0.00204	0.0114	1	09/09/2017 00:29	WG1018380
Benzene	U		0.000308	0.00114	1	09/09/2017 00:29	WG1018380
Bromobenzene	U		0.000324	0.00114	1	09/09/2017 00:29	WG1018380
Bromodichloromethane	U		0.000289	0.00114	1	09/09/2017 00:29	WG1018380
Bromochloromethane	U		0.000444	0.00570	1	09/09/2017 00:29	WG1018380
Bromoform	U		0.000483	0.00114	1	09/09/2017 00:29	WG1018380
Bromomethane	U		0.00153	0.00570	1	09/09/2017 00:29	WG1018380
n-Butylbenzene	U		0.000294	0.00114	1	09/09/2017 00:29	WG1018380
sec-Butylbenzene	U		0.000229	0.00114	1	09/09/2017 00:29	WG1018380
tert-Butylbenzene	U		0.000235	0.00114	1	09/09/2017 00:29	WG1018380
Carbon disulfide	0.000537 J	J	0.000252	0.00114	1	09/09/2017 00:29	WG1018380
Carbon tetrachloride	U		0.000374	0.00114	1	09/09/2017 00:29	WG1018380
Chlorobenzene	U		0.000242	0.00114	1	09/09/2017 00:29	WG1018380
Chlorodibromomethane	U		0.000425	0.00114	1	09/09/2017 00:29	WG1018380
Chloroethane	U		0.00108	0.00570	1	09/09/2017 00:29	WG1018380
Chloroform	U		0.000261	0.00570	1	09/09/2017 00:29	WG1018380
Chloromethane	U		0.000427	0.00285	1	09/09/2017 00:29	WG1018380
2-Chlorotoluene	U		0.000343	0.00114	1	09/09/2017 00:29	WG1018380
4-Chlorotoluene	U		0.000273	0.00114	1	09/09/2017 00:29	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	09/09/2017 00:29	WG1018380
1,2-Dibromoethane	U		0.000391	0.00114	1	09/09/2017 00:29	WG1018380
Dibromomethane	U		0.000435	0.00114	1	09/09/2017 00:29	WG1018380
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/09/2017 00:29	WG1018380
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/09/2017 00:29	WG1018380
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/09/2017 00:29	WG1018380
Dichlorodifluoromethane	U		0.000812	0.00570	1	09/09/2017 00:29	WG1018380
1,1-Dichloroethane	U		0.000227	0.00114	1	09/09/2017 00:29	WG1018380
1,2-Dichloroethane	U		0.000302	0.00114	1	09/09/2017 00:29	WG1018380
1,1-Dichloroethene	U		0.000345	0.00114	1	09/09/2017 00:29	WG1018380
cis-1,2-Dichloroethene	U		0.000268	0.00114	1	09/09/2017 00:29	WG1018380
trans-1,2-Dichloroethene	U		0.000301	0.00114	1	09/09/2017 00:29	WG1018380
1,2-Dichloropropane	U		0.000408	0.00114	1	09/09/2017 00:29	WG1018380
1,1-Dichloropropene	U		0.000361	0.00114	1	09/09/2017 00:29	WG1018380
1,3-Dichloropropane	U		0.000236	0.00114	1	09/09/2017 00:29	WG1018380
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/09/2017 00:29	WG1018380
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/09/2017 00:29	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	09/09/2017 00:29	WG1018380
2,2-Dichloropropane	U		0.000318	0.00114	1	09/09/2017 00:29	WG1018380
Di-isopropyl ether	U		0.000283	0.00114	1	09/09/2017 00:29	WG1018380
Ethylbenzene	U		0.000338	0.00114	1	09/09/2017 00:29	WG1018380
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/09/2017 00:29	WG1018380
2-Hexanone	U		0.00156	0.0114	1	09/09/2017 00:29	WG1018380
n-Hexane	U		0.000330	0.0114	1	09/09/2017 00:29	WG1018380
Iodomethane	U		0.00288	0.0114	1	09/09/2017 00:29	WG1018380
Isopropylbenzene	U		0.000277	0.00114	1	09/09/2017 00:29	WG1018380
p-Isopropyltoluene	U		0.000232	0.00114	1	09/09/2017 00:29	WG1018380
2-Butanone (MEK)	U		0.00533	0.0114	1	09/09/2017 00:29	WG1018380
Methylene Chloride	U		0.00114	0.00570	1	09/09/2017 00:29	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/09/2017 00:29	WG1018380

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

Analyte	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	09/09/2017 00:29	WG1018380
Naphthalene	U		0.00114	0.00570	1	09/09/2017 00:29	WG1018380
n-Propylbenzene	U		0.000235	0.00114	1	09/09/2017 00:29	WG1018380
Styrene	U		0.000267	0.00114	1	09/09/2017 00:29	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/09/2017 00:29	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/09/2017 00:29	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/09/2017 00:29	WG1018380
Tetrachloroethene	U		0.000314	0.00114	1	09/09/2017 00:29	WG1018380
Toluene	U		0.000494	0.00570	1	09/09/2017 00:29	WG1018380
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/09/2017 00:29	WG1018380
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	09/09/2017 00:29	WG1018380
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/09/2017 00:29	WG1018380
1,1,2-Trichloroethane	U		0.000316	0.00114	1	09/09/2017 00:29	WG1018380
Trichloroethene	U		0.000318	0.00114	1	09/09/2017 00:29	WG1018380
Trichlorofluoromethane	U		0.000435	0.00570	1	09/09/2017 00:29	WG1018380
1,2,3-Trichloropropane	U		0.000844	0.00285	1	09/09/2017 00:29	WG1018380
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	09/09/2017 00:29	WG1018380
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/09/2017 00:29	WG1018380
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/09/2017 00:29	WG1018380
Vinyl acetate	U		0.00272	0.0114	1	09/09/2017 00:29	WG1018380
Vinyl chloride	U		0.000332	0.00114	1	09/09/2017 00:29	WG1018380
Xylenes, Total	U		0.000795	0.00342	1	09/09/2017 00:29	WG1018380
(S) Toluene-d8	*98.8*			*80.0-120*		*09/09/2017 00:29*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 00:29*	WG1018380
(S) 4-Bromofluorobenzene	*94.1*			*64.0-132*		*09/09/2017 00:29*	WG1018380

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	712		31.6	100	1	09/11/2017 01:55	WG1018315
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-122*		*09/11/2017 01:55*	WG1018315

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	9.61 J	J	1.05	25.0	1	09/09/2017 15:59	WG1018559
Acrylonitrile	U		0.873	5.00	1	09/09/2017 15:59	WG1018559
Benzene	3.22		0.0896	0.500	1	09/09/2017 15:59	WG1018559
Bromobenzene	U		0.133	0.500	1	09/09/2017 15:59	WG1018559
Bromodichloromethane	U		0.0800	0.500	1	09/09/2017 15:59	WG1018559
Bromochloromethane	U		0.145	0.500	1	09/09/2017 15:59	WG1018559
Bromoform	U		0.186	0.500	1	09/09/2017 15:59	WG1018559
Bromomethane	U		0.157	2.50	1	09/09/2017 15:59	WG1018559
n-Butylbenzene	U		0.143	0.500	1	09/09/2017 15:59	WG1018559
sec-Butylbenzene	U		0.134	0.500	1	09/09/2017 15:59	WG1018559
tert-Butylbenzene	U		0.183	0.500	1	09/09/2017 15:59	WG1018559
Carbon disulfide	0.166 J	J	0.101	0.500	1	09/09/2017 15:59	WG1018559
Carbon tetrachloride	U		0.159	0.500	1	09/09/2017 15:59	WG1018559
Chlorobenzene	U		0.140	0.500	1	09/09/2017 15:59	WG1018559
Chlorodibromomethane	U		0.128	0.500	1	09/09/2017 15:59	WG1018559
Chloroethane	U		0.141	2.50	1	09/09/2017 15:59	WG1018559
Chloroform	U		0.0860	0.500	1	09/09/2017 15:59	WG1018559
Chloromethane	1.93		0.153	1.25	1	09/09/2017 15:59	WG1018559
2-Chlorotoluene	U		0.111	0.500	1	09/09/2017 15:59	WG1018559
4-Chlorotoluene	U		0.0972	0.500	1	09/09/2017 15:59	WG1018559
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/09/2017 15:59	WG1018559
1,2-Dibromoethane	U		0.193	0.500	1	09/09/2017 15:59	WG1018559
Dibromomethane	U		0.117	0.500	1	09/09/2017 15:59	WG1018559
1,2-Dichlorobenzene	U		0.101	0.500	1	09/09/2017 15:59	WG1018559
1,3-Dichlorobenzene	U		0.130	0.500	1	09/09/2017 15:59	WG1018559
1,4-Dichlorobenzene	U		0.121	0.500	1	09/09/2017 15:59	WG1018559
Dichlorodifluoromethane	U		0.127	2.50	1	09/09/2017 15:59	WG1018559
1,1-Dichloroethane	U		0.114	0.500	1	09/09/2017 15:59	WG1018559
1,2-Dichloroethane	U		0.108	0.500	1	09/09/2017 15:59	WG1018559
1,1-Dichloroethene	U		0.188	0.500	1	09/09/2017 15:59	WG1018559
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/09/2017 15:59	WG1018559
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/09/2017 15:59	WG1018559
1,2-Dichloropropane	U		0.190	0.500	1	09/09/2017 15:59	WG1018559
1,1-Dichloropropene	U		0.128	0.500	1	09/09/2017 15:59	WG1018559
1,3-Dichloropropane	U		0.147	1.00	1	09/09/2017 15:59	WG1018559
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/09/2017 15:59	WG1018559
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/09/2017 15:59	WG1018559
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/09/2017 15:59	WG1018559
2,2-Dichloropropane	U		0.0929	0.500	1	09/09/2017 15:59	WG1018559
Di-isopropyl ether	U		0.0924	0.500	1	09/09/2017 15:59	WG1018559
Ethylbenzene	U		0.158	0.500	1	09/09/2017 15:59	WG1018559
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/09/2017 15:59	WG1018559
2-Hexanone	U		0.757	5.00	1	09/09/2017 15:59	WG1018559
n-Hexane	U		0.305	5.00	1	09/09/2017 15:59	WG1018559
Iodomethane	U		0.377	10.0	1	09/09/2017 15:59	WG1018559
Isopropylbenzene	U		0.126	0.500	1	09/09/2017 15:59	WG1018559
p-Isopropyltoluene	U		0.138	0.500	1	09/09/2017 15:59	WG1018559
2-Butanone (MEK)	7.90		1.28	5.00	1	09/09/2017 15:59	WG1018559

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	09/09/2017 15:59	WG1018559
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/09/2017 15:59	WG1018559
Methyl tert-butyl ether	U		0.102	0.500	1	09/09/2017 15:59	WG1018559
Naphthalene	U		0.174	2.50	1	09/09/2017 15:59	WG1018559
n-Propylbenzene	U		0.162	0.500	1	09/09/2017 15:59	WG1018559
Styrene	U		0.117	0.500	1	09/09/2017 15:59	WG1018559
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/09/2017 15:59	WG1018559
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/09/2017 15:59	WG1018559
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/09/2017 15:59	WG1018559
Tetrachloroethene	U		0.199	0.500	1	09/09/2017 15:59	WG1018559
Toluene	436		4.12	5.00	10	09/11/2017 01:41	WG1018559
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/09/2017 15:59	WG1018559
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/09/2017 15:59	WG1018559
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/09/2017 15:59	WG1018559
1,1,2-Trichloroethane	U		0.186	0.500	1	09/09/2017 15:59	WG1018559
Trichloroethene	U		0.153	0.500	1	09/09/2017 15:59	WG1018559
Trichlorofluoromethane	U		0.130	2.50	1	09/09/2017 15:59	WG1018559
1,2,3-Trichloropropane	U		0.247	2.50	1	09/09/2017 15:59	WG1018559
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/09/2017 15:59	WG1018559
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/09/2017 15:59	WG1018559
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/09/2017 15:59	WG1018559
Vinyl acetate	U		0.645	5.00	1	09/09/2017 15:59	WG1018559
Vinyl chloride	0.424 J	J	0.118	0.500	1	09/09/2017 15:59	WG1018559
Xylenes, Total	U		0.316	1.50	1	09/09/2017 15:59	WG1018559
(S) Toluene-d8	*103*			*80.0-120*		*09/11/2017 01:41*	WG1018559
(S) Toluene-d8	*101*			*80.0-120*		*09/09/2017 15:59*	WG1018559
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/09/2017 15:59*	WG1018559
(S) Dibromofluoromethane	*112*			*76.0-123*		*09/11/2017 01:41*	WG1018559
(S) 4-Bromofluorobenzene	*110*			*80.0-120*		*09/09/2017 15:59*	WG1018559
(S) 4-Bromofluorobenzene	*114*			*80.0-120*		*09/11/2017 01:41*	WG1018559

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.0		1	09/13/2017 10:25	WG1019358

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0124	0.0618	1	09/09/2017 00:49	WG1018380
Acrylonitrile	U		0.00221	0.0124	1	09/09/2017 00:49	WG1018380
Benzene	U		0.000334	0.00124	1	09/09/2017 00:49	WG1018380
Bromobenzene	U		0.000351	0.00124	1	09/09/2017 00:49	WG1018380
Bromodichloromethane	U		0.000314	0.00124	1	09/09/2017 00:49	WG1018380
Bromochloromethane	U		0.000482	0.00618	1	09/09/2017 00:49	WG1018380
Bromoform	U		0.000524	0.00124	1	09/09/2017 00:49	WG1018380
Bromomethane	U		0.00166	0.00618	1	09/09/2017 00:49	WG1018380
n-Butylbenzene	U		0.000319	0.00124	1	09/09/2017 00:49	WG1018380
sec-Butylbenzene	U		0.000248	0.00124	1	09/09/2017 00:49	WG1018380
tert-Butylbenzene	U		0.000254	0.00124	1	09/09/2017 00:49	WG1018380
Carbon disulfide	U		0.000273	0.00124	1	09/09/2017 00:49	WG1018380
Carbon tetrachloride	U		0.000405	0.00124	1	09/09/2017 00:49	WG1018380
Chlorobenzene	U		0.000262	0.00124	1	09/09/2017 00:49	WG1018380
Chlorodibromomethane	U		0.000461	0.00124	1	09/09/2017 00:49	WG1018380
Chloroethane	U		0.00117	0.00618	1	09/09/2017 00:49	WG1018380
Chloroform	U		0.000283	0.00618	1	09/09/2017 00:49	WG1018380
Chloromethane	U		0.000463	0.00309	1	09/09/2017 00:49	WG1018380
2-Chlorotoluene	U		0.000372	0.00124	1	09/09/2017 00:49	WG1018380
4-Chlorotoluene	U		0.000296	0.00124	1	09/09/2017 00:49	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00618	1	09/09/2017 00:49	WG1018380
1,2-Dibromoethane	U		0.000424	0.00124	1	09/09/2017 00:49	WG1018380
Dibromomethane	U		0.000472	0.00124	1	09/09/2017 00:49	WG1018380
1,2-Dichlorobenzene	U		0.000377	0.00124	1	09/09/2017 00:49	WG1018380
1,3-Dichlorobenzene	U		0.000295	0.00124	1	09/09/2017 00:49	WG1018380
1,4-Dichlorobenzene	U		0.000279	0.00124	1	09/09/2017 00:49	WG1018380
Dichlorodifluoromethane	U		0.000881	0.00618	1	09/09/2017 00:49	WG1018380
1,1-Dichloroethane	U		0.000246	0.00124	1	09/09/2017 00:49	WG1018380
1,2-Dichloroethane	U		0.000327	0.00124	1	09/09/2017 00:49	WG1018380
1,1-Dichloroethene	U		0.000374	0.00124	1	09/09/2017 00:49	WG1018380
cis-1,2-Dichloroethene	U		0.000290	0.00124	1	09/09/2017 00:49	WG1018380
trans-1,2-Dichloroethene	U		0.000326	0.00124	1	09/09/2017 00:49	WG1018380
1,2-Dichloropropane	U		0.000442	0.00124	1	09/09/2017 00:49	WG1018380
1,1-Dichloropropene	U		0.000392	0.00124	1	09/09/2017 00:49	WG1018380
1,3-Dichloropropane	U		0.000256	0.00124	1	09/09/2017 00:49	WG1018380
cis-1,3-Dichloropropene	U		0.000324	0.00124	1	09/09/2017 00:49	WG1018380
trans-1,3-Dichloropropene	U		0.000330	0.00124	1	09/09/2017 00:49	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000961	0.00309	1	09/09/2017 00:49	WG1018380
2,2-Dichloropropane	U		0.000345	0.00124	1	09/09/2017 00:49	WG1018380
Di-isopropyl ether	U		0.000306	0.00124	1	09/09/2017 00:49	WG1018380
Ethylbenzene	U		0.000367	0.00124	1	09/09/2017 00:49	WG1018380
Hexachloro-1,3-butadiene	U		0.000422	0.00124	1	09/09/2017 00:49	WG1018380
2-Hexanone	U		0.00169	0.0124	1	09/09/2017 00:49	WG1018380
n-Hexane	U		0.000358	0.0124	1	09/09/2017 00:49	WG1018380
Iodomethane	U		0.00313	0.0124	1	09/09/2017 00:49	WG1018380
Isopropylbenzene	U		0.000300	0.00124	1	09/09/2017 00:49	WG1018380
p-Isopropyltoluene	U		0.000252	0.00124	1	09/09/2017 00:49	WG1018380
2-Butanone (MEK)	U		0.00578	0.0124	1	09/09/2017 00:49	WG1018380
Methylene Chloride	U		0.00124	0.00618	1	09/09/2017 00:49	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00232	0.0124	1	09/09/2017 00:49	WG1018380

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

Analyte	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	0.00124	1	09/09/2017 00:49	WG1018380
Naphthalene	U		0.00124	0.00618	1	09/09/2017 00:49	WG1018380
n-Propylbenzene	U		0.000254	0.00124	1	09/09/2017 00:49	WG1018380
Styrene	U		0.000289	0.00124	1	09/09/2017 00:49	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000326	0.00124	1	09/09/2017 00:49	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000451	0.00124	1	09/09/2017 00:49	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000451	0.00124	1	09/09/2017 00:49	WG1018380
Tetrachloroethene	U		0.000341	0.00124	1	09/09/2017 00:49	WG1018380
Toluene	U		0.000536	0.00618	1	09/09/2017 00:49	WG1018380
1,2,3-Trichlorobenzene	U		0.000378	0.00124	1	09/09/2017 00:49	WG1018380
1,2,4-Trichlorobenzene	U		0.000479	0.00124	1	09/09/2017 00:49	WG1018380
1,1,1-Trichloroethane	U		0.000353	0.00124	1	09/09/2017 00:49	WG1018380
1,1,2-Trichloroethane	U		0.000342	0.00124	1	09/09/2017 00:49	WG1018380
Trichloroethene	U		0.000345	0.00124	1	09/09/2017 00:49	WG1018380
Trichlorofluoromethane	U		0.000472	0.00618	1	09/09/2017 00:49	WG1018380
1,2,3-Trichloropropane	U		0.000915	0.00309	1	09/09/2017 00:49	WG1018380
1,2,4-Trimethylbenzene	U		0.000261	0.00124	1	09/09/2017 00:49	WG1018380
1,2,3-Trimethylbenzene	U		0.000355	0.00124	1	09/09/2017 00:49	WG1018380
1,3,5-Trimethylbenzene	U		0.000329	0.00124	1	09/09/2017 00:49	WG1018380
Vinyl acetate	U		0.00295	0.0124	1	09/09/2017 00:49	WG1018380
Vinyl chloride	U		0.000359	0.00124	1	09/09/2017 00:49	WG1018380
Xylenes, Total	U		0.000862	0.00371	1	09/09/2017 00:49	WG1018380
(S) Toluene-d8	*98.9*			*80.0-120*		*09/09/2017 00:49*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 00:49*	WG1018380
(S) 4-Bromofluorobenzene	*92.7*			*64.0-132*		*09/09/2017 00:49*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	09/13/2017 10:25	WG1019358

Volatile Organic Compounds (GC/MS) 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	0.0604	1	09/09/2017 01:10	WG1018380
Acrylonitrile	U		0.00216	0.0121	1	09/09/2017 01:10	WG1018380
Benzene	U		0.000326	0.00121	1	09/09/2017 01:10	WG1018380
Bromobenzene	U		0.000343	0.00121	1	09/09/2017 01:10	WG1018380
Bromodichloromethane	U		0.000307	0.00121	1	09/09/2017 01:10	WG1018380
Bromochloromethane	U		0.000471	0.00604	1	09/09/2017 01:10	WG1018380
Bromoform	U		0.000512	0.00121	1	09/09/2017 01:10	WG1018380
Bromomethane	U		0.00162	0.00604	1	09/09/2017 01:10	WG1018380
n-Butylbenzene	U		0.000312	0.00121	1	09/09/2017 01:10	WG1018380
sec-Butylbenzene	U		0.000243	0.00121	1	09/09/2017 01:10	WG1018380
tert-Butylbenzene	U		0.000249	0.00121	1	09/09/2017 01:10	WG1018380
Carbon disulfide	U		0.000267	0.00121	1	09/09/2017 01:10	WG1018380
Carbon tetrachloride	U		0.000396	0.00121	1	09/09/2017 01:10	WG1018380
Chlorobenzene	U		0.000256	0.00121	1	09/09/2017 01:10	WG1018380
Chlorodibromomethane	U		0.000451	0.00121	1	09/09/2017 01:10	WG1018380
Chloroethane	U		0.00114	0.00604	1	09/09/2017 01:10	WG1018380
Chloroform	U		0.000277	0.00604	1	09/09/2017 01:10	WG1018380
Chloromethane	U		0.000453	0.00302	1	09/09/2017 01:10	WG1018380
2-Chlorotoluene	U		0.000364	0.00121	1	09/09/2017 01:10	WG1018380
4-Chlorotoluene	U		0.000290	0.00121	1	09/09/2017 01:10	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00604	1	09/09/2017 01:10	WG1018380
1,2-Dibromoethane	U		0.000415	0.00121	1	09/09/2017 01:10	WG1018380
Dibromomethane	U		0.000462	0.00121	1	09/09/2017 01:10	WG1018380
1,2-Dichlorobenzene	U		0.000369	0.00121	1	09/09/2017 01:10	WG1018380
1,3-Dichlorobenzene	U		0.000289	0.00121	1	09/09/2017 01:10	WG1018380
1,4-Dichlorobenzene	U		0.000273	0.00121	1	09/09/2017 01:10	WG1018380
Dichlorodifluoromethane	U		0.000862	0.00604	1	09/09/2017 01:10	WG1018380
1,1-Dichloroethane	U		0.000241	0.00121	1	09/09/2017 01:10	WG1018380
1,2-Dichloroethane	U		0.000320	0.00121	1	09/09/2017 01:10	WG1018380
1,1-Dichloroethene	U		0.000366	0.00121	1	09/09/2017 01:10	WG1018380
cis-1,2-Dichloroethene	U		0.000284	0.00121	1	09/09/2017 01:10	WG1018380
trans-1,2-Dichloroethene	U		0.000319	0.00121	1	09/09/2017 01:10	WG1018380
1,2-Dichloropropane	U		0.000433	0.00121	1	09/09/2017 01:10	WG1018380
1,1-Dichloropropene	U		0.000383	0.00121	1	09/09/2017 01:10	WG1018380
1,3-Dichloropropane	U		0.000250	0.00121	1	09/09/2017 01:10	WG1018380
cis-1,3-Dichloropropene	U		0.000317	0.00121	1	09/09/2017 01:10	WG1018380
trans-1,3-Dichloropropene	U		0.000323	0.00121	1	09/09/2017 01:10	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000940	0.00302	1	09/09/2017 01:10	WG1018380
2,2-Dichloropropane	U		0.000337	0.00121	1	09/09/2017 01:10	WG1018380
Di-isopropyl ether	U		0.000300	0.00121	1	09/09/2017 01:10	WG1018380
Ethylbenzene	U		0.000359	0.00121	1	09/09/2017 01:10	WG1018380
Hexachloro-1,3-butadiene	U		0.000413	0.00121	1	09/09/2017 01:10	WG1018380
2-Hexanone	U		0.00166	0.0121	1	09/09/2017 01:10	WG1018380
n-Hexane	U		0.000351	0.0121	1	09/09/2017 01:10	WG1018380
Iodomethane	U		0.00306	0.0121	1	09/09/2017 01:10	WG1018380
Isopropylbenzene	U		0.000294	0.00121	1	09/09/2017 01:10	WG1018380
p-Isopropyltoluene	U		0.000247	0.00121	1	09/09/2017 01:10	WG1018380
2-Butanone (MEK)	U		0.00566	0.0121	1	09/09/2017 01:10	WG1018380
Methylene Chloride	U		0.00121	0.00604	1	09/09/2017 01:10	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	09/09/2017 01:10	WG1018380

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

Analyte	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	09/09/2017 01:10	WG1018380
Naphthalene	U		0.00121	0.00604	1	09/09/2017 01:10	WG1018380
n-Propylbenzene	U		0.000249	0.00121	1	09/09/2017 01:10	WG1018380
Styrene	U		0.000283	0.00121	1	09/09/2017 01:10	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000319	0.00121	1	09/09/2017 01:10	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000441	0.00121	1	09/09/2017 01:10	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000441	0.00121	1	09/09/2017 01:10	WG1018380
Tetrachloroethene	0.00111 J	J	0.000334	0.00121	1	09/09/2017 01:10	WG1018380
Toluene	U		0.000525	0.00604	1	09/09/2017 01:10	WG1018380
1,2,3-Trichlorobenzene	U		0.000370	0.00121	1	09/09/2017 01:10	WG1018380
1,2,4-Trichlorobenzene	U		0.000469	0.00121	1	09/09/2017 01:10	WG1018380
1,1,1-Trichloroethane	U		0.000346	0.00121	1	09/09/2017 01:10	WG1018380
1,1,2-Trichloroethane	U		0.000335	0.00121	1	09/09/2017 01:10	WG1018380
Trichloroethene	U		0.000337	0.00121	1	09/09/2017 01:10	WG1018380
Trichlorofluoromethane	U		0.000462	0.00604	1	09/09/2017 01:10	WG1018380
1,2,3-Trichloropropane	U		0.000896	0.00302	1	09/09/2017 01:10	WG1018380
1,2,4-Trimethylbenzene	U		0.000255	0.00121	1	09/09/2017 01:10	WG1018380
1,2,3-Trimethylbenzene	U		0.000347	0.00121	1	09/09/2017 01:10	WG1018380
1,3,5-Trimethylbenzene	U		0.000322	0.00121	1	09/09/2017 01:10	WG1018380
Vinyl acetate	U		0.00289	0.0121	1	09/09/2017 01:10	WG1018380
Vinyl chloride	U		0.000352	0.00121	1	09/09/2017 01:10	WG1018380
Xylenes, Total	U		0.000844	0.00363	1	09/09/2017 01:10	WG1018380
(S) Toluene-d8	*97.0*			*80.0-120*		*09/09/2017 01:10*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 01:10*	WG1018380
(S) 4-Bromofluorobenzene	*92.2*			*64.0-132*		*09/09/2017 01:10*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.1		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	09/09/2017 01:30	WG1018380
Acrylonitrile	U		0.00206	0.0115	1	09/09/2017 01:30	WG1018380
Benzene	U		0.000310	0.00115	1	09/09/2017 01:30	WG1018380
Bromobenzene	U		0.000326	0.00115	1	09/09/2017 01:30	WG1018380
Bromodichloromethane	U		0.000292	0.00115	1	09/09/2017 01:30	WG1018380
Bromochloromethane	U		0.000448	0.00574	1	09/09/2017 01:30	WG1018380
Bromoform	U		0.000487	0.00115	1	09/09/2017 01:30	WG1018380
Bromomethane	U		0.00154	0.00574	1	09/09/2017 01:30	WG1018380
n-Butylbenzene	U		0.000296	0.00115	1	09/09/2017 01:30	WG1018380
sec-Butylbenzene	U		0.000231	0.00115	1	09/09/2017 01:30	WG1018380
tert-Butylbenzene	U		0.000237	0.00115	1	09/09/2017 01:30	WG1018380
Carbon disulfide	U		0.000254	0.00115	1	09/09/2017 01:30	WG1018380
Carbon tetrachloride	U		0.000377	0.00115	1	09/09/2017 01:30	WG1018380
Chlorobenzene	U		0.000243	0.00115	1	09/09/2017 01:30	WG1018380
Chlorodibromomethane	U		0.000428	0.00115	1	09/09/2017 01:30	WG1018380
Chloroethane	U		0.00109	0.00574	1	09/09/2017 01:30	WG1018380
Chloroform	U		0.000263	0.00574	1	09/09/2017 01:30	WG1018380
Chloromethane	U		0.000431	0.00287	1	09/09/2017 01:30	WG1018380
2-Chlorotoluene	U		0.000346	0.00115	1	09/09/2017 01:30	WG1018380
4-Chlorotoluene	U		0.000276	0.00115	1	09/09/2017 01:30	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	09/09/2017 01:30	WG1018380
1,2-Dibromoethane	U		0.000394	0.00115	1	09/09/2017 01:30	WG1018380
Dibromomethane	U		0.000439	0.00115	1	09/09/2017 01:30	WG1018380
1,2-Dichlorobenzene	U		0.000350	0.00115	1	09/09/2017 01:30	WG1018380
1,3-Dichlorobenzene	U		0.000274	0.00115	1	09/09/2017 01:30	WG1018380
1,4-Dichlorobenzene	U		0.000259	0.00115	1	09/09/2017 01:30	WG1018380
Dichlorodifluoromethane	U		0.000819	0.00574	1	09/09/2017 01:30	WG1018380
1,1-Dichloroethane	U		0.000228	0.00115	1	09/09/2017 01:30	WG1018380
1,2-Dichloroethane	U		0.000304	0.00115	1	09/09/2017 01:30	WG1018380
1,1-Dichloroethene	U		0.000348	0.00115	1	09/09/2017 01:30	WG1018380
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	09/09/2017 01:30	WG1018380
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	09/09/2017 01:30	WG1018380
1,2-Dichloropropane	U		0.000411	0.00115	1	09/09/2017 01:30	WG1018380
1,1-Dichloropropene	U		0.000364	0.00115	1	09/09/2017 01:30	WG1018380
1,3-Dichloropropane	U		0.000238	0.00115	1	09/09/2017 01:30	WG1018380
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	09/09/2017 01:30	WG1018380
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	09/09/2017 01:30	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000893	0.00287	1	09/09/2017 01:30	WG1018380
2,2-Dichloropropane	U		0.000320	0.00115	1	09/09/2017 01:30	WG1018380
Di-isopropyl ether	U		0.000285	0.00115	1	09/09/2017 01:30	WG1018380
Ethylbenzene	U		0.000341	0.00115	1	09/09/2017 01:30	WG1018380
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	09/09/2017 01:30	WG1018380
2-Hexanone	U		0.00157	0.0115	1	09/09/2017 01:30	WG1018380
n-Hexane	U		0.000333	0.0115	1	09/09/2017 01:30	WG1018380
Iodomethane	U		0.00290	0.0115	1	09/09/2017 01:30	WG1018380
Isopropylbenzene	U		0.000279	0.00115	1	09/09/2017 01:30	WG1018380
p-Isopropyltoluene	U		0.000234	0.00115	1	09/09/2017 01:30	WG1018380
2-Butanone (MEK)	U		0.00537	0.0115	1	09/09/2017 01:30	WG1018380
Methylene Chloride	U		0.00115	0.00574	1	09/09/2017 01:30	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/09/2017 01:30	WG1018380

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

Analyte	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	09/09/2017 01:30	WG1018380
Naphthalene	U		0.00115	0.00574	1	09/09/2017 01:30	WG1018380
n-Propylbenzene	U		0.000237	0.00115	1	09/09/2017 01:30	WG1018380
Styrene	U		0.000269	0.00115	1	09/09/2017 01:30	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	09/09/2017 01:30	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	09/09/2017 01:30	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	09/09/2017 01:30	WG1018380
Tetrachloroethene	U		0.000317	0.00115	1	09/09/2017 01:30	WG1018380
Toluene	U		0.000498	0.00574	1	09/09/2017 01:30	WG1018380
1,2,3-Trichlorobenzene	U		0.000351	0.00115	1	09/09/2017 01:30	WG1018380
1,2,4-Trichlorobenzene	U		0.000445	0.00115	1	09/09/2017 01:30	WG1018380
1,1,1-Trichloroethane	U		0.000328	0.00115	1	09/09/2017 01:30	WG1018380
1,1,2-Trichloroethane	U		0.000318	0.00115	1	09/09/2017 01:30	WG1018380
Trichloroethene	U		0.000320	0.00115	1	09/09/2017 01:30	WG1018380
Trichlorofluoromethane	U		0.000439	0.00574	1	09/09/2017 01:30	WG1018380
1,2,3-Trichloropropane	U		0.000851	0.00287	1	09/09/2017 01:30	WG1018380
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	09/09/2017 01:30	WG1018380
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	09/09/2017 01:30	WG1018380
1,3,5-Trimethylbenzene	U		0.000305	0.00115	1	09/09/2017 01:30	WG1018380
Vinyl acetate	U		0.00274	0.0115	1	09/09/2017 01:30	WG1018380
Vinyl chloride	U		0.000334	0.00115	1	09/09/2017 01:30	WG1018380
Xylenes, Total	U		0.000801	0.00344	1	09/09/2017 01:30	WG1018380
(S) Toluene-d8	*97.6*			*80.0-120*		*09/09/2017 01:30*	WG1018380
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/09/2017 01:30*	WG1018380
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*09/09/2017 01:30*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.0		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	09/09/2017 01:51	WG1018380
Acrylonitrile	U		0.00206	0.0115	1	09/09/2017 01:51	WG1018380
Benzene	U		0.000310	0.00115	1	09/09/2017 01:51	WG1018380
Bromobenzene	U		0.000326	0.00115	1	09/09/2017 01:51	WG1018380
Bromodichloromethane	U		0.000292	0.00115	1	09/09/2017 01:51	WG1018380
Bromochloromethane	U		0.000448	0.00574	1	09/09/2017 01:51	WG1018380
Bromoform	U		0.000487	0.00115	1	09/09/2017 01:51	WG1018380
Bromomethane	U		0.00154	0.00574	1	09/09/2017 01:51	WG1018380
n-Butylbenzene	U		0.000296	0.00115	1	09/09/2017 01:51	WG1018380
sec-Butylbenzene	U		0.000231	0.00115	1	09/09/2017 01:51	WG1018380
tert-Butylbenzene	U		0.000237	0.00115	1	09/09/2017 01:51	WG1018380
Carbon disulfide	U		0.000254	0.00115	1	09/09/2017 01:51	WG1018380
Carbon tetrachloride	U		0.000377	0.00115	1	09/09/2017 01:51	WG1018380
Chlorobenzene	U		0.000244	0.00115	1	09/09/2017 01:51	WG1018380
Chlorodibromomethane	U		0.000429	0.00115	1	09/09/2017 01:51	WG1018380
Chloroethane	U		0.00109	0.00574	1	09/09/2017 01:51	WG1018380
Chloroform	U		0.000263	0.00574	1	09/09/2017 01:51	WG1018380
Chloromethane	U		0.000431	0.00287	1	09/09/2017 01:51	WG1018380
2-Chlorotoluene	U		0.000346	0.00115	1	09/09/2017 01:51	WG1018380
4-Chlorotoluene	U		0.000276	0.00115	1	09/09/2017 01:51	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00574	1	09/09/2017 01:51	WG1018380
1,2-Dibromoethane	U		0.000394	0.00115	1	09/09/2017 01:51	WG1018380
Dibromomethane	U		0.000439	0.00115	1	09/09/2017 01:51	WG1018380
1,2-Dichlorobenzene	U		0.000350	0.00115	1	09/09/2017 01:51	WG1018380
1,3-Dichlorobenzene	U		0.000275	0.00115	1	09/09/2017 01:51	WG1018380
1,4-Dichlorobenzene	U		0.000260	0.00115	1	09/09/2017 01:51	WG1018380
Dichlorodifluoromethane	U		0.000819	0.00574	1	09/09/2017 01:51	WG1018380
1,1-Dichloroethane	U		0.000229	0.00115	1	09/09/2017 01:51	WG1018380
1,2-Dichloroethane	U		0.000304	0.00115	1	09/09/2017 01:51	WG1018380
1,1-Dichloroethene	U		0.000348	0.00115	1	09/09/2017 01:51	WG1018380
cis-1,2-Dichloroethene	U		0.000270	0.00115	1	09/09/2017 01:51	WG1018380
trans-1,2-Dichloroethene	U		0.000303	0.00115	1	09/09/2017 01:51	WG1018380
1,2-Dichloropropane	U		0.000411	0.00115	1	09/09/2017 01:51	WG1018380
1,1-Dichloropropene	U		0.000364	0.00115	1	09/09/2017 01:51	WG1018380
1,3-Dichloropropane	U		0.000238	0.00115	1	09/09/2017 01:51	WG1018380
cis-1,3-Dichloropropene	U		0.000301	0.00115	1	09/09/2017 01:51	WG1018380
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	09/09/2017 01:51	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000894	0.00287	1	09/09/2017 01:51	WG1018380
2,2-Dichloropropane	U		0.000321	0.00115	1	09/09/2017 01:51	WG1018380
Di-isopropyl ether	U		0.000285	0.00115	1	09/09/2017 01:51	WG1018380
Ethylbenzene	U		0.000341	0.00115	1	09/09/2017 01:51	WG1018380
Hexachloro-1,3-butadiene	U		0.000393	0.00115	1	09/09/2017 01:51	WG1018380
2-Hexanone	U		0.00157	0.0115	1	09/09/2017 01:51	WG1018380
n-Hexane	U		0.000333	0.0115	1	09/09/2017 01:51	WG1018380
Iodomethane	U		0.00291	0.0115	1	09/09/2017 01:51	WG1018380
Isopropylbenzene	U		0.000279	0.00115	1	09/09/2017 01:51	WG1018380
p-Isopropyltoluene	U		0.000234	0.00115	1	09/09/2017 01:51	WG1018380
2-Butanone (MEK)	U		0.00538	0.0115	1	09/09/2017 01:51	WG1018380
Methylene Chloride	U		0.00115	0.00574	1	09/09/2017 01:51	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/09/2017 01:51	WG1018380

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

Analyte	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	09/09/2017 01:51	WG1018380
Naphthalene	U		0.00115	0.00574	1	09/09/2017 01:51	WG1018380
n-Propylbenzene	U		0.000237	0.00115	1	09/09/2017 01:51	WG1018380
Styrene	U		0.000269	0.00115	1	09/09/2017 01:51	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000303	0.00115	1	09/09/2017 01:51	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000419	0.00115	1	09/09/2017 01:51	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000419	0.00115	1	09/09/2017 01:51	WG1018380
Tetrachloroethene	U		0.000317	0.00115	1	09/09/2017 01:51	WG1018380
Toluene	U		0.000499	0.00574	1	09/09/2017 01:51	WG1018380
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	09/09/2017 01:51	WG1018380
1,2,4-Trichlorobenzene	U		0.000446	0.00115	1	09/09/2017 01:51	WG1018380
1,1,1-Trichloroethane	U		0.000329	0.00115	1	09/09/2017 01:51	WG1018380
1,1,2-Trichloroethane	U		0.000318	0.00115	1	09/09/2017 01:51	WG1018380
Trichloroethene	U		0.000321	0.00115	1	09/09/2017 01:51	WG1018380
Trichlorofluoromethane	U		0.000439	0.00574	1	09/09/2017 01:51	WG1018380
1,2,3-Trichloropropane	U		0.000851	0.00287	1	09/09/2017 01:51	WG1018380
1,2,4-Trimethylbenzene	U		0.000242	0.00115	1	09/09/2017 01:51	WG1018380
1,2,3-Trimethylbenzene	U		0.000330	0.00115	1	09/09/2017 01:51	WG1018380
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	09/09/2017 01:51	WG1018380
Vinyl acetate	U		0.00275	0.0115	1	09/09/2017 01:51	WG1018380
Vinyl chloride	U		0.000334	0.00115	1	09/09/2017 01:51	WG1018380
Xylenes, Total	U		0.000802	0.00345	1	09/09/2017 01:51	WG1018380
(S) Toluene-d8	*98.8*			*80.0-120*		*09/09/2017 01:51*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 01:51*	WG1018380
(S) 4-Bromofluorobenzene	*90.7*			*64.0-132*		*09/09/2017 01:51*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	0.0613	1	09/09/2017 02:11	WG1018380
Acrylonitrile	U		0.00219	0.0123	1	09/09/2017 02:11	WG1018380
Benzene	U		0.000331	0.00123	1	09/09/2017 02:11	WG1018380
Bromobenzene	U		0.000348	0.00123	1	09/09/2017 02:11	WG1018380
Bromodichloromethane	U		0.000311	0.00123	1	09/09/2017 02:11	WG1018380
Bromochloromethane	U		0.000478	0.00613	1	09/09/2017 02:11	WG1018380
Bromoform	U		0.000520	0.00123	1	09/09/2017 02:11	WG1018380
Bromomethane	U		0.00164	0.00613	1	09/09/2017 02:11	WG1018380
n-Butylbenzene	U		0.000316	0.00123	1	09/09/2017 02:11	WG1018380
sec-Butylbenzene	U		0.000246	0.00123	1	09/09/2017 02:11	WG1018380
tert-Butylbenzene	U		0.000253	0.00123	1	09/09/2017 02:11	WG1018380
Carbon disulfide	U		0.000271	0.00123	1	09/09/2017 02:11	WG1018380
Carbon tetrachloride	U		0.000402	0.00123	1	09/09/2017 02:11	WG1018380
Chlorobenzene	U		0.000260	0.00123	1	09/09/2017 02:11	WG1018380
Chlorodibromomethane	U		0.000457	0.00123	1	09/09/2017 02:11	WG1018380
Chloroethane	U		0.00116	0.00613	1	09/09/2017 02:11	WG1018380
Chloroform	U		0.000281	0.00613	1	09/09/2017 02:11	WG1018380
Chloromethane	U		0.000460	0.00307	1	09/09/2017 02:11	WG1018380
2-Chlorotoluene	U		0.000369	0.00123	1	09/09/2017 02:11	WG1018380
4-Chlorotoluene	U		0.000294	0.00123	1	09/09/2017 02:11	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00129	0.00613	1	09/09/2017 02:11	WG1018380
1,2-Dibromoethane	U		0.000421	0.00123	1	09/09/2017 02:11	WG1018380
Dibromomethane	U		0.000468	0.00123	1	09/09/2017 02:11	WG1018380
1,2-Dichlorobenzene	U		0.000374	0.00123	1	09/09/2017 02:11	WG1018380
1,3-Dichlorobenzene	U		0.000293	0.00123	1	09/09/2017 02:11	WG1018380
1,4-Dichlorobenzene	U		0.000277	0.00123	1	09/09/2017 02:11	WG1018380
Dichlorodifluoromethane	U		0.000874	0.00613	1	09/09/2017 02:11	WG1018380
1,1-Dichloroethane	U		0.000244	0.00123	1	09/09/2017 02:11	WG1018380
1,2-Dichloroethane	U		0.000325	0.00123	1	09/09/2017 02:11	WG1018380
1,1-Dichloroethene	U		0.000372	0.00123	1	09/09/2017 02:11	WG1018380
cis-1,2-Dichloroethene	U		0.000288	0.00123	1	09/09/2017 02:11	WG1018380
trans-1,2-Dichloroethene	U		0.000324	0.00123	1	09/09/2017 02:11	WG1018380
1,2-Dichloropropane	U		0.000439	0.00123	1	09/09/2017 02:11	WG1018380
1,1-Dichloropropene	U		0.000389	0.00123	1	09/09/2017 02:11	WG1018380
1,3-Dichloropropane	U		0.000254	0.00123	1	09/09/2017 02:11	WG1018380
cis-1,3-Dichloropropene	U		0.000321	0.00123	1	09/09/2017 02:11	WG1018380
trans-1,3-Dichloropropene	U		0.000327	0.00123	1	09/09/2017 02:11	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000954	0.00307	1	09/09/2017 02:11	WG1018380
2,2-Dichloropropane	U		0.000342	0.00123	1	09/09/2017 02:11	WG1018380
Di-isopropyl ether	U		0.000304	0.00123	1	09/09/2017 02:11	WG1018380
Ethylbenzene	U		0.000364	0.00123	1	09/09/2017 02:11	WG1018380
Hexachloro-1,3-butadiene	U		0.000419	0.00123	1	09/09/2017 02:11	WG1018380
2-Hexanone	U		0.00168	0.0123	1	09/09/2017 02:11	WG1018380
n-Hexane	U		0.000356	0.0123	1	09/09/2017 02:11	WG1018380
Iodomethane	U		0.00310	0.0123	1	09/09/2017 02:11	WG1018380
Isopropylbenzene	U		0.000298	0.00123	1	09/09/2017 02:11	WG1018380
p-Isopropyltoluene	U		0.000250	0.00123	1	09/09/2017 02:11	WG1018380
2-Butanone (MEK)	U		0.00574	0.0123	1	09/09/2017 02:11	WG1018380
Methylene Chloride	U		0.00123	0.00613	1	09/09/2017 02:11	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00231	0.0123	1	09/09/2017 02:11	WG1018380

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000260	0.00123	1	09/09/2017 02:11	WG1018380
Naphthalene	U		0.00123	0.00613	1	09/09/2017 02:11	WG1018380
n-Propylbenzene	U		0.000253	0.00123	1	09/09/2017 02:11	WG1018380
Styrene	U		0.000287	0.00123	1	09/09/2017 02:11	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000324	0.00123	1	09/09/2017 02:11	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000448	0.00123	1	09/09/2017 02:11	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000448	0.00123	1	09/09/2017 02:11	WG1018380
Tetrachloroethene	U		0.000338	0.00123	1	09/09/2017 02:11	WG1018380
Toluene	U		0.000532	0.00613	1	09/09/2017 02:11	WG1018380
1,2,3-Trichlorobenzene	U		0.000375	0.00123	1	09/09/2017 02:11	WG1018380
1,2,4-Trichlorobenzene	U		0.000476	0.00123	1	09/09/2017 02:11	WG1018380
1,1,1-Trichloroethane	U		0.000351	0.00123	1	09/09/2017 02:11	WG1018380
1,1,2-Trichloroethane	U		0.000340	0.00123	1	09/09/2017 02:11	WG1018380
Trichloroethene	U		0.000342	0.00123	1	09/09/2017 02:11	WG1018380
Trichlorofluoromethane	U		0.000468	0.00613	1	09/09/2017 02:11	WG1018380
1,2,3-Trichloropropane	U		0.000909	0.00307	1	09/09/2017 02:11	WG1018380
1,2,4-Trimethylbenzene	U		0.000259	0.00123	1	09/09/2017 02:11	WG1018380
1,2,3-Trimethylbenzene	U		0.000352	0.00123	1	09/09/2017 02:11	WG1018380
1,3,5-Trimethylbenzene	U		0.000326	0.00123	1	09/09/2017 02:11	WG1018380
Vinyl acetate	U		0.00293	0.0123	1	09/09/2017 02:11	WG1018380
Vinyl chloride	U		0.000357	0.00123	1	09/09/2017 02:11	WG1018380
Xylenes, Total	U		0.000856	0.00368	1	09/09/2017 02:11	WG1018380
(S) Toluene-d8	*99.3*			*80.0-120*		*09/09/2017 02:11*	WG1018380
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/09/2017 02:11*	WG1018380
(S) 4-Bromofluorobenzene	*93.6*			*64.0-132*		*09/09/2017 02:11*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.6		1	09/13/2017 09:49	WG1019359

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.23	6.13	100	09/09/2017 02:32	WG1018380
Acrylonitrile	U		0.219	1.23	100	09/09/2017 02:32	WG1018380
Benzene	U		0.0331	0.123	100	09/09/2017 02:32	WG1018380
Bromobenzene	U		0.0348	0.123	100	09/09/2017 02:32	WG1018380
Bromodichloromethane	U		0.0311	0.123	100	09/09/2017 02:32	WG1018380
Bromochloromethane	U		0.0478	0.613	100	09/09/2017 02:32	WG1018380
Bromoform	U		0.0520	0.123	100	09/09/2017 02:32	WG1018380
Bromomethane	U		0.164	0.613	100	09/09/2017 02:32	WG1018380
n-Butylbenzene	U		0.0316	0.123	100	09/09/2017 02:32	WG1018380
sec-Butylbenzene	U		0.0246	0.123	100	09/09/2017 02:32	WG1018380
tert-Butylbenzene	U		0.0252	0.123	100	09/09/2017 02:32	WG1018380
Carbon disulfide	U		0.0271	0.123	100	09/09/2017 02:32	WG1018380
Carbon tetrachloride	U		0.0402	0.123	100	09/09/2017 02:32	WG1018380
Chlorobenzene	U		0.0260	0.123	100	09/09/2017 02:32	WG1018380
Chlorodibromomethane	U		0.0457	0.123	100	09/09/2017 02:32	WG1018380
Chloroethane	U		0.116	0.613	100	09/09/2017 02:32	WG1018380
Chloroform	U		0.0281	0.613	100	09/09/2017 02:32	WG1018380
Chloromethane	U		0.0460	0.306	100	09/09/2017 02:32	WG1018380
2-Chlorotoluene	U		0.0369	0.123	100	09/09/2017 02:32	WG1018380
4-Chlorotoluene	U		0.0294	0.123	100	09/09/2017 02:32	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.129	0.613	100	09/09/2017 02:32	WG1018380
1,2-Dibromoethane	U		0.0420	0.123	100	09/09/2017 02:32	WG1018380
Dibromomethane	U		0.0468	0.123	100	09/09/2017 02:32	WG1018380
1,2-Dichlorobenzene	U		0.0374	0.123	100	09/09/2017 02:32	WG1018380
1,3-Dichlorobenzene	U		0.0293	0.123	100	09/09/2017 02:32	WG1018380
1,4-Dichlorobenzene	U		0.0277	0.123	100	09/09/2017 02:32	WG1018380
Dichlorodifluoromethane	U		0.0874	0.613	100	09/09/2017 02:32	WG1018380
1,1-Dichloroethane	U		0.0244	0.123	100	09/09/2017 02:32	WG1018380
1,2-Dichloroethane	U		0.0325	0.123	100	09/09/2017 02:32	WG1018380
1,1-Dichloroethene	U		0.0371	0.123	100	09/09/2017 02:32	WG1018380
cis-1,2-Dichloroethene	U		0.0288	0.123	100	09/09/2017 02:32	WG1018380
trans-1,2-Dichloroethene	U		0.0324	0.123	100	09/09/2017 02:32	WG1018380
1,2-Dichloropropane	U		0.0439	0.123	100	09/09/2017 02:32	WG1018380
1,1-Dichloropropene	U		0.0389	0.123	100	09/09/2017 02:32	WG1018380
1,3-Dichloropropane	U		0.0254	0.123	100	09/09/2017 02:32	WG1018380
cis-1,3-Dichloropropene	U		0.0321	0.123	100	09/09/2017 02:32	WG1018380
trans-1,3-Dichloropropene	U		0.0327	0.123	100	09/09/2017 02:32	WG1018380
trans-1,4-Dichloro-2-butene	U		0.0954	0.306	100	09/09/2017 02:32	WG1018380
2,2-Dichloropropane	U		0.0342	0.123	100	09/09/2017 02:32	WG1018380
Di-isopropyl ether	U		0.0304	0.123	100	09/09/2017 02:32	WG1018380
Ethylbenzene	U		0.0364	0.123	100	09/09/2017 02:32	WG1018380
Hexachloro-1,3-butadiene	U		0.0419	0.123	100	09/09/2017 02:32	WG1018380
2-Hexanone	U		0.168	1.23	100	09/09/2017 02:32	WG1018380
n-Hexane	U		0.0355	1.23	100	09/09/2017 02:32	WG1018380
Iodomethane	U		0.310	1.23	100	09/09/2017 02:32	WG1018380
Isopropylbenzene	U		0.0298	0.123	100	09/09/2017 02:32	WG1018380
p-Isopropyltoluene	U		0.0250	0.123	100	09/09/2017 02:32	WG1018380
2-Butanone (MEK)	U		0.574	1.23	100	09/09/2017 02:32	WG1018380
Methylene Chloride	U		0.123	0.613	100	09/09/2017 02:32	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.230	1.23	100	09/09/2017 02:32	WG1018380

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0260	0.123	100	09/09/2017 02:32	WG1018380
Naphthalene	U		0.123	0.613	100	09/09/2017 02:32	WG1018380
n-Propylbenzene	U		0.0252	0.123	100	09/09/2017 02:32	WG1018380
Styrene	U		0.0287	0.123	100	09/09/2017 02:32	WG1018380
1,1,1,2-Tetrachloroethane	U		0.0324	0.123	100	09/09/2017 02:32	WG1018380
1,1,2,2-Tetrachloroethane	U		0.0447	0.123	100	09/09/2017 02:32	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.0447	0.123	100	09/09/2017 02:32	WG1018380
Tetrachloroethene	5.18		0.0338	0.123	100	09/09/2017 02:32	WG1018380
Toluene	U		0.0532	0.613	100	09/09/2017 02:32	WG1018380
1,2,3-Trichlorobenzene	U		0.0375	0.123	100	09/09/2017 02:32	WG1018380
1,2,4-Trichlorobenzene	U		0.0476	0.123	100	09/09/2017 02:32	WG1018380
1,1,1-Trichloroethane	U		0.0351	0.123	100	09/09/2017 02:32	WG1018380
1,1,2-Trichloroethane	U		0.0339	0.123	100	09/09/2017 02:32	WG1018380
Trichloroethene	0.704		0.0342	0.123	100	09/09/2017 02:32	WG1018380
Trichlorofluoromethane	U		0.0468	0.613	100	09/09/2017 02:32	WG1018380
1,2,3-Trichloropropane	U		0.0908	0.306	100	09/09/2017 02:32	WG1018380
1,2,4-Trimethylbenzene	U		0.0259	0.123	100	09/09/2017 02:32	WG1018380
1,2,3-Trimethylbenzene	U		0.0352	0.123	100	09/09/2017 02:32	WG1018380
1,3,5-Trimethylbenzene	U		0.0326	0.123	100	09/09/2017 02:32	WG1018380
Vinyl acetate	U		0.293	1.23	100	09/09/2017 02:32	WG1018380
Vinyl chloride	U		0.0357	0.123	100	09/09/2017 02:32	WG1018380
Xylenes, Total	U		0.0855	0.368	100	09/09/2017 02:32	WG1018380
(S) Toluene-d8	*101*			*80.0-120*		*09/09/2017 02:32*	WG1018380
(S) Dibromofluoromethane	*98.3*			*74.0-131*		*09/09/2017 02:32*	WG1018380
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*		*09/09/2017 02:32*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	0.0577	1	09/09/2017 02:52	WG1018380
Acrylonitrile	U		0.00207	0.0115	1	09/09/2017 02:52	WG1018380
Benzene	U		0.000312	0.00115	1	09/09/2017 02:52	WG1018380
Bromobenzene	U		0.000328	0.00115	1	09/09/2017 02:52	WG1018380
Bromodichloromethane	U		0.000293	0.00115	1	09/09/2017 02:52	WG1018380
Bromochloromethane	U		0.000450	0.00577	1	09/09/2017 02:52	WG1018380
Bromoform	U		0.000490	0.00115	1	09/09/2017 02:52	WG1018380
Bromomethane	U		0.00155	0.00577	1	09/09/2017 02:52	WG1018380
n-Butylbenzene	U		0.000298	0.00115	1	09/09/2017 02:52	WG1018380
sec-Butylbenzene	U		0.000232	0.00115	1	09/09/2017 02:52	WG1018380
tert-Butylbenzene	U		0.000238	0.00115	1	09/09/2017 02:52	WG1018380
Carbon disulfide	U		0.000255	0.00115	1	09/09/2017 02:52	WG1018380
Carbon tetrachloride	U		0.000379	0.00115	1	09/09/2017 02:52	WG1018380
Chlorobenzene	U		0.000245	0.00115	1	09/09/2017 02:52	WG1018380
Chlorodibromomethane	U		0.000431	0.00115	1	09/09/2017 02:52	WG1018380
Chloroethane	U		0.00109	0.00577	1	09/09/2017 02:52	WG1018380
Chloroform	U		0.000264	0.00577	1	09/09/2017 02:52	WG1018380
Chloromethane	U		0.000433	0.00289	1	09/09/2017 02:52	WG1018380
2-Chlorotoluene	U		0.000348	0.00115	1	09/09/2017 02:52	WG1018380
4-Chlorotoluene	U		0.000277	0.00115	1	09/09/2017 02:52	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	09/09/2017 02:52	WG1018380
1,2-Dibromoethane	U		0.000396	0.00115	1	09/09/2017 02:52	WG1018380
Dibromomethane	U		0.000441	0.00115	1	09/09/2017 02:52	WG1018380
1,2-Dichlorobenzene	U		0.000352	0.00115	1	09/09/2017 02:52	WG1018380
1,3-Dichlorobenzene	U		0.000276	0.00115	1	09/09/2017 02:52	WG1018380
1,4-Dichlorobenzene	U		0.000261	0.00115	1	09/09/2017 02:52	WG1018380
Dichlorodifluoromethane	U		0.000823	0.00577	1	09/09/2017 02:52	WG1018380
1,1-Dichloroethane	U		0.000230	0.00115	1	09/09/2017 02:52	WG1018380
1,2-Dichloroethane	U		0.000306	0.00115	1	09/09/2017 02:52	WG1018380
1,1-Dichloroethene	U		0.000350	0.00115	1	09/09/2017 02:52	WG1018380
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	09/09/2017 02:52	WG1018380
trans-1,2-Dichloroethene	U		0.000305	0.00115	1	09/09/2017 02:52	WG1018380
1,2-Dichloropropane	U		0.000413	0.00115	1	09/09/2017 02:52	WG1018380
1,1-Dichloropropene	U		0.000366	0.00115	1	09/09/2017 02:52	WG1018380
1,3-Dichloropropane	U		0.000239	0.00115	1	09/09/2017 02:52	WG1018380
cis-1,3-Dichloropropene	U		0.000303	0.00115	1	09/09/2017 02:52	WG1018380
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	09/09/2017 02:52	WG1018380
trans-1,4-Dichloro-2-butene	U		0.000898	0.00289	1	09/09/2017 02:52	WG1018380
2,2-Dichloropropane	U		0.000322	0.00115	1	09/09/2017 02:52	WG1018380
Di-isopropyl ether	U		0.000286	0.00115	1	09/09/2017 02:52	WG1018380
Ethylbenzene	U		0.000343	0.00115	1	09/09/2017 02:52	WG1018380
Hexachloro-1,3-butadiene	U		0.000395	0.00115	1	09/09/2017 02:52	WG1018380
2-Hexanone	U		0.00158	0.0115	1	09/09/2017 02:52	WG1018380
n-Hexane	U		0.000335	0.0115	1	09/09/2017 02:52	WG1018380
Iodomethane	U		0.00292	0.0115	1	09/09/2017 02:52	WG1018380
Isopropylbenzene	U		0.000281	0.00115	1	09/09/2017 02:52	WG1018380
p-Isopropyltoluene	U		0.000236	0.00115	1	09/09/2017 02:52	WG1018380
2-Butanone (MEK)	U		0.00540	0.0115	1	09/09/2017 02:52	WG1018380
Methylene Chloride	U		0.00115	0.00577	1	09/09/2017 02:52	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	09/09/2017 02:52	WG1018380

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

Analyte	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	09/09/2017 02:52	WG1018380
Naphthalene	U		0.00115	0.00577	1	09/09/2017 02:52	WG1018380
n-Propylbenzene	U		0.000238	0.00115	1	09/09/2017 02:52	WG1018380
Styrene	U		0.000270	0.00115	1	09/09/2017 02:52	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	09/09/2017 02:52	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	09/09/2017 02:52	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	09/09/2017 02:52	WG1018380
Tetrachloroethene	U		0.000319	0.00115	1	09/09/2017 02:52	WG1018380
Toluene	U		0.000501	0.00577	1	09/09/2017 02:52	WG1018380
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	09/09/2017 02:52	WG1018380
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	09/09/2017 02:52	WG1018380
1,1,1-Trichloroethane	U		0.000330	0.00115	1	09/09/2017 02:52	WG1018380
1,1,2-Trichloroethane	U		0.000320	0.00115	1	09/09/2017 02:52	WG1018380
Trichloroethene	U		0.000322	0.00115	1	09/09/2017 02:52	WG1018380
Trichlorofluoromethane	U		0.000441	0.00577	1	09/09/2017 02:52	WG1018380
1,2,3-Trichloropropane	U		0.000856	0.00289	1	09/09/2017 02:52	WG1018380
1,2,4-Trimethylbenzene	U		0.000244	0.00115	1	09/09/2017 02:52	WG1018380
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	09/09/2017 02:52	WG1018380
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	09/09/2017 02:52	WG1018380
Vinyl acetate	U		0.00276	0.0115	1	09/09/2017 02:52	WG1018380
Vinyl chloride	U		0.000336	0.00115	1	09/09/2017 02:52	WG1018380
Xylenes, Total	U		0.000806	0.00346	1	09/09/2017 02:52	WG1018380
(S) Toluene-d8	*98.1*			*80.0-120*		*09/09/2017 02:52*	WG1018380
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/09/2017 02:52*	WG1018380
(S) 4-Bromofluorobenzene	*91.5*			*64.0-132*		*09/09/2017 02:52*	WG1018380

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	09/13/2017 09:49	WG1019359

Volatile Organic Compounds (GC/MS) 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	0.0740	1.36	09/09/2017 03:13	WG1018380
Acrylonitrile	U		0.00265	0.0148	1.36	09/09/2017 03:13	WG1018380
Benzene	U		0.000400	0.00148	1.36	09/09/2017 03:13	WG1018380
Bromobenzene	U		0.000420	0.00148	1.36	09/09/2017 03:13	WG1018380
Bromodichloromethane	U		0.000376	0.00148	1.36	09/09/2017 03:13	WG1018380
Bromochloromethane	U		0.000577	0.00740	1.36	09/09/2017 03:13	WG1018380
Bromoform	U		0.000628	0.00148	1.36	09/09/2017 03:13	WG1018380
Bromomethane	U		0.00198	0.00740	1.36	09/09/2017 03:13	WG1018380
n-Butylbenzene	U		0.000382	0.00148	1.36	09/09/2017 03:13	WG1018380
sec-Butylbenzene	U		0.000297	0.00148	1.36	09/09/2017 03:13	WG1018380
tert-Butylbenzene	U		0.000305	0.00148	1.36	09/09/2017 03:13	WG1018380
Carbon disulfide	0.000628 J	J	0.000327	0.00148	1.36	09/09/2017 03:13	WG1018380
Carbon tetrachloride	U		0.000485	0.00148	1.36	09/09/2017 03:13	WG1018380
Chlorobenzene	U		0.000314	0.00148	1.36	09/09/2017 03:13	WG1018380
Chlorodibromomethane	U		0.000552	0.00148	1.36	09/09/2017 03:13	WG1018380
Chloroethane	U		0.00140	0.00740	1.36	09/09/2017 03:13	WG1018380
Chloroform	U		0.000339	0.00740	1.36	09/09/2017 03:13	WG1018380
Chloromethane	U		0.000555	0.00370	1.36	09/09/2017 03:13	WG1018380
2-Chlorotoluene	U		0.000445	0.00148	1.36	09/09/2017 03:13	WG1018380
4-Chlorotoluene	U		0.000355	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2-Dibromo-3-Chloropropane	U		0.00156	0.00740	1.36	09/09/2017 03:13	WG1018380
1,2-Dibromoethane	U		0.000507	0.00148	1.36	09/09/2017 03:13	WG1018380
Dibromomethane	U		0.000566	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2-Dichlorobenzene	U		0.000452	0.00148	1.36	09/09/2017 03:13	WG1018380
1,3-Dichlorobenzene	U		0.000354	0.00148	1.36	09/09/2017 03:13	WG1018380
1,4-Dichlorobenzene	U		0.000334	0.00148	1.36	09/09/2017 03:13	WG1018380
Dichlorodifluoromethane	U		0.00106	0.00740	1.36	09/09/2017 03:13	WG1018380
1,1-Dichloroethane	U		0.000295	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2-Dichloroethane	U		0.000392	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1-Dichloroethene	U		0.000448	0.00148	1.36	09/09/2017 03:13	WG1018380
cis-1,2-Dichloroethene	U		0.000348	0.00148	1.36	09/09/2017 03:13	WG1018380
trans-1,2-Dichloroethene	U		0.000391	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2-Dichloropropane	U		0.000530	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1-Dichloropropene	U		0.000469	0.00148	1.36	09/09/2017 03:13	WG1018380
1,3-Dichloropropane	U		0.000307	0.00148	1.36	09/09/2017 03:13	WG1018380
cis-1,3-Dichloropropene	U		0.000388	0.00148	1.36	09/09/2017 03:13	WG1018380
trans-1,3-Dichloropropene	U		0.000395	0.00148	1.36	09/09/2017 03:13	WG1018380
trans-1,4-Dichloro-2-butene	U		0.00115	0.00370	1.36	09/09/2017 03:13	WG1018380
2,2-Dichloropropane	U		0.000413	0.00148	1.36	09/09/2017 03:13	WG1018380
Di-isopropyl ether	U		0.000367	0.00148	1.36	09/09/2017 03:13	WG1018380
Ethylbenzene	U		0.000440	0.00148	1.36	09/09/2017 03:13	WG1018380
Hexachloro-1,3-butadiene	U		0.000506	0.00148	1.36	09/09/2017 03:13	WG1018380
2-Hexanone	U		0.00202	0.0148	1.36	09/09/2017 03:13	WG1018380
n-Hexane	U		0.000429	0.0148	1.36	09/09/2017 03:13	WG1018380
Iodomethane	U		0.00374	0.0148	1.36	09/09/2017 03:13	WG1018380
Isopropylbenzene	U		0.000359	0.00148	1.36	09/09/2017 03:13	WG1018380
p-Isopropyltoluene	U		0.000302	0.00148	1.36	09/09/2017 03:13	WG1018380
2-Butanone (MEK)	U		0.00692	0.0148	1.36	09/09/2017 03:13	WG1018380
Methylene Chloride	U		0.00148	0.00740	1.36	09/09/2017 03:13	WG1018380
4-Methyl-2-pentanone (MIBK)	U		0.00279	0.0148	1.36	09/09/2017 03:13	WG1018380

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000314	0.00148	1.36	09/09/2017 03:13	WG1018380
Naphthalene	U		0.00148	0.00740	1.36	09/09/2017 03:13	WG1018380
n-Propylbenzene	U		0.000305	0.00148	1.36	09/09/2017 03:13	WG1018380
Styrene	U		0.000346	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,1,2-Tetrachloroethane	U		0.000391	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,2,2-Tetrachloroethane	U		0.000540	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,2-Trichlorotrifluoroethane	U		0.000540	0.00148	1.36	09/09/2017 03:13	WG1018380
Tetrachloroethene	U		0.000408	0.00148	1.36	09/09/2017 03:13	WG1018380
Toluene	U		0.000642	0.00740	1.36	09/09/2017 03:13	WG1018380
1,2,3-Trichlorobenzene	U		0.000453	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2,4-Trichlorobenzene	U		0.000575	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,1-Trichloroethane	U		0.000423	0.00148	1.36	09/09/2017 03:13	WG1018380
1,1,2-Trichloroethane	U		0.000410	0.00148	1.36	09/09/2017 03:13	WG1018380
Trichloroethene	U		0.000413	0.00148	1.36	09/09/2017 03:13	WG1018380
Trichlorofluoromethane	U		0.000566	0.00740	1.36	09/09/2017 03:13	WG1018380
1,2,3-Trichloropropane	U		0.00110	0.00370	1.36	09/09/2017 03:13	WG1018380
1,2,4-Trimethylbenzene	U		0.000312	0.00148	1.36	09/09/2017 03:13	WG1018380
1,2,3-Trimethylbenzene	U		0.000425	0.00148	1.36	09/09/2017 03:13	WG1018380
1,3,5-Trimethylbenzene	U		0.000394	0.00148	1.36	09/09/2017 03:13	WG1018380
Vinyl acetate	U		0.00354	0.0148	1.36	09/09/2017 03:13	WG1018380
Vinyl chloride	U		0.000431	0.00148	1.36	09/09/2017 03:13	WG1018380
Xylenes, Total	U		0.00103	0.00444	1.36	09/09/2017 03:13	WG1018380
(S) Toluene-d8	*97.0*			*80.0-120*		*09/09/2017 03:13*	WG1018380
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*09/09/2017 03:13*	WG1018380
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*		*09/09/2017 03:13*	WG1018380

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/09/2017 13:30	WG1018559
Acrylonitrile	U		0.873	5.00	1	09/09/2017 13:30	WG1018559
Benzene	U		0.0896	0.500	1	09/09/2017 13:30	WG1018559
Bromobenzene	U		0.133	0.500	1	09/09/2017 13:30	WG1018559
Bromodichloromethane	U		0.0800	0.500	1	09/09/2017 13:30	WG1018559
Bromochloromethane	U		0.145	0.500	1	09/09/2017 13:30	WG1018559
Bromoform	U		0.186	0.500	1	09/09/2017 13:30	WG1018559
Bromomethane	U		0.157	2.50	1	09/09/2017 13:30	WG1018559
n-Butylbenzene	U		0.143	0.500	1	09/09/2017 13:30	WG1018559
sec-Butylbenzene	U		0.134	0.500	1	09/09/2017 13:30	WG1018559
tert-Butylbenzene	U		0.183	0.500	1	09/09/2017 13:30	WG1018559
Carbon disulfide	U		0.101	0.500	1	09/09/2017 13:30	WG1018559
Carbon tetrachloride	U		0.159	0.500	1	09/09/2017 13:30	WG1018559
Chlorobenzene	U		0.140	0.500	1	09/09/2017 13:30	WG1018559
Chlorodibromomethane	U		0.128	0.500	1	09/09/2017 13:30	WG1018559
Chloroethane	U		0.141	2.50	1	09/09/2017 13:30	WG1018559
Chloroform	U		0.0860	0.500	1	09/09/2017 13:30	WG1018559
Chloromethane	U		0.153	1.25	1	09/09/2017 13:30	WG1018559
2-Chlorotoluene	U		0.111	0.500	1	09/09/2017 13:30	WG1018559
4-Chlorotoluene	U		0.0972	0.500	1	09/09/2017 13:30	WG1018559
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/09/2017 13:30	WG1018559
1,2-Dibromoethane	U		0.193	0.500	1	09/09/2017 13:30	WG1018559
Dibromomethane	U		0.117	0.500	1	09/09/2017 13:30	WG1018559
1,2-Dichlorobenzene	U		0.101	0.500	1	09/09/2017 13:30	WG1018559
1,3-Dichlorobenzene	U		0.130	0.500	1	09/09/2017 13:30	WG1018559
1,4-Dichlorobenzene	U		0.121	0.500	1	09/09/2017 13:30	WG1018559
Dichlorodifluoromethane	U		0.127	2.50	1	09/09/2017 13:30	WG1018559
1,1-Dichloroethane	U		0.114	0.500	1	09/09/2017 13:30	WG1018559
1,2-Dichloroethane	U		0.108	0.500	1	09/09/2017 13:30	WG1018559
1,1-Dichloroethene	U		0.188	0.500	1	09/09/2017 13:30	WG1018559
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/09/2017 13:30	WG1018559
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/09/2017 13:30	WG1018559
1,2-Dichloropropane	U		0.190	0.500	1	09/09/2017 13:30	WG1018559
1,1-Dichloropropene	U		0.128	0.500	1	09/09/2017 13:30	WG1018559
1,3-Dichloropropane	U		0.147	1.00	1	09/09/2017 13:30	WG1018559
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/09/2017 13:30	WG1018559
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/09/2017 13:30	WG1018559
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/09/2017 13:30	WG1018559
2,2-Dichloropropane	U		0.0929	0.500	1	09/09/2017 13:30	WG1018559
Di-isopropyl ether	U		0.0924	0.500	1	09/09/2017 13:30	WG1018559
Ethylbenzene	U		0.158	0.500	1	09/09/2017 13:30	WG1018559
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/09/2017 13:30	WG1018559
2-Hexanone	U		0.757	5.00	1	09/09/2017 13:30	WG1018559
n-Hexane	U		0.305	5.00	1	09/09/2017 13:30	WG1018559
Iodomethane	U		0.377	10.0	1	09/09/2017 13:30	WG1018559
Isopropylbenzene	U		0.126	0.500	1	09/09/2017 13:30	WG1018559
p-Isopropyltoluene	U		0.138	0.500	1	09/09/2017 13:30	WG1018559
2-Butanone (MEK)	U		1.28	5.00	1	09/09/2017 13:30	WG1018559
Methylene Chloride	U		1.07	2.50	1	09/09/2017 13:30	WG1018559
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/09/2017 13:30	WG1018559
Methyl tert-butyl ether	U		0.102	0.500	1	09/09/2017 13:30	WG1018559
Naphthalene	U		0.174	2.50	1	09/09/2017 13:30	WG1018559
n-Propylbenzene	U		0.162	0.500	1	09/09/2017 13:30	WG1018559
Styrene	U		0.117	0.500	1	09/09/2017 13:30	WG1018559
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/09/2017 13:30	WG1018559
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/09/2017 13:30	WG1018559

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/09/2017 13:30	WG1018559
Tetrachloroethene	U		0.199	0.500	1	09/09/2017 13:30	WG1018559
Toluene	U		0.412	0.500	1	09/09/2017 13:30	WG1018559
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/09/2017 13:30	WG1018559
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/09/2017 13:30	WG1018559
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/09/2017 13:30	WG1018559
1,1,2-Trichloroethane	U		0.186	0.500	1	09/09/2017 13:30	WG1018559
Trichloroethene	U		0.153	0.500	1	09/09/2017 13:30	WG1018559
Trichlorofluoromethane	U		0.130	2.50	1	09/09/2017 13:30	WG1018559
1,2,3-Trichloropropane	U		0.247	2.50	1	09/09/2017 13:30	WG1018559
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/09/2017 13:30	WG1018559
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/09/2017 13:30	WG1018559
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/09/2017 13:30	WG1018559
Vinyl acetate	U		0.645	5.00	1	09/09/2017 13:30	WG1018559
Vinyl chloride	U		0.118	0.500	1	09/09/2017 13:30	WG1018559
Xylenes, Total	U		0.316	1.50	1	09/09/2017 13:30	WG1018559
(S) Toluene-d8	*99.6*			*80.0-120*		*09/09/2017 13:30*	WG1018559
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/09/2017 13:30*	WG1018559
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*09/09/2017 13:30*	WG1018559

ANALYTICAL REPORT

September 12, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L934916
Samples Received:	09/02/2017
Project Number:	1413.001.02.002
Description:	American Linen Supply
Site:	1413.001.02.002
Report To:	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-137-107-W L934916-01 GW

Collected by	Collected date/time	Received date/time
Shannon McKernan	09/01/17 11:30	09/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1019041	1	09/11/17 21:47	09/11/17 21:47	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018559	1	09/09/17 16:21	09/09/17 16:21	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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) 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	09/11/2017 21:47	WG1019041
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-122*		*09/11/2017 21:47*	WG1019041

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	1.74	J	1.05	25.0	1	09/09/2017 16:21	WG1018559
Acrylonitrile	U		0.873	5.00	1	09/09/2017 16:21	WG1018559
Benzene	U		0.0896	0.500	1	09/09/2017 16:21	WG1018559
Bromobenzene	U		0.133	0.500	1	09/09/2017 16:21	WG1018559
Bromodichloromethane	U		0.0800	0.500	1	09/09/2017 16:21	WG1018559
Bromochloromethane	U		0.145	0.500	1	09/09/2017 16:21	WG1018559
Bromoform	U		0.186	0.500	1	09/09/2017 16:21	WG1018559
Bromomethane	U		0.157	2.50	1	09/09/2017 16:21	WG1018559
n-Butylbenzene	U		0.143	0.500	1	09/09/2017 16:21	WG1018559
sec-Butylbenzene	U		0.134	0.500	1	09/09/2017 16:21	WG1018559
tert-Butylbenzene	U		0.183	0.500	1	09/09/2017 16:21	WG1018559
Carbon disulfide	U		0.101	0.500	1	09/09/2017 16:21	WG1018559
Carbon tetrachloride	U		0.159	0.500	1	09/09/2017 16:21	WG1018559
Chlorobenzene	U		0.140	0.500	1	09/09/2017 16:21	WG1018559
Chlorodibromomethane	U		0.128	0.500	1	09/09/2017 16:21	WG1018559
Chloroethane	U		0.141	2.50	1	09/09/2017 16:21	WG1018559
Chloroform	U		0.0860	0.500	1	09/09/2017 16:21	WG1018559
Chloromethane	U		0.153	1.25	1	09/09/2017 16:21	WG1018559
2-Chlorotoluene	U		0.111	0.500	1	09/09/2017 16:21	WG1018559
4-Chlorotoluene	U		0.0972	0.500	1	09/09/2017 16:21	WG1018559
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/09/2017 16:21	WG1018559
1,2-Dibromoethane	U		0.193	0.500	1	09/09/2017 16:21	WG1018559
Dibromomethane	U		0.117	0.500	1	09/09/2017 16:21	WG1018559
1,2-Dichlorobenzene	U		0.101	0.500	1	09/09/2017 16:21	WG1018559
1,3-Dichlorobenzene	U		0.130	0.500	1	09/09/2017 16:21	WG1018559
1,4-Dichlorobenzene	U		0.121	0.500	1	09/09/2017 16:21	WG1018559
Dichlorodifluoromethane	U		0.127	2.50	1	09/09/2017 16:21	WG1018559
1,1-Dichloroethane	U		0.114	0.500	1	09/09/2017 16:21	WG1018559
1,2-Dichloroethane	U		0.108	0.500	1	09/09/2017 16:21	WG1018559
1,1-Dichloroethene	U		0.188	0.500	1	09/09/2017 16:21	WG1018559
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/09/2017 16:21	WG1018559
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/09/2017 16:21	WG1018559
1,2-Dichloropropane	U		0.190	0.500	1	09/09/2017 16:21	WG1018559
1,1-Dichloropropene	U		0.128	0.500	1	09/09/2017 16:21	WG1018559
1,3-Dichloropropane	U		0.147	1.00	1	09/09/2017 16:21	WG1018559
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/09/2017 16:21	WG1018559
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/09/2017 16:21	WG1018559
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/09/2017 16:21	WG1018559
2,2-Dichloropropane	U		0.0929	0.500	1	09/09/2017 16:21	WG1018559
Di-isopropyl ether	U		0.0924	0.500	1	09/09/2017 16:21	WG1018559
Ethylbenzene	U		0.158	0.500	1	09/09/2017 16:21	WG1018559
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/09/2017 16:21	WG1018559
2-Hexanone	U		0.757	5.00	1	09/09/2017 16:21	WG1018559
n-Hexane	U		0.305	5.00	1	09/09/2017 16:21	WG1018559
Iodomethane	U		0.377	10.0	1	09/09/2017 16:21	WG1018559
Isopropylbenzene	U		0.126	0.500	1	09/09/2017 16:21	WG1018559
p-Isopropyltoluene	U		0.138	0.500	1	09/09/2017 16:21	WG1018559
2-Butanone (MEK)	1.58	J	1.28	5.00	1	09/09/2017 16:21	WG1018559

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	09/09/2017 16:21	WG1018559
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/09/2017 16:21	WG1018559
Methyl tert-butyl ether	U		0.102	0.500	1	09/09/2017 16:21	WG1018559
Naphthalene	U		0.174	2.50	1	09/09/2017 16:21	WG1018559
n-Propylbenzene	U		0.162	0.500	1	09/09/2017 16:21	WG1018559
Styrene	U		0.117	0.500	1	09/09/2017 16:21	WG1018559
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/09/2017 16:21	WG1018559
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/09/2017 16:21	WG1018559
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/09/2017 16:21	WG1018559
Tetrachloroethene	U		0.199	0.500	1	09/09/2017 16:21	WG1018559
Toluene	41.1		0.412	0.500	1	09/09/2017 16:21	WG1018559
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/09/2017 16:21	WG1018559
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/09/2017 16:21	WG1018559
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/09/2017 16:21	WG1018559
1,1,2-Trichloroethane	U		0.186	0.500	1	09/09/2017 16:21	WG1018559
Trichloroethene	U		0.153	0.500	1	09/09/2017 16:21	WG1018559
Trichlorofluoromethane	U		0.130	2.50	1	09/09/2017 16:21	WG1018559
1,2,3-Trichloropropane	U		0.247	2.50	1	09/09/2017 16:21	WG1018559
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/09/2017 16:21	WG1018559
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/09/2017 16:21	WG1018559
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/09/2017 16:21	WG1018559
Vinyl acetate	U		0.645	5.00	1	09/09/2017 16:21	WG1018559
Vinyl chloride	U		0.118	0.500	1	09/09/2017 16:21	WG1018559
Xylenes, Total	U		0.316	1.50	1	09/09/2017 16:21	WG1018559
(S) Toluene-d8	*98.7*			*80.0-120*		*09/09/2017 16:21*	WG1018559
(S) Dibromofluoromethane	*103*			*76.0-123*		*09/09/2017 16:21*	WG1018559
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*09/09/2017 16:21*	WG1018559

Method Blank (MB)

(MB) R3248641-3 09/11/17 20:41

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)	*98.6*			*77.0-122*

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

(LCS) R3248641-1 09/11/17 19:34 • (LCSD) R3248641-2 09/11/17 19:56

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	5150	5630	93.7	102	72.0-134			8.80	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*106*	*77.0-122*				

L934883-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L934883-01 09/12/17 10:34 • (MS) R3248641-4 09/12/17 10:56 • (MSD) R3248641-5 09/12/17 11:19

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	4160	4210	75.7	76.6	1	23.0-159			1.28	20
(S) a,a,a-Trifluorotoluene(FID)					*99.8*	*98.7*		*77.0-122*				

Method Blank (MB)

(MB) R3248093-3 09/09/17 11:50

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) R3248093-3 09/09/17 11:50

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	*99.6*			*80.0-120*
(S) Dibromofluoromethane	*102*			*76.0-123*
(S) 4-Bromofluorobenzene	*107*			*80.0-120*

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

(LCS) R3248093-1 09/09/17 10:45 • (LCSD) R3248093-2 09/09/17 11:06

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	139	138	111	110	10.0-160			0.380	23
Acrylonitrile	125	148	146	119	116	60.0-142			1.79	20
Benzene	25.0	25.0	25.3	99.8	101	69.0-123			1.35	20
Bromobenzene	25.0	26.1	26.6	105	106	79.0-120			1.62	20
Bromodichloromethane	25.0	26.6	27.3	106	109	76.0-120			2.41	20
Bromochloromethane	25.0	24.8	25.7	99.4	103	76.0-122			3.23	20
Bromoform	25.0	28.0	27.5	112	110	67.0-132			2.06	20
Bromomethane	25.0	22.4	21.9	89.8	87.7	18.0-160			2.28	20
n-Butylbenzene	25.0	23.4	24.2	93.5	97.0	72.0-126			3.60	20
sec-Butylbenzene	25.0	25.4	26.0	102	104	74.0-121			2.32	20
tert-Butylbenzene	25.0	24.5	25.0	98.0	99.9	75.0-122			1.91	20
Carbon disulfide	25.0	23.6	24.1	94.5	96.4	55.0-127			1.99	20
Carbon tetrachloride	25.0	23.7	25.2	94.9	101	63.0-122			5.84	20
Chlorobenzene	25.0	23.3	23.3	93.4	93.4	79.0-121			0.0100	20
Chlorodibromomethane	25.0	25.2	25.0	101	100	75.0-125			0.610	20
Chloroethane	25.0	21.4	21.6	85.4	86.3	47.0-152			1.07	20
Chloroform	25.0	25.5	25.9	102	104	72.0-121			1.39	20
Chloromethane	25.0	22.1	23.1	88.5	92.5	48.0-139			4.42	20
2-Chlorotoluene	25.0	25.2	25.8	101	103	74.0-122			2.12	20
4-Chlorotoluene	25.0	25.6	26.0	102	104	79.0-120			1.50	20
1,2-Dibromo-3-Chloropropane	25.0	25.4	24.5	102	98.0	64.0-127			3.64	20
1,2-Dibromoethane	25.0	24.9	25.1	99.7	100	77.0-123			0.690	20
Dibromomethane	25.0	26.3	26.3	105	105	78.0-120			0.0300	20
1,2-Dichlorobenzene	25.0	24.3	24.7	97.3	98.7	80.0-120			1.43	20
1,3-Dichlorobenzene	25.0	24.5	25.0	98.1	100	72.0-123			2.06	20
1,4-Dichlorobenzene	25.0	23.7	23.9	94.7	95.6	77.0-120			0.940	20
Dichlorodifluoromethane	25.0	22.8	24.0	91.0	95.9	49.0-155			5.19	20
1,1-Dichloroethane	25.0	26.3	26.7	105	107	70.0-126			1.66	20
1,2-Dichloroethane	25.0	27.8	27.8	111	111	67.0-126			0.310	20
1,1-Dichloroethene	25.0	24.1	24.5	96.5	98.2	64.0-129			1.70	20
cis-1,2-Dichloroethene	25.0	24.7	25.0	98.7	100	73.0-120			1.49	20
trans-1,2-Dichloroethene	25.0	24.2	24.8	96.9	99.0	71.0-121			2.16	20
1,2-Dichloropropane	25.0	27.5	27.9	110	112	75.0-125			1.45	20
1,1-Dichloropropene	25.0	24.9	25.3	99.6	101	71.0-129			1.57	20
1,3-Dichloropropane	25.0	25.1	25.1	100	101	80.0-121			0.140	20
cis-1,3-Dichloropropene	25.0	26.7	27.0	107	108	79.0-123			1.02	20
trans-1,3-Dichloropropene	25.0	26.4	26.4	106	105	74.0-127			0.170	20
trans-1,4-Dichloro-2-butene	25.0	22.5	22.0	90.0	87.9	55.0-134			2.31	20
2,2-Dichloropropane	25.0	23.2	23.3	92.6	93.2	60.0-125			0.650	20
Di-isopropyl ether	25.0	27.1	27.6	108	110	59.0-133			1.81	20

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

(LCS) R3248093-1 09/09/17 10:45 • (LCSD) R3248093-2 09/09/17 11:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	22.1	22.7	88.5	90.6	77.0-120			2.39	20
Hexachloro-1,3-butadiene	25.0	20.4	22.3	81.7	89.3	64.0-131			8.87	20
2-Hexanone	125	139	137	112	109	58.0-147			1.89	20
n-Hexane	25.0	21.9	22.9	87.7	91.4	56.0-124			4.19	20
Iodomethane	125	119	122	95.3	97.3	57.0-140			2.01	20
Isopropylbenzene	25.0	25.1	25.5	100	102	75.0-120			1.49	20
p-Isopropyltoluene	25.0	25.4	26.0	102	104	74.0-126			2.53	20
2-Butanone (MEK)	125	138	136	110	109	37.0-158			0.950	20
Methylene Chloride	25.0	24.7	25.0	99.0	100	66.0-121			1.00	20
4-Methyl-2-pentanone (MIBK)	125	141	138	113	111	59.0-143			1.62	20
Methyl tert-butyl ether	25.0	25.9	26.2	104	105	64.0-123			1.35	20
Naphthalene	25.0	24.4	25.1	97.7	100	62.0-128			2.64	20
n-Propylbenzene	25.0	25.6	26.0	102	104	79.0-120			1.67	20
Styrene	25.0	27.7	28.1	111	112	78.0-124			1.43	20
1,1,1,2-Tetrachloroethane	25.0	23.9	23.9	95.5	95.7	75.0-122			0.220	20
1,1,2,2-Tetrachloroethane	25.0	28.1	27.8	112	111	71.0-122			1.04	20
1,1,2-Trichlorotrifluoroethane	25.0	23.2	23.9	92.9	95.6	61.0-136			2.85	20
Tetrachloroethene	25.0	22.2	22.5	88.8	89.9	70.0-127			1.19	20
Toluene	25.0	22.7	23.0	90.9	91.9	77.0-120			1.08	20
1,2,3-Trichlorobenzene	25.0	21.8	22.8	87.4	91.3	61.0-133			4.43	20
1,2,4-Trichlorobenzene	25.0	21.5	22.3	85.8	89.2	69.0-129			3.78	20
1,1,1-Trichloroethane	25.0	25.5	25.9	102	103	68.0-122			1.44	20
1,1,2-Trichloroethane	25.0	24.2	24.3	96.8	97.0	78.0-120			0.240	20
Trichloroethene	25.0	24.5	24.6	97.9	98.4	78.0-120			0.490	20
Trichlorofluoromethane	25.0	22.2	22.8	88.7	91.0	56.0-137			2.55	20
1,2,3-Trichloropropane	25.0	28.3	28.0	113	112	72.0-124			1.05	20
1,2,4-Trimethylbenzene	25.0	25.6	25.9	102	104	75.0-120			1.23	20
1,2,3-Trimethylbenzene	25.0	23.2	23.6	92.7	94.3	75.0-120			1.70	20
1,3,5-Trimethylbenzene	25.0	25.1	25.6	101	103	75.0-120			2.06	20
Vinyl acetate	125	127	120	101	96.2	46.0-160			5.22	20
Vinyl chloride	25.0	22.8	24.0	91.2	95.9	64.0-133			5.04	20
Xylenes, Total	75.0	68.2	69.3	90.9	92.4	77.0-120			1.60	20
(S) Toluene-d8				*96.7*	*96.6*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*101*	*76.0-123*				
(S) 4-Bromofluorobenzene				*105*	*106*	*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.

ACCREDITATIONS & LOCATIONS

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.

State Accreditations

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

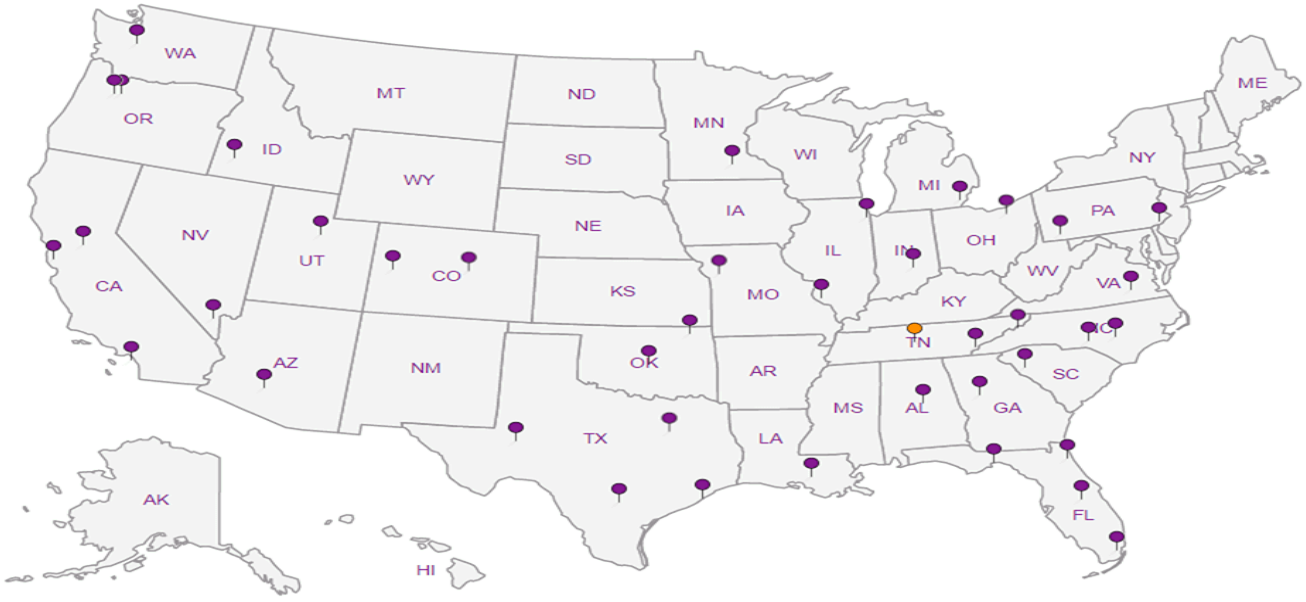
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON McKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb-HCl	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B MW-157-85	GRAB	SS GW	85	09/01/17	0820	5	X		X	X			-01
B MW-137-95		SS	95		0900	5	X		X	X			-02
B- 216-20		SS	20		0915	4			X	X			-03
B- 216-13		SS	13		0930	4			X	X		HOLD	
B- 216-40		SS	40		1010	4			X	X			-04
B MW-147-107-W		GW SS	107		1130	6		X	X	X	X	HOLD	-01
B B-216-50		SS	50		1035	4			X	X			-05
B MW-137-115		SS GW	115		1145	5	X		X	X	X		-06
B- 216-65		SS GW	65		1145	4			X	X	X		-07
B- 216-55		SS	55		1215	4			X	X			-08

* 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 # 7474 0921 0366

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	9/1/17	1500	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			Date: 9/2/17 Time: 0845

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 20 °C mx 50 Bottles Received: 52

If preservation required by Login: Date/Time

8-218

Condition: NCF / OK

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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# 933742

B141 L934916

Acctnum: PESENVSWA
Template: T126584
Prelogin: P613271
TSR: 110 - Brian Ford
PB:
Shipped Via: FedEx Ground

N 9/8/17

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

Andy Vann

From: Brian Ford
Sent: Friday, September 08, 2017 1:57 PM
To: Login; Sample Storage; Brian Ford
Subject: L933742 *PESENVSWA* log off hold

Please log off hold label 8-218. Log as R5 due 09/15.

MW-137-107-W for V8260LLC and NWTPHGX.

This sample was accidentally listed on the COC as MW-147-107-W. MW-137-107-W is the correct sample ID and the containers should be labeled correctly.

Thanks,

Brian Ford
Technical Service Representative
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772 | Cell 931.510.2229
bford@esclabsciences.com | www.esclabsciences.com

MEMORANDUM

TO: Project File **DATE:** September 21, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.002

TASK: September 1, 2017 – Groundwater Sample

LAB: ESC Lab ID L934916

One (1) groundwater sample was collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 1, 2017. The sample was 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;

The results are reported in ESC Sample Delivery Group (SDG) L934916. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in X# ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L934130, L934673, L934916, and). The quality assurance review of the sample data associated with SDG L934916 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund Methods Data Review (USEPA, 2017) and USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2017).

DATA VALIDATION

Completeness

The sample was collected and analyzed as requested with the following discussion:

- Chain of custody and a communication record (9/8/2017) between PES and ESC indicate that sample MW-147-107-W (L934916-01) should be corrected to read MW-1**3**7-107-W.

- Chain of custody shows that nine soil samples were collected and submitted. It appears that the samples were received on September 2, 2017. ESC was contacted and confirmed that soil results are associated with SDG L933742.

Sample Collection and Preservation

Samples were collected on September 1, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.0 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for preserved water from the date of sample 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.

Initial and Continuing Calibration

Calibration data for this project are not required for this deliverable and ESC does not indicate any calibration issues.

Method Blank Results

USEPA Method 8260C:
A laboratory method blank was included with the analytical batch per method requirement. The target analytes (VOCs) were not detected in the method blank at or above the reported detection limits (RDLs).

NWTPH-Gx Method:
A laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blank at or above the RDL.

Trip Blank Results

USEPA Method 8260C and NWTPH-Gx:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicates were not collected.

Laboratory Duplicate Analyses

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

NWTPH-Gx Method:
A laboratory duplicate sample was not analyzed. Refer to LCS/LCSD and/or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

Surrogate Recoveries

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

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSD, 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 water.

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for water.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260C:
MS/MSD analysis was not performed. Refer to LCS/LCSD results for accuracy and precision data.

NWTPH-Gx Method:
MS/MSD analysis were performed on a non-client sample. MS/MSD % Rs and RPD were within the laboratory control criteria for waters.

Other Quality Control Issues

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

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

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	09/11/2017 21:47	WG1019041
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-122*		*09/11/2017 21:47*	WG1019041

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	1.74 J	J	1.05	25.0	1	09/09/2017 16:21	WG1018559
Acrylonitrile	U		0.873	5.00	1	09/09/2017 16:21	WG1018559
Benzene	U		0.0896	0.500	1	09/09/2017 16:21	WG1018559
Bromobenzene	U		0.133	0.500	1	09/09/2017 16:21	WG1018559
Bromodichloromethane	U		0.0800	0.500	1	09/09/2017 16:21	WG1018559
Bromochloromethane	U		0.145	0.500	1	09/09/2017 16:21	WG1018559
Bromoform	U		0.186	0.500	1	09/09/2017 16:21	WG1018559
Bromomethane	U		0.157	2.50	1	09/09/2017 16:21	WG1018559
n-Butylbenzene	U		0.143	0.500	1	09/09/2017 16:21	WG1018559
sec-Butylbenzene	U		0.134	0.500	1	09/09/2017 16:21	WG1018559
tert-Butylbenzene	U		0.183	0.500	1	09/09/2017 16:21	WG1018559
Carbon disulfide	U		0.101	0.500	1	09/09/2017 16:21	WG1018559
Carbon tetrachloride	U		0.159	0.500	1	09/09/2017 16:21	WG1018559
Chlorobenzene	U		0.140	0.500	1	09/09/2017 16:21	WG1018559
Chlorodibromomethane	U		0.128	0.500	1	09/09/2017 16:21	WG1018559
Chloroethane	U		0.141	2.50	1	09/09/2017 16:21	WG1018559
Chloroform	U		0.0860	0.500	1	09/09/2017 16:21	WG1018559
Chloromethane	U		0.153	1.25	1	09/09/2017 16:21	WG1018559
2-Chlorotoluene	U		0.111	0.500	1	09/09/2017 16:21	WG1018559
4-Chlorotoluene	U		0.0972	0.500	1	09/09/2017 16:21	WG1018559
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/09/2017 16:21	WG1018559
1,2-Dibromoethane	U		0.193	0.500	1	09/09/2017 16:21	WG1018559
Dibromomethane	U		0.117	0.500	1	09/09/2017 16:21	WG1018559
1,2-Dichlorobenzene	U		0.101	0.500	1	09/09/2017 16:21	WG1018559
1,3-Dichlorobenzene	U		0.130	0.500	1	09/09/2017 16:21	WG1018559
1,4-Dichlorobenzene	U		0.121	0.500	1	09/09/2017 16:21	WG1018559
Dichlorodifluoromethane	U		0.127	2.50	1	09/09/2017 16:21	WG1018559
1,1-Dichloroethane	U		0.114	0.500	1	09/09/2017 16:21	WG1018559
1,2-Dichloroethane	U		0.108	0.500	1	09/09/2017 16:21	WG1018559
1,1-Dichloroethene	U		0.188	0.500	1	09/09/2017 16:21	WG1018559
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/09/2017 16:21	WG1018559
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/09/2017 16:21	WG1018559
1,2-Dichloropropane	U		0.190	0.500	1	09/09/2017 16:21	WG1018559
1,1-Dichloropropene	U		0.128	0.500	1	09/09/2017 16:21	WG1018559
1,3-Dichloropropane	U		0.147	1.00	1	09/09/2017 16:21	WG1018559
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/09/2017 16:21	WG1018559
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/09/2017 16:21	WG1018559
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/09/2017 16:21	WG1018559
2,2-Dichloropropane	U		0.0929	0.500	1	09/09/2017 16:21	WG1018559
Di-isopropyl ether	U		0.0924	0.500	1	09/09/2017 16:21	WG1018559
Ethylbenzene	U		0.158	0.500	1	09/09/2017 16:21	WG1018559
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/09/2017 16:21	WG1018559
2-Hexanone	U		0.757	5.00	1	09/09/2017 16:21	WG1018559
n-Hexane	U		0.305	5.00	1	09/09/2017 16:21	WG1018559
Iodomethane	U		0.377	10.0	1	09/09/2017 16:21	WG1018559
Isopropylbenzene	U		0.126	0.500	1	09/09/2017 16:21	WG1018559
p-Isopropyltoluene	U		0.138	0.500	1	09/09/2017 16:21	WG1018559
2-Butanone (MEK)	1.58 J	J	1.28	5.00	1	09/09/2017 16:21	WG1018559

JC 9/21/17

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	09/09/2017 16:21	WG1018559
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/09/2017 16:21	WG1018559
Methyl tert-butyl ether	U		0.102	0.500	1	09/09/2017 16:21	WG1018559
Naphthalene	U		0.174	2.50	1	09/09/2017 16:21	WG1018559
n-Propylbenzene	U		0.162	0.500	1	09/09/2017 16:21	WG1018559
Styrene	U		0.117	0.500	1	09/09/2017 16:21	WG1018559
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/09/2017 16:21	WG1018559
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/09/2017 16:21	WG1018559
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/09/2017 16:21	WG1018559
Tetrachloroethene	U		0.199	0.500	1	09/09/2017 16:21	WG1018559
Toluene	41.1		0.412	0.500	1	09/09/2017 16:21	WG1018559
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/09/2017 16:21	WG1018559
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/09/2017 16:21	WG1018559
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/09/2017 16:21	WG1018559
1,1,2-Trichloroethane	U		0.186	0.500	1	09/09/2017 16:21	WG1018559
Trichloroethene	U		0.153	0.500	1	09/09/2017 16:21	WG1018559
Trichlorofluoromethane	U		0.130	2.50	1	09/09/2017 16:21	WG1018559
1,2,3-Trichloropropane	U		0.247	2.50	1	09/09/2017 16:21	WG1018559
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/09/2017 16:21	WG1018559
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/09/2017 16:21	WG1018559
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/09/2017 16:21	WG1018559
Vinyl acetate	U		0.645	5.00	1	09/09/2017 16:21	WG1018559
Vinyl chloride	U		0.118	0.500	1	09/09/2017 16:21	WG1018559
Xylenes, Total	U		0.316	1.50	1	09/09/2017 16:21	WG1018559
(S) Toluene-d8	*98.7*			*80.0-120*		*09/09/2017 16:21*	WG1018559
(S) Dibromofluoromethane	*103*			*76.0-123*		*09/09/2017 16:21*	WG1018559
(S) 4-Bromofluorobenzene	*107*			*80.0-120*		*09/09/2017 16:21*	WG1018559

JC 9/21/17

ANALYTICAL REPORT

September 19, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L935150
Samples Received:	09/09/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

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B-214-15 L935150-01 Solid

Collected by: Shannon McKernan | Collected date/time: 09/07/17 10:30 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020007	1	09/14/17 11:43	09/14/17 11:54	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/07/17 10:30	09/17/17 14:13	JHH

B-214-25 L935150-02 Solid

Collected by: Shannon McKernan | Collected date/time: 09/07/17 10:55 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020007	1	09/14/17 11:43	09/14/17 11:54	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/07/17 10:55	09/17/17 14:54	JHH

B-214-35 L935150-03 Solid

Collected by: Shannon McKernan | Collected date/time: 09/07/17 11:20 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020007	1	09/14/17 11:43	09/14/17 11:54	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/07/17 11:20	09/17/17 15:13	JHH

B-214-45 L935150-04 Solid

Collected by: Shannon McKernan | Collected date/time: 09/07/17 11:50 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020007	1	09/14/17 11:43	09/14/17 11:54	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/07/17 11:50	09/17/17 15:33	JHH

B-214-55 L935150-05 Solid

Collected by: Shannon McKernan | Collected date/time: 09/07/17 14:00 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020007	1	09/14/17 11:43	09/14/17 11:54	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/07/17 14:00	09/17/17 15:53	JHH

B-212-15 L935150-06 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 10:10 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020007	1	09/14/17 11:43	09/14/17 11:54	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1018994	25	09/08/17 10:10	09/14/17 01:36	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/08/17 10:10	09/17/17 16:12	JHH

B-212-21 L935150-07 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 10:25 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020007	1	09/14/17 11:43	09/14/17 11:54	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1018994	25	09/08/17 10:25	09/14/17 01:58	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/08/17 10:25	09/17/17 16:32	JHH

B-212-35 L935150-08 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 10:45 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020015	1	09/14/17 11:55	09/14/17 12:11	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1018994	25	09/08/17 10:45	09/14/17 02:20	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/08/17 10:45	09/17/17 16:51	JHH

B-212-45 L935150-09 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 11:15 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020015	1	09/14/17 11:55	09/14/17 12:11	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1018994	25	09/08/17 11:15	09/14/17 02:43	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/08/17 11:15	09/17/17 17:11	JHH

B-212-55 L935150-10 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 11:45 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020015	1	09/14/17 11:55	09/14/17 12:11	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1018994	25	09/08/17 11:45	09/12/17 19:46	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1018676	1	09/08/17 11:45	09/17/17 17:31	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	93.3		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0536	1	09/17/2017 14:13	WG1018676
Acrylonitrile	U		0.00192	0.0107	1	09/17/2017 14:13	WG1018676
Benzene	U		0.000290	0.00107	1	09/17/2017 14:13	WG1018676
Bromobenzene	U		0.000305	0.00107	1	09/17/2017 14:13	WG1018676
Bromodichloromethane	U		0.000272	0.00107	1	09/17/2017 14:13	WG1018676
Bromochloromethane	U		0.000418	0.00536	1	09/17/2017 14:13	WG1018676
Bromoform	U		0.000455	0.00107	1	09/17/2017 14:13	WG1018676
Bromomethane	U		0.00144	0.00536	1	09/17/2017 14:13	WG1018676
n-Butylbenzene	U		0.000277	0.00107	1	09/17/2017 14:13	WG1018676
sec-Butylbenzene	U		0.000216	0.00107	1	09/17/2017 14:13	WG1018676
tert-Butylbenzene	U		0.000221	0.00107	1	09/17/2017 14:13	WG1018676
Carbon disulfide	0.000244	J	0.000237	0.00107	1	09/17/2017 14:13	WG1018676
Carbon tetrachloride	U		0.000352	0.00107	1	09/17/2017 14:13	WG1018676
Chlorobenzene	U		0.000227	0.00107	1	09/17/2017 14:13	WG1018676
Chlorodibromomethane	U		0.000400	0.00107	1	09/17/2017 14:13	WG1018676
Chloroethane	U		0.00101	0.00536	1	09/17/2017 14:13	WG1018676
Chloroform	U		0.000246	0.00536	1	09/17/2017 14:13	WG1018676
Chloromethane	U		0.000402	0.00268	1	09/17/2017 14:13	WG1018676
2-Chlorotoluene	U		0.000323	0.00107	1	09/17/2017 14:13	WG1018676
4-Chlorotoluene	U		0.000257	0.00107	1	09/17/2017 14:13	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00536	1	09/17/2017 14:13	WG1018676
1,2-Dibromoethane	U		0.000368	0.00107	1	09/17/2017 14:13	WG1018676
Dibromomethane	U		0.000410	0.00107	1	09/17/2017 14:13	WG1018676
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/17/2017 14:13	WG1018676
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/17/2017 14:13	WG1018676
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/17/2017 14:13	WG1018676
Dichlorodifluoromethane	U		0.000765	0.00536	1	09/17/2017 14:13	WG1018676
1,1-Dichloroethane	U		0.000213	0.00107	1	09/17/2017 14:13	WG1018676
1,2-Dichloroethane	U		0.000284	0.00107	1	09/17/2017 14:13	WG1018676
1,1-Dichloroethene	U		0.000325	0.00107	1	09/17/2017 14:13	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000252	0.00107	1	09/17/2017 14:13	WG1018676
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/17/2017 14:13	WG1018676
1,2-Dichloropropane	U		0.000384	0.00107	1	09/17/2017 14:13	WG1018676
1,1-Dichloropropene	U		0.000340	0.00107	1	09/17/2017 14:13	WG1018676
1,3-Dichloropropane	U		0.000222	0.00107	1	09/17/2017 14:13	WG1018676
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/17/2017 14:13	WG1018676
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/17/2017 14:13	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000834	0.00268	1	09/17/2017 14:13	WG1018676
2,2-Dichloropropane	U		0.000299	0.00107	1	09/17/2017 14:13	WG1018676
Di-isopropyl ether	U	J0	0.000266	0.00107	1	09/17/2017 14:13	WG1018676
Ethylbenzene	U		0.000318	0.00107	1	09/17/2017 14:13	WG1018676
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	09/17/2017 14:13	WG1018676
2-Hexanone	U		0.00147	0.0107	1	09/17/2017 14:13	WG1018676
n-Hexane	U		0.000311	0.0107	1	09/17/2017 14:13	WG1018676
Iodomethane	U		0.00271	0.0107	1	09/17/2017 14:13	WG1018676
Isopropylbenzene	U		0.000261	0.00107	1	09/17/2017 14:13	WG1018676
p-Isopropyltoluene	U		0.000219	0.00107	1	09/17/2017 14:13	WG1018676
2-Butanone (MEK)	U		0.00502	0.0107	1	09/17/2017 14:13	WG1018676
Methylene Chloride	U		0.00107	0.00536	1	09/17/2017 14:13	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/17/2017 14:13	WG1018676

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/17/2017 14:13	WG1018676
Naphthalene	U		0.00107	0.00536	1	09/17/2017 14:13	WG1018676
n-Propylbenzene	U		0.000221	0.00107	1	09/17/2017 14:13	WG1018676
Styrene	U		0.000251	0.00107	1	09/17/2017 14:13	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/17/2017 14:13	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/17/2017 14:13	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/17/2017 14:13	WG1018676
Tetrachloroethene	U		0.000296	0.00107	1	09/17/2017 14:13	WG1018676
Toluene	U		0.000465	0.00536	1	09/17/2017 14:13	WG1018676
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/17/2017 14:13	WG1018676
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	09/17/2017 14:13	WG1018676
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/17/2017 14:13	WG1018676
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/17/2017 14:13	WG1018676
Trichloroethene	U		0.000299	0.00107	1	09/17/2017 14:13	WG1018676
Trichlorofluoromethane	U		0.000410	0.00536	1	09/17/2017 14:13	WG1018676
1,2,3-Trichloropropane	U		0.000795	0.00268	1	09/17/2017 14:13	WG1018676
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/17/2017 14:13	WG1018676
1,2,3-Trimethylbenzene	U	J4	0.000308	0.00107	1	09/17/2017 14:13	WG1018676
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/17/2017 14:13	WG1018676
Vinyl acetate	U		0.00256	0.0107	1	09/17/2017 14:13	WG1018676
Vinyl chloride	U		0.000312	0.00107	1	09/17/2017 14:13	WG1018676
Xylenes, Total	U		0.000748	0.00322	1	09/17/2017 14:13	WG1018676
(S) Toluene-d8	*101*			*80.0-120*		*09/17/2017 14:13*	WG1018676
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/17/2017 14:13*	WG1018676
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/17/2017 14:13*	WG1018676

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.6		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0106	0.0528	1	09/17/2017 14:54	WG1018676
Acrylonitrile	U		0.00189	0.0106	1	09/17/2017 14:54	WG1018676
Benzene	U		0.000285	0.00106	1	09/17/2017 14:54	WG1018676
Bromobenzene	U		0.000300	0.00106	1	09/17/2017 14:54	WG1018676
Bromodichloromethane	U		0.000268	0.00106	1	09/17/2017 14:54	WG1018676
Bromochloromethane	U		0.000412	0.00528	1	09/17/2017 14:54	WG1018676
Bromoform	U		0.000448	0.00106	1	09/17/2017 14:54	WG1018676
Bromomethane	U		0.00142	0.00528	1	09/17/2017 14:54	WG1018676
n-Butylbenzene	U		0.000273	0.00106	1	09/17/2017 14:54	WG1018676
sec-Butylbenzene	U		0.000212	0.00106	1	09/17/2017 14:54	WG1018676
tert-Butylbenzene	U		0.000218	0.00106	1	09/17/2017 14:54	WG1018676
Carbon disulfide	U		0.000234	0.00106	1	09/17/2017 14:54	WG1018676
Carbon tetrachloride	U		0.000347	0.00106	1	09/17/2017 14:54	WG1018676
Chlorobenzene	U		0.000224	0.00106	1	09/17/2017 14:54	WG1018676
Chlorodibromomethane	U		0.000394	0.00106	1	09/17/2017 14:54	WG1018676
Chloroethane	U		0.00100	0.00528	1	09/17/2017 14:54	WG1018676
Chloroform	U		0.000242	0.00528	1	09/17/2017 14:54	WG1018676
Chloromethane	U		0.000396	0.00264	1	09/17/2017 14:54	WG1018676
2-Chlorotoluene	U		0.000318	0.00106	1	09/17/2017 14:54	WG1018676
4-Chlorotoluene	U		0.000254	0.00106	1	09/17/2017 14:54	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00528	1	09/17/2017 14:54	WG1018676
1,2-Dibromoethane	U		0.000363	0.00106	1	09/17/2017 14:54	WG1018676
Dibromomethane	U		0.000404	0.00106	1	09/17/2017 14:54	WG1018676
1,2-Dichlorobenzene	U		0.000322	0.00106	1	09/17/2017 14:54	WG1018676
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/17/2017 14:54	WG1018676
1,4-Dichlorobenzene	U		0.000239	0.00106	1	09/17/2017 14:54	WG1018676
Dichlorodifluoromethane	U		0.000754	0.00528	1	09/17/2017 14:54	WG1018676
1,1-Dichloroethane	U		0.000210	0.00106	1	09/17/2017 14:54	WG1018676
1,2-Dichloroethane	U		0.000280	0.00106	1	09/17/2017 14:54	WG1018676
1,1-Dichloroethene	U		0.000320	0.00106	1	09/17/2017 14:54	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000248	0.00106	1	09/17/2017 14:54	WG1018676
trans-1,2-Dichloroethene	U		0.000279	0.00106	1	09/17/2017 14:54	WG1018676
1,2-Dichloropropane	U		0.000378	0.00106	1	09/17/2017 14:54	WG1018676
1,1-Dichloropropene	U		0.000335	0.00106	1	09/17/2017 14:54	WG1018676
1,3-Dichloropropane	U		0.000219	0.00106	1	09/17/2017 14:54	WG1018676
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	09/17/2017 14:54	WG1018676
trans-1,3-Dichloropropene	U		0.000282	0.00106	1	09/17/2017 14:54	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000822	0.00264	1	09/17/2017 14:54	WG1018676
2,2-Dichloropropane	U		0.000295	0.00106	1	09/17/2017 14:54	WG1018676
Di-isopropyl ether	U	J0	0.000262	0.00106	1	09/17/2017 14:54	WG1018676
Ethylbenzene	U		0.000314	0.00106	1	09/17/2017 14:54	WG1018676
Hexachloro-1,3-butadiene	U		0.000361	0.00106	1	09/17/2017 14:54	WG1018676
2-Hexanone	U		0.00145	0.0106	1	09/17/2017 14:54	WG1018676
n-Hexane	0.000623	J	0.000306	0.0106	1	09/17/2017 14:54	WG1018676
Iodomethane	U		0.00267	0.0106	1	09/17/2017 14:54	WG1018676
Isopropylbenzene	U		0.000257	0.00106	1	09/17/2017 14:54	WG1018676
p-Isopropyltoluene	U		0.000216	0.00106	1	09/17/2017 14:54	WG1018676
2-Butanone (MEK)	U		0.00495	0.0106	1	09/17/2017 14:54	WG1018676
Methylene Chloride	U		0.00106	0.00528	1	09/17/2017 14:54	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/17/2017 14:54	WG1018676

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000224	0.00106	1	09/17/2017 14:54	WG1018676
Naphthalene	U		0.00106	0.00528	1	09/17/2017 14:54	WG1018676
n-Propylbenzene	U		0.000218	0.00106	1	09/17/2017 14:54	WG1018676
Styrene	U		0.000247	0.00106	1	09/17/2017 14:54	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000279	0.00106	1	09/17/2017 14:54	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000386	0.00106	1	09/17/2017 14:54	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000386	0.00106	1	09/17/2017 14:54	WG1018676
Tetrachloroethene	U		0.000292	0.00106	1	09/17/2017 14:54	WG1018676
Toluene	U		0.000459	0.00528	1	09/17/2017 14:54	WG1018676
1,2,3-Trichlorobenzene	U		0.000323	0.00106	1	09/17/2017 14:54	WG1018676
1,2,4-Trichlorobenzene	U		0.000410	0.00106	1	09/17/2017 14:54	WG1018676
1,1,1-Trichloroethane	U		0.000302	0.00106	1	09/17/2017 14:54	WG1018676
1,1,2-Trichloroethane	U		0.000293	0.00106	1	09/17/2017 14:54	WG1018676
Trichloroethene	U		0.000295	0.00106	1	09/17/2017 14:54	WG1018676
Trichlorofluoromethane	U		0.000404	0.00528	1	09/17/2017 14:54	WG1018676
1,2,3-Trichloropropane	U		0.000783	0.00264	1	09/17/2017 14:54	WG1018676
1,2,4-Trimethylbenzene	U		0.000223	0.00106	1	09/17/2017 14:54	WG1018676
1,2,3-Trimethylbenzene	U	J4	0.000303	0.00106	1	09/17/2017 14:54	WG1018676
1,3,5-Trimethylbenzene	U		0.000281	0.00106	1	09/17/2017 14:54	WG1018676
Vinyl acetate	U		0.00253	0.0106	1	09/17/2017 14:54	WG1018676
Vinyl chloride	U		0.000308	0.00106	1	09/17/2017 14:54	WG1018676
Xylenes, Total	U		0.000738	0.00317	1	09/17/2017 14:54	WG1018676
(S) Toluene-d8	*101*			*80.0-120*		*09/17/2017 14:54*	WG1018676
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/17/2017 14:54*	WG1018676
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/17/2017 14:54*	WG1018676

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0139	J J0	0.0109	0.0543	1	09/17/2017 15:13	WG1018676
Acrylonitrile	U		0.00194	0.0109	1	09/17/2017 15:13	WG1018676
Benzene	U		0.000293	0.00109	1	09/17/2017 15:13	WG1018676
Bromobenzene	U		0.000308	0.00109	1	09/17/2017 15:13	WG1018676
Bromodichloromethane	U		0.000276	0.00109	1	09/17/2017 15:13	WG1018676
Bromochloromethane	U		0.000423	0.00543	1	09/17/2017 15:13	WG1018676
Bromoform	U		0.000460	0.00109	1	09/17/2017 15:13	WG1018676
Bromomethane	U		0.00145	0.00543	1	09/17/2017 15:13	WG1018676
n-Butylbenzene	U		0.000280	0.00109	1	09/17/2017 15:13	WG1018676
sec-Butylbenzene	U		0.000218	0.00109	1	09/17/2017 15:13	WG1018676
tert-Butylbenzene	U		0.000224	0.00109	1	09/17/2017 15:13	WG1018676
Carbon disulfide	U		0.000240	0.00109	1	09/17/2017 15:13	WG1018676
Carbon tetrachloride	U		0.000356	0.00109	1	09/17/2017 15:13	WG1018676
Chlorobenzene	U		0.000230	0.00109	1	09/17/2017 15:13	WG1018676
Chlorodibromomethane	U		0.000405	0.00109	1	09/17/2017 15:13	WG1018676
Chloroethane	U		0.00103	0.00543	1	09/17/2017 15:13	WG1018676
Chloroform	U		0.000249	0.00543	1	09/17/2017 15:13	WG1018676
Chloromethane	U		0.000407	0.00271	1	09/17/2017 15:13	WG1018676
2-Chlorotoluene	U		0.000327	0.00109	1	09/17/2017 15:13	WG1018676
4-Chlorotoluene	U		0.000261	0.00109	1	09/17/2017 15:13	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	09/17/2017 15:13	WG1018676
1,2-Dibromoethane	U		0.000372	0.00109	1	09/17/2017 15:13	WG1018676
Dibromomethane	U		0.000415	0.00109	1	09/17/2017 15:13	WG1018676
1,2-Dichlorobenzene	U		0.000331	0.00109	1	09/17/2017 15:13	WG1018676
1,3-Dichlorobenzene	U		0.000260	0.00109	1	09/17/2017 15:13	WG1018676
1,4-Dichlorobenzene	U		0.000245	0.00109	1	09/17/2017 15:13	WG1018676
Dichlorodifluoromethane	U		0.000774	0.00543	1	09/17/2017 15:13	WG1018676
1,1-Dichloroethane	U		0.000216	0.00109	1	09/17/2017 15:13	WG1018676
1,2-Dichloroethane	U		0.000288	0.00109	1	09/17/2017 15:13	WG1018676
1,1-Dichloroethene	U		0.000329	0.00109	1	09/17/2017 15:13	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000255	0.00109	1	09/17/2017 15:13	WG1018676
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	09/17/2017 15:13	WG1018676
1,2-Dichloropropane	U		0.000389	0.00109	1	09/17/2017 15:13	WG1018676
1,1-Dichloropropene	U		0.000344	0.00109	1	09/17/2017 15:13	WG1018676
1,3-Dichloropropane	U		0.000225	0.00109	1	09/17/2017 15:13	WG1018676
cis-1,3-Dichloropropene	U		0.000284	0.00109	1	09/17/2017 15:13	WG1018676
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	09/17/2017 15:13	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000845	0.00271	1	09/17/2017 15:13	WG1018676
2,2-Dichloropropane	U		0.000303	0.00109	1	09/17/2017 15:13	WG1018676
Di-isopropyl ether	U	J0	0.000269	0.00109	1	09/17/2017 15:13	WG1018676
Ethylbenzene	U		0.000322	0.00109	1	09/17/2017 15:13	WG1018676
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	09/17/2017 15:13	WG1018676
2-Hexanone	U		0.00149	0.0109	1	09/17/2017 15:13	WG1018676
n-Hexane	U		0.000315	0.0109	1	09/17/2017 15:13	WG1018676
Iodomethane	U		0.00275	0.0109	1	09/17/2017 15:13	WG1018676
Isopropylbenzene	U		0.000264	0.00109	1	09/17/2017 15:13	WG1018676
p-Isopropyltoluene	U		0.000222	0.00109	1	09/17/2017 15:13	WG1018676
2-Butanone (MEK)	U		0.00508	0.0109	1	09/17/2017 15:13	WG1018676
Methylene Chloride	U		0.00109	0.00543	1	09/17/2017 15:13	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	09/17/2017 15:13	WG1018676

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

Analyte	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	09/17/2017 15:13	WG1018676
Naphthalene	U		0.00109	0.00543	1	09/17/2017 15:13	WG1018676
n-Propylbenzene	U		0.000224	0.00109	1	09/17/2017 15:13	WG1018676
Styrene	U		0.000254	0.00109	1	09/17/2017 15:13	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	09/17/2017 15:13	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	09/17/2017 15:13	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	09/17/2017 15:13	WG1018676
Tetrachloroethene	U		0.000300	0.00109	1	09/17/2017 15:13	WG1018676
Toluene	U		0.000471	0.00543	1	09/17/2017 15:13	WG1018676
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	09/17/2017 15:13	WG1018676
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	09/17/2017 15:13	WG1018676
1,1,1-Trichloroethane	U		0.000311	0.00109	1	09/17/2017 15:13	WG1018676
1,1,2-Trichloroethane	U		0.000301	0.00109	1	09/17/2017 15:13	WG1018676
Trichloroethene	U		0.000303	0.00109	1	09/17/2017 15:13	WG1018676
Trichlorofluoromethane	U		0.000415	0.00543	1	09/17/2017 15:13	WG1018676
1,2,3-Trichloropropane	U		0.000805	0.00271	1	09/17/2017 15:13	WG1018676
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	09/17/2017 15:13	WG1018676
1,2,3-Trimethylbenzene	U	J4	0.000312	0.00109	1	09/17/2017 15:13	WG1018676
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	09/17/2017 15:13	WG1018676
Vinyl acetate	U		0.00260	0.0109	1	09/17/2017 15:13	WG1018676
Vinyl chloride	U		0.000316	0.00109	1	09/17/2017 15:13	WG1018676
Xylenes, Total	U		0.000758	0.00326	1	09/17/2017 15:13	WG1018676
(S) Toluene-d8	*103*			*80.0-120*		*09/17/2017 15:13*	WG1018676
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*09/17/2017 15:13*	WG1018676
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/17/2017 15:13*	WG1018676

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0202	J J0	0.0106	0.0532	1	09/17/2017 15:33	WG1018676
Acrylonitrile	U		0.00191	0.0106	1	09/17/2017 15:33	WG1018676
Benzene	U		0.000287	0.00106	1	09/17/2017 15:33	WG1018676
Bromobenzene	U		0.000302	0.00106	1	09/17/2017 15:33	WG1018676
Bromodichloromethane	U		0.000270	0.00106	1	09/17/2017 15:33	WG1018676
Bromochloromethane	U		0.000415	0.00532	1	09/17/2017 15:33	WG1018676
Bromoform	U		0.000451	0.00106	1	09/17/2017 15:33	WG1018676
Bromomethane	U		0.00143	0.00532	1	09/17/2017 15:33	WG1018676
n-Butylbenzene	U		0.000275	0.00106	1	09/17/2017 15:33	WG1018676
sec-Butylbenzene	U		0.000214	0.00106	1	09/17/2017 15:33	WG1018676
tert-Butylbenzene	U		0.000219	0.00106	1	09/17/2017 15:33	WG1018676
Carbon disulfide	0.000703	J	0.000235	0.00106	1	09/17/2017 15:33	WG1018676
Carbon tetrachloride	U		0.000349	0.00106	1	09/17/2017 15:33	WG1018676
Chlorobenzene	U		0.000226	0.00106	1	09/17/2017 15:33	WG1018676
Chlorodibromomethane	U		0.000397	0.00106	1	09/17/2017 15:33	WG1018676
Chloroethane	U		0.00101	0.00532	1	09/17/2017 15:33	WG1018676
Chloroform	U		0.000244	0.00532	1	09/17/2017 15:33	WG1018676
Chloromethane	U		0.000399	0.00266	1	09/17/2017 15:33	WG1018676
2-Chlorotoluene	U		0.000320	0.00106	1	09/17/2017 15:33	WG1018676
4-Chlorotoluene	U		0.000255	0.00106	1	09/17/2017 15:33	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00532	1	09/17/2017 15:33	WG1018676
1,2-Dibromoethane	U		0.000365	0.00106	1	09/17/2017 15:33	WG1018676
Dibromomethane	U		0.000407	0.00106	1	09/17/2017 15:33	WG1018676
1,2-Dichlorobenzene	U		0.000325	0.00106	1	09/17/2017 15:33	WG1018676
1,3-Dichlorobenzene	U		0.000254	0.00106	1	09/17/2017 15:33	WG1018676
1,4-Dichlorobenzene	U		0.000241	0.00106	1	09/17/2017 15:33	WG1018676
Dichlorodifluoromethane	U		0.000759	0.00532	1	09/17/2017 15:33	WG1018676
1,1-Dichloroethane	U		0.000212	0.00106	1	09/17/2017 15:33	WG1018676
1,2-Dichloroethane	U		0.000282	0.00106	1	09/17/2017 15:33	WG1018676
1,1-Dichloroethene	U		0.000322	0.00106	1	09/17/2017 15:33	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000250	0.00106	1	09/17/2017 15:33	WG1018676
trans-1,2-Dichloroethene	U		0.000281	0.00106	1	09/17/2017 15:33	WG1018676
1,2-Dichloropropane	U		0.000381	0.00106	1	09/17/2017 15:33	WG1018676
1,1-Dichloropropene	U		0.000337	0.00106	1	09/17/2017 15:33	WG1018676
1,3-Dichloropropane	U		0.000220	0.00106	1	09/17/2017 15:33	WG1018676
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	09/17/2017 15:33	WG1018676
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	09/17/2017 15:33	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000828	0.00266	1	09/17/2017 15:33	WG1018676
2,2-Dichloropropane	U		0.000297	0.00106	1	09/17/2017 15:33	WG1018676
Di-isopropyl ether	U	J0	0.000264	0.00106	1	09/17/2017 15:33	WG1018676
Ethylbenzene	U		0.000316	0.00106	1	09/17/2017 15:33	WG1018676
Hexachloro-1,3-butadiene	U		0.000364	0.00106	1	09/17/2017 15:33	WG1018676
2-Hexanone	U		0.00146	0.0106	1	09/17/2017 15:33	WG1018676
n-Hexane	0.00110	J	0.000309	0.0106	1	09/17/2017 15:33	WG1018676
Iodomethane	U		0.00269	0.0106	1	09/17/2017 15:33	WG1018676
Isopropylbenzene	U		0.000259	0.00106	1	09/17/2017 15:33	WG1018676
p-Isopropyltoluene	U		0.000217	0.00106	1	09/17/2017 15:33	WG1018676
2-Butanone (MEK)	U		0.00498	0.0106	1	09/17/2017 15:33	WG1018676
Methylene Chloride	U		0.00106	0.00532	1	09/17/2017 15:33	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	09/17/2017 15:33	WG1018676

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00106	1	09/17/2017 15:33	WG1018676
Naphthalene	U		0.00106	0.00532	1	09/17/2017 15:33	WG1018676
n-Propylbenzene	U		0.000219	0.00106	1	09/17/2017 15:33	WG1018676
Styrene	U		0.000249	0.00106	1	09/17/2017 15:33	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	09/17/2017 15:33	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	09/17/2017 15:33	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	09/17/2017 15:33	WG1018676
Tetrachloroethene	U		0.000294	0.00106	1	09/17/2017 15:33	WG1018676
Toluene	U		0.000462	0.00532	1	09/17/2017 15:33	WG1018676
1,2,3-Trichlorobenzene	U		0.000326	0.00106	1	09/17/2017 15:33	WG1018676
1,2,4-Trichlorobenzene	U		0.000413	0.00106	1	09/17/2017 15:33	WG1018676
1,1,1-Trichloroethane	U		0.000304	0.00106	1	09/17/2017 15:33	WG1018676
1,1,2-Trichloroethane	U		0.000295	0.00106	1	09/17/2017 15:33	WG1018676
Trichloroethene	U		0.000297	0.00106	1	09/17/2017 15:33	WG1018676
Trichlorofluoromethane	U		0.000407	0.00532	1	09/17/2017 15:33	WG1018676
1,2,3-Trichloropropane	U		0.000789	0.00266	1	09/17/2017 15:33	WG1018676
1,2,4-Trimethylbenzene	U		0.000225	0.00106	1	09/17/2017 15:33	WG1018676
1,2,3-Trimethylbenzene	U	J4	0.000305	0.00106	1	09/17/2017 15:33	WG1018676
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	09/17/2017 15:33	WG1018676
Vinyl acetate	U		0.00254	0.0106	1	09/17/2017 15:33	WG1018676
Vinyl chloride	U		0.000310	0.00106	1	09/17/2017 15:33	WG1018676
Xylenes, Total	U		0.000743	0.00319	1	09/17/2017 15:33	WG1018676
(S) Toluene-d8	*104*			*80.0-120*		*09/17/2017 15:33*	WG1018676
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*09/17/2017 15:33*	WG1018676
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/17/2017 15:33*	WG1018676

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0224	J J0	0.0111	0.0555	1	09/17/2017 15:53	WG1018676
Acrylonitrile	U		0.00199	0.0111	1	09/17/2017 15:53	WG1018676
Benzene	0.000343	J	0.000300	0.00111	1	09/17/2017 15:53	WG1018676
Bromobenzene	U		0.000315	0.00111	1	09/17/2017 15:53	WG1018676
Bromodichloromethane	U		0.000282	0.00111	1	09/17/2017 15:53	WG1018676
Bromochloromethane	U		0.000433	0.00555	1	09/17/2017 15:53	WG1018676
Bromoform	U		0.000471	0.00111	1	09/17/2017 15:53	WG1018676
Bromomethane	U		0.00149	0.00555	1	09/17/2017 15:53	WG1018676
n-Butylbenzene	U		0.000286	0.00111	1	09/17/2017 15:53	WG1018676
sec-Butylbenzene	U		0.000223	0.00111	1	09/17/2017 15:53	WG1018676
tert-Butylbenzene	U		0.000229	0.00111	1	09/17/2017 15:53	WG1018676
Carbon disulfide	0.00159		0.000245	0.00111	1	09/17/2017 15:53	WG1018676
Carbon tetrachloride	U		0.000364	0.00111	1	09/17/2017 15:53	WG1018676
Chlorobenzene	U		0.000235	0.00111	1	09/17/2017 15:53	WG1018676
Chlorodibromomethane	U		0.000414	0.00111	1	09/17/2017 15:53	WG1018676
Chloroethane	U		0.00105	0.00555	1	09/17/2017 15:53	WG1018676
Chloroform	U		0.000254	0.00555	1	09/17/2017 15:53	WG1018676
Chloromethane	U		0.000416	0.00278	1	09/17/2017 15:53	WG1018676
2-Chlorotoluene	U		0.000334	0.00111	1	09/17/2017 15:53	WG1018676
4-Chlorotoluene	U		0.000267	0.00111	1	09/17/2017 15:53	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	09/17/2017 15:53	WG1018676
1,2-Dibromoethane	U		0.000381	0.00111	1	09/17/2017 15:53	WG1018676
Dibromomethane	U		0.000424	0.00111	1	09/17/2017 15:53	WG1018676
1,2-Dichlorobenzene	U		0.000339	0.00111	1	09/17/2017 15:53	WG1018676
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/17/2017 15:53	WG1018676
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/17/2017 15:53	WG1018676
Dichlorodifluoromethane	U		0.000792	0.00555	1	09/17/2017 15:53	WG1018676
1,1-Dichloroethane	U		0.000221	0.00111	1	09/17/2017 15:53	WG1018676
1,2-Dichloroethane	U		0.000294	0.00111	1	09/17/2017 15:53	WG1018676
1,1-Dichloroethene	U		0.000336	0.00111	1	09/17/2017 15:53	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000261	0.00111	1	09/17/2017 15:53	WG1018676
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/17/2017 15:53	WG1018676
1,2-Dichloropropane	U		0.000398	0.00111	1	09/17/2017 15:53	WG1018676
1,1-Dichloropropene	U		0.000352	0.00111	1	09/17/2017 15:53	WG1018676
1,3-Dichloropropane	U		0.000230	0.00111	1	09/17/2017 15:53	WG1018676
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	09/17/2017 15:53	WG1018676
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/17/2017 15:53	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000864	0.00278	1	09/17/2017 15:53	WG1018676
2,2-Dichloropropane	U		0.000310	0.00111	1	09/17/2017 15:53	WG1018676
Di-isopropyl ether	U	J0	0.000275	0.00111	1	09/17/2017 15:53	WG1018676
Ethylbenzene	U		0.000330	0.00111	1	09/17/2017 15:53	WG1018676
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	09/17/2017 15:53	WG1018676
2-Hexanone	U		0.00152	0.0111	1	09/17/2017 15:53	WG1018676
n-Hexane	0.00245	J	0.000322	0.0111	1	09/17/2017 15:53	WG1018676
Iodomethane	U		0.00281	0.0111	1	09/17/2017 15:53	WG1018676
Isopropylbenzene	U		0.000270	0.00111	1	09/17/2017 15:53	WG1018676
p-Isopropyltoluene	U		0.000227	0.00111	1	09/17/2017 15:53	WG1018676
2-Butanone (MEK)	U		0.00520	0.0111	1	09/17/2017 15:53	WG1018676
Methylene Chloride	U		0.00111	0.00555	1	09/17/2017 15:53	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	09/17/2017 15:53	WG1018676

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

Analyte	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	09/17/2017 15:53	WG1018676
Naphthalene	U		0.00111	0.00555	1	09/17/2017 15:53	WG1018676
n-Propylbenzene	U		0.000229	0.00111	1	09/17/2017 15:53	WG1018676
Styrene	U		0.000260	0.00111	1	09/17/2017 15:53	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/17/2017 15:53	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/17/2017 15:53	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/17/2017 15:53	WG1018676
Tetrachloroethene	U		0.000306	0.00111	1	09/17/2017 15:53	WG1018676
Toluene	U		0.000482	0.00555	1	09/17/2017 15:53	WG1018676
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	09/17/2017 15:53	WG1018676
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	09/17/2017 15:53	WG1018676
1,1,1-Trichloroethane	U		0.000318	0.00111	1	09/17/2017 15:53	WG1018676
1,1,2-Trichloroethane	U		0.000308	0.00111	1	09/17/2017 15:53	WG1018676
Trichloroethene	U		0.000310	0.00111	1	09/17/2017 15:53	WG1018676
Trichlorofluoromethane	U		0.000424	0.00555	1	09/17/2017 15:53	WG1018676
1,2,3-Trichloropropane	U		0.000823	0.00278	1	09/17/2017 15:53	WG1018676
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/17/2017 15:53	WG1018676
1,2,3-Trimethylbenzene	U	J4	0.000319	0.00111	1	09/17/2017 15:53	WG1018676
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/17/2017 15:53	WG1018676
Vinyl acetate	U		0.00265	0.0111	1	09/17/2017 15:53	WG1018676
Vinyl chloride	U		0.000323	0.00111	1	09/17/2017 15:53	WG1018676
Xylenes, Total	U		0.000775	0.00333	1	09/17/2017 15:53	WG1018676
(S) Toluene-d8	*101*			*80.0-120*		*09/17/2017 15:53*	WG1018676
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/17/2017 15:53*	WG1018676
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/17/2017 15:53*	WG1018676

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	09/14/2017 11:54	WG1020007

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		0.977	2.88	25	09/14/2017 01:36	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-120*		*09/14/2017 01:36*	WG1018994

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0129	J J0	0.0115	0.0576	1	09/17/2017 16:12	WG1018676
Acrylonitrile	U		0.00206	0.0115	1	09/17/2017 16:12	WG1018676
Benzene	U		0.000311	0.00115	1	09/17/2017 16:12	WG1018676
Bromobenzene	U		0.000327	0.00115	1	09/17/2017 16:12	WG1018676
Bromodichloromethane	U		0.000293	0.00115	1	09/17/2017 16:12	WG1018676
Bromochloromethane	U		0.000449	0.00576	1	09/17/2017 16:12	WG1018676
Bromoform	U		0.000488	0.00115	1	09/17/2017 16:12	WG1018676
Bromomethane	U		0.00154	0.00576	1	09/17/2017 16:12	WG1018676
n-Butylbenzene	U		0.000297	0.00115	1	09/17/2017 16:12	WG1018676
sec-Butylbenzene	U		0.000232	0.00115	1	09/17/2017 16:12	WG1018676
tert-Butylbenzene	U		0.000237	0.00115	1	09/17/2017 16:12	WG1018676
Carbon disulfide	U		0.000255	0.00115	1	09/17/2017 16:12	WG1018676
Carbon tetrachloride	U		0.000378	0.00115	1	09/17/2017 16:12	WG1018676
Chlorobenzene	U		0.000244	0.00115	1	09/17/2017 16:12	WG1018676
Chlorodibromomethane	U		0.000430	0.00115	1	09/17/2017 16:12	WG1018676
Chloroethane	U		0.00109	0.00576	1	09/17/2017 16:12	WG1018676
Chloroform	U		0.000264	0.00576	1	09/17/2017 16:12	WG1018676
Chloromethane	U		0.000432	0.00288	1	09/17/2017 16:12	WG1018676
2-Chlorotoluene	U		0.000347	0.00115	1	09/17/2017 16:12	WG1018676
4-Chlorotoluene	U		0.000276	0.00115	1	09/17/2017 16:12	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	09/17/2017 16:12	WG1018676
1,2-Dibromoethane	U		0.000395	0.00115	1	09/17/2017 16:12	WG1018676
Dibromomethane	U		0.000440	0.00115	1	09/17/2017 16:12	WG1018676
1,2-Dichlorobenzene	U		0.000351	0.00115	1	09/17/2017 16:12	WG1018676
1,3-Dichlorobenzene	U		0.000275	0.00115	1	09/17/2017 16:12	WG1018676
1,4-Dichlorobenzene	U		0.000260	0.00115	1	09/17/2017 16:12	WG1018676
Dichlorodifluoromethane	U		0.000821	0.00576	1	09/17/2017 16:12	WG1018676
1,1-Dichloroethane	U		0.000229	0.00115	1	09/17/2017 16:12	WG1018676
1,2-Dichloroethane	U		0.000305	0.00115	1	09/17/2017 16:12	WG1018676
1,1-Dichloroethene	U		0.000349	0.00115	1	09/17/2017 16:12	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000271	0.00115	1	09/17/2017 16:12	WG1018676
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	09/17/2017 16:12	WG1018676
1,2-Dichloropropane	U		0.000412	0.00115	1	09/17/2017 16:12	WG1018676
1,1-Dichloropropene	U		0.000365	0.00115	1	09/17/2017 16:12	WG1018676
1,3-Dichloropropane	U		0.000238	0.00115	1	09/17/2017 16:12	WG1018676
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	09/17/2017 16:12	WG1018676
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	09/17/2017 16:12	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000896	0.00288	1	09/17/2017 16:12	WG1018676
2,2-Dichloropropane	U		0.000321	0.00115	1	09/17/2017 16:12	WG1018676
Di-isopropyl ether	U	J0	0.000286	0.00115	1	09/17/2017 16:12	WG1018676
Ethylbenzene	U		0.000342	0.00115	1	09/17/2017 16:12	WG1018676
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	09/17/2017 16:12	WG1018676
2-Hexanone	U		0.00158	0.0115	1	09/17/2017 16:12	WG1018676
n-Hexane	U		0.000334	0.0115	1	09/17/2017 16:12	WG1018676

Volatile Organic Compounds (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	09/17/2017 16:12	WG1018676
Isopropylbenzene	U		0.000280	0.00115	1	09/17/2017 16:12	WG1018676
p-Isopropyltoluene	U		0.000235	0.00115	1	09/17/2017 16:12	WG1018676
2-Butanone (MEK)	U		0.00539	0.0115	1	09/17/2017 16:12	WG1018676
Methylene Chloride	U		0.00115	0.00576	1	09/17/2017 16:12	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	09/17/2017 16:12	WG1018676
Methyl tert-butyl ether	U		0.000244	0.00115	1	09/17/2017 16:12	WG1018676
Naphthalene	U		0.00115	0.00576	1	09/17/2017 16:12	WG1018676
n-Propylbenzene	U		0.000237	0.00115	1	09/17/2017 16:12	WG1018676
Styrene	U		0.000270	0.00115	1	09/17/2017 16:12	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	09/17/2017 16:12	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	09/17/2017 16:12	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	09/17/2017 16:12	WG1018676
Tetrachloroethene	U		0.000318	0.00115	1	09/17/2017 16:12	WG1018676
Toluene	U		0.000500	0.00576	1	09/17/2017 16:12	WG1018676
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	09/17/2017 16:12	WG1018676
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	09/17/2017 16:12	WG1018676
1,1,1-Trichloroethane	U		0.000329	0.00115	1	09/17/2017 16:12	WG1018676
1,1,2-Trichloroethane	U		0.000319	0.00115	1	09/17/2017 16:12	WG1018676
Trichloroethene	U		0.000321	0.00115	1	09/17/2017 16:12	WG1018676
Trichlorofluoromethane	U		0.000440	0.00576	1	09/17/2017 16:12	WG1018676
1,2,3-Trichloropropane	U		0.000853	0.00288	1	09/17/2017 16:12	WG1018676
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	09/17/2017 16:12	WG1018676
1,2,3-Trimethylbenzene	U	J4	0.000331	0.00115	1	09/17/2017 16:12	WG1018676
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	09/17/2017 16:12	WG1018676
Vinyl acetate	U		0.00275	0.0115	1	09/17/2017 16:12	WG1018676
Vinyl chloride	U		0.000335	0.00115	1	09/17/2017 16:12	WG1018676
Xylenes, Total	U		0.000804	0.00346	1	09/17/2017 16:12	WG1018676
(S) Toluene-d8	*101*			*80.0-120*		*09/17/2017 16:12*	WG1018676
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/17/2017 16:12*	WG1018676
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/17/2017 16:12*	WG1018676

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	09/14/2017 11:54	WG1020007

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	63.0		0.881	2.60	25	09/14/2017 01:58	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*77.0-120*		*09/14/2017 01:58*	WG1018994

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0605	J0	0.0104	0.0519	1	09/17/2017 16:32	WG1018676
Acrylonitrile	U		0.00186	0.0104	1	09/17/2017 16:32	WG1018676
Benzene	0.000346	J	0.000281	0.00104	1	09/17/2017 16:32	WG1018676
Bromobenzene	U		0.000295	0.00104	1	09/17/2017 16:32	WG1018676
Bromodichloromethane	U		0.000264	0.00104	1	09/17/2017 16:32	WG1018676
Bromochloromethane	U		0.000405	0.00519	1	09/17/2017 16:32	WG1018676
Bromoform	U		0.000441	0.00104	1	09/17/2017 16:32	WG1018676
Bromomethane	U		0.00139	0.00519	1	09/17/2017 16:32	WG1018676
n-Butylbenzene	0.00372		0.000268	0.00104	1	09/17/2017 16:32	WG1018676
sec-Butylbenzene	0.00234		0.000209	0.00104	1	09/17/2017 16:32	WG1018676
tert-Butylbenzene	U		0.000214	0.00104	1	09/17/2017 16:32	WG1018676
Carbon disulfide	0.00174		0.000230	0.00104	1	09/17/2017 16:32	WG1018676
Carbon tetrachloride	U		0.000341	0.00104	1	09/17/2017 16:32	WG1018676
Chlorobenzene	U		0.000220	0.00104	1	09/17/2017 16:32	WG1018676
Chlorodibromomethane	U		0.000388	0.00104	1	09/17/2017 16:32	WG1018676
Chloroethane	U		0.000983	0.00519	1	09/17/2017 16:32	WG1018676
Chloroform	U		0.000238	0.00519	1	09/17/2017 16:32	WG1018676
Chloromethane	U		0.000390	0.00260	1	09/17/2017 16:32	WG1018676
2-Chlorotoluene	U		0.000313	0.00104	1	09/17/2017 16:32	WG1018676
4-Chlorotoluene	U		0.000249	0.00104	1	09/17/2017 16:32	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00109	0.00519	1	09/17/2017 16:32	WG1018676
1,2-Dibromoethane	U		0.000356	0.00104	1	09/17/2017 16:32	WG1018676
Dibromomethane	U		0.000397	0.00104	1	09/17/2017 16:32	WG1018676
1,2-Dichlorobenzene	U		0.000317	0.00104	1	09/17/2017 16:32	WG1018676
1,3-Dichlorobenzene	U		0.000248	0.00104	1	09/17/2017 16:32	WG1018676
1,4-Dichlorobenzene	U		0.000235	0.00104	1	09/17/2017 16:32	WG1018676
Dichlorodifluoromethane	U		0.000741	0.00519	1	09/17/2017 16:32	WG1018676
1,1-Dichloroethane	U		0.000207	0.00104	1	09/17/2017 16:32	WG1018676
1,2-Dichloroethane	U		0.000275	0.00104	1	09/17/2017 16:32	WG1018676
1,1-Dichloroethene	U		0.000315	0.00104	1	09/17/2017 16:32	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000244	0.00104	1	09/17/2017 16:32	WG1018676
trans-1,2-Dichloroethene	U		0.000274	0.00104	1	09/17/2017 16:32	WG1018676
1,2-Dichloropropane	U		0.000372	0.00104	1	09/17/2017 16:32	WG1018676
1,1-Dichloropropene	U		0.000329	0.00104	1	09/17/2017 16:32	WG1018676
1,3-Dichloropropane	U		0.000215	0.00104	1	09/17/2017 16:32	WG1018676
cis-1,3-Dichloropropene	U		0.000272	0.00104	1	09/17/2017 16:32	WG1018676
trans-1,3-Dichloropropene	U		0.000277	0.00104	1	09/17/2017 16:32	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000808	0.00260	1	09/17/2017 16:32	WG1018676
2,2-Dichloropropane	U		0.000290	0.00104	1	09/17/2017 16:32	WG1018676
Di-isopropyl ether	U	J0	0.000258	0.00104	1	09/17/2017 16:32	WG1018676
Ethylbenzene	0.00103	J	0.000309	0.00104	1	09/17/2017 16:32	WG1018676
Hexachloro-1,3-butadiene	U		0.000355	0.00104	1	09/17/2017 16:32	WG1018676
2-Hexanone	U		0.00142	0.0104	1	09/17/2017 16:32	WG1018676
n-Hexane	U		0.000301	0.0104	1	09/17/2017 16:32	WG1018676

Volatile Organic Compounds (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		0.00263	0.0104	1	09/17/2017 16:32	WG1018676
Isopropylbenzene	0.00134		0.000252	0.00104	1	09/17/2017 16:32	WG1018676
p-Isopropyltoluene	0.00256		0.000212	0.00104	1	09/17/2017 16:32	WG1018676
2-Butanone (MEK)	0.0148		0.00486	0.0104	1	09/17/2017 16:32	WG1018676
Methylene Chloride	U		0.00104	0.00519	1	09/17/2017 16:32	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00195	0.0104	1	09/17/2017 16:32	WG1018676
Methyl tert-butyl ether	U		0.000220	0.00104	1	09/17/2017 16:32	WG1018676
Naphthalene	0.0257		0.00104	0.00519	1	09/17/2017 16:32	WG1018676
n-Propylbenzene	0.00280		0.000214	0.00104	1	09/17/2017 16:32	WG1018676
Styrene	U		0.000243	0.00104	1	09/17/2017 16:32	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000274	0.00104	1	09/17/2017 16:32	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000379	0.00104	1	09/17/2017 16:32	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000379	0.00104	1	09/17/2017 16:32	WG1018676
Tetrachloroethene	0.000490	J	0.000287	0.00104	1	09/17/2017 16:32	WG1018676
Toluene	0.000649	J	0.000451	0.00519	1	09/17/2017 16:32	WG1018676
1,2,3-Trichlorobenzene	U		0.000318	0.00104	1	09/17/2017 16:32	WG1018676
1,2,4-Trichlorobenzene	U		0.000403	0.00104	1	09/17/2017 16:32	WG1018676
1,1,1-Trichloroethane	U		0.000297	0.00104	1	09/17/2017 16:32	WG1018676
1,1,2-Trichloroethane	U		0.000288	0.00104	1	09/17/2017 16:32	WG1018676
Trichloroethene	U		0.000290	0.00104	1	09/17/2017 16:32	WG1018676
Trichlorofluoromethane	U		0.000397	0.00519	1	09/17/2017 16:32	WG1018676
1,2,3-Trichloropropane	U		0.000770	0.00260	1	09/17/2017 16:32	WG1018676
1,2,4-Trimethylbenzene	0.0435		0.000219	0.00104	1	09/17/2017 16:32	WG1018676
1,2,3-Trimethylbenzene	0.0237	J4	0.000298	0.00104	1	09/17/2017 16:32	WG1018676
1,3,5-Trimethylbenzene	0.00931		0.000276	0.00104	1	09/17/2017 16:32	WG1018676
Vinyl acetate	U		0.00248	0.0104	1	09/17/2017 16:32	WG1018676
Vinyl chloride	U		0.000302	0.00104	1	09/17/2017 16:32	WG1018676
Xylenes, Total	0.0131		0.000725	0.00312	1	09/17/2017 16:32	WG1018676
(S) Toluene-d8	*102*			*80.0-120*		*09/17/2017 16:32*	WG1018676
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/17/2017 16:32*	WG1018676
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*09/17/2017 16:32*	WG1018676

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	09/14/2017 12:11	WG1020015

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	1.98	B J	0.925	2.73	25	09/14/2017 02:20	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*77.0-120*		*09/14/2017 02:20*	WG1018994

Volatile Organic Compounds (GC/MS) 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	0.0545	1	09/17/2017 16:51	WG1018676
Acrylonitrile	U		0.00195	0.0109	1	09/17/2017 16:51	WG1018676
Benzene	U		0.000294	0.00109	1	09/17/2017 16:51	WG1018676
Bromobenzene	U		0.000310	0.00109	1	09/17/2017 16:51	WG1018676
Bromodichloromethane	U		0.000277	0.00109	1	09/17/2017 16:51	WG1018676
Bromochloromethane	U		0.000425	0.00545	1	09/17/2017 16:51	WG1018676
Bromoform	U		0.000462	0.00109	1	09/17/2017 16:51	WG1018676
Bromomethane	U		0.00146	0.00545	1	09/17/2017 16:51	WG1018676
n-Butylbenzene	U		0.000281	0.00109	1	09/17/2017 16:51	WG1018676
sec-Butylbenzene	U		0.000219	0.00109	1	09/17/2017 16:51	WG1018676
tert-Butylbenzene	U		0.000225	0.00109	1	09/17/2017 16:51	WG1018676
Carbon disulfide	0.000626	J	0.000241	0.00109	1	09/17/2017 16:51	WG1018676
Carbon tetrachloride	U		0.000358	0.00109	1	09/17/2017 16:51	WG1018676
Chlorobenzene	U		0.000231	0.00109	1	09/17/2017 16:51	WG1018676
Chlorodibromomethane	U		0.000407	0.00109	1	09/17/2017 16:51	WG1018676
Chloroethane	U		0.00103	0.00545	1	09/17/2017 16:51	WG1018676
Chloroform	U		0.000250	0.00545	1	09/17/2017 16:51	WG1018676
Chloromethane	U		0.000409	0.00273	1	09/17/2017 16:51	WG1018676
2-Chlorotoluene	U		0.000328	0.00109	1	09/17/2017 16:51	WG1018676
4-Chlorotoluene	U		0.000262	0.00109	1	09/17/2017 16:51	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	09/17/2017 16:51	WG1018676
1,2-Dibromoethane	U		0.000374	0.00109	1	09/17/2017 16:51	WG1018676
Dibromomethane	U		0.000417	0.00109	1	09/17/2017 16:51	WG1018676
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/17/2017 16:51	WG1018676
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/17/2017 16:51	WG1018676
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/17/2017 16:51	WG1018676
Dichlorodifluoromethane	U		0.000778	0.00545	1	09/17/2017 16:51	WG1018676
1,1-Dichloroethane	U		0.000217	0.00109	1	09/17/2017 16:51	WG1018676
1,2-Dichloroethane	U		0.000289	0.00109	1	09/17/2017 16:51	WG1018676
1,1-Dichloroethene	U		0.000330	0.00109	1	09/17/2017 16:51	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000256	0.00109	1	09/17/2017 16:51	WG1018676
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/17/2017 16:51	WG1018676
1,2-Dichloropropane	U		0.000390	0.00109	1	09/17/2017 16:51	WG1018676
1,1-Dichloropropene	U		0.000346	0.00109	1	09/17/2017 16:51	WG1018676
1,3-Dichloropropane	U		0.000226	0.00109	1	09/17/2017 16:51	WG1018676
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/17/2017 16:51	WG1018676
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/17/2017 16:51	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000848	0.00273	1	09/17/2017 16:51	WG1018676
2,2-Dichloropropane	U		0.000304	0.00109	1	09/17/2017 16:51	WG1018676
Di-isopropyl ether	U	J0	0.000270	0.00109	1	09/17/2017 16:51	WG1018676
Ethylbenzene	U		0.000324	0.00109	1	09/17/2017 16:51	WG1018676
Hexachloro-1,3-butadiene	U		0.000373	0.00109	1	09/17/2017 16:51	WG1018676
2-Hexanone	U		0.00149	0.0109	1	09/17/2017 16:51	WG1018676
n-Hexane	0.00122	J	0.000316	0.0109	1	09/17/2017 16:51	WG1018676

Volatile Organic Compounds (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		0.00276	0.0109	1	09/17/2017 16:51	WG1018676
Isopropylbenzene	U		0.000265	0.00109	1	09/17/2017 16:51	WG1018676
p-Isopropyltoluene	U		0.000222	0.00109	1	09/17/2017 16:51	WG1018676
2-Butanone (MEK)	U		0.00510	0.0109	1	09/17/2017 16:51	WG1018676
Methylene Chloride	U		0.00109	0.00545	1	09/17/2017 16:51	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/17/2017 16:51	WG1018676
Methyl tert-butyl ether	U		0.000231	0.00109	1	09/17/2017 16:51	WG1018676
Naphthalene	U		0.00109	0.00545	1	09/17/2017 16:51	WG1018676
n-Propylbenzene	U		0.000225	0.00109	1	09/17/2017 16:51	WG1018676
Styrene	U		0.000255	0.00109	1	09/17/2017 16:51	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	09/17/2017 16:51	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	09/17/2017 16:51	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	09/17/2017 16:51	WG1018676
Tetrachloroethene	0.000955	J	0.000301	0.00109	1	09/17/2017 16:51	WG1018676
Toluene	U		0.000473	0.00545	1	09/17/2017 16:51	WG1018676
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	09/17/2017 16:51	WG1018676
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	09/17/2017 16:51	WG1018676
1,1,1-Trichloroethane	U		0.000312	0.00109	1	09/17/2017 16:51	WG1018676
1,1,2-Trichloroethane	U		0.000302	0.00109	1	09/17/2017 16:51	WG1018676
Trichloroethene	U		0.000304	0.00109	1	09/17/2017 16:51	WG1018676
Trichlorofluoromethane	U		0.000417	0.00545	1	09/17/2017 16:51	WG1018676
1,2,3-Trichloropropane	U		0.000808	0.00273	1	09/17/2017 16:51	WG1018676
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/17/2017 16:51	WG1018676
1,2,3-Trimethylbenzene	U	J4	0.000313	0.00109	1	09/17/2017 16:51	WG1018676
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/17/2017 16:51	WG1018676
Vinyl acetate	U		0.00261	0.0109	1	09/17/2017 16:51	WG1018676
Vinyl chloride	U		0.000317	0.00109	1	09/17/2017 16:51	WG1018676
Xylenes, Total	U		0.000761	0.00327	1	09/17/2017 16:51	WG1018676
(S) Toluene-d8	*103*			*80.0-120*		*09/17/2017 16:51*	WG1018676
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*09/17/2017 16:51*	WG1018676
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*09/17/2017 16:51*	WG1018676

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	09/14/2017 12:11	WG1020015

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.81	B	0.887	2.62	25	09/14/2017 02:43	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*92.5*			*77.0-120*		*09/14/2017 02:43*	WG1018994

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0221	J J0	0.0105	0.0523	1	09/17/2017 17:11	WG1018676
Acrylonitrile	U		0.00187	0.0105	1	09/17/2017 17:11	WG1018676
Benzene	0.000303	J	0.000282	0.00105	1	09/17/2017 17:11	WG1018676
Bromobenzene	U		0.000297	0.00105	1	09/17/2017 17:11	WG1018676
Bromodichloromethane	U		0.000266	0.00105	1	09/17/2017 17:11	WG1018676
Bromochloromethane	U		0.000408	0.00523	1	09/17/2017 17:11	WG1018676
Bromoform	U		0.000444	0.00105	1	09/17/2017 17:11	WG1018676
Bromomethane	U		0.00140	0.00523	1	09/17/2017 17:11	WG1018676
n-Butylbenzene	U		0.000270	0.00105	1	09/17/2017 17:11	WG1018676
sec-Butylbenzene	U		0.000210	0.00105	1	09/17/2017 17:11	WG1018676
tert-Butylbenzene	U		0.000216	0.00105	1	09/17/2017 17:11	WG1018676
Carbon disulfide	0.00195		0.000231	0.00105	1	09/17/2017 17:11	WG1018676
Carbon tetrachloride	U		0.000343	0.00105	1	09/17/2017 17:11	WG1018676
Chlorobenzene	U		0.000222	0.00105	1	09/17/2017 17:11	WG1018676
Chlorodibromomethane	U		0.000390	0.00105	1	09/17/2017 17:11	WG1018676
Chloroethane	U		0.000990	0.00523	1	09/17/2017 17:11	WG1018676
Chloroform	U		0.000240	0.00523	1	09/17/2017 17:11	WG1018676
Chloromethane	U		0.000392	0.00262	1	09/17/2017 17:11	WG1018676
2-Chlorotoluene	U		0.000315	0.00105	1	09/17/2017 17:11	WG1018676
4-Chlorotoluene	U		0.000251	0.00105	1	09/17/2017 17:11	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00110	0.00523	1	09/17/2017 17:11	WG1018676
1,2-Dibromoethane	U		0.000359	0.00105	1	09/17/2017 17:11	WG1018676
Dibromomethane	U		0.000400	0.00105	1	09/17/2017 17:11	WG1018676
1,2-Dichlorobenzene	U		0.000319	0.00105	1	09/17/2017 17:11	WG1018676
1,3-Dichlorobenzene	U		0.000250	0.00105	1	09/17/2017 17:11	WG1018676
1,4-Dichlorobenzene	U		0.000236	0.00105	1	09/17/2017 17:11	WG1018676
Dichlorodifluoromethane	U		0.000746	0.00523	1	09/17/2017 17:11	WG1018676
1,1-Dichloroethane	U		0.000208	0.00105	1	09/17/2017 17:11	WG1018676
1,2-Dichloroethane	U		0.000277	0.00105	1	09/17/2017 17:11	WG1018676
1,1-Dichloroethene	U		0.000317	0.00105	1	09/17/2017 17:11	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000246	0.00105	1	09/17/2017 17:11	WG1018676
trans-1,2-Dichloroethene	U		0.000276	0.00105	1	09/17/2017 17:11	WG1018676
1,2-Dichloropropane	U		0.000375	0.00105	1	09/17/2017 17:11	WG1018676
1,1-Dichloropropene	U		0.000332	0.00105	1	09/17/2017 17:11	WG1018676
1,3-Dichloropropane	U		0.000217	0.00105	1	09/17/2017 17:11	WG1018676
cis-1,3-Dichloropropene	U		0.000274	0.00105	1	09/17/2017 17:11	WG1018676
trans-1,3-Dichloropropene	U		0.000279	0.00105	1	09/17/2017 17:11	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000814	0.00262	1	09/17/2017 17:11	WG1018676
2,2-Dichloropropane	U		0.000292	0.00105	1	09/17/2017 17:11	WG1018676
Di-isopropyl ether	U	J0	0.000259	0.00105	1	09/17/2017 17:11	WG1018676
Ethylbenzene	U		0.000311	0.00105	1	09/17/2017 17:11	WG1018676
Hexachloro-1,3-butadiene	U		0.000358	0.00105	1	09/17/2017 17:11	WG1018676
2-Hexanone	U		0.00143	0.0105	1	09/17/2017 17:11	WG1018676
n-Hexane	0.0126		0.000303	0.0105	1	09/17/2017 17:11	WG1018676

Volatile Organic Compounds (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		0.00265	0.0105	1	09/17/2017 17:11	WG1018676
Isopropylbenzene	U		0.000254	0.00105	1	09/17/2017 17:11	WG1018676
p-Isopropyltoluene	U		0.000213	0.00105	1	09/17/2017 17:11	WG1018676
2-Butanone (MEK)	0.00512	J	0.00490	0.0105	1	09/17/2017 17:11	WG1018676
Methylene Chloride	U		0.00105	0.00523	1	09/17/2017 17:11	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00197	0.0105	1	09/17/2017 17:11	WG1018676
Methyl tert-butyl ether	U		0.000222	0.00105	1	09/17/2017 17:11	WG1018676
Naphthalene	U		0.00105	0.00523	1	09/17/2017 17:11	WG1018676
n-Propylbenzene	U		0.000216	0.00105	1	09/17/2017 17:11	WG1018676
Styrene	U		0.000245	0.00105	1	09/17/2017 17:11	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000276	0.00105	1	09/17/2017 17:11	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000382	0.00105	1	09/17/2017 17:11	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000382	0.00105	1	09/17/2017 17:11	WG1018676
Tetrachloroethene	U		0.000289	0.00105	1	09/17/2017 17:11	WG1018676
Toluene	U		0.000454	0.00523	1	09/17/2017 17:11	WG1018676
1,2,3-Trichlorobenzene	U		0.000320	0.00105	1	09/17/2017 17:11	WG1018676
1,2,4-Trichlorobenzene	U		0.000406	0.00105	1	09/17/2017 17:11	WG1018676
1,1,1-Trichloroethane	U		0.000299	0.00105	1	09/17/2017 17:11	WG1018676
1,1,2-Trichloroethane	U		0.000290	0.00105	1	09/17/2017 17:11	WG1018676
Trichloroethene	U		0.000292	0.00105	1	09/17/2017 17:11	WG1018676
Trichlorofluoromethane	U		0.000400	0.00523	1	09/17/2017 17:11	WG1018676
1,2,3-Trichloropropane	U		0.000775	0.00262	1	09/17/2017 17:11	WG1018676
1,2,4-Trimethylbenzene	U		0.000221	0.00105	1	09/17/2017 17:11	WG1018676
1,2,3-Trimethylbenzene	U	J4	0.000300	0.00105	1	09/17/2017 17:11	WG1018676
1,3,5-Trimethylbenzene	U		0.000278	0.00105	1	09/17/2017 17:11	WG1018676
Vinyl acetate	U		0.00250	0.0105	1	09/17/2017 17:11	WG1018676
Vinyl chloride	U		0.000304	0.00105	1	09/17/2017 17:11	WG1018676
Xylenes, Total	U		0.000730	0.00314	1	09/17/2017 17:11	WG1018676
(S) Toluene-d8	*104*			*80.0-120*		*09/17/2017 17:11*	WG1018676
(S) Dibromofluoromethane	*96.2*			*74.0-131*		*09/17/2017 17:11*	WG1018676
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/17/2017 17:11*	WG1018676

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	09/14/2017 12:11	WG1020015

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	3.40	B	0.957	2.82	25	09/12/2017 19:46	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*09/12/2017 19:46*	WG1018994

Volatile Organic Compounds (GC/MS) 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	09/17/2017 17:31	WG1018676
Acrylonitrile	U		0.00202	0.0113	1	09/17/2017 17:31	WG1018676
Benzene	U		0.000305	0.00113	1	09/17/2017 17:31	WG1018676
Bromobenzene	U		0.000320	0.00113	1	09/17/2017 17:31	WG1018676
Bromodichloromethane	U		0.000287	0.00113	1	09/17/2017 17:31	WG1018676
Bromochloromethane	U		0.000440	0.00564	1	09/17/2017 17:31	WG1018676
Bromoform	U		0.000478	0.00113	1	09/17/2017 17:31	WG1018676
Bromomethane	U		0.00151	0.00564	1	09/17/2017 17:31	WG1018676
n-Butylbenzene	U		0.000291	0.00113	1	09/17/2017 17:31	WG1018676
sec-Butylbenzene	U		0.000227	0.00113	1	09/17/2017 17:31	WG1018676
tert-Butylbenzene	U		0.000232	0.00113	1	09/17/2017 17:31	WG1018676
Carbon disulfide	0.000278	J	0.000249	0.00113	1	09/17/2017 17:31	WG1018676
Carbon tetrachloride	U		0.000370	0.00113	1	09/17/2017 17:31	WG1018676
Chlorobenzene	U		0.000239	0.00113	1	09/17/2017 17:31	WG1018676
Chlorodibromomethane	U		0.000421	0.00113	1	09/17/2017 17:31	WG1018676
Chloroethane	U		0.00107	0.00564	1	09/17/2017 17:31	WG1018676
Chloroform	U		0.000258	0.00564	1	09/17/2017 17:31	WG1018676
Chloromethane	U		0.000423	0.00282	1	09/17/2017 17:31	WG1018676
2-Chlorotoluene	U		0.000340	0.00113	1	09/17/2017 17:31	WG1018676
4-Chlorotoluene	U		0.000271	0.00113	1	09/17/2017 17:31	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	09/17/2017 17:31	WG1018676
1,2-Dibromoethane	U		0.000387	0.00113	1	09/17/2017 17:31	WG1018676
Dibromomethane	U		0.000431	0.00113	1	09/17/2017 17:31	WG1018676
1,2-Dichlorobenzene	U		0.000344	0.00113	1	09/17/2017 17:31	WG1018676
1,3-Dichlorobenzene	U		0.000270	0.00113	1	09/17/2017 17:31	WG1018676
1,4-Dichlorobenzene	U		0.000255	0.00113	1	09/17/2017 17:31	WG1018676
Dichlorodifluoromethane	U		0.000804	0.00564	1	09/17/2017 17:31	WG1018676
1,1-Dichloroethane	U		0.000225	0.00113	1	09/17/2017 17:31	WG1018676
1,2-Dichloroethane	U		0.000299	0.00113	1	09/17/2017 17:31	WG1018676
1,1-Dichloroethene	U		0.000342	0.00113	1	09/17/2017 17:31	WG1018676
cis-1,2-Dichloroethene	U	J4	0.000265	0.00113	1	09/17/2017 17:31	WG1018676
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	09/17/2017 17:31	WG1018676
1,2-Dichloropropane	U		0.000404	0.00113	1	09/17/2017 17:31	WG1018676
1,1-Dichloropropene	U		0.000358	0.00113	1	09/17/2017 17:31	WG1018676
1,3-Dichloropropane	U		0.000234	0.00113	1	09/17/2017 17:31	WG1018676
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	09/17/2017 17:31	WG1018676
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	09/17/2017 17:31	WG1018676
trans-1,4-Dichloro-2-butene	U	J0	0.000878	0.00282	1	09/17/2017 17:31	WG1018676
2,2-Dichloropropane	U		0.000315	0.00113	1	09/17/2017 17:31	WG1018676
Di-isopropyl ether	U	J0	0.000280	0.00113	1	09/17/2017 17:31	WG1018676
Ethylbenzene	U		0.000335	0.00113	1	09/17/2017 17:31	WG1018676
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	09/17/2017 17:31	WG1018676
2-Hexanone	U		0.00155	0.0113	1	09/17/2017 17:31	WG1018676
n-Hexane	U		0.000327	0.0113	1	09/17/2017 17:31	WG1018676

Volatile Organic Compounds (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		0.00285	0.0113	1	09/17/2017 17:31	WG1018676
Isopropylbenzene	U		0.000274	0.00113	1	09/17/2017 17:31	WG1018676
p-Isopropyltoluene	U		0.000230	0.00113	1	09/17/2017 17:31	WG1018676
2-Butanone (MEK)	U		0.00528	0.0113	1	09/17/2017 17:31	WG1018676
Methylene Chloride	U		0.00113	0.00564	1	09/17/2017 17:31	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	09/17/2017 17:31	WG1018676
Methyl tert-butyl ether	U		0.000239	0.00113	1	09/17/2017 17:31	WG1018676
Naphthalene	U		0.00113	0.00564	1	09/17/2017 17:31	WG1018676
n-Propylbenzene	U		0.000232	0.00113	1	09/17/2017 17:31	WG1018676
Styrene	U		0.000264	0.00113	1	09/17/2017 17:31	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	09/17/2017 17:31	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	09/17/2017 17:31	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	09/17/2017 17:31	WG1018676
Tetrachloroethene	U		0.000311	0.00113	1	09/17/2017 17:31	WG1018676
Toluene	U		0.000490	0.00564	1	09/17/2017 17:31	WG1018676
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	09/17/2017 17:31	WG1018676
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	09/17/2017 17:31	WG1018676
1,1,1-Trichloroethane	U		0.000323	0.00113	1	09/17/2017 17:31	WG1018676
1,1,2-Trichloroethane	U		0.000313	0.00113	1	09/17/2017 17:31	WG1018676
Trichloroethene	U		0.000315	0.00113	1	09/17/2017 17:31	WG1018676
Trichlorofluoromethane	U		0.000431	0.00564	1	09/17/2017 17:31	WG1018676
1,2,3-Trichloropropane	U		0.000836	0.00282	1	09/17/2017 17:31	WG1018676
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	09/17/2017 17:31	WG1018676
1,2,3-Trimethylbenzene	U	J4	0.000324	0.00113	1	09/17/2017 17:31	WG1018676
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	09/17/2017 17:31	WG1018676
Vinyl acetate	U		0.00270	0.0113	1	09/17/2017 17:31	WG1018676
Vinyl chloride	U		0.000328	0.00113	1	09/17/2017 17:31	WG1018676
Xylenes, Total	U		0.000787	0.00338	1	09/17/2017 17:31	WG1018676
(S) Toluene-d8	*102*			*80.0-120*		*09/17/2017 17:31*	WG1018676
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*09/17/2017 17:31*	WG1018676
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/17/2017 17:31*	WG1018676

Method Blank (MB)

(MB) R3249487-1 09/14/17 11:54

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

L935148-02 Original Sample (OS) • Duplicate (DUP)

(OS) L935148-02 09/14/17 11:54 • (DUP) R3249487-3 09/14/17 11:54

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.2	91.1	1	1.16		5

Laboratory Control Sample (LCS)

(LCS) R3249487-2 09/14/17 11:54

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) R3249488-1 09/14/17 12:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00120			

L935150-08 Original Sample (OS) • Duplicate (DUP)

(OS) L935150-08 09/14/17 12:11 • (DUP) R3249488-3 09/14/17 12:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	91.7	92.4	1	0.772		5

Laboratory Control Sample (LCS)

(LCS) R3249488-2 09/14/17 12:11

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

Method Blank (MB)

(MB) R3249104-3 09/12/17 11:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	0.0348	J	0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*98.3*			*77.0-120*

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

(LCS) R3249104-1 09/12/17 10:05 • (LCSD) R3249104-2 09/12/17 10:29

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	6.11	6.48	111	118	70.0-133			5.78	20
(S) a,a,a-Trifluorotoluene(FID)				*112*	*113*	*77.0-120*				

Method Blank (MB)

(MB) R3249874-3 09/09/17 20:20

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) R3249874-3 09/09/17 20:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*99.1*			*74.0-131*
(S) 4-Bromofluorobenzene	*92.4*			*64.0-132*

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

(LCS) R3249874-1 09/09/17 19:19 • (LCSD) R3249874-2 09/09/17 19:40

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	0.0776	0.0787	62.0	62.9	11.0-160			1.42	23
Acrylonitrile	0.125	0.100	0.0978	80.1	78.2	61.0-143			2.36	20
Benzene	0.0250	0.0204	0.0199	81.5	79.4	71.0-124			2.64	20
Bromobenzene	0.0250	0.0199	0.0195	79.6	78.1	78.0-120			1.82	20
Bromodichloromethane	0.0250	0.0212	0.0209	84.6	83.6	75.0-120			1.23	20
Bromoform	0.0250	0.0204	0.0212	81.5	85.0	65.0-133			4.20	20
Bromochloromethane	0.0250	0.0212	0.0203	85.0	81.3	80.0-121			4.44	20
Bromomethane	0.0250	0.0239	0.0234	95.5	93.4	26.0-160			2.14	20
n-Butylbenzene	0.0250	0.0213	0.0213	85.0	85.1	73.0-126			0.130	20
sec-Butylbenzene	0.0250	0.0204	0.0200	81.7	79.8	75.0-121			2.33	20
tert-Butylbenzene	0.0250	0.0201	0.0203	80.5	81.4	74.0-122			1.04	20
Carbon tetrachloride	0.0250	0.0203	0.0198	81.1	79.3	66.0-123			2.31	20
Carbon disulfide	0.0250	0.0224	0.0213	89.6	85.4	53.0-130			4.83	20
Chlorobenzene	0.0250	0.0228	0.0221	91.3	88.4	79.0-121			3.30	20
Chlorodibromomethane	0.0250	0.0217	0.0215	86.9	86.1	74.0-128			0.860	20
Chloroethane	0.0250	0.0232	0.0223	92.9	89.2	51.0-147			4.06	20
Chloroform	0.0250	0.0207	0.0203	83.0	81.0	73.0-123			2.40	20
Chloromethane	0.0250	0.0230	0.0221	92.1	88.3	51.0-138			4.22	20
2-Chlorotoluene	0.0250	0.0206	0.0202	82.3	80.8	72.0-124			1.80	20
4-Chlorotoluene	0.0250	0.0200	0.0200	80.1	79.9	78.0-120			0.220	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0196	0.0225	78.3	90.0	65.0-126			13.9	20
1,2-Dibromoethane	0.0250	0.0209	0.0212	83.7	84.9	78.0-122			1.40	20
Dibromomethane	0.0250	0.0207	0.0204	82.6	81.8	79.0-120			1.07	20
1,2-Dichlorobenzene	0.0250	0.0218	0.0217	87.1	86.9	80.0-120			0.270	20
1,3-Dichlorobenzene	0.0250	0.0220	0.0220	88.1	88.2	72.0-123			0.130	20
1,4-Dichlorobenzene	0.0250	0.0211	0.0207	84.2	82.8	77.0-120			1.76	20
Dichlorodifluoromethane	0.0250	0.0248	0.0237	99.2	95.0	49.0-155			4.38	20
trans-1,4-Dichloro-2-butene	0.0250	0.0210	0.0228	83.9	91.1	68.0-126			8.27	20
1,1-Dichloroethane	0.0250	0.0215	0.0207	86.0	83.0	70.0-128			3.57	20
1,2-Dichloroethane	0.0250	0.0215	0.0214	86.2	85.5	69.0-128			0.770	20
1,1-Dichloroethene	0.0250	0.0216	0.0207	86.5	82.6	63.0-131			4.57	20
cis-1,2-Dichloroethene	0.0250	0.0194	0.0181	77.5	72.3	74.0-123		J4	6.98	20
trans-1,2-Dichloroethene	0.0250	0.0190	0.0189	75.9	75.6	72.0-122			0.430	20
1,2-Dichloropropane	0.0250	0.0223	0.0221	89.3	88.3	75.0-126			1.13	20
1,1-Dichloropropene	0.0250	0.0207	0.0198	82.7	79.4	72.0-130			4.12	20
1,3-Dichloropropane	0.0250	0.0223	0.0225	89.3	90.0	80.0-121			0.810	20
cis-1,3-Dichloropropene	0.0250	0.0239	0.0233	95.4	93.3	80.0-125			2.24	20
trans-1,3-Dichloropropene	0.0250	0.0244	0.0243	97.6	97.2	75.0-129			0.400	20
2,2-Dichloropropane	0.0250	0.0210	0.0208	84.0	83.3	60.0-129			0.810	20
Di-isopropyl ether	0.0250	0.0202	0.0198	80.8	79.0	62.0-133			2.16	20

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

(LCS) R3249874-1 09/09/17 19:19 • (LCSD) R3249874-2 09/09/17 19:40

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	0.0211	0.0199	84.5	79.5	77.0-120			6.06	20
Hexachloro-1,3-butadiene	0.0250	0.0224	0.0235	89.6	93.9	68.0-128			4.73	20
2-Hexanone	0.125	0.0959	0.102	76.7	81.4	61.0-143			6.00	20
Isopropylbenzene	0.0250	0.0198	0.0192	79.2	76.7	75.0-120			3.26	20
n-Hexane	0.0250	0.0188	0.0181	75.1	72.3	57.0-125			3.78	20
Iodomethane	0.125	0.128	0.114	103	91.2	67.0-132			11.7	20
p-Isopropyltoluene	0.0250	0.0214	0.0214	85.8	85.7	74.0-125			0.100	20
2-Butanone (MEK)	0.125	0.0937	0.101	75.0	80.7	37.0-159			7.31	20
Methylene Chloride	0.0250	0.0191	0.0187	76.3	74.6	67.0-123			2.21	20
4-Methyl-2-pentanone (MIBK)	0.125	0.104	0.109	82.9	87.3	60.0-144			5.19	20
Methyl tert-butyl ether	0.0250	0.0190	0.0190	75.9	75.9	66.0-125			0.000	20
Naphthalene	0.0250	0.0190	0.0205	76.1	81.9	64.0-125			7.39	20
n-Propylbenzene	0.0250	0.0209	0.0203	83.6	81.3	78.0-120			2.77	20
Styrene	0.0250	0.0204	0.0202	81.7	80.7	78.0-124			1.21	20
1,1,1,2-Tetrachloroethane	0.0250	0.0208	0.0210	83.3	83.8	74.0-124			0.610	20
1,1,2,2-Tetrachloroethane	0.0250	0.0193	0.0198	77.1	79.3	73.0-120			2.79	20
Tetrachloroethene	0.0250	0.0238	0.0229	95.2	91.6	70.0-127			3.79	20
Toluene	0.0250	0.0203	0.0197	81.4	78.9	77.0-120			3.06	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0226	0.0208	90.5	83.4	64.0-135			8.20	20
1,2,3-Trichlorobenzene	0.0250	0.0219	0.0237	87.6	94.7	68.0-126			7.84	20
1,2,4-Trichlorobenzene	0.0250	0.0227	0.0242	90.7	96.8	70.0-127			6.50	20
1,1,1-Trichloroethane	0.0250	0.0204	0.0197	81.7	78.8	69.0-125			3.61	20
1,1,2-Trichloroethane	0.0250	0.0199	0.0201	79.4	80.3	78.0-120			1.03	20
Trichloroethene	0.0250	0.0218	0.0216	87.3	86.3	79.0-120			1.10	20
Trichlorofluoromethane	0.0250	0.0276	0.0273	111	109	59.0-136			1.36	20
1,2,3-Trichloropropane	0.0250	0.0183	0.0192	73.2	76.8	73.0-124			4.79	20
1,2,3-Trimethylbenzene	0.0250	0.0191	0.0185	76.4	73.9	76.0-120		J4	3.43	20
1,2,4-Trimethylbenzene	0.0250	0.0190	0.0190	76.0	75.8	75.0-120			0.180	20
1,3,5-Trimethylbenzene	0.0250	0.0200	0.0198	79.8	79.1	75.0-120			0.900	20
Vinyl chloride	0.0250	0.0267	0.0264	107	106	63.0-134			1.22	20
Xylenes, Total	0.0750	0.0619	0.0600	82.5	80.0	77.0-120			3.12	20
Vinyl acetate	0.125	0.117	0.119	93.4	95.4	58.0-156			2.06	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*95.4*	*94.1*	*74.0-131*				
(S) 4-Bromofluorobenzene				*90.0*	*89.7*	*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
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.

State Accreditations

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

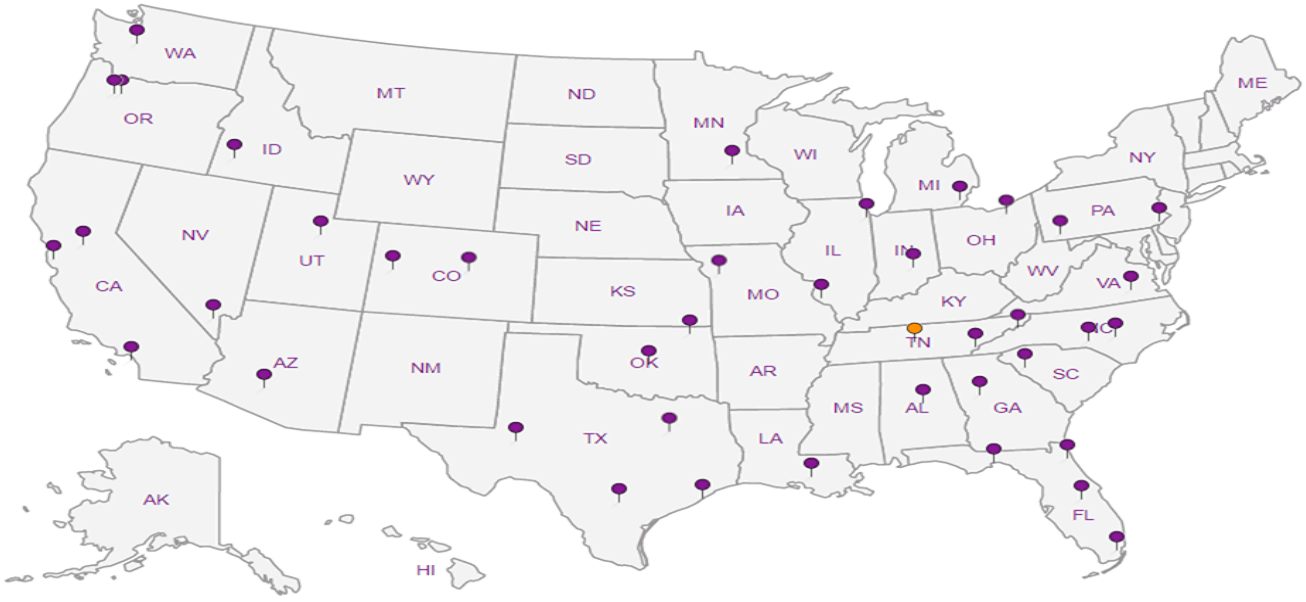
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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.**



COOLER 1

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

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): HANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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 #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	Remarks	Sample # (lab only)
B-214-15	GRAB	SS	15	9/7/17	1030	4	~~5~~	X	X		-01
B-214-25		SS	25		1055	4	~~5~~	X	X		-02
B-214-35		SS	35		1120	4	~~5~~	X	X		-03
B-214-45		SS	45		1150	4	~~5~~	X	X		-04
B-214-55		SS	55		1400	4	~~5~~	X	X		-05
B-212-15		SS	15	9/8/17	1010	5	X	X	X		-06
B-212-21		SS	21		1025	5	X	X	X		-07
B-212-35		SS	35		1045	5	X	X	X		-08
B-212-45		SS	45		1115	5	X	X	X		-09
B-212-55		SS	55		1145	5	X	X	X		-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# L935150

Table # B170

Acctnum: PESENVSWA

Template: T126584

Prelogin: P615998

TSR: 110 - Brian Ford

PB CM 8.31.17

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 # 7474 0927 0957

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: 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
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2-1 °C Bottles Received: 45 — If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/9/17 Time: 0845 — Hold: — Condition: NCF / OK

MEMORANDUM

TO: Project File **DATE:** October 13, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 7 and 8, 2017 – Soil Samples

LAB: ESC Lab ID L935150

Ten (10) soil samples were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 7 and 8, 2017. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology;
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L935150. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L935150 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 7 and 8, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.1 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils from the date of sample 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 soils from the date of sample collection. All holding time criteria were met.

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for trans-1,4-dichloro-2-butene and di-isopropyl ether associated with analytical batch WG1018676 (analyzed on September 9, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

NWTPH-Gx Method:

Laboratory method blanks were included with the analytical batch per method requirement. The target analyte (gasoline) was detected below the RDL of 0.100 mg/kg at a low level of 0.0348 mg/kg in the associated method blank and detections in associated samples are qualified as follows:

- **Gasoline result for sample B-212-35 was detected below the RDL and due to associated blank contamination is qualified as not detected (U).**

- **Gasoline results for samples B-212-45 and B-212-55 are qualified as estimated (J) due to blank contamination.**

Total Solids by SM 2540 G 2011:
Laboratory method blanks were included with the analytical batch 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:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate (sample B-212-45 from SDG L935150; and sample B-907-25 from SDG L935266) results are comparable and less than 30% RPD. Refer to SDG L935266 for additional discussion on analysis issues associated with sample B-907-25.

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 LCS/LCSDs or MS/MSDs results for precision data.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples B-214-25 and B-212-35. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

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

Laboratory Control Samples

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

- LCSD (Batch WG1018676) percent recovery for compounds cis-1,2-dichloroethene and 1,2,3-trimethylbenzene are slightly below laboratory criteria and qualified by the laboratory (J4). **All associated cis-1,2-dichloroethene and 1,2,3-trimethylbenzene results are estimated and qualified (UJ/J).**

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils.

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 not performed. Refer to LCS/LCSD results for precision and accuracy results.

NWTPH-Gx Method:
MS/MSD analyses were not performed. Refer to LCS/LCSD results for precision and accuracy results.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- *USEPA Method 8260C:* The method blank and LCS/LCSD for Batch WG1018676 were analyzed on September 9, 2017 and samples were analyzed September 17, 2017. ESC confirmed that the samples were analyzed on a different date than the method QC. ESC

indicated that the instrument was verified to be within calibration using the CCV and following standard operating procedures prior to analysis of the samples.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.3		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U		0.0107	0.0536	1	09/17/2017 14:13	WG1018676	
Acrylonitrile	U		0.00192	0.0107	1	09/17/2017 14:13	WG1018676	
Benzene	U		0.000290	0.00107	1	09/17/2017 14:13	WG1018676	
Bromobenzene	U		0.000305	0.00107	1	09/17/2017 14:13	WG1018676	
Bromodichloromethane	U		0.000272	0.00107	1	09/17/2017 14:13	WG1018676	
Bromochloromethane	U		0.000418	0.00536	1	09/17/2017 14:13	WG1018676	
Bromoform	U		0.000455	0.00107	1	09/17/2017 14:13	WG1018676	
Bromomethane	U		0.00144	0.00536	1	09/17/2017 14:13	WG1018676	
n-Butylbenzene	U		0.000277	0.00107	1	09/17/2017 14:13	WG1018676	
sec-Butylbenzene	U		0.000216	0.00107	1	09/17/2017 14:13	WG1018676	
tert-Butylbenzene	U		0.000221	0.00107	1	09/17/2017 14:13	WG1018676	
Carbon disulfide	0.000244 J	J	0.000237	0.00107	1	09/17/2017 14:13	WG1018676	
Carbon tetrachloride	U		0.000352	0.00107	1	09/17/2017 14:13	WG1018676	
Chlorobenzene	U		0.000227	0.00107	1	09/17/2017 14:13	WG1018676	
Chlorodibromomethane	U		0.000400	0.00107	1	09/17/2017 14:13	WG1018676	
Chloroethane	U		0.00101	0.00536	1	09/17/2017 14:13	WG1018676	
Chloroform	U		0.000246	0.00536	1	09/17/2017 14:13	WG1018676	
Chloromethane	U		0.000402	0.00268	1	09/17/2017 14:13	WG1018676	
2-Chlorotoluene	U		0.000323	0.00107	1	09/17/2017 14:13	WG1018676	
4-Chlorotoluene	U		0.000257	0.00107	1	09/17/2017 14:13	WG1018676	
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00536	1	09/17/2017 14:13	WG1018676	
1,2-Dibromoethane	U		0.000368	0.00107	1	09/17/2017 14:13	WG1018676	
Dibromomethane	U		0.000410	0.00107	1	09/17/2017 14:13	WG1018676	
1,2-Dichlorobenzene	U		0.000327	0.00107	1	09/17/2017 14:13	WG1018676	
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/17/2017 14:13	WG1018676	
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/17/2017 14:13	WG1018676	
Dichlorodifluoromethane	U		0.000765	0.00536	1	09/17/2017 14:13	WG1018676	
1,1-Dichloroethane	U		0.000213	0.00107	1	09/17/2017 14:13	WG1018676	
1,2-Dichloroethane	U		0.000284	0.00107	1	09/17/2017 14:13	WG1018676	
1,1-Dichloroethene	U		0.000325	0.00107	1	09/17/2017 14:13	WG1018676	
cis-1,2-Dichloroethene	U UJ	J4	0.000252	0.00107	1	09/17/2017 14:13	WG1018676	
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/17/2017 14:13	WG1018676	
1,2-Dichloropropane	U		0.000384	0.00107	1	09/17/2017 14:13	WG1018676	
1,1-Dichloropropene	U		0.000340	0.00107	1	09/17/2017 14:13	WG1018676	
1,3-Dichloropropane	U		0.000222	0.00107	1	09/17/2017 14:13	WG1018676	
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/17/2017 14:13	WG1018676	
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/17/2017 14:13	WG1018676	
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000834	0.00268	1	09/17/2017 14:13	WG1018676	
2,2-Dichloropropane	U		0.000299	0.00107	1	09/17/2017 14:13	WG1018676	
Di-isopropyl ether	U UJ	J0	0.000266	0.00107	1	09/17/2017 14:13	WG1018676	
Ethylbenzene	U		0.000318	0.00107	1	09/17/2017 14:13	WG1018676	
Hexachloro-1,3-butadiene	U		0.000367	0.00107	1	09/17/2017 14:13	WG1018676	
2-Hexanone	U		0.00147	0.0107	1	09/17/2017 14:13	WG1018676	
n-Hexane	U		0.000311	0.0107	1	09/17/2017 14:13	WG1018676	
Iodomethane	U		0.00271	0.0107	1	09/17/2017 14:13	WG1018676	
Isopropylbenzene	U		0.000261	0.00107	1	09/17/2017 14:13	WG1018676	
p-Isopropyltoluene	U		0.000219	0.00107	1	09/17/2017 14:13	WG1018676	
2-Butanone (MEK)	U		0.00502	0.0107	1	09/17/2017 14:13	WG1018676	
Methylene Chloride	U		0.00107	0.00536	1	09/17/2017 14:13	WG1018676	
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/17/2017 14:13	WG1018676	JC 10/13/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/17/2017 14:13	WG1018676
Naphthalene	U		0.00107	0.00536	1	09/17/2017 14:13	WG1018676
n-Propylbenzene	U		0.000221	0.00107	1	09/17/2017 14:13	WG1018676
Styrene	U		0.000251	0.00107	1	09/17/2017 14:13	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/17/2017 14:13	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/17/2017 14:13	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/17/2017 14:13	WG1018676
Tetrachloroethene	U		0.000296	0.00107	1	09/17/2017 14:13	WG1018676
Toluene	U		0.000465	0.00536	1	09/17/2017 14:13	WG1018676
1,2,3-Trichlorobenzene	U		0.000328	0.00107	1	09/17/2017 14:13	WG1018676
1,2,4-Trichlorobenzene	U		0.000416	0.00107	1	09/17/2017 14:13	WG1018676
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/17/2017 14:13	WG1018676
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/17/2017 14:13	WG1018676
Trichloroethene	U		0.000299	0.00107	1	09/17/2017 14:13	WG1018676
Trichlorofluoromethane	U		0.000410	0.00536	1	09/17/2017 14:13	WG1018676
1,2,3-Trichloropropane	U		0.000795	0.00268	1	09/17/2017 14:13	WG1018676
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/17/2017 14:13	WG1018676
1,2,3-Trimethylbenzene	U	UJ J4	0.000308	0.00107	1	09/17/2017 14:13	WG1018676
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/17/2017 14:13	WG1018676
Vinyl acetate	U		0.00256	0.0107	1	09/17/2017 14:13	WG1018676
Vinyl chloride	U		0.000312	0.00107	1	09/17/2017 14:13	WG1018676
Xylenes, Total	U		0.000748	0.00322	1	09/17/2017 14:13	WG1018676
(S) Toluene-d8	*101*			*80.0-120*		*09/17/2017 14:13*	WG1018676
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/17/2017 14:13*	WG1018676
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/17/2017 14:13*	WG1018676

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.6		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0106	0.0528	1	09/17/2017 14:54	WG1018676
Acrylonitrile	U		0.00189	0.0106	1	09/17/2017 14:54	WG1018676
Benzene	U		0.000285	0.00106	1	09/17/2017 14:54	WG1018676
Bromobenzene	U		0.000300	0.00106	1	09/17/2017 14:54	WG1018676
Bromodichloromethane	U		0.000268	0.00106	1	09/17/2017 14:54	WG1018676
Bromochloromethane	U		0.000412	0.00528	1	09/17/2017 14:54	WG1018676
Bromoform	U		0.000448	0.00106	1	09/17/2017 14:54	WG1018676
Bromomethane	U		0.00142	0.00528	1	09/17/2017 14:54	WG1018676
n-Butylbenzene	U		0.000273	0.00106	1	09/17/2017 14:54	WG1018676
sec-Butylbenzene	U		0.000212	0.00106	1	09/17/2017 14:54	WG1018676
tert-Butylbenzene	U		0.000218	0.00106	1	09/17/2017 14:54	WG1018676
Carbon disulfide	U		0.000234	0.00106	1	09/17/2017 14:54	WG1018676
Carbon tetrachloride	U		0.000347	0.00106	1	09/17/2017 14:54	WG1018676
Chlorobenzene	U		0.000224	0.00106	1	09/17/2017 14:54	WG1018676
Chlorodibromomethane	U		0.000394	0.00106	1	09/17/2017 14:54	WG1018676
Chloroethane	U		0.00100	0.00528	1	09/17/2017 14:54	WG1018676
Chloroform	U		0.000242	0.00528	1	09/17/2017 14:54	WG1018676
Chloromethane	U		0.000396	0.00264	1	09/17/2017 14:54	WG1018676
2-Chlorotoluene	U		0.000318	0.00106	1	09/17/2017 14:54	WG1018676
4-Chlorotoluene	U		0.000254	0.00106	1	09/17/2017 14:54	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00528	1	09/17/2017 14:54	WG1018676
1,2-Dibromoethane	U		0.000363	0.00106	1	09/17/2017 14:54	WG1018676
Dibromomethane	U		0.000404	0.00106	1	09/17/2017 14:54	WG1018676
1,2-Dichlorobenzene	U		0.000322	0.00106	1	09/17/2017 14:54	WG1018676
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/17/2017 14:54	WG1018676
1,4-Dichlorobenzene	U		0.000239	0.00106	1	09/17/2017 14:54	WG1018676
Dichlorodifluoromethane	U		0.000754	0.00528	1	09/17/2017 14:54	WG1018676
1,1-Dichloroethane	U		0.000210	0.00106	1	09/17/2017 14:54	WG1018676
1,2-Dichloroethane	U		0.000280	0.00106	1	09/17/2017 14:54	WG1018676
1,1-Dichloroethene	U		0.000320	0.00106	1	09/17/2017 14:54	WG1018676
cis-1,2-Dichloroethene	U	UJ J4	0.000248	0.00106	1	09/17/2017 14:54	WG1018676
trans-1,2-Dichloroethene	U		0.000279	0.00106	1	09/17/2017 14:54	WG1018676
1,2-Dichloropropane	U		0.000378	0.00106	1	09/17/2017 14:54	WG1018676
1,1-Dichloropropene	U		0.000335	0.00106	1	09/17/2017 14:54	WG1018676
1,3-Dichloropropane	U		0.000219	0.00106	1	09/17/2017 14:54	WG1018676
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	09/17/2017 14:54	WG1018676
trans-1,3-Dichloropropene	U		0.000282	0.00106	1	09/17/2017 14:54	WG1018676
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000822	0.00264	1	09/17/2017 14:54	WG1018676
2,2-Dichloropropane	U		0.000295	0.00106	1	09/17/2017 14:54	WG1018676
Di-isopropyl ether	U	UJ J0	0.000262	0.00106	1	09/17/2017 14:54	WG1018676
Ethylbenzene	U		0.000314	0.00106	1	09/17/2017 14:54	WG1018676
Hexachloro-1,3-butadiene	U		0.000361	0.00106	1	09/17/2017 14:54	WG1018676
2-Hexanone	U		0.00145	0.0106	1	09/17/2017 14:54	WG1018676
n-Hexane	0.000623	J J	0.000306	0.0106	1	09/17/2017 14:54	WG1018676
Iodomethane	U		0.00267	0.0106	1	09/17/2017 14:54	WG1018676
Isopropylbenzene	U		0.000257	0.00106	1	09/17/2017 14:54	WG1018676
p-Isopropyltoluene	U		0.000216	0.00106	1	09/17/2017 14:54	WG1018676
2-Butanone (MEK)	U		0.00495	0.0106	1	09/17/2017 14:54	WG1018676
Methylene Chloride	U		0.00106	0.00528	1	09/17/2017 14:54	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/17/2017 14:54	WG1018676

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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		0.000224	0.00106	1	09/17/2017 14:54	WG1018676
Naphthalene	U		0.00106	0.00528	1	09/17/2017 14:54	WG1018676
n-Propylbenzene	U		0.000218	0.00106	1	09/17/2017 14:54	WG1018676
Styrene	U		0.000247	0.00106	1	09/17/2017 14:54	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000279	0.00106	1	09/17/2017 14:54	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000386	0.00106	1	09/17/2017 14:54	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000386	0.00106	1	09/17/2017 14:54	WG1018676
Tetrachloroethene	U		0.000292	0.00106	1	09/17/2017 14:54	WG1018676
Toluene	U		0.000459	0.00528	1	09/17/2017 14:54	WG1018676
1,2,3-Trichlorobenzene	U		0.000323	0.00106	1	09/17/2017 14:54	WG1018676
1,2,4-Trichlorobenzene	U		0.000410	0.00106	1	09/17/2017 14:54	WG1018676
1,1,1-Trichloroethane	U		0.000302	0.00106	1	09/17/2017 14:54	WG1018676
1,1,2-Trichloroethane	U		0.000293	0.00106	1	09/17/2017 14:54	WG1018676
Trichloroethene	U		0.000295	0.00106	1	09/17/2017 14:54	WG1018676
Trichlorofluoromethane	U		0.000404	0.00528	1	09/17/2017 14:54	WG1018676
1,2,3-Trichloropropane	U		0.000783	0.00264	1	09/17/2017 14:54	WG1018676
1,2,4-Trimethylbenzene	U		0.000223	0.00106	1	09/17/2017 14:54	WG1018676
1,2,3-Trimethylbenzene	U	UJ J4	0.000303	0.00106	1	09/17/2017 14:54	WG1018676
1,3,5-Trimethylbenzene	U		0.000281	0.00106	1	09/17/2017 14:54	WG1018676
Vinyl acetate	U		0.00253	0.0106	1	09/17/2017 14:54	WG1018676
Vinyl chloride	U		0.000308	0.00106	1	09/17/2017 14:54	WG1018676
Xylenes, Total	U		0.000738	0.00317	1	09/17/2017 14:54	WG1018676
(S) Toluene-d8	*101*			*80.0-120*		*09/17/2017 14:54*	WG1018676
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/17/2017 14:54*	WG1018676
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/17/2017 14:54*	WG1018676

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0139 J	J J0	0.0109	0.0543	1	09/17/2017 15:13	WG1018676
Acrylonitrile	U		0.00194	0.0109	1	09/17/2017 15:13	WG1018676
Benzene	U		0.000293	0.00109	1	09/17/2017 15:13	WG1018676
Bromobenzene	U		0.000308	0.00109	1	09/17/2017 15:13	WG1018676
Bromodichloromethane	U		0.000276	0.00109	1	09/17/2017 15:13	WG1018676
Bromochloromethane	U		0.000423	0.00543	1	09/17/2017 15:13	WG1018676
Bromoform	U		0.000460	0.00109	1	09/17/2017 15:13	WG1018676
Bromomethane	U		0.00145	0.00543	1	09/17/2017 15:13	WG1018676
n-Butylbenzene	U		0.000280	0.00109	1	09/17/2017 15:13	WG1018676
sec-Butylbenzene	U		0.000218	0.00109	1	09/17/2017 15:13	WG1018676
tert-Butylbenzene	U		0.000224	0.00109	1	09/17/2017 15:13	WG1018676
Carbon disulfide	U		0.000240	0.00109	1	09/17/2017 15:13	WG1018676
Carbon tetrachloride	U		0.000356	0.00109	1	09/17/2017 15:13	WG1018676
Chlorobenzene	U		0.000230	0.00109	1	09/17/2017 15:13	WG1018676
Chlorodibromomethane	U		0.000405	0.00109	1	09/17/2017 15:13	WG1018676
Chloroethane	U		0.00103	0.00543	1	09/17/2017 15:13	WG1018676
Chloroform	U		0.000249	0.00543	1	09/17/2017 15:13	WG1018676
Chloromethane	U		0.000407	0.00271	1	09/17/2017 15:13	WG1018676
2-Chlorotoluene	U		0.000327	0.00109	1	09/17/2017 15:13	WG1018676
4-Chlorotoluene	U		0.000261	0.00109	1	09/17/2017 15:13	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00543	1	09/17/2017 15:13	WG1018676
1,2-Dibromoethane	U		0.000372	0.00109	1	09/17/2017 15:13	WG1018676
Dibromomethane	U		0.000415	0.00109	1	09/17/2017 15:13	WG1018676
1,2-Dichlorobenzene	U		0.000331	0.00109	1	09/17/2017 15:13	WG1018676
1,3-Dichlorobenzene	U		0.000260	0.00109	1	09/17/2017 15:13	WG1018676
1,4-Dichlorobenzene	U		0.000245	0.00109	1	09/17/2017 15:13	WG1018676
Dichlorodifluoromethane	U		0.000774	0.00543	1	09/17/2017 15:13	WG1018676
1,1-Dichloroethane	U		0.000216	0.00109	1	09/17/2017 15:13	WG1018676
1,2-Dichloroethane	U		0.000288	0.00109	1	09/17/2017 15:13	WG1018676
1,1-Dichloroethene	U		0.000329	0.00109	1	09/17/2017 15:13	WG1018676
cis-1,2-Dichloroethene	U	UJ J4	0.000255	0.00109	1	09/17/2017 15:13	WG1018676
trans-1,2-Dichloroethene	U		0.000287	0.00109	1	09/17/2017 15:13	WG1018676
1,2-Dichloropropane	U		0.000389	0.00109	1	09/17/2017 15:13	WG1018676
1,1-Dichloropropene	U		0.000344	0.00109	1	09/17/2017 15:13	WG1018676
1,3-Dichloropropane	U		0.000225	0.00109	1	09/17/2017 15:13	WG1018676
cis-1,3-Dichloropropene	U		0.000284	0.00109	1	09/17/2017 15:13	WG1018676
trans-1,3-Dichloropropene	U		0.000290	0.00109	1	09/17/2017 15:13	WG1018676
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000845	0.00271	1	09/17/2017 15:13	WG1018676
2,2-Dichloropropane	U		0.000303	0.00109	1	09/17/2017 15:13	WG1018676
Di-isopropyl ether	U	UJ J0	0.000269	0.00109	1	09/17/2017 15:13	WG1018676
Ethylbenzene	U		0.000322	0.00109	1	09/17/2017 15:13	WG1018676
Hexachloro-1,3-butadiene	U		0.000371	0.00109	1	09/17/2017 15:13	WG1018676
2-Hexanone	U		0.00149	0.0109	1	09/17/2017 15:13	WG1018676
n-Hexane	U		0.000315	0.0109	1	09/17/2017 15:13	WG1018676
Iodomethane	U		0.00275	0.0109	1	09/17/2017 15:13	WG1018676
Isopropylbenzene	U		0.000264	0.00109	1	09/17/2017 15:13	WG1018676
p-Isopropyltoluene	U		0.000222	0.00109	1	09/17/2017 15:13	WG1018676
2-Butanone (MEK)	U		0.00508	0.0109	1	09/17/2017 15:13	WG1018676
Methylene Chloride	U		0.00109	0.00543	1	09/17/2017 15:13	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0109	1	09/17/2017 15:13	WG1018676

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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	09/17/2017 15:13	WG1018676
Naphthalene	U		0.00109	0.00543	1	09/17/2017 15:13	WG1018676
n-Propylbenzene	U		0.000224	0.00109	1	09/17/2017 15:13	WG1018676
Styrene	U		0.000254	0.00109	1	09/17/2017 15:13	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000287	0.00109	1	09/17/2017 15:13	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000396	0.00109	1	09/17/2017 15:13	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00109	1	09/17/2017 15:13	WG1018676
Tetrachloroethene	U		0.000300	0.00109	1	09/17/2017 15:13	WG1018676
Toluene	U		0.000471	0.00543	1	09/17/2017 15:13	WG1018676
1,2,3-Trichlorobenzene	U		0.000332	0.00109	1	09/17/2017 15:13	WG1018676
1,2,4-Trichlorobenzene	U		0.000421	0.00109	1	09/17/2017 15:13	WG1018676
1,1,1-Trichloroethane	U		0.000311	0.00109	1	09/17/2017 15:13	WG1018676
1,1,2-Trichloroethane	U		0.000301	0.00109	1	09/17/2017 15:13	WG1018676
Trichloroethene	U		0.000303	0.00109	1	09/17/2017 15:13	WG1018676
Trichlorofluoromethane	U		0.000415	0.00543	1	09/17/2017 15:13	WG1018676
1,2,3-Trichloropropane	U		0.000805	0.00271	1	09/17/2017 15:13	WG1018676
1,2,4-Trimethylbenzene	U		0.000229	0.00109	1	09/17/2017 15:13	WG1018676
1,2,3-Trimethylbenzene	U	UJ J4	0.000312	0.00109	1	09/17/2017 15:13	WG1018676
1,3,5-Trimethylbenzene	U		0.000289	0.00109	1	09/17/2017 15:13	WG1018676
Vinyl acetate	U		0.00260	0.0109	1	09/17/2017 15:13	WG1018676
Vinyl chloride	U		0.000316	0.00109	1	09/17/2017 15:13	WG1018676
Xylenes, Total	U		0.000758	0.00326	1	09/17/2017 15:13	WG1018676
(S) Toluene-d8	*103*			*80.0-120*		*09/17/2017 15:13*	WG1018676
(S) Dibromofluoromethane	*95.1*			*74.0-131*		*09/17/2017 15:13*	WG1018676
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/17/2017 15:13*	WG1018676

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0202 J	J J0	0.0106	0.0532	1	09/17/2017 15:33	WG1018676
Acrylonitrile	U		0.00191	0.0106	1	09/17/2017 15:33	WG1018676
Benzene	U		0.000287	0.00106	1	09/17/2017 15:33	WG1018676
Bromobenzene	U		0.000302	0.00106	1	09/17/2017 15:33	WG1018676
Bromodichloromethane	U		0.000270	0.00106	1	09/17/2017 15:33	WG1018676
Bromochloromethane	U		0.000415	0.00532	1	09/17/2017 15:33	WG1018676
Bromoform	U		0.000451	0.00106	1	09/17/2017 15:33	WG1018676
Bromomethane	U		0.00143	0.00532	1	09/17/2017 15:33	WG1018676
n-Butylbenzene	U		0.000275	0.00106	1	09/17/2017 15:33	WG1018676
sec-Butylbenzene	U		0.000214	0.00106	1	09/17/2017 15:33	WG1018676
tert-Butylbenzene	U		0.000219	0.00106	1	09/17/2017 15:33	WG1018676
Carbon disulfide	0.000703 J	J	0.000235	0.00106	1	09/17/2017 15:33	WG1018676
Carbon tetrachloride	U		0.000349	0.00106	1	09/17/2017 15:33	WG1018676
Chlorobenzene	U		0.000226	0.00106	1	09/17/2017 15:33	WG1018676
Chlorodibromomethane	U		0.000397	0.00106	1	09/17/2017 15:33	WG1018676
Chloroethane	U		0.00101	0.00532	1	09/17/2017 15:33	WG1018676
Chloroform	U		0.000244	0.00532	1	09/17/2017 15:33	WG1018676
Chloromethane	U		0.000399	0.00266	1	09/17/2017 15:33	WG1018676
2-Chlorotoluene	U		0.000320	0.00106	1	09/17/2017 15:33	WG1018676
4-Chlorotoluene	U		0.000255	0.00106	1	09/17/2017 15:33	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00532	1	09/17/2017 15:33	WG1018676
1,2-Dibromoethane	U		0.000365	0.00106	1	09/17/2017 15:33	WG1018676
Dibromomethane	U		0.000407	0.00106	1	09/17/2017 15:33	WG1018676
1,2-Dichlorobenzene	U		0.000325	0.00106	1	09/17/2017 15:33	WG1018676
1,3-Dichlorobenzene	U		0.000254	0.00106	1	09/17/2017 15:33	WG1018676
1,4-Dichlorobenzene	U		0.000241	0.00106	1	09/17/2017 15:33	WG1018676
Dichlorodifluoromethane	U		0.000759	0.00532	1	09/17/2017 15:33	WG1018676
1,1-Dichloroethane	U		0.000212	0.00106	1	09/17/2017 15:33	WG1018676
1,2-Dichloroethane	U		0.000282	0.00106	1	09/17/2017 15:33	WG1018676
1,1-Dichloroethene	U		0.000322	0.00106	1	09/17/2017 15:33	WG1018676
cis-1,2-Dichloroethene	U UJ	J4	0.000250	0.00106	1	09/17/2017 15:33	WG1018676
trans-1,2-Dichloroethene	U		0.000281	0.00106	1	09/17/2017 15:33	WG1018676
1,2-Dichloropropane	U		0.000381	0.00106	1	09/17/2017 15:33	WG1018676
1,1-Dichloropropene	U		0.000337	0.00106	1	09/17/2017 15:33	WG1018676
1,3-Dichloropropane	U		0.000220	0.00106	1	09/17/2017 15:33	WG1018676
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	09/17/2017 15:33	WG1018676
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	09/17/2017 15:33	WG1018676
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000828	0.00266	1	09/17/2017 15:33	WG1018676
2,2-Dichloropropane	U		0.000297	0.00106	1	09/17/2017 15:33	WG1018676
Di-isopropyl ether	U UJ	J0	0.000264	0.00106	1	09/17/2017 15:33	WG1018676
Ethylbenzene	U		0.000316	0.00106	1	09/17/2017 15:33	WG1018676
Hexachloro-1,3-butadiene	U		0.000364	0.00106	1	09/17/2017 15:33	WG1018676
2-Hexanone	U		0.00146	0.0106	1	09/17/2017 15:33	WG1018676
n-Hexane	0.00110 J	J	0.000309	0.0106	1	09/17/2017 15:33	WG1018676
Iodomethane	U		0.00269	0.0106	1	09/17/2017 15:33	WG1018676
Isopropylbenzene	U		0.000259	0.00106	1	09/17/2017 15:33	WG1018676
p-Isopropyltoluene	U		0.000217	0.00106	1	09/17/2017 15:33	WG1018676
2-Butanone (MEK)	U		0.00498	0.0106	1	09/17/2017 15:33	WG1018676
Methylene Chloride	U		0.00106	0.00532	1	09/17/2017 15:33	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	09/17/2017 15:33	WG1018676

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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		0.000226	0.00106	1	09/17/2017 15:33	WG1018676
Naphthalene	U		0.00106	0.00532	1	09/17/2017 15:33	WG1018676
n-Propylbenzene	U		0.000219	0.00106	1	09/17/2017 15:33	WG1018676
Styrene	U		0.000249	0.00106	1	09/17/2017 15:33	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	09/17/2017 15:33	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	09/17/2017 15:33	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	09/17/2017 15:33	WG1018676
Tetrachloroethene	U		0.000294	0.00106	1	09/17/2017 15:33	WG1018676
Toluene	U		0.000462	0.00532	1	09/17/2017 15:33	WG1018676
1,2,3-Trichlorobenzene	U		0.000326	0.00106	1	09/17/2017 15:33	WG1018676
1,2,4-Trichlorobenzene	U		0.000413	0.00106	1	09/17/2017 15:33	WG1018676
1,1,1-Trichloroethane	U		0.000304	0.00106	1	09/17/2017 15:33	WG1018676
1,1,2-Trichloroethane	U		0.000295	0.00106	1	09/17/2017 15:33	WG1018676
Trichloroethene	U		0.000297	0.00106	1	09/17/2017 15:33	WG1018676
Trichlorofluoromethane	U		0.000407	0.00532	1	09/17/2017 15:33	WG1018676
1,2,3-Trichloropropane	U		0.000789	0.00266	1	09/17/2017 15:33	WG1018676
1,2,4-Trimethylbenzene	U		0.000225	0.00106	1	09/17/2017 15:33	WG1018676
1,2,3-Trimethylbenzene	U	UJ	J4 0.000305	0.00106	1	09/17/2017 15:33	WG1018676
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	09/17/2017 15:33	WG1018676
Vinyl acetate	U		0.00254	0.0106	1	09/17/2017 15:33	WG1018676
Vinyl chloride	U		0.000310	0.00106	1	09/17/2017 15:33	WG1018676
Xylenes, Total	U		0.000743	0.00319	1	09/17/2017 15:33	WG1018676
(S) Toluene-d8	*104*			*80.0-120*		*09/17/2017 15:33*	WG1018676
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*09/17/2017 15:33*	WG1018676
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/17/2017 15:33*	WG1018676

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	09/14/2017 11:54	WG1020007

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	0.0224 J	J J0	0.0111	0.0555	1	09/17/2017 15:53	WG1018676	
Acrylonitrile	U		0.00199	0.0111	1	09/17/2017 15:53	WG1018676	
Benzene	0.000343 J	J	0.000300	0.00111	1	09/17/2017 15:53	WG1018676	
Bromobenzene	U		0.000315	0.00111	1	09/17/2017 15:53	WG1018676	
Bromodichloromethane	U		0.000282	0.00111	1	09/17/2017 15:53	WG1018676	
Bromochloromethane	U		0.000433	0.00555	1	09/17/2017 15:53	WG1018676	
Bromoform	U		0.000471	0.00111	1	09/17/2017 15:53	WG1018676	
Bromomethane	U		0.00149	0.00555	1	09/17/2017 15:53	WG1018676	
n-Butylbenzene	U		0.000286	0.00111	1	09/17/2017 15:53	WG1018676	
sec-Butylbenzene	U		0.000223	0.00111	1	09/17/2017 15:53	WG1018676	
tert-Butylbenzene	U		0.000229	0.00111	1	09/17/2017 15:53	WG1018676	
Carbon disulfide	0.00159		0.000245	0.00111	1	09/17/2017 15:53	WG1018676	
Carbon tetrachloride	U		0.000364	0.00111	1	09/17/2017 15:53	WG1018676	
Chlorobenzene	U		0.000235	0.00111	1	09/17/2017 15:53	WG1018676	
Chlorodibromomethane	U		0.000414	0.00111	1	09/17/2017 15:53	WG1018676	
Chloroethane	U		0.00105	0.00555	1	09/17/2017 15:53	WG1018676	
Chloroform	U		0.000254	0.00555	1	09/17/2017 15:53	WG1018676	
Chloromethane	U		0.000416	0.00278	1	09/17/2017 15:53	WG1018676	
2-Chlorotoluene	U		0.000334	0.00111	1	09/17/2017 15:53	WG1018676	
4-Chlorotoluene	U		0.000267	0.00111	1	09/17/2017 15:53	WG1018676	
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	09/17/2017 15:53	WG1018676	
1,2-Dibromoethane	U		0.000381	0.00111	1	09/17/2017 15:53	WG1018676	
Dibromomethane	U		0.000424	0.00111	1	09/17/2017 15:53	WG1018676	
1,2-Dichlorobenzene	U		0.000339	0.00111	1	09/17/2017 15:53	WG1018676	
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/17/2017 15:53	WG1018676	
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/17/2017 15:53	WG1018676	
Dichlorodifluoromethane	U		0.000792	0.00555	1	09/17/2017 15:53	WG1018676	
1,1-Dichloroethane	U		0.000221	0.00111	1	09/17/2017 15:53	WG1018676	
1,2-Dichloroethane	U		0.000294	0.00111	1	09/17/2017 15:53	WG1018676	
1,1-Dichloroethene	U		0.000336	0.00111	1	09/17/2017 15:53	WG1018676	
cis-1,2-Dichloroethene	U	UJ J4	0.000261	0.00111	1	09/17/2017 15:53	WG1018676	
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/17/2017 15:53	WG1018676	
1,2-Dichloropropane	U		0.000398	0.00111	1	09/17/2017 15:53	WG1018676	
1,1-Dichloropropene	U		0.000352	0.00111	1	09/17/2017 15:53	WG1018676	
1,3-Dichloropropane	U		0.000230	0.00111	1	09/17/2017 15:53	WG1018676	
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	09/17/2017 15:53	WG1018676	
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/17/2017 15:53	WG1018676	
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000864	0.00278	1	09/17/2017 15:53	WG1018676	
2,2-Dichloropropane	U		0.000310	0.00111	1	09/17/2017 15:53	WG1018676	
Di-isopropyl ether	U	UJ J0	0.000275	0.00111	1	09/17/2017 15:53	WG1018676	
Ethylbenzene	U		0.000330	0.00111	1	09/17/2017 15:53	WG1018676	
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	09/17/2017 15:53	WG1018676	
2-Hexanone	U		0.00152	0.0111	1	09/17/2017 15:53	WG1018676	
n-Hexane	0.00245 J	J	0.000322	0.0111	1	09/17/2017 15:53	WG1018676	
Iodomethane	U		0.00281	0.0111	1	09/17/2017 15:53	WG1018676	
Isopropylbenzene	U		0.000270	0.00111	1	09/17/2017 15:53	WG1018676	
p-Isopropyltoluene	U		0.000227	0.00111	1	09/17/2017 15:53	WG1018676	
2-Butanone (MEK)	U		0.00520	0.0111	1	09/17/2017 15:53	WG1018676	
Methylene Chloride	U		0.00111	0.00555	1	09/17/2017 15:53	WG1018676	
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	09/17/2017 15:53	WG1018676	JC 10/13/17

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

Analyte	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	09/17/2017 15:53	WG1018676
Naphthalene	U		0.00111	0.00555	1	09/17/2017 15:53	WG1018676
n-Propylbenzene	U		0.000229	0.00111	1	09/17/2017 15:53	WG1018676
Styrene	U		0.000260	0.00111	1	09/17/2017 15:53	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/17/2017 15:53	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/17/2017 15:53	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/17/2017 15:53	WG1018676
Tetrachloroethene	U		0.000306	0.00111	1	09/17/2017 15:53	WG1018676
Toluene	U		0.000482	0.00555	1	09/17/2017 15:53	WG1018676
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	09/17/2017 15:53	WG1018676
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	09/17/2017 15:53	WG1018676
1,1,1-Trichloroethane	U		0.000318	0.00111	1	09/17/2017 15:53	WG1018676
1,1,2-Trichloroethane	U		0.000308	0.00111	1	09/17/2017 15:53	WG1018676
Trichloroethene	U		0.000310	0.00111	1	09/17/2017 15:53	WG1018676
Trichlorofluoromethane	U		0.000424	0.00555	1	09/17/2017 15:53	WG1018676
1,2,3-Trichloropropane	U		0.000823	0.00278	1	09/17/2017 15:53	WG1018676
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/17/2017 15:53	WG1018676
1,2,3-Trimethylbenzene	U	UJ J4	0.000319	0.00111	1	09/17/2017 15:53	WG1018676
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/17/2017 15:53	WG1018676
Vinyl acetate	U		0.00265	0.0111	1	09/17/2017 15:53	WG1018676
Vinyl chloride	U		0.000323	0.00111	1	09/17/2017 15:53	WG1018676
Xylenes, Total	U		0.000775	0.00333	1	09/17/2017 15:53	WG1018676
(S) Toluene-d8	*101*			*80.0-120*		*09/17/2017 15:53*	WG1018676
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/17/2017 15:53*	WG1018676
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/17/2017 15:53*	WG1018676

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	09/14/2017 11:54	WG1020007

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		0.977	2.88	25	09/14/2017 01:36	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-120*		*09/14/2017 01:36*	WG1018994

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

Analyte	Result (dry)		Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg			mg/kg	mg/kg		date / time	
Acetone	0.0129	J	J J0	0.0115	0.0576	1	09/17/2017 16:12	WG1018676
Acrylonitrile	U			0.00206	0.0115	1	09/17/2017 16:12	WG1018676
Benzene	U			0.000311	0.00115	1	09/17/2017 16:12	WG1018676
Bromobenzene	U			0.000327	0.00115	1	09/17/2017 16:12	WG1018676
Bromodichloromethane	U			0.000293	0.00115	1	09/17/2017 16:12	WG1018676
Bromochloromethane	U			0.000449	0.00576	1	09/17/2017 16:12	WG1018676
Bromoform	U			0.000488	0.00115	1	09/17/2017 16:12	WG1018676
Bromomethane	U			0.00154	0.00576	1	09/17/2017 16:12	WG1018676
n-Butylbenzene	U			0.000297	0.00115	1	09/17/2017 16:12	WG1018676
sec-Butylbenzene	U			0.000232	0.00115	1	09/17/2017 16:12	WG1018676
tert-Butylbenzene	U			0.000237	0.00115	1	09/17/2017 16:12	WG1018676
Carbon disulfide	U			0.000255	0.00115	1	09/17/2017 16:12	WG1018676
Carbon tetrachloride	U			0.000378	0.00115	1	09/17/2017 16:12	WG1018676
Chlorobenzene	U			0.000244	0.00115	1	09/17/2017 16:12	WG1018676
Chlorodibromomethane	U			0.000430	0.00115	1	09/17/2017 16:12	WG1018676
Chloroethane	U			0.00109	0.00576	1	09/17/2017 16:12	WG1018676
Chloroform	U			0.000264	0.00576	1	09/17/2017 16:12	WG1018676
Chloromethane	U			0.000432	0.00288	1	09/17/2017 16:12	WG1018676
2-Chlorotoluene	U			0.000347	0.00115	1	09/17/2017 16:12	WG1018676
4-Chlorotoluene	U			0.000276	0.00115	1	09/17/2017 16:12	WG1018676
1,2-Dibromo-3-Chloropropane	U			0.00121	0.00576	1	09/17/2017 16:12	WG1018676
1,2-Dibromoethane	U			0.000395	0.00115	1	09/17/2017 16:12	WG1018676
Dibromomethane	U			0.000440	0.00115	1	09/17/2017 16:12	WG1018676
1,2-Dichlorobenzene	U			0.000351	0.00115	1	09/17/2017 16:12	WG1018676
1,3-Dichlorobenzene	U			0.000275	0.00115	1	09/17/2017 16:12	WG1018676
1,4-Dichlorobenzene	U			0.000260	0.00115	1	09/17/2017 16:12	WG1018676
Dichlorodifluoromethane	U			0.000821	0.00576	1	09/17/2017 16:12	WG1018676
1,1-Dichloroethane	U			0.000229	0.00115	1	09/17/2017 16:12	WG1018676
1,2-Dichloroethane	U			0.000305	0.00115	1	09/17/2017 16:12	WG1018676
1,1-Dichloroethene	U			0.000349	0.00115	1	09/17/2017 16:12	WG1018676
cis-1,2-Dichloroethene	U	UJ	J4	0.000271	0.00115	1	09/17/2017 16:12	WG1018676
trans-1,2-Dichloroethene	U			0.000304	0.00115	1	09/17/2017 16:12	WG1018676
1,2-Dichloropropane	U			0.000412	0.00115	1	09/17/2017 16:12	WG1018676
1,1-Dichloropropene	U			0.000365	0.00115	1	09/17/2017 16:12	WG1018676
1,3-Dichloropropane	U			0.000238	0.00115	1	09/17/2017 16:12	WG1018676
cis-1,3-Dichloropropene	U			0.000302	0.00115	1	09/17/2017 16:12	WG1018676
trans-1,3-Dichloropropene	U			0.000308	0.00115	1	09/17/2017 16:12	WG1018676
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000896	0.00288	1	09/17/2017 16:12	WG1018676
2,2-Dichloropropane	U			0.000321	0.00115	1	09/17/2017 16:12	WG1018676
Di-isopropyl ether	U	UJ	J0	0.000286	0.00115	1	09/17/2017 16:12	WG1018676
Ethylbenzene	U			0.000342	0.00115	1	09/17/2017 16:12	WG1018676
Hexachloro-1,3-butadiene	U			0.000394	0.00115	1	09/17/2017 16:12	WG1018676
2-Hexanone	U			0.00158	0.0115	1	09/17/2017 16:12	WG1018676
n-Hexane	U			0.000334	0.0115	1	09/17/2017 16:12	WG1018676

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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		0.00291	0.0115	1	09/17/2017 16:12	WG1018676
Isopropylbenzene	U		0.000280	0.00115	1	09/17/2017 16:12	WG1018676
p-Isopropyltoluene	U		0.000235	0.00115	1	09/17/2017 16:12	WG1018676
2-Butanone (MEK)	U		0.00539	0.0115	1	09/17/2017 16:12	WG1018676
Methylene Chloride	U		0.00115	0.00576	1	09/17/2017 16:12	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	09/17/2017 16:12	WG1018676
Methyl tert-butyl ether	U		0.000244	0.00115	1	09/17/2017 16:12	WG1018676
Naphthalene	U		0.00115	0.00576	1	09/17/2017 16:12	WG1018676
n-Propylbenzene	U		0.000237	0.00115	1	09/17/2017 16:12	WG1018676
Styrene	U		0.000270	0.00115	1	09/17/2017 16:12	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	09/17/2017 16:12	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	09/17/2017 16:12	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	09/17/2017 16:12	WG1018676
Tetrachloroethene	U		0.000318	0.00115	1	09/17/2017 16:12	WG1018676
Toluene	U		0.000500	0.00576	1	09/17/2017 16:12	WG1018676
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	09/17/2017 16:12	WG1018676
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	09/17/2017 16:12	WG1018676
1,1,1-Trichloroethane	U		0.000329	0.00115	1	09/17/2017 16:12	WG1018676
1,1,2-Trichloroethane	U		0.000319	0.00115	1	09/17/2017 16:12	WG1018676
Trichloroethene	U		0.000321	0.00115	1	09/17/2017 16:12	WG1018676
Trichlorofluoromethane	U		0.000440	0.00576	1	09/17/2017 16:12	WG1018676
1,2,3-Trichloropropane	U		0.000853	0.00288	1	09/17/2017 16:12	WG1018676
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	09/17/2017 16:12	WG1018676
1,2,3-Trimethylbenzene	U	UJ	0.000331	0.00115	1	09/17/2017 16:12	WG1018676
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	09/17/2017 16:12	WG1018676
Vinyl acetate	U		0.00275	0.0115	1	09/17/2017 16:12	WG1018676
Vinyl chloride	U		0.000335	0.00115	1	09/17/2017 16:12	WG1018676
Xylenes, Total	U		0.000804	0.00346	1	09/17/2017 16:12	WG1018676
(S) Toluene-d8	*101*			*80.0-120*		*09/17/2017 16:12*	WG1018676
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/17/2017 16:12*	WG1018676
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/17/2017 16:12*	WG1018676

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	09/14/2017 11:54	WG1020007

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	63.0		0.881	2.60	25	09/14/2017 01:58	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*77.0-120*		*09/14/2017 01:58*	WG1018994

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0605 J	J0	0.0104	0.0519	1	09/17/2017 16:32	WG1018676
Acrylonitrile	U		0.00186	0.0104	1	09/17/2017 16:32	WG1018676
Benzene	0.000346 J	J	0.000281	0.00104	1	09/17/2017 16:32	WG1018676
Bromobenzene	U		0.000295	0.00104	1	09/17/2017 16:32	WG1018676
Bromodichloromethane	U		0.000264	0.00104	1	09/17/2017 16:32	WG1018676
Bromochloromethane	U		0.000405	0.00519	1	09/17/2017 16:32	WG1018676
Bromoform	U		0.000441	0.00104	1	09/17/2017 16:32	WG1018676
Bromomethane	U		0.00139	0.00519	1	09/17/2017 16:32	WG1018676
n-Butylbenzene	0.00372		0.000268	0.00104	1	09/17/2017 16:32	WG1018676
sec-Butylbenzene	0.00234		0.000209	0.00104	1	09/17/2017 16:32	WG1018676
tert-Butylbenzene	U		0.000214	0.00104	1	09/17/2017 16:32	WG1018676
Carbon disulfide	0.00174		0.000230	0.00104	1	09/17/2017 16:32	WG1018676
Carbon tetrachloride	U		0.000341	0.00104	1	09/17/2017 16:32	WG1018676
Chlorobenzene	U		0.000220	0.00104	1	09/17/2017 16:32	WG1018676
Chlorodibromomethane	U		0.000388	0.00104	1	09/17/2017 16:32	WG1018676
Chloroethane	U		0.000983	0.00519	1	09/17/2017 16:32	WG1018676
Chloroform	U		0.000238	0.00519	1	09/17/2017 16:32	WG1018676
Chloromethane	U		0.000390	0.00260	1	09/17/2017 16:32	WG1018676
2-Chlorotoluene	U		0.000313	0.00104	1	09/17/2017 16:32	WG1018676
4-Chlorotoluene	U		0.000249	0.00104	1	09/17/2017 16:32	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00109	0.00519	1	09/17/2017 16:32	WG1018676
1,2-Dibromoethane	U		0.000356	0.00104	1	09/17/2017 16:32	WG1018676
Dibromomethane	U		0.000397	0.00104	1	09/17/2017 16:32	WG1018676
1,2-Dichlorobenzene	U		0.000317	0.00104	1	09/17/2017 16:32	WG1018676
1,3-Dichlorobenzene	U		0.000248	0.00104	1	09/17/2017 16:32	WG1018676
1,4-Dichlorobenzene	U		0.000235	0.00104	1	09/17/2017 16:32	WG1018676
Dichlorodifluoromethane	U		0.000741	0.00519	1	09/17/2017 16:32	WG1018676
1,1-Dichloroethane	U		0.000207	0.00104	1	09/17/2017 16:32	WG1018676
1,2-Dichloroethane	U		0.000275	0.00104	1	09/17/2017 16:32	WG1018676
1,1-Dichloroethene	U		0.000315	0.00104	1	09/17/2017 16:32	WG1018676
cis-1,2-Dichloroethene	U UJ	J4	0.000244	0.00104	1	09/17/2017 16:32	WG1018676
trans-1,2-Dichloroethene	U		0.000274	0.00104	1	09/17/2017 16:32	WG1018676
1,2-Dichloropropane	U		0.000372	0.00104	1	09/17/2017 16:32	WG1018676
1,1-Dichloropropene	U		0.000329	0.00104	1	09/17/2017 16:32	WG1018676
1,3-Dichloropropane	U		0.000215	0.00104	1	09/17/2017 16:32	WG1018676
cis-1,3-Dichloropropene	U		0.000272	0.00104	1	09/17/2017 16:32	WG1018676
trans-1,3-Dichloropropene	U		0.000277	0.00104	1	09/17/2017 16:32	WG1018676
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000808	0.00260	1	09/17/2017 16:32	WG1018676
2,2-Dichloropropane	U		0.000290	0.00104	1	09/17/2017 16:32	WG1018676
Di-isopropyl ether	U UJ	J0	0.000258	0.00104	1	09/17/2017 16:32	WG1018676
Ethylbenzene	0.00103 J	J	0.000309	0.00104	1	09/17/2017 16:32	WG1018676
Hexachloro-1,3-butadiene	U		0.000355	0.00104	1	09/17/2017 16:32	WG1018676
2-Hexanone	U		0.00142	0.0104	1	09/17/2017 16:32	WG1018676
n-Hexane	U		0.000301	0.0104	1	09/17/2017 16:32	WG1018676

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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		0.00263	0.0104	1	09/17/2017 16:32	WG1018676
Isopropylbenzene	0.00134		0.000252	0.00104	1	09/17/2017 16:32	WG1018676
p-Isopropyltoluene	0.00256		0.000212	0.00104	1	09/17/2017 16:32	WG1018676
2-Butanone (MEK)	0.0148		0.00486	0.0104	1	09/17/2017 16:32	WG1018676
Methylene Chloride	U		0.00104	0.00519	1	09/17/2017 16:32	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00195	0.0104	1	09/17/2017 16:32	WG1018676
Methyl tert-butyl ether	U		0.000220	0.00104	1	09/17/2017 16:32	WG1018676
Naphthalene	0.0257		0.00104	0.00519	1	09/17/2017 16:32	WG1018676
n-Propylbenzene	0.00280		0.000214	0.00104	1	09/17/2017 16:32	WG1018676
Styrene	U		0.000243	0.00104	1	09/17/2017 16:32	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000274	0.00104	1	09/17/2017 16:32	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000379	0.00104	1	09/17/2017 16:32	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000379	0.00104	1	09/17/2017 16:32	WG1018676
Tetrachloroethene	0.000490 J	J	0.000287	0.00104	1	09/17/2017 16:32	WG1018676
Toluene	0.000649 J	J	0.000451	0.00519	1	09/17/2017 16:32	WG1018676
1,2,3-Trichlorobenzene	U		0.000318	0.00104	1	09/17/2017 16:32	WG1018676
1,2,4-Trichlorobenzene	U		0.000403	0.00104	1	09/17/2017 16:32	WG1018676
1,1,1-Trichloroethane	U		0.000297	0.00104	1	09/17/2017 16:32	WG1018676
1,1,2-Trichloroethane	U		0.000288	0.00104	1	09/17/2017 16:32	WG1018676
Trichloroethene	U		0.000290	0.00104	1	09/17/2017 16:32	WG1018676
Trichlorofluoromethane	U		0.000397	0.00519	1	09/17/2017 16:32	WG1018676
1,2,3-Trichloropropane	U		0.000770	0.00260	1	09/17/2017 16:32	WG1018676
1,2,4-Trimethylbenzene	0.0435		0.000219	0.00104	1	09/17/2017 16:32	WG1018676
1,2,3-Trimethylbenzene	0.0237 J	J4	0.000298	0.00104	1	09/17/2017 16:32	WG1018676
1,3,5-Trimethylbenzene	0.00931		0.000276	0.00104	1	09/17/2017 16:32	WG1018676
Vinyl acetate	U		0.00248	0.0104	1	09/17/2017 16:32	WG1018676
Vinyl chloride	U		0.000302	0.00104	1	09/17/2017 16:32	WG1018676
Xylenes, Total	0.0131		0.000725	0.00312	1	09/17/2017 16:32	WG1018676
(S) Toluene-d8	*102*			*80.0-120*		*09/17/2017 16:32*	WG1018676
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/17/2017 16:32*	WG1018676
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*09/17/2017 16:32*	WG1018676

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	91.7		1	09/14/2017 12:11	WG1020015

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg	mg/kg			
Gasoline Range Organics-NWTPH	1.98 U	B J	0.925	2.73	25	09/14/2017 02:20	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*77.0-120*		*09/14/2017 02:20*	WG1018994

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg	mg/kg			
Acetone	U		0.0109	0.0545	1	09/17/2017 16:51	WG1018676
Acrylonitrile	U		0.00195	0.0109	1	09/17/2017 16:51	WG1018676
Benzene	U		0.000294	0.00109	1	09/17/2017 16:51	WG1018676
Bromobenzene	U		0.000310	0.00109	1	09/17/2017 16:51	WG1018676
Bromodichloromethane	U		0.000277	0.00109	1	09/17/2017 16:51	WG1018676
Bromochloromethane	U		0.000425	0.00545	1	09/17/2017 16:51	WG1018676
Bromoform	U		0.000462	0.00109	1	09/17/2017 16:51	WG1018676
Bromomethane	U		0.00146	0.00545	1	09/17/2017 16:51	WG1018676
n-Butylbenzene	U		0.000281	0.00109	1	09/17/2017 16:51	WG1018676
sec-Butylbenzene	U		0.000219	0.00109	1	09/17/2017 16:51	WG1018676
tert-Butylbenzene	U		0.000225	0.00109	1	09/17/2017 16:51	WG1018676
Carbon disulfide	0.000626 J	J	0.000241	0.00109	1	09/17/2017 16:51	WG1018676
Carbon tetrachloride	U		0.000358	0.00109	1	09/17/2017 16:51	WG1018676
Chlorobenzene	U		0.000231	0.00109	1	09/17/2017 16:51	WG1018676
Chlorodibromomethane	U		0.000407	0.00109	1	09/17/2017 16:51	WG1018676
Chloroethane	U		0.00103	0.00545	1	09/17/2017 16:51	WG1018676
Chloroform	U		0.000250	0.00545	1	09/17/2017 16:51	WG1018676
Chloromethane	U		0.000409	0.00273	1	09/17/2017 16:51	WG1018676
2-Chlorotoluene	U		0.000328	0.00109	1	09/17/2017 16:51	WG1018676
4-Chlorotoluene	U		0.000262	0.00109	1	09/17/2017 16:51	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	09/17/2017 16:51	WG1018676
1,2-Dibromoethane	U		0.000374	0.00109	1	09/17/2017 16:51	WG1018676
Dibromomethane	U		0.000417	0.00109	1	09/17/2017 16:51	WG1018676
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/17/2017 16:51	WG1018676
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/17/2017 16:51	WG1018676
1,4-Dichlorobenzene	U		0.000246	0.00109	1	09/17/2017 16:51	WG1018676
Dichlorodifluoromethane	U		0.000778	0.00545	1	09/17/2017 16:51	WG1018676
1,1-Dichloroethane	U		0.000217	0.00109	1	09/17/2017 16:51	WG1018676
1,2-Dichloroethane	U		0.000289	0.00109	1	09/17/2017 16:51	WG1018676
1,1-Dichloroethene	U		0.000330	0.00109	1	09/17/2017 16:51	WG1018676
cis-1,2-Dichloroethene	U UJ	J4	0.000256	0.00109	1	09/17/2017 16:51	WG1018676
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/17/2017 16:51	WG1018676
1,2-Dichloropropane	U		0.000390	0.00109	1	09/17/2017 16:51	WG1018676
1,1-Dichloropropene	U		0.000346	0.00109	1	09/17/2017 16:51	WG1018676
1,3-Dichloropropane	U		0.000226	0.00109	1	09/17/2017 16:51	WG1018676
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/17/2017 16:51	WG1018676
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/17/2017 16:51	WG1018676
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000848	0.00273	1	09/17/2017 16:51	WG1018676
2,2-Dichloropropane	U		0.000304	0.00109	1	09/17/2017 16:51	WG1018676
Di-isopropyl ether	U UJ	J0	0.000270	0.00109	1	09/17/2017 16:51	WG1018676
Ethylbenzene	U		0.000324	0.00109	1	09/17/2017 16:51	WG1018676
Hexachloro-1,3-butadiene	U		0.000373	0.00109	1	09/17/2017 16:51	WG1018676
2-Hexanone	U		0.00149	0.0109	1	09/17/2017 16:51	WG1018676
n-Hexane	0.00122 J	J	0.000316	0.0109	1	09/17/2017 16:51	WG1018676

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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		0.00276	0.0109	1	09/17/2017 16:51	WG1018676
Isopropylbenzene	U		0.000265	0.00109	1	09/17/2017 16:51	WG1018676
p-Isopropyltoluene	U		0.000222	0.00109	1	09/17/2017 16:51	WG1018676
2-Butanone (MEK)	U		0.00510	0.0109	1	09/17/2017 16:51	WG1018676
Methylene Chloride	U		0.00109	0.00545	1	09/17/2017 16:51	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/17/2017 16:51	WG1018676
Methyl tert-butyl ether	U		0.000231	0.00109	1	09/17/2017 16:51	WG1018676
Naphthalene	U		0.00109	0.00545	1	09/17/2017 16:51	WG1018676
n-Propylbenzene	U		0.000225	0.00109	1	09/17/2017 16:51	WG1018676
Styrene	U		0.000255	0.00109	1	09/17/2017 16:51	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	09/17/2017 16:51	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	09/17/2017 16:51	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	09/17/2017 16:51	WG1018676
Tetrachloroethene	0.000955	J J	0.000301	0.00109	1	09/17/2017 16:51	WG1018676
Toluene	U		0.000473	0.00545	1	09/17/2017 16:51	WG1018676
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	09/17/2017 16:51	WG1018676
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	09/17/2017 16:51	WG1018676
1,1,1-Trichloroethane	U		0.000312	0.00109	1	09/17/2017 16:51	WG1018676
1,1,2-Trichloroethane	U		0.000302	0.00109	1	09/17/2017 16:51	WG1018676
Trichloroethene	U		0.000304	0.00109	1	09/17/2017 16:51	WG1018676
Trichlorofluoromethane	U		0.000417	0.00545	1	09/17/2017 16:51	WG1018676
1,2,3-Trichloropropane	U		0.000808	0.00273	1	09/17/2017 16:51	WG1018676
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/17/2017 16:51	WG1018676
1,2,3-Trimethylbenzene	U	UJ J4	0.000313	0.00109	1	09/17/2017 16:51	WG1018676
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/17/2017 16:51	WG1018676
Vinyl acetate	U		0.00261	0.0109	1	09/17/2017 16:51	WG1018676
Vinyl chloride	U		0.000317	0.00109	1	09/17/2017 16:51	WG1018676
Xylenes, Total	U		0.000761	0.00327	1	09/17/2017 16:51	WG1018676
(S) Toluene-d8	*103*			*80.0-120*		*09/17/2017 16:51*	WG1018676
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*09/17/2017 16:51*	WG1018676
(S) 4-Bromofluorobenzene	*97.9*			*64.0-132*		*09/17/2017 16:51*	WG1018676

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	09/14/2017 12:11	WG1020015

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.81 J	B	0.887	2.62	25	09/14/2017 02:43	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*92.5*			*77.0-120*		*09/14/2017 02:43*	WG1018994

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0221 J	J J0	0.0105	0.0523	1	09/17/2017 17:11	WG1018676
Acrylonitrile	U		0.00187	0.0105	1	09/17/2017 17:11	WG1018676
Benzene	0.000303 J	J	0.000282	0.00105	1	09/17/2017 17:11	WG1018676
Bromobenzene	U		0.000297	0.00105	1	09/17/2017 17:11	WG1018676
Bromodichloromethane	U		0.000266	0.00105	1	09/17/2017 17:11	WG1018676
Bromochloromethane	U		0.000408	0.00523	1	09/17/2017 17:11	WG1018676
Bromoform	U		0.000444	0.00105	1	09/17/2017 17:11	WG1018676
Bromomethane	U		0.00140	0.00523	1	09/17/2017 17:11	WG1018676
n-Butylbenzene	U		0.000270	0.00105	1	09/17/2017 17:11	WG1018676
sec-Butylbenzene	U		0.000210	0.00105	1	09/17/2017 17:11	WG1018676
tert-Butylbenzene	U		0.000216	0.00105	1	09/17/2017 17:11	WG1018676
Carbon disulfide	0.00195		0.000231	0.00105	1	09/17/2017 17:11	WG1018676
Carbon tetrachloride	U		0.000343	0.00105	1	09/17/2017 17:11	WG1018676
Chlorobenzene	U		0.000222	0.00105	1	09/17/2017 17:11	WG1018676
Chlorodibromomethane	U		0.000390	0.00105	1	09/17/2017 17:11	WG1018676
Chloroethane	U		0.000990	0.00523	1	09/17/2017 17:11	WG1018676
Chloroform	U		0.000240	0.00523	1	09/17/2017 17:11	WG1018676
Chloromethane	U		0.000392	0.00262	1	09/17/2017 17:11	WG1018676
2-Chlorotoluene	U		0.000315	0.00105	1	09/17/2017 17:11	WG1018676
4-Chlorotoluene	U		0.000251	0.00105	1	09/17/2017 17:11	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00110	0.00523	1	09/17/2017 17:11	WG1018676
1,2-Dibromoethane	U		0.000359	0.00105	1	09/17/2017 17:11	WG1018676
Dibromomethane	U		0.000400	0.00105	1	09/17/2017 17:11	WG1018676
1,2-Dichlorobenzene	U		0.000319	0.00105	1	09/17/2017 17:11	WG1018676
1,3-Dichlorobenzene	U		0.000250	0.00105	1	09/17/2017 17:11	WG1018676
1,4-Dichlorobenzene	U		0.000236	0.00105	1	09/17/2017 17:11	WG1018676
Dichlorodifluoromethane	U		0.000746	0.00523	1	09/17/2017 17:11	WG1018676
1,1-Dichloroethane	U		0.000208	0.00105	1	09/17/2017 17:11	WG1018676
1,2-Dichloroethane	U		0.000277	0.00105	1	09/17/2017 17:11	WG1018676
1,1-Dichloroethene	U		0.000317	0.00105	1	09/17/2017 17:11	WG1018676
cis-1,2-Dichloroethene	U UJ	J4	0.000246	0.00105	1	09/17/2017 17:11	WG1018676
trans-1,2-Dichloroethene	U		0.000276	0.00105	1	09/17/2017 17:11	WG1018676
1,2-Dichloropropane	U		0.000375	0.00105	1	09/17/2017 17:11	WG1018676
1,1-Dichloropropene	U		0.000332	0.00105	1	09/17/2017 17:11	WG1018676
1,3-Dichloropropane	U		0.000217	0.00105	1	09/17/2017 17:11	WG1018676
cis-1,3-Dichloropropene	U		0.000274	0.00105	1	09/17/2017 17:11	WG1018676
trans-1,3-Dichloropropene	U		0.000279	0.00105	1	09/17/2017 17:11	WG1018676
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000814	0.00262	1	09/17/2017 17:11	WG1018676
2,2-Dichloropropane	U		0.000292	0.00105	1	09/17/2017 17:11	WG1018676
Di-isopropyl ether	U UJ	J0	0.000259	0.00105	1	09/17/2017 17:11	WG1018676
Ethylbenzene	U		0.000311	0.00105	1	09/17/2017 17:11	WG1018676
Hexachloro-1,3-butadiene	U		0.000358	0.00105	1	09/17/2017 17:11	WG1018676
2-Hexanone	U		0.00143	0.0105	1	09/17/2017 17:11	WG1018676
n-Hexane	0.0126		0.000303	0.0105	1	09/17/2017 17:11	WG1018676

JC 10/13/17

Volatile Organic Compounds (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		0.00265	0.0105	1	09/17/2017 17:11	WG1018676
Isopropylbenzene	U		0.000254	0.00105	1	09/17/2017 17:11	WG1018676
p-Isopropyltoluene	U		0.000213	0.00105	1	09/17/2017 17:11	WG1018676
2-Butanone (MEK)	0.00512	J J	0.00490	0.0105	1	09/17/2017 17:11	WG1018676
Methylene Chloride	U		0.00105	0.00523	1	09/17/2017 17:11	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00197	0.0105	1	09/17/2017 17:11	WG1018676
Methyl tert-butyl ether	U		0.000222	0.00105	1	09/17/2017 17:11	WG1018676
Naphthalene	U		0.00105	0.00523	1	09/17/2017 17:11	WG1018676
n-Propylbenzene	U		0.000216	0.00105	1	09/17/2017 17:11	WG1018676
Styrene	U		0.000245	0.00105	1	09/17/2017 17:11	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000276	0.00105	1	09/17/2017 17:11	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000382	0.00105	1	09/17/2017 17:11	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000382	0.00105	1	09/17/2017 17:11	WG1018676
Tetrachloroethene	U		0.000289	0.00105	1	09/17/2017 17:11	WG1018676
Toluene	U		0.000454	0.00523	1	09/17/2017 17:11	WG1018676
1,2,3-Trichlorobenzene	U		0.000320	0.00105	1	09/17/2017 17:11	WG1018676
1,2,4-Trichlorobenzene	U		0.000406	0.00105	1	09/17/2017 17:11	WG1018676
1,1,1-Trichloroethane	U		0.000299	0.00105	1	09/17/2017 17:11	WG1018676
1,1,2-Trichloroethane	U		0.000290	0.00105	1	09/17/2017 17:11	WG1018676
Trichloroethene	U		0.000292	0.00105	1	09/17/2017 17:11	WG1018676
Trichlorofluoromethane	U		0.000400	0.00523	1	09/17/2017 17:11	WG1018676
1,2,3-Trichloropropane	U		0.000775	0.00262	1	09/17/2017 17:11	WG1018676
1,2,4-Trimethylbenzene	U		0.000221	0.00105	1	09/17/2017 17:11	WG1018676
1,2,3-Trimethylbenzene	U	UJ J4	0.000300	0.00105	1	09/17/2017 17:11	WG1018676
1,3,5-Trimethylbenzene	U		0.000278	0.00105	1	09/17/2017 17:11	WG1018676
Vinyl acetate	U		0.00250	0.0105	1	09/17/2017 17:11	WG1018676
Vinyl chloride	U		0.000304	0.00105	1	09/17/2017 17:11	WG1018676
Xylenes, Total	U		0.000730	0.00314	1	09/17/2017 17:11	WG1018676
(S) Toluene-d8	*104*			*80.0-120*		*09/17/2017 17:11*	WG1018676
(S) Dibromofluoromethane	*96.2*			*74.0-131*		*09/17/2017 17:11*	WG1018676
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/17/2017 17:11*	WG1018676

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	09/14/2017 12:11	WG1020015

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	3.40 J	B	0.957	2.82	25	09/12/2017 19:46	WG1018994
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*09/12/2017 19:46*	WG1018994

Volatile Organic Compounds (GC/MS) 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	09/17/2017 17:31	WG1018676
Acrylonitrile	U		0.00202	0.0113	1	09/17/2017 17:31	WG1018676
Benzene	U		0.000305	0.00113	1	09/17/2017 17:31	WG1018676
Bromobenzene	U		0.000320	0.00113	1	09/17/2017 17:31	WG1018676
Bromodichloromethane	U		0.000287	0.00113	1	09/17/2017 17:31	WG1018676
Bromochloromethane	U		0.000440	0.00564	1	09/17/2017 17:31	WG1018676
Bromoform	U		0.000478	0.00113	1	09/17/2017 17:31	WG1018676
Bromomethane	U		0.00151	0.00564	1	09/17/2017 17:31	WG1018676
n-Butylbenzene	U		0.000291	0.00113	1	09/17/2017 17:31	WG1018676
sec-Butylbenzene	U		0.000227	0.00113	1	09/17/2017 17:31	WG1018676
tert-Butylbenzene	U		0.000232	0.00113	1	09/17/2017 17:31	WG1018676
Carbon disulfide	0.000278 J	J	0.000249	0.00113	1	09/17/2017 17:31	WG1018676
Carbon tetrachloride	U		0.000370	0.00113	1	09/17/2017 17:31	WG1018676
Chlorobenzene	U		0.000239	0.00113	1	09/17/2017 17:31	WG1018676
Chlorodibromomethane	U		0.000421	0.00113	1	09/17/2017 17:31	WG1018676
Chloroethane	U		0.00107	0.00564	1	09/17/2017 17:31	WG1018676
Chloroform	U		0.000258	0.00564	1	09/17/2017 17:31	WG1018676
Chloromethane	U		0.000423	0.00282	1	09/17/2017 17:31	WG1018676
2-Chlorotoluene	U		0.000340	0.00113	1	09/17/2017 17:31	WG1018676
4-Chlorotoluene	U		0.000271	0.00113	1	09/17/2017 17:31	WG1018676
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	09/17/2017 17:31	WG1018676
1,2-Dibromoethane	U		0.000387	0.00113	1	09/17/2017 17:31	WG1018676
Dibromomethane	U		0.000431	0.00113	1	09/17/2017 17:31	WG1018676
1,2-Dichlorobenzene	U		0.000344	0.00113	1	09/17/2017 17:31	WG1018676
1,3-Dichlorobenzene	U		0.000270	0.00113	1	09/17/2017 17:31	WG1018676
1,4-Dichlorobenzene	U		0.000255	0.00113	1	09/17/2017 17:31	WG1018676
Dichlorodifluoromethane	U		0.000804	0.00564	1	09/17/2017 17:31	WG1018676
1,1-Dichloroethane	U		0.000225	0.00113	1	09/17/2017 17:31	WG1018676
1,2-Dichloroethane	U		0.000299	0.00113	1	09/17/2017 17:31	WG1018676
1,1-Dichloroethene	U		0.000342	0.00113	1	09/17/2017 17:31	WG1018676
cis-1,2-Dichloroethene	U UJ	J4	0.000265	0.00113	1	09/17/2017 17:31	WG1018676
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	09/17/2017 17:31	WG1018676
1,2-Dichloropropane	U		0.000404	0.00113	1	09/17/2017 17:31	WG1018676
1,1-Dichloropropene	U		0.000358	0.00113	1	09/17/2017 17:31	WG1018676
1,3-Dichloropropane	U		0.000234	0.00113	1	09/17/2017 17:31	WG1018676
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	09/17/2017 17:31	WG1018676
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	09/17/2017 17:31	WG1018676
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000878	0.00282	1	09/17/2017 17:31	WG1018676
2,2-Dichloropropane	U		0.000315	0.00113	1	09/17/2017 17:31	WG1018676
Di-isopropyl ether	U UJ	J0	0.000280	0.00113	1	09/17/2017 17:31	WG1018676
Ethylbenzene	U		0.000335	0.00113	1	09/17/2017 17:31	WG1018676
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	09/17/2017 17:31	WG1018676
2-Hexanone	U		0.00155	0.0113	1	09/17/2017 17:31	WG1018676
n-Hexane	U		0.000327	0.0113	1	09/17/2017 17:31	WG1018676

JC 10/13/17

Volatile Organic Compounds (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		0.00285	0.0113	1	09/17/2017 17:31	WG1018676
Isopropylbenzene	U		0.000274	0.00113	1	09/17/2017 17:31	WG1018676
p-Isopropyltoluene	U		0.000230	0.00113	1	09/17/2017 17:31	WG1018676
2-Butanone (MEK)	U		0.00528	0.0113	1	09/17/2017 17:31	WG1018676
Methylene Chloride	U		0.00113	0.00564	1	09/17/2017 17:31	WG1018676
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	09/17/2017 17:31	WG1018676
Methyl tert-butyl ether	U		0.000239	0.00113	1	09/17/2017 17:31	WG1018676
Naphthalene	U		0.00113	0.00564	1	09/17/2017 17:31	WG1018676
n-Propylbenzene	U		0.000232	0.00113	1	09/17/2017 17:31	WG1018676
Styrene	U		0.000264	0.00113	1	09/17/2017 17:31	WG1018676
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	09/17/2017 17:31	WG1018676
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	09/17/2017 17:31	WG1018676
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	09/17/2017 17:31	WG1018676
Tetrachloroethene	U		0.000311	0.00113	1	09/17/2017 17:31	WG1018676
Toluene	U		0.000490	0.00564	1	09/17/2017 17:31	WG1018676
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	09/17/2017 17:31	WG1018676
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	09/17/2017 17:31	WG1018676
1,1,1-Trichloroethane	U		0.000323	0.00113	1	09/17/2017 17:31	WG1018676
1,1,2-Trichloroethane	U		0.000313	0.00113	1	09/17/2017 17:31	WG1018676
Trichloroethene	U		0.000315	0.00113	1	09/17/2017 17:31	WG1018676
Trichlorofluoromethane	U		0.000431	0.00564	1	09/17/2017 17:31	WG1018676
1,2,3-Trichloropropane	U		0.000836	0.00282	1	09/17/2017 17:31	WG1018676
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	09/17/2017 17:31	WG1018676
1,2,3-Trimethylbenzene	U	UJ J4	0.000324	0.00113	1	09/17/2017 17:31	WG1018676
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	09/17/2017 17:31	WG1018676
Vinyl acetate	U		0.00270	0.0113	1	09/17/2017 17:31	WG1018676
Vinyl chloride	U		0.000328	0.00113	1	09/17/2017 17:31	WG1018676
Xylenes, Total	U		0.000787	0.00338	1	09/17/2017 17:31	WG1018676
(S) Toluene-d8	*102*			*80.0-120*		*09/17/2017 17:31*	WG1018676
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*09/17/2017 17:31*	WG1018676
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/17/2017 17:31*	WG1018676

JC 10/13/17

Bill Haldeman

From: J Compeau <Informa_LLC@comcast.net>
Sent: Monday, October 16, 2017 9:22 AM
To: Bill Haldeman
Subject: FW: American Linen Project SDG L935150

Communication regarding L935150.

From: Brian Ford [mailto:BFord@esclabsciences.com]
Sent: Friday, October 13, 2017 3:30 PM
To: 'J Compeau'
Subject: RE: American Linen Project SDG L935150

Jessie,

The samples ran on a different day than the method QC. The instrument was verified to be within calibration using the CCV prior to analysis of the samples. Let me know if you need any further information.

Thanks,

Brian Ford
Technical Service Representative

ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772 | Cell 931.510.2229
bford@esclabsciences.com | www.esclabsciences.com

From: J Compeau [mailto:Informa_LLC@comcast.net]
Sent: Friday, October 13, 2017 1:45 PM
To: Brian Ford
Subject: American Linen Project SDG L935150

Hello Brian,
Reports look good so far. I have about 9 left to review. Am looking over the SDG L935150 results and have the following question:

USEPA Method 8260C: The method blank/LCS/LCSD for WG1018676 was analyzed on September 9, 2017 but samples were analyzed September 17, 2017. Can ESC please confirm the date of analysis on the MB/LCS/LCSD?

Thanks

Jessie Compeau
PES Environmental
(206) 849-8494

you have received this in error, please contact the sender immediately via reply email and immediately delete the message and any attachments without copying or disclosing the contents. Thank you.

ANALYTICAL REPORT

September 20, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L935266
Samples Received:	09/09/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	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.

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B-212-65 L935266-01 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 12:30 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020726	1	09/15/17 09:38	09/15/17 09:48	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1020338	25	09/08/17 12:30	09/14/17 16:13	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1019379	1	09/08/17 12:30	09/12/17 21:19	ACG

B-212-75 L935266-02 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 13:50 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020726	1	09/15/17 09:38	09/15/17 09:48	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1020338	26.75	09/08/17 13:50	09/14/17 16:35	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1019379	1	09/08/17 13:50	09/12/17 21:41	ACG

B-214-65 L935266-03 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 10:30 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020385	1	09/14/17 13:15	09/14/17 13:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1019379	1	09/08/17 10:30	09/12/17 22:03	ACG

B-214-75 L935266-04 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 11:10 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020385	1	09/14/17 13:15	09/14/17 13:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1019379	1	09/08/17 11:10	09/18/17 13:29	JHH

B-214-85 L935266-05 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 11:55 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020385	1	09/14/17 13:15	09/14/17 13:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1019379	1	09/08/17 11:55	09/18/17 13:49	JHH

B-908-100 L935266-06 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 12:30 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020385	1	09/14/17 13:15	09/14/17 13:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1019379	1	09/08/17 12:30	09/18/17 14:08	JHH

B-214-95 L935266-07 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 13:10 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020385	1	09/14/17 13:15	09/14/17 13:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1019379	1	09/08/17 13:10	09/18/17 14:28	JHH

B-214-105 L935266-08 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 14:00 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020385	1	09/14/17 13:15	09/14/17 13:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/08/17 14:00	09/14/17 15:13	ACG

B-907-25 L935266-09 Solid

Collected by: Shannon McKernan | Collected date/time: 09/08/17 08:30 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1020730	1	09/15/17 10:52	09/15/17 11:14	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1020338	25	09/08/17 08:30	09/14/17 16:57	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	25	09/08/17 08:30	09/18/17 15:41	JHH

TRIP BLANK-090817 L935266-10 GW

Collected by: Shannon McKernan | Collected date/time: 09/08/17 00:00 | Received date/time: 09/09/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1019184	1	09/12/17 13:44	09/12/17 13:44	LRL

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	86.2		1	09/15/2017 09:48	WG1020726

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	1.29	B J	0.984	2.90	25	09/14/2017 16:13	WG1020338
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*77.0-120*		*09/14/2017 16:13*	WG1020338

Volatile Organic Compounds (GC/MS) 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 J3	0.0116	0.0580	1	09/12/2017 21:19	WG1019379
Acrylonitrile	U		0.00208	0.0116	1	09/12/2017 21:19	WG1019379
Benzene	U		0.000313	0.00116	1	09/12/2017 21:19	WG1019379
Bromobenzene	U		0.000330	0.00116	1	09/12/2017 21:19	WG1019379
Bromodichloromethane	U		0.000295	0.00116	1	09/12/2017 21:19	WG1019379
Bromochloromethane	U		0.000453	0.00580	1	09/12/2017 21:19	WG1019379
Bromoform	U		0.000492	0.00116	1	09/12/2017 21:19	WG1019379
Bromomethane	U		0.00156	0.00580	1	09/12/2017 21:19	WG1019379
n-Butylbenzene	U		0.000299	0.00116	1	09/12/2017 21:19	WG1019379
sec-Butylbenzene	U		0.000233	0.00116	1	09/12/2017 21:19	WG1019379
tert-Butylbenzene	U		0.000239	0.00116	1	09/12/2017 21:19	WG1019379
Carbon disulfide	0.00107	J	0.000257	0.00116	1	09/12/2017 21:19	WG1019379
Carbon tetrachloride	U		0.000381	0.00116	1	09/12/2017 21:19	WG1019379
Chlorobenzene	U		0.000246	0.00116	1	09/12/2017 21:19	WG1019379
Chlorodibromomethane	U		0.000433	0.00116	1	09/12/2017 21:19	WG1019379
Chloroethane	U		0.00110	0.00580	1	09/12/2017 21:19	WG1019379
Chloroform	U		0.000266	0.00580	1	09/12/2017 21:19	WG1019379
Chloromethane	U		0.000435	0.00290	1	09/12/2017 21:19	WG1019379
2-Chlorotoluene	U		0.000349	0.00116	1	09/12/2017 21:19	WG1019379
4-Chlorotoluene	U		0.000279	0.00116	1	09/12/2017 21:19	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	09/12/2017 21:19	WG1019379
1,2-Dibromoethane	U		0.000398	0.00116	1	09/12/2017 21:19	WG1019379
Dibromomethane	U		0.000443	0.00116	1	09/12/2017 21:19	WG1019379
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/12/2017 21:19	WG1019379
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/12/2017 21:19	WG1019379
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/12/2017 21:19	WG1019379
Dichlorodifluoromethane	U		0.000828	0.00580	1	09/12/2017 21:19	WG1019379
1,1-Dichloroethane	U		0.000231	0.00116	1	09/12/2017 21:19	WG1019379
1,2-Dichloroethane	U	J0 J4	0.000308	0.00116	1	09/12/2017 21:19	WG1019379
1,1-Dichloroethene	U		0.000352	0.00116	1	09/12/2017 21:19	WG1019379
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	09/12/2017 21:19	WG1019379
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/12/2017 21:19	WG1019379
1,2-Dichloropropane	U		0.000416	0.00116	1	09/12/2017 21:19	WG1019379
1,1-Dichloropropene	U		0.000368	0.00116	1	09/12/2017 21:19	WG1019379
1,3-Dichloropropane	U		0.000240	0.00116	1	09/12/2017 21:19	WG1019379
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/12/2017 21:19	WG1019379
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/12/2017 21:19	WG1019379
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000903	0.00290	1	09/12/2017 21:19	WG1019379
2,2-Dichloropropane	U		0.000324	0.00116	1	09/12/2017 21:19	WG1019379
Di-isopropyl ether	U		0.000288	0.00116	1	09/12/2017 21:19	WG1019379
Ethylbenzene	U		0.000345	0.00116	1	09/12/2017 21:19	WG1019379
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/12/2017 21:19	WG1019379
2-Hexanone	U		0.00159	0.0116	1	09/12/2017 21:19	WG1019379
n-Hexane	0.00322	J	0.000337	0.0116	1	09/12/2017 21:19	WG1019379

Volatile Organic Compounds (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		0.00294	0.0116	1	09/12/2017 21:19	WG1019379
Isopropylbenzene	U		0.000282	0.00116	1	09/12/2017 21:19	WG1019379
p-Isopropyltoluene	U		0.000237	0.00116	1	09/12/2017 21:19	WG1019379
2-Butanone (MEK)	U	J0	0.00543	0.0116	1	09/12/2017 21:19	WG1019379
Methylene Chloride	U		0.00116	0.00580	1	09/12/2017 21:19	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/12/2017 21:19	WG1019379
Methyl tert-butyl ether	U		0.000246	0.00116	1	09/12/2017 21:19	WG1019379
Naphthalene	U		0.00116	0.00580	1	09/12/2017 21:19	WG1019379
n-Propylbenzene	U		0.000239	0.00116	1	09/12/2017 21:19	WG1019379
Styrene	U		0.000272	0.00116	1	09/12/2017 21:19	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/12/2017 21:19	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/12/2017 21:19	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/12/2017 21:19	WG1019379
Tetrachloroethene	U		0.000320	0.00116	1	09/12/2017 21:19	WG1019379
Toluene	U		0.000504	0.00580	1	09/12/2017 21:19	WG1019379
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/12/2017 21:19	WG1019379
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/12/2017 21:19	WG1019379
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/12/2017 21:19	WG1019379
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/12/2017 21:19	WG1019379
Trichloroethene	U		0.000324	0.00116	1	09/12/2017 21:19	WG1019379
Trichlorofluoromethane	U		0.000443	0.00580	1	09/12/2017 21:19	WG1019379
1,2,3-Trichloropropane	U		0.000860	0.00290	1	09/12/2017 21:19	WG1019379
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/12/2017 21:19	WG1019379
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/12/2017 21:19	WG1019379
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/12/2017 21:19	WG1019379
Vinyl acetate	U		0.00277	0.0116	1	09/12/2017 21:19	WG1019379
Vinyl chloride	U		0.000338	0.00116	1	09/12/2017 21:19	WG1019379
Xylenes, Total	U		0.000810	0.00348	1	09/12/2017 21:19	WG1019379
(S) Toluene-d8	*96.5*			*80.0-120*		*09/12/2017 21:19*	WG1019379
(S) Dibromofluoromethane	*98.5*			*74.0-131*		*09/12/2017 21:19*	WG1019379
(S) 4-Bromofluorobenzene	*95.7*			*64.0-132*		*09/12/2017 21:19*	WG1019379

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	09/15/2017 09:48	WG1020726

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.05	3.11	26.75	09/14/2017 16:35	WG1020338
(S) a,a,a-Trifluorotoluene(FID)	*95.2*			*77.0-120*		*09/14/2017 16:35*	WG1020338

Volatile Organic Compounds (GC/MS) 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 J3	0.0116	0.0581	1	09/12/2017 21:41	WG1019379
Acrylonitrile	U		0.00208	0.0116	1	09/12/2017 21:41	WG1019379
Benzene	U		0.000314	0.00116	1	09/12/2017 21:41	WG1019379
Bromobenzene	U		0.000330	0.00116	1	09/12/2017 21:41	WG1019379
Bromodichloromethane	U		0.000295	0.00116	1	09/12/2017 21:41	WG1019379
Bromochloromethane	U		0.000454	0.00581	1	09/12/2017 21:41	WG1019379
Bromoform	U		0.000493	0.00116	1	09/12/2017 21:41	WG1019379
Bromomethane	U		0.00156	0.00581	1	09/12/2017 21:41	WG1019379
n-Butylbenzene	U		0.000300	0.00116	1	09/12/2017 21:41	WG1019379
sec-Butylbenzene	U		0.000234	0.00116	1	09/12/2017 21:41	WG1019379
tert-Butylbenzene	U		0.000240	0.00116	1	09/12/2017 21:41	WG1019379
Carbon disulfide	0.000919	J	0.000257	0.00116	1	09/12/2017 21:41	WG1019379
Carbon tetrachloride	U		0.000381	0.00116	1	09/12/2017 21:41	WG1019379
Chlorobenzene	U		0.000247	0.00116	1	09/12/2017 21:41	WG1019379
Chlorodibromomethane	U		0.000434	0.00116	1	09/12/2017 21:41	WG1019379
Chloroethane	U		0.00110	0.00581	1	09/12/2017 21:41	WG1019379
Chloroform	U		0.000266	0.00581	1	09/12/2017 21:41	WG1019379
Chloromethane	U		0.000436	0.00291	1	09/12/2017 21:41	WG1019379
2-Chlorotoluene	U		0.000350	0.00116	1	09/12/2017 21:41	WG1019379
4-Chlorotoluene	U		0.000279	0.00116	1	09/12/2017 21:41	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	09/12/2017 21:41	WG1019379
1,2-Dibromoethane	U		0.000399	0.00116	1	09/12/2017 21:41	WG1019379
Dibromomethane	U		0.000444	0.00116	1	09/12/2017 21:41	WG1019379
1,2-Dichlorobenzene	U		0.000355	0.00116	1	09/12/2017 21:41	WG1019379
1,3-Dichlorobenzene	U		0.000278	0.00116	1	09/12/2017 21:41	WG1019379
1,4-Dichlorobenzene	U		0.000263	0.00116	1	09/12/2017 21:41	WG1019379
Dichlorodifluoromethane	U		0.000829	0.00581	1	09/12/2017 21:41	WG1019379
1,1-Dichloroethane	U		0.000231	0.00116	1	09/12/2017 21:41	WG1019379
1,2-Dichloroethane	U	J0 J4	0.000308	0.00116	1	09/12/2017 21:41	WG1019379
1,1-Dichloroethene	U		0.000352	0.00116	1	09/12/2017 21:41	WG1019379
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	09/12/2017 21:41	WG1019379
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	09/12/2017 21:41	WG1019379
1,2-Dichloropropane	U		0.000416	0.00116	1	09/12/2017 21:41	WG1019379
1,1-Dichloropropene	U		0.000369	0.00116	1	09/12/2017 21:41	WG1019379
1,3-Dichloropropane	U		0.000241	0.00116	1	09/12/2017 21:41	WG1019379
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	09/12/2017 21:41	WG1019379
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	09/12/2017 21:41	WG1019379
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000905	0.00291	1	09/12/2017 21:41	WG1019379
2,2-Dichloropropane	U		0.000324	0.00116	1	09/12/2017 21:41	WG1019379
Di-isopropyl ether	U		0.000288	0.00116	1	09/12/2017 21:41	WG1019379
Ethylbenzene	U		0.000345	0.00116	1	09/12/2017 21:41	WG1019379
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	09/12/2017 21:41	WG1019379
2-Hexanone	U		0.00159	0.0116	1	09/12/2017 21:41	WG1019379
n-Hexane	0.00125	J	0.000337	0.0116	1	09/12/2017 21:41	WG1019379

Volatile Organic Compounds (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		0.00294	0.0116	1	09/12/2017 21:41	WG1019379
Isopropylbenzene	U		0.000283	0.00116	1	09/12/2017 21:41	WG1019379
p-Isopropyltoluene	U		0.000237	0.00116	1	09/12/2017 21:41	WG1019379
2-Butanone (MEK)	U	J0	0.00544	0.0116	1	09/12/2017 21:41	WG1019379
Methylene Chloride	U		0.00116	0.00581	1	09/12/2017 21:41	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	09/12/2017 21:41	WG1019379
Methyl tert-butyl ether	U		0.000247	0.00116	1	09/12/2017 21:41	WG1019379
Naphthalene	U		0.00116	0.00581	1	09/12/2017 21:41	WG1019379
n-Propylbenzene	U		0.000240	0.00116	1	09/12/2017 21:41	WG1019379
Styrene	U		0.000272	0.00116	1	09/12/2017 21:41	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	09/12/2017 21:41	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/12/2017 21:41	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/12/2017 21:41	WG1019379
Tetrachloroethene	U		0.000321	0.00116	1	09/12/2017 21:41	WG1019379
Toluene	U		0.000505	0.00581	1	09/12/2017 21:41	WG1019379
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	09/12/2017 21:41	WG1019379
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	09/12/2017 21:41	WG1019379
1,1,1-Trichloroethane	U		0.000333	0.00116	1	09/12/2017 21:41	WG1019379
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/12/2017 21:41	WG1019379
Trichloroethene	U		0.000324	0.00116	1	09/12/2017 21:41	WG1019379
Trichlorofluoromethane	U		0.000444	0.00581	1	09/12/2017 21:41	WG1019379
1,2,3-Trichloropropane	U		0.000862	0.00291	1	09/12/2017 21:41	WG1019379
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/12/2017 21:41	WG1019379
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	09/12/2017 21:41	WG1019379
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/12/2017 21:41	WG1019379
Vinyl acetate	U		0.00278	0.0116	1	09/12/2017 21:41	WG1019379
Vinyl chloride	U		0.000338	0.00116	1	09/12/2017 21:41	WG1019379
Xylenes, Total	U		0.000812	0.00349	1	09/12/2017 21:41	WG1019379
(S) Toluene-d8	*98.8*			*80.0-120*		*09/12/2017 21:41*	WG1019379
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/12/2017 21:41*	WG1019379
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*09/12/2017 21:41*	WG1019379

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.7		1	09/14/2017 13:28	WG1020385

Volatile Organic Compounds (GC/MS) 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 J3	0.0129	0.0643	1	09/12/2017 22:03	WG1019379
Acrylonitrile	U		0.00230	0.0129	1	09/12/2017 22:03	WG1019379
Benzene	U		0.000347	0.00129	1	09/12/2017 22:03	WG1019379
Bromobenzene	U		0.000366	0.00129	1	09/12/2017 22:03	WG1019379
Bromodichloromethane	U		0.000327	0.00129	1	09/12/2017 22:03	WG1019379
Bromochloromethane	U		0.000502	0.00643	1	09/12/2017 22:03	WG1019379
Bromoform	U		0.000546	0.00129	1	09/12/2017 22:03	WG1019379
Bromomethane	U		0.00172	0.00643	1	09/12/2017 22:03	WG1019379
n-Butylbenzene	U		0.000332	0.00129	1	09/12/2017 22:03	WG1019379
sec-Butylbenzene	U		0.000259	0.00129	1	09/12/2017 22:03	WG1019379
tert-Butylbenzene	U		0.000265	0.00129	1	09/12/2017 22:03	WG1019379
Carbon disulfide	U		0.000284	0.00129	1	09/12/2017 22:03	WG1019379
Carbon tetrachloride	U		0.000422	0.00129	1	09/12/2017 22:03	WG1019379
Chlorobenzene	U		0.000273	0.00129	1	09/12/2017 22:03	WG1019379
Chlorodibromomethane	U		0.000480	0.00129	1	09/12/2017 22:03	WG1019379
Chloroethane	U		0.00122	0.00643	1	09/12/2017 22:03	WG1019379
Chloroform	U		0.000295	0.00643	1	09/12/2017 22:03	WG1019379
Chloromethane	U		0.000483	0.00322	1	09/12/2017 22:03	WG1019379
2-Chlorotoluene	U		0.000387	0.00129	1	09/12/2017 22:03	WG1019379
4-Chlorotoluene	U		0.000309	0.00129	1	09/12/2017 22:03	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00135	0.00643	1	09/12/2017 22:03	WG1019379
1,2-Dibromoethane	U		0.000441	0.00129	1	09/12/2017 22:03	WG1019379
Dibromomethane	U		0.000492	0.00129	1	09/12/2017 22:03	WG1019379
1,2-Dichlorobenzene	U		0.000393	0.00129	1	09/12/2017 22:03	WG1019379
1,3-Dichlorobenzene	U		0.000308	0.00129	1	09/12/2017 22:03	WG1019379
1,4-Dichlorobenzene	U		0.000291	0.00129	1	09/12/2017 22:03	WG1019379
Dichlorodifluoromethane	U		0.000918	0.00643	1	09/12/2017 22:03	WG1019379
1,1-Dichloroethane	U		0.000256	0.00129	1	09/12/2017 22:03	WG1019379
1,2-Dichloroethane	U	J0 J4	0.000341	0.00129	1	09/12/2017 22:03	WG1019379
1,1-Dichloroethene	U		0.000390	0.00129	1	09/12/2017 22:03	WG1019379
cis-1,2-Dichloroethene	U		0.000302	0.00129	1	09/12/2017 22:03	WG1019379
trans-1,2-Dichloroethene	U		0.000340	0.00129	1	09/12/2017 22:03	WG1019379
1,2-Dichloropropane	U		0.000461	0.00129	1	09/12/2017 22:03	WG1019379
1,1-Dichloropropene	U		0.000408	0.00129	1	09/12/2017 22:03	WG1019379
1,3-Dichloropropane	U		0.000266	0.00129	1	09/12/2017 22:03	WG1019379
cis-1,3-Dichloropropene	U		0.000337	0.00129	1	09/12/2017 22:03	WG1019379
trans-1,3-Dichloropropene	U		0.000344	0.00129	1	09/12/2017 22:03	WG1019379
trans-1,4-Dichloro-2-butene	U	J0 J4	0.00100	0.00322	1	09/12/2017 22:03	WG1019379
2,2-Dichloropropane	U		0.000359	0.00129	1	09/12/2017 22:03	WG1019379
Di-isopropyl ether	U		0.000319	0.00129	1	09/12/2017 22:03	WG1019379
Ethylbenzene	U		0.000382	0.00129	1	09/12/2017 22:03	WG1019379
Hexachloro-1,3-butadiene	U		0.000440	0.00129	1	09/12/2017 22:03	WG1019379
2-Hexanone	U		0.00176	0.0129	1	09/12/2017 22:03	WG1019379
n-Hexane	U		0.000373	0.0129	1	09/12/2017 22:03	WG1019379
Iodomethane	U		0.00326	0.0129	1	09/12/2017 22:03	WG1019379
Isopropylbenzene	U		0.000313	0.00129	1	09/12/2017 22:03	WG1019379
p-Isopropyltoluene	U		0.000263	0.00129	1	09/12/2017 22:03	WG1019379
2-Butanone (MEK)	U	J0	0.00602	0.0129	1	09/12/2017 22:03	WG1019379
Methylene Chloride	U		0.00129	0.00643	1	09/12/2017 22:03	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00242	0.0129	1	09/12/2017 22:03	WG1019379

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000273	0.00129	1	09/12/2017 22:03	WG1019379
Naphthalene	U		0.00129	0.00643	1	09/12/2017 22:03	WG1019379
n-Propylbenzene	U		0.000265	0.00129	1	09/12/2017 22:03	WG1019379
Styrene	U		0.000301	0.00129	1	09/12/2017 22:03	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000340	0.00129	1	09/12/2017 22:03	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000470	0.00129	1	09/12/2017 22:03	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000470	0.00129	1	09/12/2017 22:03	WG1019379
Tetrachloroethene	U		0.000355	0.00129	1	09/12/2017 22:03	WG1019379
Toluene	U		0.000559	0.00643	1	09/12/2017 22:03	WG1019379
1,2,3-Trichlorobenzene	U		0.000394	0.00129	1	09/12/2017 22:03	WG1019379
1,2,4-Trichlorobenzene	U		0.000499	0.00129	1	09/12/2017 22:03	WG1019379
1,1,1-Trichloroethane	U		0.000368	0.00129	1	09/12/2017 22:03	WG1019379
1,1,2-Trichloroethane	U		0.000356	0.00129	1	09/12/2017 22:03	WG1019379
Trichloroethene	U		0.000359	0.00129	1	09/12/2017 22:03	WG1019379
Trichlorofluoromethane	U		0.000492	0.00643	1	09/12/2017 22:03	WG1019379
1,2,3-Trichloropropane	U		0.000954	0.00322	1	09/12/2017 22:03	WG1019379
1,2,4-Trimethylbenzene	U		0.000272	0.00129	1	09/12/2017 22:03	WG1019379
1,2,3-Trimethylbenzene	U		0.000369	0.00129	1	09/12/2017 22:03	WG1019379
1,3,5-Trimethylbenzene	U		0.000342	0.00129	1	09/12/2017 22:03	WG1019379
Vinyl acetate	U		0.00308	0.0129	1	09/12/2017 22:03	WG1019379
Vinyl chloride	U		0.000375	0.00129	1	09/12/2017 22:03	WG1019379
Xylenes, Total	U		0.000898	0.00386	1	09/12/2017 22:03	WG1019379
(S) Toluene-d8	*97.0*			*80.0-120*		*09/12/2017 22:03*	WG1019379
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/12/2017 22:03*	WG1019379
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*09/12/2017 22:03*	WG1019379

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	09/14/2017 13:28	WG1020385

Volatile Organic Compounds (GC/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 J3	0.0111	0.0555	1	09/18/2017 13:29	WG1019379
Acrylonitrile	U		0.00199	0.0111	1	09/18/2017 13:29	WG1019379
Benzene	U		0.000300	0.00111	1	09/18/2017 13:29	WG1019379
Bromobenzene	U		0.000316	0.00111	1	09/18/2017 13:29	WG1019379
Bromodichloromethane	U		0.000282	0.00111	1	09/18/2017 13:29	WG1019379
Bromochloromethane	U		0.000433	0.00555	1	09/18/2017 13:29	WG1019379
Bromoform	U		0.000471	0.00111	1	09/18/2017 13:29	WG1019379
Bromomethane	U		0.00149	0.00555	1	09/18/2017 13:29	WG1019379
n-Butylbenzene	U		0.000287	0.00111	1	09/18/2017 13:29	WG1019379
sec-Butylbenzene	U		0.000223	0.00111	1	09/18/2017 13:29	WG1019379
tert-Butylbenzene	U		0.000229	0.00111	1	09/18/2017 13:29	WG1019379
Carbon disulfide	0.000650	J	0.000246	0.00111	1	09/18/2017 13:29	WG1019379
Carbon tetrachloride	U		0.000364	0.00111	1	09/18/2017 13:29	WG1019379
Chlorobenzene	U		0.000236	0.00111	1	09/18/2017 13:29	WG1019379
Chlorodibromomethane	U		0.000414	0.00111	1	09/18/2017 13:29	WG1019379
Chloroethane	U		0.00105	0.00555	1	09/18/2017 13:29	WG1019379
Chloroform	U		0.000254	0.00555	1	09/18/2017 13:29	WG1019379
Chloromethane	U	J0	0.000417	0.00278	1	09/18/2017 13:29	WG1019379
2-Chlorotoluene	U		0.000334	0.00111	1	09/18/2017 13:29	WG1019379
4-Chlorotoluene	U		0.000267	0.00111	1	09/18/2017 13:29	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	09/18/2017 13:29	WG1019379
1,2-Dibromoethane	U		0.000381	0.00111	1	09/18/2017 13:29	WG1019379
Dibromomethane	U		0.000424	0.00111	1	09/18/2017 13:29	WG1019379
1,2-Dichlorobenzene	U		0.000339	0.00111	1	09/18/2017 13:29	WG1019379
1,3-Dichlorobenzene	U		0.000266	0.00111	1	09/18/2017 13:29	WG1019379
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/18/2017 13:29	WG1019379
Dichlorodifluoromethane	U		0.000792	0.00555	1	09/18/2017 13:29	WG1019379
1,1-Dichloroethane	U		0.000221	0.00111	1	09/18/2017 13:29	WG1019379
1,2-Dichloroethane	U	J4	0.000294	0.00111	1	09/18/2017 13:29	WG1019379
1,1-Dichloroethene	U		0.000337	0.00111	1	09/18/2017 13:29	WG1019379
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	09/18/2017 13:29	WG1019379
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/18/2017 13:29	WG1019379
1,2-Dichloropropane	U		0.000398	0.00111	1	09/18/2017 13:29	WG1019379
1,1-Dichloropropene	U		0.000352	0.00111	1	09/18/2017 13:29	WG1019379
1,3-Dichloropropane	U		0.000230	0.00111	1	09/18/2017 13:29	WG1019379
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	09/18/2017 13:29	WG1019379
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	09/18/2017 13:29	WG1019379
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000864	0.00278	1	09/18/2017 13:29	WG1019379
2,2-Dichloropropane	U		0.000310	0.00111	1	09/18/2017 13:29	WG1019379
Di-isopropyl ether	U	J0	0.000276	0.00111	1	09/18/2017 13:29	WG1019379
Ethylbenzene	U		0.000330	0.00111	1	09/18/2017 13:29	WG1019379
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	09/18/2017 13:29	WG1019379
2-Hexanone	U		0.00152	0.0111	1	09/18/2017 13:29	WG1019379
n-Hexane	0.000642	J	0.000322	0.0111	1	09/18/2017 13:29	WG1019379
Iodomethane	U		0.00281	0.0111	1	09/18/2017 13:29	WG1019379
Isopropylbenzene	U		0.000270	0.00111	1	09/18/2017 13:29	WG1019379
p-Isopropyltoluene	U		0.000227	0.00111	1	09/18/2017 13:29	WG1019379
2-Butanone (MEK)	U		0.00520	0.0111	1	09/18/2017 13:29	WG1019379
Methylene Chloride	U		0.00111	0.00555	1	09/18/2017 13:29	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	09/18/2017 13:29	WG1019379

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

Analyte	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	09/18/2017 13:29	WG1019379
Naphthalene	U		0.00111	0.00555	1	09/18/2017 13:29	WG1019379
n-Propylbenzene	U		0.000229	0.00111	1	09/18/2017 13:29	WG1019379
Styrene	U		0.000260	0.00111	1	09/18/2017 13:29	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/18/2017 13:29	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/18/2017 13:29	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/18/2017 13:29	WG1019379
Tetrachloroethene	U		0.000307	0.00111	1	09/18/2017 13:29	WG1019379
Toluene	U		0.000482	0.00555	1	09/18/2017 13:29	WG1019379
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	09/18/2017 13:29	WG1019379
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	09/18/2017 13:29	WG1019379
1,1,1-Trichloroethane	U		0.000318	0.00111	1	09/18/2017 13:29	WG1019379
1,1,2-Trichloroethane	U		0.000308	0.00111	1	09/18/2017 13:29	WG1019379
Trichloroethene	U		0.000310	0.00111	1	09/18/2017 13:29	WG1019379
Trichlorofluoromethane	U		0.000424	0.00555	1	09/18/2017 13:29	WG1019379
1,2,3-Trichloropropane	U		0.000823	0.00278	1	09/18/2017 13:29	WG1019379
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/18/2017 13:29	WG1019379
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	09/18/2017 13:29	WG1019379
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	09/18/2017 13:29	WG1019379
Vinyl acetate	U		0.00266	0.0111	1	09/18/2017 13:29	WG1019379
Vinyl chloride	U		0.000323	0.00111	1	09/18/2017 13:29	WG1019379
Xylenes, Total	U		0.000775	0.00333	1	09/18/2017 13:29	WG1019379
(S) Toluene-d8	*98.7*			*80.0-120*		*09/18/2017 13:29*	WG1019379
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/18/2017 13:29*	WG1019379
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/18/2017 13:29*	WG1019379

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	09/14/2017 13:28	WG1020385

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0150	J J3	0.0120	0.0601	1	09/18/2017 13:49	WG1019379
Acrylonitrile	U		0.00215	0.0120	1	09/18/2017 13:49	WG1019379
Benzene	U		0.000325	0.00120	1	09/18/2017 13:49	WG1019379
Bromobenzene	U		0.000341	0.00120	1	09/18/2017 13:49	WG1019379
Bromodichloromethane	U		0.000305	0.00120	1	09/18/2017 13:49	WG1019379
Bromochloromethane	U		0.000469	0.00601	1	09/18/2017 13:49	WG1019379
Bromoform	U		0.000510	0.00120	1	09/18/2017 13:49	WG1019379
Bromomethane	U		0.00161	0.00601	1	09/18/2017 13:49	WG1019379
n-Butylbenzene	U		0.000310	0.00120	1	09/18/2017 13:49	WG1019379
sec-Butylbenzene	U		0.000242	0.00120	1	09/18/2017 13:49	WG1019379
tert-Butylbenzene	U		0.000248	0.00120	1	09/18/2017 13:49	WG1019379
Carbon disulfide	0.00148		0.000266	0.00120	1	09/18/2017 13:49	WG1019379
Carbon tetrachloride	U		0.000394	0.00120	1	09/18/2017 13:49	WG1019379
Chlorobenzene	U		0.000255	0.00120	1	09/18/2017 13:49	WG1019379
Chlorodibromomethane	U		0.000448	0.00120	1	09/18/2017 13:49	WG1019379
Chloroethane	U		0.00114	0.00601	1	09/18/2017 13:49	WG1019379
Chloroform	U		0.000275	0.00601	1	09/18/2017 13:49	WG1019379
Chloromethane	U	J0	0.000451	0.00301	1	09/18/2017 13:49	WG1019379
2-Chlorotoluene	U		0.000362	0.00120	1	09/18/2017 13:49	WG1019379
4-Chlorotoluene	U		0.000288	0.00120	1	09/18/2017 13:49	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	09/18/2017 13:49	WG1019379
1,2-Dibromoethane	U		0.000412	0.00120	1	09/18/2017 13:49	WG1019379
Dibromomethane	U		0.000459	0.00120	1	09/18/2017 13:49	WG1019379
1,2-Dichlorobenzene	U		0.000367	0.00120	1	09/18/2017 13:49	WG1019379
1,3-Dichlorobenzene	U		0.000287	0.00120	1	09/18/2017 13:49	WG1019379
1,4-Dichlorobenzene	U		0.000272	0.00120	1	09/18/2017 13:49	WG1019379
Dichlorodifluoromethane	U		0.000857	0.00601	1	09/18/2017 13:49	WG1019379
1,1-Dichloroethane	U		0.000239	0.00120	1	09/18/2017 13:49	WG1019379
1,2-Dichloroethane	U	J4	0.000319	0.00120	1	09/18/2017 13:49	WG1019379
1,1-Dichloroethene	U		0.000364	0.00120	1	09/18/2017 13:49	WG1019379
cis-1,2-Dichloroethene	U		0.000282	0.00120	1	09/18/2017 13:49	WG1019379
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	09/18/2017 13:49	WG1019379
1,2-Dichloropropane	U		0.000430	0.00120	1	09/18/2017 13:49	WG1019379
1,1-Dichloropropene	U		0.000381	0.00120	1	09/18/2017 13:49	WG1019379
1,3-Dichloropropane	U		0.000249	0.00120	1	09/18/2017 13:49	WG1019379
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	09/18/2017 13:49	WG1019379
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	09/18/2017 13:49	WG1019379
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000935	0.00301	1	09/18/2017 13:49	WG1019379
2,2-Dichloropropane	U		0.000335	0.00120	1	09/18/2017 13:49	WG1019379
Di-isopropyl ether	U	J0	0.000298	0.00120	1	09/18/2017 13:49	WG1019379
Ethylbenzene	U		0.000357	0.00120	1	09/18/2017 13:49	WG1019379
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	09/18/2017 13:49	WG1019379
2-Hexanone	U		0.00165	0.0120	1	09/18/2017 13:49	WG1019379
n-Hexane	0.000620	J	0.000349	0.0120	1	09/18/2017 13:49	WG1019379
Iodomethane	U		0.00304	0.0120	1	09/18/2017 13:49	WG1019379
Isopropylbenzene	U		0.000292	0.00120	1	09/18/2017 13:49	WG1019379
p-Isopropyltoluene	U		0.000245	0.00120	1	09/18/2017 13:49	WG1019379
2-Butanone (MEK)	U		0.00563	0.0120	1	09/18/2017 13:49	WG1019379
Methylene Chloride	U		0.00120	0.00601	1	09/18/2017 13:49	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	09/18/2017 13:49	WG1019379

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

Analyte	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	09/18/2017 13:49	WG1019379
Naphthalene	U		0.00120	0.00601	1	09/18/2017 13:49	WG1019379
n-Propylbenzene	U		0.000248	0.00120	1	09/18/2017 13:49	WG1019379
Styrene	U		0.000281	0.00120	1	09/18/2017 13:49	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	09/18/2017 13:49	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	09/18/2017 13:49	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	09/18/2017 13:49	WG1019379
Tetrachloroethene	U		0.000332	0.00120	1	09/18/2017 13:49	WG1019379
Toluene	U		0.000522	0.00601	1	09/18/2017 13:49	WG1019379
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	09/18/2017 13:49	WG1019379
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	09/18/2017 13:49	WG1019379
1,1,1-Trichloroethane	U		0.000344	0.00120	1	09/18/2017 13:49	WG1019379
1,1,2-Trichloroethane	U		0.000333	0.00120	1	09/18/2017 13:49	WG1019379
Trichloroethene	U		0.000335	0.00120	1	09/18/2017 13:49	WG1019379
Trichlorofluoromethane	U		0.000459	0.00601	1	09/18/2017 13:49	WG1019379
1,2,3-Trichloropropane	U		0.000891	0.00301	1	09/18/2017 13:49	WG1019379
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	09/18/2017 13:49	WG1019379
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	09/18/2017 13:49	WG1019379
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	09/18/2017 13:49	WG1019379
Vinyl acetate	U		0.00287	0.0120	1	09/18/2017 13:49	WG1019379
Vinyl chloride	U		0.000350	0.00120	1	09/18/2017 13:49	WG1019379
Xylenes, Total	U		0.000839	0.00361	1	09/18/2017 13:49	WG1019379
(S) Toluene-d8	*103*			*80.0-120*		*09/18/2017 13:49*	WG1019379
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/18/2017 13:49*	WG1019379
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/18/2017 13:49*	WG1019379

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	09/14/2017 13:28	WG1020385

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0230	J J3	0.0112	0.0559	1	09/18/2017 14:08	WG1019379
Acrylonitrile	U		0.00200	0.0112	1	09/18/2017 14:08	WG1019379
Benzene	U		0.000302	0.00112	1	09/18/2017 14:08	WG1019379
Bromobenzene	U		0.000317	0.00112	1	09/18/2017 14:08	WG1019379
Bromodichloromethane	U		0.000284	0.00112	1	09/18/2017 14:08	WG1019379
Bromochloromethane	U		0.000436	0.00559	1	09/18/2017 14:08	WG1019379
Bromoform	U		0.000474	0.00112	1	09/18/2017 14:08	WG1019379
Bromomethane	U		0.00150	0.00559	1	09/18/2017 14:08	WG1019379
n-Butylbenzene	U		0.000288	0.00112	1	09/18/2017 14:08	WG1019379
sec-Butylbenzene	U		0.000225	0.00112	1	09/18/2017 14:08	WG1019379
tert-Butylbenzene	U		0.000230	0.00112	1	09/18/2017 14:08	WG1019379
Carbon disulfide	0.00203		0.000247	0.00112	1	09/18/2017 14:08	WG1019379
Carbon tetrachloride	U		0.000367	0.00112	1	09/18/2017 14:08	WG1019379
Chlorobenzene	U		0.000237	0.00112	1	09/18/2017 14:08	WG1019379
Chlorodibromomethane	U		0.000417	0.00112	1	09/18/2017 14:08	WG1019379
Chloroethane	U		0.00106	0.00559	1	09/18/2017 14:08	WG1019379
Chloroform	U		0.000256	0.00559	1	09/18/2017 14:08	WG1019379
Chloromethane	U	J0	0.000419	0.00279	1	09/18/2017 14:08	WG1019379
2-Chlorotoluene	U		0.000336	0.00112	1	09/18/2017 14:08	WG1019379
4-Chlorotoluene	U		0.000268	0.00112	1	09/18/2017 14:08	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	09/18/2017 14:08	WG1019379
1,2-Dibromoethane	U		0.000383	0.00112	1	09/18/2017 14:08	WG1019379
Dibromomethane	U		0.000427	0.00112	1	09/18/2017 14:08	WG1019379
1,2-Dichlorobenzene	U		0.000341	0.00112	1	09/18/2017 14:08	WG1019379
1,3-Dichlorobenzene	U		0.000267	0.00112	1	09/18/2017 14:08	WG1019379
1,4-Dichlorobenzene	U		0.000253	0.00112	1	09/18/2017 14:08	WG1019379
Dichlorodifluoromethane	U		0.000797	0.00559	1	09/18/2017 14:08	WG1019379
1,1-Dichloroethane	U		0.000222	0.00112	1	09/18/2017 14:08	WG1019379
1,2-Dichloroethane	U	J4	0.000296	0.00112	1	09/18/2017 14:08	WG1019379
1,1-Dichloroethene	U		0.000339	0.00112	1	09/18/2017 14:08	WG1019379
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	09/18/2017 14:08	WG1019379
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/18/2017 14:08	WG1019379
1,2-Dichloropropane	U		0.000400	0.00112	1	09/18/2017 14:08	WG1019379
1,1-Dichloropropene	U		0.000354	0.00112	1	09/18/2017 14:08	WG1019379
1,3-Dichloropropane	U		0.000231	0.00112	1	09/18/2017 14:08	WG1019379
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	09/18/2017 14:08	WG1019379
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	09/18/2017 14:08	WG1019379
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000870	0.00279	1	09/18/2017 14:08	WG1019379
2,2-Dichloropropane	U		0.000312	0.00112	1	09/18/2017 14:08	WG1019379
Di-isopropyl ether	U	J0	0.000277	0.00112	1	09/18/2017 14:08	WG1019379
Ethylbenzene	U		0.000332	0.00112	1	09/18/2017 14:08	WG1019379
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	09/18/2017 14:08	WG1019379
2-Hexanone	U		0.00153	0.0112	1	09/18/2017 14:08	WG1019379
n-Hexane	0.000668	J	0.000324	0.0112	1	09/18/2017 14:08	WG1019379
Iodomethane	U		0.00283	0.0112	1	09/18/2017 14:08	WG1019379
Isopropylbenzene	U		0.000272	0.00112	1	09/18/2017 14:08	WG1019379
p-Isopropyltoluene	U		0.000228	0.00112	1	09/18/2017 14:08	WG1019379
2-Butanone (MEK)	U		0.00523	0.0112	1	09/18/2017 14:08	WG1019379
Methylene Chloride	U		0.00112	0.00559	1	09/18/2017 14:08	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	09/18/2017 14:08	WG1019379

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

Analyte	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	09/18/2017 14:08	WG1019379
Naphthalene	U		0.00112	0.00559	1	09/18/2017 14:08	WG1019379
n-Propylbenzene	U		0.000230	0.00112	1	09/18/2017 14:08	WG1019379
Styrene	U		0.000262	0.00112	1	09/18/2017 14:08	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	09/18/2017 14:08	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	09/18/2017 14:08	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	09/18/2017 14:08	WG1019379
Tetrachloroethene	U		0.000309	0.00112	1	09/18/2017 14:08	WG1019379
Toluene	U		0.000485	0.00559	1	09/18/2017 14:08	WG1019379
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	09/18/2017 14:08	WG1019379
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	09/18/2017 14:08	WG1019379
1,1,1-Trichloroethane	U		0.000320	0.00112	1	09/18/2017 14:08	WG1019379
1,1,2-Trichloroethane	U		0.000310	0.00112	1	09/18/2017 14:08	WG1019379
Trichloroethene	U		0.000312	0.00112	1	09/18/2017 14:08	WG1019379
Trichlorofluoromethane	U		0.000427	0.00559	1	09/18/2017 14:08	WG1019379
1,2,3-Trichloropropane	U		0.000828	0.00279	1	09/18/2017 14:08	WG1019379
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/18/2017 14:08	WG1019379
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	09/18/2017 14:08	WG1019379
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	09/18/2017 14:08	WG1019379
Vinyl acetate	U		0.00267	0.0112	1	09/18/2017 14:08	WG1019379
Vinyl chloride	U		0.000325	0.00112	1	09/18/2017 14:08	WG1019379
Xylenes, Total	U		0.000780	0.00335	1	09/18/2017 14:08	WG1019379
(S) Toluene-d8	*101*			*80.0-120*		*09/18/2017 14:08*	WG1019379
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/18/2017 14:08*	WG1019379
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/18/2017 14:08*	WG1019379

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/14/2017 13:28	WG1020385

Volatile Organic Compounds (GC/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 J3	0.0110	0.0549	1	09/18/2017 14:28	WG1019379
Acrylonitrile	U		0.00196	0.0110	1	09/18/2017 14:28	WG1019379
Benzene	U		0.000296	0.00110	1	09/18/2017 14:28	WG1019379
Bromobenzene	U		0.000312	0.00110	1	09/18/2017 14:28	WG1019379
Bromodichloromethane	U		0.000279	0.00110	1	09/18/2017 14:28	WG1019379
Bromochloromethane	U		0.000428	0.00549	1	09/18/2017 14:28	WG1019379
Bromoform	U		0.000465	0.00110	1	09/18/2017 14:28	WG1019379
Bromomethane	U		0.00147	0.00549	1	09/18/2017 14:28	WG1019379
n-Butylbenzene	U		0.000283	0.00110	1	09/18/2017 14:28	WG1019379
sec-Butylbenzene	U		0.000221	0.00110	1	09/18/2017 14:28	WG1019379
tert-Butylbenzene	U		0.000226	0.00110	1	09/18/2017 14:28	WG1019379
Carbon disulfide	0.00135		0.000243	0.00110	1	09/18/2017 14:28	WG1019379
Carbon tetrachloride	U		0.000360	0.00110	1	09/18/2017 14:28	WG1019379
Chlorobenzene	U		0.000233	0.00110	1	09/18/2017 14:28	WG1019379
Chlorodibromomethane	U		0.000409	0.00110	1	09/18/2017 14:28	WG1019379
Chloroethane	U		0.00104	0.00549	1	09/18/2017 14:28	WG1019379
Chloroform	U		0.000251	0.00549	1	09/18/2017 14:28	WG1019379
Chloromethane	U	J0	0.000412	0.00274	1	09/18/2017 14:28	WG1019379
2-Chlorotoluene	U		0.000330	0.00110	1	09/18/2017 14:28	WG1019379
4-Chlorotoluene	U		0.000263	0.00110	1	09/18/2017 14:28	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	09/18/2017 14:28	WG1019379
1,2-Dibromoethane	U		0.000377	0.00110	1	09/18/2017 14:28	WG1019379
Dibromomethane	U		0.000419	0.00110	1	09/18/2017 14:28	WG1019379
1,2-Dichlorobenzene	U		0.000335	0.00110	1	09/18/2017 14:28	WG1019379
1,3-Dichlorobenzene	U		0.000262	0.00110	1	09/18/2017 14:28	WG1019379
1,4-Dichlorobenzene	U		0.000248	0.00110	1	09/18/2017 14:28	WG1019379
Dichlorodifluoromethane	U		0.000783	0.00549	1	09/18/2017 14:28	WG1019379
1,1-Dichloroethane	U		0.000218	0.00110	1	09/18/2017 14:28	WG1019379
1,2-Dichloroethane	U	J4	0.000291	0.00110	1	09/18/2017 14:28	WG1019379
1,1-Dichloroethene	U		0.000333	0.00110	1	09/18/2017 14:28	WG1019379
cis-1,2-Dichloroethene	U		0.000258	0.00110	1	09/18/2017 14:28	WG1019379
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	09/18/2017 14:28	WG1019379
1,2-Dichloropropane	U		0.000393	0.00110	1	09/18/2017 14:28	WG1019379
1,1-Dichloropropene	U		0.000348	0.00110	1	09/18/2017 14:28	WG1019379
1,3-Dichloropropane	U		0.000227	0.00110	1	09/18/2017 14:28	WG1019379
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	09/18/2017 14:28	WG1019379
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	09/18/2017 14:28	WG1019379
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000854	0.00274	1	09/18/2017 14:28	WG1019379
2,2-Dichloropropane	U		0.000306	0.00110	1	09/18/2017 14:28	WG1019379
Di-isopropyl ether	U	J0	0.000272	0.00110	1	09/18/2017 14:28	WG1019379
Ethylbenzene	U		0.000326	0.00110	1	09/18/2017 14:28	WG1019379
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	09/18/2017 14:28	WG1019379
2-Hexanone	U		0.00150	0.0110	1	09/18/2017 14:28	WG1019379
n-Hexane	0.00343	J	0.000318	0.0110	1	09/18/2017 14:28	WG1019379
Iodomethane	U		0.00278	0.0110	1	09/18/2017 14:28	WG1019379
Isopropylbenzene	U		0.000267	0.00110	1	09/18/2017 14:28	WG1019379
p-Isopropyltoluene	U		0.000224	0.00110	1	09/18/2017 14:28	WG1019379
2-Butanone (MEK)	U		0.00514	0.0110	1	09/18/2017 14:28	WG1019379
Methylene Chloride	U		0.00110	0.00549	1	09/18/2017 14:28	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	09/18/2017 14:28	WG1019379

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

Analyte	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	09/18/2017 14:28	WG1019379
Naphthalene	U		0.00110	0.00549	1	09/18/2017 14:28	WG1019379
n-Propylbenzene	U		0.000226	0.00110	1	09/18/2017 14:28	WG1019379
Styrene	U		0.000257	0.00110	1	09/18/2017 14:28	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	09/18/2017 14:28	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	09/18/2017 14:28	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	09/18/2017 14:28	WG1019379
Tetrachloroethene	U		0.000303	0.00110	1	09/18/2017 14:28	WG1019379
Toluene	U		0.000476	0.00549	1	09/18/2017 14:28	WG1019379
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	09/18/2017 14:28	WG1019379
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	09/18/2017 14:28	WG1019379
1,1,1-Trichloroethane	U		0.000314	0.00110	1	09/18/2017 14:28	WG1019379
1,1,2-Trichloroethane	U		0.000304	0.00110	1	09/18/2017 14:28	WG1019379
Trichloroethene	U		0.000306	0.00110	1	09/18/2017 14:28	WG1019379
Trichlorofluoromethane	U		0.000419	0.00549	1	09/18/2017 14:28	WG1019379
1,2,3-Trichloropropane	U		0.000813	0.00274	1	09/18/2017 14:28	WG1019379
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/18/2017 14:28	WG1019379
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	09/18/2017 14:28	WG1019379
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	09/18/2017 14:28	WG1019379
Vinyl acetate	U		0.00262	0.0110	1	09/18/2017 14:28	WG1019379
Vinyl chloride	U		0.000319	0.00110	1	09/18/2017 14:28	WG1019379
Xylenes, Total	U		0.000766	0.00329	1	09/18/2017 14:28	WG1019379
(S) Toluene-d8	*97.2*			*80.0-120*		*09/18/2017 14:28*	WG1019379
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/18/2017 14:28*	WG1019379
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/18/2017 14:28*	WG1019379

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.0		1	09/14/2017 13:28	WG1020385

Volatile Organic Compounds (GC/MS) 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	0.0127	0.0633	1	09/14/2017 15:13	WG1020390
Acrylonitrile	U		0.00226	0.0127	1	09/14/2017 15:13	WG1020390
Benzene	U		0.000342	0.00127	1	09/14/2017 15:13	WG1020390
Bromobenzene	U	J0	0.000359	0.00127	1	09/14/2017 15:13	WG1020390
Bromodichloromethane	U		0.000321	0.00127	1	09/14/2017 15:13	WG1020390
Bromochloromethane	U		0.000493	0.00633	1	09/14/2017 15:13	WG1020390
Bromoform	U		0.000537	0.00127	1	09/14/2017 15:13	WG1020390
Bromomethane	U		0.00170	0.00633	1	09/14/2017 15:13	WG1020390
n-Butylbenzene	U		0.000326	0.00127	1	09/14/2017 15:13	WG1020390
sec-Butylbenzene	U		0.000254	0.00127	1	09/14/2017 15:13	WG1020390
tert-Butylbenzene	U		0.000261	0.00127	1	09/14/2017 15:13	WG1020390
Carbon disulfide	U		0.000280	0.00127	1	09/14/2017 15:13	WG1020390
Carbon tetrachloride	U		0.000415	0.00127	1	09/14/2017 15:13	WG1020390
Chlorobenzene	U		0.000268	0.00127	1	09/14/2017 15:13	WG1020390
Chlorodibromomethane	U		0.000472	0.00127	1	09/14/2017 15:13	WG1020390
Chloroethane	U	J0	0.00120	0.00633	1	09/14/2017 15:13	WG1020390
Chloroform	U		0.000290	0.00633	1	09/14/2017 15:13	WG1020390
Chloromethane	U	J0	0.000475	0.00316	1	09/14/2017 15:13	WG1020390
2-Chlorotoluene	U		0.000381	0.00127	1	09/14/2017 15:13	WG1020390
4-Chlorotoluene	U		0.000304	0.00127	1	09/14/2017 15:13	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00633	1	09/14/2017 15:13	WG1020390
1,2-Dibromoethane	U		0.000434	0.00127	1	09/14/2017 15:13	WG1020390
Dibromomethane	U		0.000483	0.00127	1	09/14/2017 15:13	WG1020390
1,2-Dichlorobenzene	U		0.000386	0.00127	1	09/14/2017 15:13	WG1020390
1,3-Dichlorobenzene	U		0.000302	0.00127	1	09/14/2017 15:13	WG1020390
1,4-Dichlorobenzene	U		0.000286	0.00127	1	09/14/2017 15:13	WG1020390
Dichlorodifluoromethane	U		0.000902	0.00633	1	09/14/2017 15:13	WG1020390
1,1-Dichloroethane	U		0.000252	0.00127	1	09/14/2017 15:13	WG1020390
1,2-Dichloroethane	U		0.000335	0.00127	1	09/14/2017 15:13	WG1020390
1,1-Dichloroethene	U		0.000383	0.00127	1	09/14/2017 15:13	WG1020390
cis-1,2-Dichloroethene	U		0.000297	0.00127	1	09/14/2017 15:13	WG1020390
trans-1,2-Dichloroethene	U		0.000334	0.00127	1	09/14/2017 15:13	WG1020390
1,2-Dichloropropane	U		0.000453	0.00127	1	09/14/2017 15:13	WG1020390
1,1-Dichloropropene	U		0.000401	0.00127	1	09/14/2017 15:13	WG1020390
1,3-Dichloropropane	U		0.000262	0.00127	1	09/14/2017 15:13	WG1020390
cis-1,3-Dichloropropene	U		0.000332	0.00127	1	09/14/2017 15:13	WG1020390
trans-1,3-Dichloropropene	U		0.000338	0.00127	1	09/14/2017 15:13	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000984	0.00316	1	09/14/2017 15:13	WG1020390
2,2-Dichloropropane	U		0.000353	0.00127	1	09/14/2017 15:13	WG1020390
Di-isopropyl ether	U		0.000314	0.00127	1	09/14/2017 15:13	WG1020390
Ethylbenzene	U		0.000376	0.00127	1	09/14/2017 15:13	WG1020390
Hexachloro-1,3-butadiene	U		0.000433	0.00127	1	09/14/2017 15:13	WG1020390
2-Hexanone	U		0.00173	0.0127	1	09/14/2017 15:13	WG1020390
n-Hexane	0.000426	J J0	0.000367	0.0127	1	09/14/2017 15:13	WG1020390
Iodomethane	U		0.00320	0.0127	1	09/14/2017 15:13	WG1020390
Isopropylbenzene	U		0.000307	0.00127	1	09/14/2017 15:13	WG1020390
p-Isopropyltoluene	U		0.000258	0.00127	1	09/14/2017 15:13	WG1020390
2-Butanone (MEK)	U	J0	0.00592	0.0127	1	09/14/2017 15:13	WG1020390
Methylene Chloride	U		0.00127	0.00633	1	09/14/2017 15:13	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00238	0.0127	1	09/14/2017 15:13	WG1020390

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

Analyte	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	0.00127	1	09/14/2017 15:13	WG1020390
Naphthalene	U		0.00127	0.00633	1	09/14/2017 15:13	WG1020390
n-Propylbenzene	U		0.000261	0.00127	1	09/14/2017 15:13	WG1020390
Styrene	U		0.000296	0.00127	1	09/14/2017 15:13	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000334	0.00127	1	09/14/2017 15:13	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000462	0.00127	1	09/14/2017 15:13	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000462	0.00127	1	09/14/2017 15:13	WG1020390
Tetrachloroethene	U		0.000349	0.00127	1	09/14/2017 15:13	WG1020390
Toluene	U		0.000549	0.00633	1	09/14/2017 15:13	WG1020390
1,2,3-Trichlorobenzene	U		0.000387	0.00127	1	09/14/2017 15:13	WG1020390
1,2,4-Trichlorobenzene	U		0.000491	0.00127	1	09/14/2017 15:13	WG1020390
1,1,1-Trichloroethane	U		0.000362	0.00127	1	09/14/2017 15:13	WG1020390
1,1,2-Trichloroethane	U		0.000351	0.00127	1	09/14/2017 15:13	WG1020390
Trichloroethene	U		0.000353	0.00127	1	09/14/2017 15:13	WG1020390
Trichlorofluoromethane	U		0.000483	0.00633	1	09/14/2017 15:13	WG1020390
1,2,3-Trichloropropane	U		0.000938	0.00316	1	09/14/2017 15:13	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000267	0.00127	1	09/14/2017 15:13	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000363	0.00127	1	09/14/2017 15:13	WG1020390
1,3,5-Trimethylbenzene	U		0.000337	0.00127	1	09/14/2017 15:13	WG1020390
Vinyl acetate	U		0.00302	0.0127	1	09/14/2017 15:13	WG1020390
Vinyl chloride	U		0.000368	0.00127	1	09/14/2017 15:13	WG1020390
Xylenes, Total	U		0.000883	0.00380	1	09/14/2017 15:13	WG1020390
(S) Toluene-d8	*104*			*80.0-120*		*09/14/2017 15:13*	WG1020390
(S) Dibromofluoromethane	*89.9*			*74.0-131*		*09/14/2017 15:13*	WG1020390
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*09/14/2017 15:13*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.7		1	09/15/2017 11:14	WG1020730

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	1.16	B J	1.01	2.99	25	09/14/2017 16:57	WG1020338
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*09/14/2017 16:57*	WG1020338

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.299	1.49	25	09/18/2017 15:41	WG1020390
Acrylonitrile	U		0.0536	0.299	25	09/18/2017 15:41	WG1020390
Benzene	U		0.00807	0.0299	25	09/18/2017 15:41	WG1020390
Bromobenzene	U		0.00849	0.0299	25	09/18/2017 15:41	WG1020390
Bromodichloromethane	U		0.00759	0.0299	25	09/18/2017 15:41	WG1020390
Bromochloromethane	U		0.0117	0.149	25	09/18/2017 15:41	WG1020390
Bromoform	U		0.0127	0.0299	25	09/18/2017 15:41	WG1020390
Bromomethane	U		0.0400	0.149	25	09/18/2017 15:41	WG1020390
n-Butylbenzene	U		0.00771	0.0299	25	09/18/2017 15:41	WG1020390
sec-Butylbenzene	U		0.00600	0.0299	25	09/18/2017 15:41	WG1020390
tert-Butylbenzene	U		0.00616	0.0299	25	09/18/2017 15:41	WG1020390
Carbon disulfide	U		0.00660	0.0299	25	09/18/2017 15:41	WG1020390
Carbon tetrachloride	U		0.00980	0.0299	25	09/18/2017 15:41	WG1020390
Chlorobenzene	U		0.00634	0.0299	25	09/18/2017 15:41	WG1020390
Chlorodibromomethane	U		0.0111	0.0299	25	09/18/2017 15:41	WG1020390
Chloroethane	U		0.0282	0.149	25	09/18/2017 15:41	WG1020390
Chloroform	U		0.00684	0.149	25	09/18/2017 15:41	WG1020390
Chloromethane	U	J0	0.0112	0.0747	25	09/18/2017 15:41	WG1020390
2-Chlorotoluene	U		0.00899	0.0299	25	09/18/2017 15:41	WG1020390
4-Chlorotoluene	U		0.00717	0.0299	25	09/18/2017 15:41	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.0313	0.149	25	09/18/2017 15:41	WG1020390
1,2-Dibromoethane	U		0.0103	0.0299	25	09/18/2017 15:41	WG1020390
Dibromomethane	U		0.0114	0.0299	25	09/18/2017 15:41	WG1020390
1,2-Dichlorobenzene	U		0.00911	0.0299	25	09/18/2017 15:41	WG1020390
1,3-Dichlorobenzene	U		0.00715	0.0299	25	09/18/2017 15:41	WG1020390
1,4-Dichlorobenzene	U		0.00675	0.0299	25	09/18/2017 15:41	WG1020390
Dichlorodifluoromethane	U		0.0213	0.149	25	09/18/2017 15:41	WG1020390
1,1-Dichloroethane	U		0.00595	0.0299	25	09/18/2017 15:41	WG1020390
1,2-Dichloroethane	U		0.00791	0.0299	25	09/18/2017 15:41	WG1020390
1,1-Dichloroethene	U		0.00906	0.0299	25	09/18/2017 15:41	WG1020390
cis-1,2-Dichloroethene	U		0.00703	0.0299	25	09/18/2017 15:41	WG1020390
trans-1,2-Dichloroethene	U		0.00789	0.0299	25	09/18/2017 15:41	WG1020390
1,2-Dichloropropane	U		0.0107	0.0299	25	09/18/2017 15:41	WG1020390
1,1-Dichloropropene	U		0.00947	0.0299	25	09/18/2017 15:41	WG1020390
1,3-Dichloropropane	U		0.00619	0.0299	25	09/18/2017 15:41	WG1020390
cis-1,3-Dichloropropene	U		0.00783	0.0299	25	09/18/2017 15:41	WG1020390
trans-1,3-Dichloropropene	U		0.00799	0.0299	25	09/18/2017 15:41	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.0232	0.0747	25	09/18/2017 15:41	WG1020390
2,2-Dichloropropane	U		0.00834	0.0299	25	09/18/2017 15:41	WG1020390
Di-isopropyl ether	U	J0	0.00741	0.0299	25	09/18/2017 15:41	WG1020390
Ethylbenzene	U		0.00887	0.0299	25	09/18/2017 15:41	WG1020390
Hexachloro-1,3-butadiene	U		0.0102	0.0299	25	09/18/2017 15:41	WG1020390
2-Hexanone	U		0.0409	0.299	25	09/18/2017 15:41	WG1020390
n-Hexane	U		0.00867	0.299	25	09/18/2017 15:41	WG1020390

Volatile Organic Compounds (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		0.0755	0.299	25	09/18/2017 15:41	WG1020390
Isopropylbenzene	U		0.00727	0.0299	25	09/18/2017 15:41	WG1020390
p-Isopropyltoluene	U		0.00610	0.0299	25	09/18/2017 15:41	WG1020390
2-Butanone (MEK)	U		0.140	0.299	25	09/18/2017 15:41	WG1020390
Methylene Chloride	U		0.0299	0.149	25	09/18/2017 15:41	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.0562	0.299	25	09/18/2017 15:41	WG1020390
Methyl tert-butyl ether	U		0.00634	0.0299	25	09/18/2017 15:41	WG1020390
Naphthalene	U		0.0299	0.149	25	09/18/2017 15:41	WG1020390
n-Propylbenzene	U		0.00616	0.0299	25	09/18/2017 15:41	WG1020390
Styrene	U		0.00699	0.0299	25	09/18/2017 15:41	WG1020390
1,1,1,2-Tetrachloroethane	U		0.00789	0.0299	25	09/18/2017 15:41	WG1020390
1,1,2,2-Tetrachloroethane	U		0.0109	0.0299	25	09/18/2017 15:41	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.0109	0.0299	25	09/18/2017 15:41	WG1020390
Tetrachloroethene	U		0.00825	0.0299	25	09/18/2017 15:41	WG1020390
Toluene	U		0.0129	0.149	25	09/18/2017 15:41	WG1020390
1,2,3-Trichlorobenzene	U		0.00914	0.0299	25	09/18/2017 15:41	WG1020390
1,2,4-Trichlorobenzene	U		0.0116	0.0299	25	09/18/2017 15:41	WG1020390
1,1,1-Trichloroethane	U		0.00855	0.0299	25	09/18/2017 15:41	WG1020390
1,1,2-Trichloroethane	U		0.00827	0.0299	25	09/18/2017 15:41	WG1020390
Trichloroethene	U		0.00834	0.0299	25	09/18/2017 15:41	WG1020390
Trichlorofluoromethane	U		0.0114	0.149	25	09/18/2017 15:41	WG1020390
1,2,3-Trichloropropane	U		0.0221	0.0747	25	09/18/2017 15:41	WG1020390
1,2,4-Trimethylbenzene	U		0.00631	0.0299	25	09/18/2017 15:41	WG1020390
1,2,3-Trimethylbenzene	U		0.00858	0.0299	25	09/18/2017 15:41	WG1020390
1,3,5-Trimethylbenzene	U		0.00795	0.0299	25	09/18/2017 15:41	WG1020390
Vinyl acetate	U		0.0715	0.299	25	09/18/2017 15:41	WG1020390
Vinyl chloride	U		0.00870	0.0299	25	09/18/2017 15:41	WG1020390
Xylenes, Total	U		0.0208	0.0897	25	09/18/2017 15:41	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/18/2017 15:41*	WG1020390
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*09/18/2017 15:41*	WG1020390
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/18/2017 15:41*	WG1020390

Sample Narrative:

L935266-09 WG1020390: Elevated RL. IS failed in both 1x analysis due to matrix interference. Reported from MEOH vial.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/12/2017 13:44	WG1019184
Acrylonitrile	U		0.873	5.00	1	09/12/2017 13:44	WG1019184
Benzene	U		0.0896	0.500	1	09/12/2017 13:44	WG1019184
Bromobenzene	U		0.133	0.500	1	09/12/2017 13:44	WG1019184
Bromodichloromethane	U		0.0800	0.500	1	09/12/2017 13:44	WG1019184
Bromochloromethane	U		0.145	0.500	1	09/12/2017 13:44	WG1019184
Bromoform	U		0.186	0.500	1	09/12/2017 13:44	WG1019184
Bromomethane	U		0.157	2.50	1	09/12/2017 13:44	WG1019184
n-Butylbenzene	U		0.143	0.500	1	09/12/2017 13:44	WG1019184
sec-Butylbenzene	U		0.134	0.500	1	09/12/2017 13:44	WG1019184
tert-Butylbenzene	U		0.183	0.500	1	09/12/2017 13:44	WG1019184
Carbon disulfide	U		0.101	0.500	1	09/12/2017 13:44	WG1019184
Carbon tetrachloride	U		0.159	0.500	1	09/12/2017 13:44	WG1019184
Chlorobenzene	U		0.140	0.500	1	09/12/2017 13:44	WG1019184
Chlorodibromomethane	U		0.128	0.500	1	09/12/2017 13:44	WG1019184
Chloroethane	U		0.141	2.50	1	09/12/2017 13:44	WG1019184
Chloroform	U		0.0860	0.500	1	09/12/2017 13:44	WG1019184
Chloromethane	U		0.153	1.25	1	09/12/2017 13:44	WG1019184
2-Chlorotoluene	U		0.111	0.500	1	09/12/2017 13:44	WG1019184
4-Chlorotoluene	U		0.0972	0.500	1	09/12/2017 13:44	WG1019184
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/12/2017 13:44	WG1019184
1,2-Dibromoethane	U		0.193	0.500	1	09/12/2017 13:44	WG1019184
Dibromomethane	U		0.117	0.500	1	09/12/2017 13:44	WG1019184
1,2-Dichlorobenzene	U		0.101	0.500	1	09/12/2017 13:44	WG1019184
1,3-Dichlorobenzene	U		0.130	0.500	1	09/12/2017 13:44	WG1019184
1,4-Dichlorobenzene	U		0.121	0.500	1	09/12/2017 13:44	WG1019184
Dichlorodifluoromethane	U		0.127	2.50	1	09/12/2017 13:44	WG1019184
1,1-Dichloroethane	U		0.114	0.500	1	09/12/2017 13:44	WG1019184
1,2-Dichloroethane	U		0.108	0.500	1	09/12/2017 13:44	WG1019184
1,1-Dichloroethene	U		0.188	0.500	1	09/12/2017 13:44	WG1019184
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/12/2017 13:44	WG1019184
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/12/2017 13:44	WG1019184
1,2-Dichloropropane	U		0.190	0.500	1	09/12/2017 13:44	WG1019184
1,1-Dichloropropene	U		0.128	0.500	1	09/12/2017 13:44	WG1019184
1,3-Dichloropropane	U		0.147	1.00	1	09/12/2017 13:44	WG1019184
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/12/2017 13:44	WG1019184
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/12/2017 13:44	WG1019184
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/12/2017 13:44	WG1019184
2,2-Dichloropropane	U		0.0929	0.500	1	09/12/2017 13:44	WG1019184
Di-isopropyl ether	U		0.0924	0.500	1	09/12/2017 13:44	WG1019184
Ethylbenzene	U		0.158	0.500	1	09/12/2017 13:44	WG1019184
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/12/2017 13:44	WG1019184
2-Hexanone	U		0.757	5.00	1	09/12/2017 13:44	WG1019184
n-Hexane	U		0.305	5.00	1	09/12/2017 13:44	WG1019184
Iodomethane	U		0.377	10.0	1	09/12/2017 13:44	WG1019184
Isopropylbenzene	U		0.126	0.500	1	09/12/2017 13:44	WG1019184
p-Isopropyltoluene	U		0.138	0.500	1	09/12/2017 13:44	WG1019184
2-Butanone (MEK)	U		1.28	5.00	1	09/12/2017 13:44	WG1019184
Methylene Chloride	U		1.07	2.50	1	09/12/2017 13:44	WG1019184
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/12/2017 13:44	WG1019184
Methyl tert-butyl ether	U		0.102	0.500	1	09/12/2017 13:44	WG1019184
Naphthalene	U		0.174	2.50	1	09/12/2017 13:44	WG1019184
n-Propylbenzene	U		0.162	0.500	1	09/12/2017 13:44	WG1019184
Styrene	U		0.117	0.500	1	09/12/2017 13:44	WG1019184
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/12/2017 13:44	WG1019184
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/12/2017 13:44	WG1019184

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/12/2017 13:44	WG1019184
Tetrachloroethene	U		0.199	0.500	1	09/12/2017 13:44	WG1019184
Toluene	U		0.412	0.500	1	09/12/2017 13:44	WG1019184
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/12/2017 13:44	WG1019184
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/12/2017 13:44	WG1019184
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/12/2017 13:44	WG1019184
1,1,2-Trichloroethane	U		0.186	0.500	1	09/12/2017 13:44	WG1019184
Trichloroethene	0.690		0.153	0.500	1	09/12/2017 13:44	WG1019184
Trichlorofluoromethane	U		0.130	2.50	1	09/12/2017 13:44	WG1019184
1,2,3-Trichloropropane	U		0.247	2.50	1	09/12/2017 13:44	WG1019184
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/12/2017 13:44	WG1019184
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/12/2017 13:44	WG1019184
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/12/2017 13:44	WG1019184
Vinyl acetate	U		0.645	5.00	1	09/12/2017 13:44	WG1019184
Vinyl chloride	U		0.118	0.500	1	09/12/2017 13:44	WG1019184
Xylenes, Total	U		0.316	1.50	1	09/12/2017 13:44	WG1019184
(S) Toluene-d8	*102*			*80.0-120*		*09/12/2017 13:44*	WG1019184
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/12/2017 13:44*	WG1019184
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*09/12/2017 13:44*	WG1019184

Method Blank (MB)

(MB) R3249490-1 09/14/17 13:28

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000900			

L935266-03 Original Sample (OS) • Duplicate (DUP)

(OS) L935266-03 09/14/17 13:28 • (DUP) R3249490-3 09/14/17 13:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	77.7	77.4	1	0.392		5

Laboratory Control Sample (LCS)

(LCS) R3249490-2 09/14/17 13:28

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) R3249769-1 09/15/17 09:48

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

L935266-02 Original Sample (OS) • Duplicate (DUP)

(OS) L935266-02 09/15/17 09:48 • (DUP) R3249769-3 09/15/17 09:48

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.0	86.4	1	0.449		5

Laboratory Control Sample (LCS)

(LCS) R3249769-2 09/15/17 09:48

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

Method Blank (MB)

(MB) R3249774-1 09/15/17 11:14

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

L935270-01 Original Sample (OS) • Duplicate (DUP)

(OS) L935270-01 09/15/17 11:14 • (DUP) R3249774-3 09/15/17 11:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	77.5	81.2	1	4.63		5

Laboratory Control Sample (LCS)

(LCS) R3249774-2 09/15/17 11:14

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) R3249508-3 09/14/17 12:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	0.0413	J	0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*95.3*			*77.0-120*

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

(LCS) R3249508-1 09/14/17 11:34 • (LCSD) R3249508-2 09/14/17 11:56

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	5.48	5.80	99.6	105	70.0-133			5.77	20
(S) a,a,a-Trifluorotoluene(FID)				*108*	*108*	*77.0-120*				

L935266-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L935266-01 09/14/17 16:13 • (MS) R3249508-4 09/14/17 21:22 • (MSD) R3249508-5 09/14/17 21:44

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 %
TPHG C6 - C12	6.38	1.29	128	140	79.2	86.9	25	10.0-146			9.19	30
(S) a,a,a-Trifluorotoluene(FID)					*103*	*104*		*77.0-120*				

Method Blank (MB)

(MB) R3248904-5 09/12/17 10:49

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
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) R3248904-5 09/12/17 10:49

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*101*			*76.0-123*
(S) 4-Bromofluorobenzene	*101*			*80.0-120*

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

(LCS) R3248904-1 09/12/17 09:08 • (LCSD) R3248904-2 09/12/17 09:29

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 %
Acetone	125	156	149	125	120	10.0-160			4.06	23
Acrylonitrile	125	140	137	112	109	60.0-142			2.23	20
Benzene	25.0	25.6	25.7	102	103	69.0-123			0.680	20
Bromobenzene	25.0	23.3	23.7	93.3	94.9	79.0-120			1.75	20
Bromodichloromethane	25.0	25.7	25.9	103	104	76.0-120			0.980	20
Bromochloromethane	25.0	26.6	26.4	107	106	76.0-122			0.930	20
Bromoform	25.0	26.1	26.0	104	104	67.0-132			0.560	20
Bromomethane	25.0	25.4	24.9	102	99.7	18.0-160			2.03	20
n-Butylbenzene	25.0	26.8	27.1	107	108	72.0-126			1.34	20
sec-Butylbenzene	25.0	25.2	25.6	101	102	74.0-121			1.29	20
tert-Butylbenzene	25.0	24.7	25.1	99.0	100	75.0-122			1.31	20
Carbon disulfide	25.0	25.7	25.9	103	104	55.0-127			0.620	20
Carbon tetrachloride	25.0	24.6	24.9	98.5	99.5	63.0-122			0.990	20
Chlorobenzene	25.0	25.3	25.6	101	102	79.0-121			1.41	20
Chlorodibromomethane	25.0	26.4	26.5	106	106	75.0-125			0.610	20
Chloroethane	25.0	25.3	25.3	101	101	47.0-152			0.0500	20
Chloroform	25.0	25.9	25.8	103	103	72.0-121			0.100	20
Chloromethane	25.0	23.0	23.2	92.2	92.9	48.0-139			0.800	20
2-Chlorotoluene	25.0	24.5	24.6	98.0	98.5	74.0-122			0.580	20
4-Chlorotoluene	25.0	24.2	24.7	96.9	99.0	79.0-120			2.08	20
1,2-Dibromo-3-Chloropropane	25.0	24.7	24.5	98.7	98.2	64.0-127			0.560	20
1,2-Dibromoethane	25.0	26.2	26.3	105	105	77.0-123			0.480	20
Dibromomethane	25.0	26.1	26.2	104	105	78.0-120			0.520	20
1,2-Dichlorobenzene	25.0	25.2	25.3	101	101	80.0-120			0.510	20
1,3-Dichlorobenzene	25.0	25.2	25.0	101	99.9	72.0-123			0.750	20
1,4-Dichlorobenzene	25.0	24.3	24.7	97.3	98.9	77.0-120			1.62	20
Dichlorodifluoromethane	25.0	24.8	24.6	99.2	98.4	49.0-155			0.830	20
1,1-Dichloroethane	25.0	26.3	26.2	105	105	70.0-126			0.480	20
1,2-Dichloroethane	25.0	26.6	26.5	106	106	67.0-126			0.460	20
1,1-Dichloroethene	25.0	26.1	26.4	104	106	64.0-129			1.31	20
cis-1,2-Dichloroethene	25.0	25.7	25.6	103	102	73.0-120			0.400	20
trans-1,2-Dichloroethene	25.0	25.9	26.1	104	104	71.0-121			0.590	20
1,2-Dichloropropane	25.0	26.9	27.0	108	108	75.0-125			0.380	20
1,1-Dichloropropene	25.0	26.0	26.3	104	105	71.0-129			1.29	20
1,3-Dichloropropane	25.0	25.5	26.1	102	104	80.0-121			2.05	20
cis-1,3-Dichloropropene	25.0	28.7	29.0	115	116	79.0-123			0.900	20
trans-1,3-Dichloropropene	25.0	28.4	28.5	114	114	74.0-127			0.140	20
trans-1,4-Dichloro-2-butene	25.0	22.9	23.2	91.4	92.9	55.0-134			1.56	20
2,2-Dichloropropane	25.0	24.9	24.7	99.7	98.9	60.0-125			0.760	20
Di-isopropyl ether	25.0	26.2	26.1	105	104	59.0-133			0.410	20

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

(LCS) R3248904-1 09/12/17 09:08 • (LCSD) R3248904-2 09/12/17 09:29

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 %
Ethylbenzene	25.0	24.8	25.3	99.2	101	77.0-120			1.78	20
Hexachloro-1,3-butadiene	25.0	27.3	27.6	109	111	64.0-131			1.20	20
2-Hexanone	125	144	146	115	117	58.0-147			1.17	20
n-Hexane	25.0	27.1	27.5	109	110	56.0-124			1.52	20
Iodomethane	125	134	133	107	107	57.0-140			0.180	20
Isopropylbenzene	25.0	24.2	24.8	96.7	99.2	75.0-120			2.61	20
p-Isopropyltoluene	25.0	26.3	26.5	105	106	74.0-126			0.800	20
2-Butanone (MEK)	125	119	118	94.8	94.4	37.0-158			0.420	20
Methylene Chloride	25.0	25.8	25.8	103	103	66.0-121			0.0800	20
4-Methyl-2-pentanone (MIBK)	125	137	137	110	110	59.0-143			0.0500	20
Methyl tert-butyl ether	25.0	25.5	25.3	102	101	64.0-123			0.810	20
Naphthalene	25.0	24.5	25.1	98.2	100	62.0-128			2.12	20
n-Propylbenzene	25.0	24.9	25.4	99.7	102	79.0-120			1.84	20
Styrene	25.0	25.5	25.9	102	104	78.0-124			1.65	20
1,1,1,2-Tetrachloroethane	25.0	25.5	25.6	102	103	75.0-122			0.540	20
1,1,2,2-Tetrachloroethane	25.0	26.0	26.2	104	105	71.0-122			0.750	20
1,1,2-Trichlorotrifluoroethane	25.0	26.8	26.9	107	108	61.0-136			0.410	20
Tetrachloroethene	25.0	24.8	25.2	99.3	101	70.0-127			1.36	20
Toluene	25.0	24.6	24.9	98.2	99.5	77.0-120			1.34	20
1,2,3-Trichlorobenzene	25.0	27.7	28.0	111	112	61.0-133			1.02	20
1,2,4-Trichlorobenzene	25.0	27.4	27.2	110	109	69.0-129			0.550	20
1,1,1-Trichloroethane	25.0	25.8	26.0	103	104	68.0-122			0.620	20
1,1,2-Trichloroethane	25.0	26.2	26.1	105	104	78.0-120			0.360	20
Trichloroethene	25.0	24.5	25.2	98.1	101	78.0-120			2.54	20
Trichlorofluoromethane	25.0	25.7	25.6	103	103	56.0-137			0.430	20
1,2,3-Trichloropropane	25.0	25.6	25.4	102	101	72.0-124			0.870	20
1,2,4-Trimethylbenzene	25.0	25.2	25.1	101	100	75.0-120			0.420	20
1,2,3-Trimethylbenzene	25.0	23.2	23.3	92.9	93.1	75.0-120			0.170	20
1,3,5-Trimethylbenzene	25.0	24.5	25.0	97.9	100	75.0-120			2.06	20
Vinyl acetate	125	177	175	141	140	46.0-160			0.720	20
Vinyl chloride	25.0	25.1	25.2	100	101	64.0-133			0.370	20
Xylenes, Total	75.0	75.2	76.4	100	102	77.0-120			1.58	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*103*	*101*	*76.0-123*				
(S) 4-Bromofluorobenzene				*101*	*101*	*80.0-120*				

Method Blank (MB)

(MB) R3248785-3 09/12/17 11:54

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) R3248785-3 09/12/17 11:54

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
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
2-Hexanone	U		0.00137	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	0.00232	J	0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Naphthalene	U		0.00100	0.00500
Methyl tert-butyl ether	U		0.000212	0.00100
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
1,2,3-Trimethylbenzene	U		0.000287	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
1,2,4-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	*94.7*			*74.0-131*
(S) 4-Bromofluorobenzene	*97.1*			*64.0-132*

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

(LCS) R3248785-1 09/12/17 10:27 • (LCSD) R3248785-6 09/12/17 20:06

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 %
Acetone	0.125	0.0613	0.0800	49.1	64.0	11.0-160		J3	26.4	23
Benzene	0.0250	0.0240	0.0273	96.0	109	71.0-124			12.8	20
Acrylonitrile	0.125	0.113	0.121	90.7	97.1	61.0-143			6.84	20
Bromobenzene	0.0250	0.0199	0.0220	79.7	88.0	78.0-120			10.0	20
Bromodichloromethane	0.0250	0.0200	0.0226	80.1	90.6	75.0-120			12.3	20
Bromochloromethane	0.0250	0.0240	0.0264	96.0	106	80.0-121			9.54	20
Bromoform	0.0250	0.0209	0.0227	83.4	90.8	65.0-133			8.51	20
Bromomethane	0.0250	0.0204	0.0236	81.6	94.5	26.0-160			14.6	20
n-Butylbenzene	0.0250	0.0211	0.0244	84.6	97.7	73.0-126			14.4	20
sec-Butylbenzene	0.0250	0.0224	0.0255	89.6	102	75.0-121			12.8	20
tert-Butylbenzene	0.0250	0.0223	0.0251	89.2	100	74.0-122			11.8	20
Carbon disulfide	0.0250	0.0221	0.0246	88.3	98.2	53.0-130			10.7	20
Carbon tetrachloride	0.0250	0.0198	0.0225	79.1	90.1	66.0-123			13.0	20
Chlorobenzene	0.0250	0.0240	0.0274	95.9	110	79.0-121			13.2	20
Chlorodibromomethane	0.0250	0.0222	0.0242	88.6	96.8	74.0-128			8.84	20
Chloroethane	0.0250	0.0191	0.0221	76.6	88.4	51.0-147			14.3	20
Chloroform	0.0250	0.0217	0.0249	86.9	99.5	73.0-123			13.4	20
Chloromethane	0.0250	0.0246	0.0285	98.2	114	51.0-138			14.9	20
2-Chlorotoluene	0.0250	0.0206	0.0235	82.3	94.1	72.0-124			13.3	20
4-Chlorotoluene	0.0250	0.0204	0.0234	81.4	93.7	78.0-120			14.0	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0198	0.0211	79.4	84.6	65.0-126			6.35	20
1,2-Dibromoethane	0.0250	0.0231	0.0249	92.3	99.4	78.0-122			7.39	20
Dibromomethane	0.0250	0.0204	0.0226	81.5	90.4	79.0-120			10.4	20
1,2-Dichlorobenzene	0.0250	0.0225	0.0256	90.1	102	80.0-120			12.6	20
1,3-Dichlorobenzene	0.0250	0.0226	0.0261	90.5	105	72.0-123			14.4	20
1,4-Dichlorobenzene	0.0250	0.0210	0.0243	83.9	97.1	77.0-120			14.7	20
Dichlorodifluoromethane	0.0250	0.0196	0.0232	78.4	92.9	49.0-155			16.9	20
trans-1,4-Dichloro-2-butene	0.0250	0.0145	0.0152	58.0	60.7	68.0-126	J4	J4	4.64	20
1,1-Dichloroethane	0.0250	0.0230	0.0262	92.1	105	70.0-128			12.8	20
1,2-Dichloroethane	0.0250	0.0168	0.0187	67.3	74.8	69.0-128	J4		10.4	20
1,1-Dichloroethene	0.0250	0.0223	0.0257	89.2	103	63.0-131			14.1	20
cis-1,2-Dichloroethene	0.0250	0.0233	0.0264	93.2	106	74.0-123			12.5	20
trans-1,2-Dichloroethene	0.0250	0.0243	0.0279	97.1	112	72.0-122			13.9	20
1,2-Dichloropropane	0.0250	0.0238	0.0269	95.4	108	75.0-126			12.1	20
1,1-Dichloropropene	0.0250	0.0220	0.0246	88.2	98.6	72.0-130			11.1	20
1,3-Dichloropropane	0.0250	0.0222	0.0241	88.8	96.5	80.0-121			8.32	20
cis-1,3-Dichloropropene	0.0250	0.0217	0.0243	87.0	97.4	80.0-125			11.3	20
trans-1,3-Dichloropropene	0.0250	0.0204	0.0223	81.6	89.0	75.0-129			8.75	20
2,2-Dichloropropane	0.0250	0.0218	0.0250	87.1	100	60.0-129			13.9	20
Ethylbenzene	0.0250	0.0242	0.0278	97.0	111	77.0-120			13.6	20

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

(LCS) R3248785-1 09/12/17 10:27 • (LCSD) R3248785-6 09/12/17 20:06

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 %
Di-isopropyl ether	0.0250	0.0251	0.0278	100	111	62.0-133			10.1	20
2-Hexanone	0.125	0.0941	0.106	75.3	85.2	61.0-143			12.3	20
Hexachloro-1,3-butadiene	0.0250	0.0232	0.0258	92.9	103	68.0-128			10.7	20
Isopropylbenzene	0.0250	0.0217	0.0246	86.6	98.4	75.0-120			12.7	20
n-Hexane	0.0250	0.0259	0.0284	103	114	57.0-125			9.38	20
Iodomethane	0.125	0.119	0.140	94.8	112	67.0-132			16.6	20
p-Isopropyltoluene	0.0250	0.0221	0.0252	88.2	101	74.0-125			13.3	20
2-Butanone (MEK)	0.125	0.0798	0.0933	63.8	74.6	37.0-159			15.6	20
Methylene Chloride	0.0250	0.0227	0.0254	90.7	102	67.0-123			11.3	20
4-Methyl-2-pentanone (MIBK)	0.125	0.100	0.105	80.4	83.7	60.0-144			4.00	20
Methyl tert-butyl ether	0.0250	0.0210	0.0217	83.9	87.0	66.0-125			3.59	20
n-Propylbenzene	0.0250	0.0218	0.0249	87.3	99.7	78.0-120			13.2	20
Styrene	0.0250	0.0241	0.0272	96.6	109	78.0-124			11.9	20
1,1,1,2-Tetrachloroethane	0.0250	0.0239	0.0267	95.5	107	74.0-124			11.2	20
Naphthalene	0.0250	0.0191	0.0203	76.3	81.3	64.0-125			6.32	20
1,1,2,2-Tetrachloroethane	0.0250	0.0217	0.0234	86.7	93.6	73.0-120			7.67	20
Tetrachloroethene	0.0250	0.0262	0.0304	105	122	70.0-127			15.0	20
Toluene	0.0250	0.0240	0.0269	95.9	108	77.0-120			11.6	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0219	0.0259	87.4	104	64.0-135			16.9	20
1,2,3-Trichlorobenzene	0.0250	0.0206	0.0224	82.5	89.8	68.0-126			8.39	20
1,2,4-Trichlorobenzene	0.0250	0.0205	0.0240	82.2	95.9	70.0-127			15.4	20
1,1,1-Trichloroethane	0.0250	0.0218	0.0251	87.0	100	69.0-125			14.2	20
1,1,2-Trichloroethane	0.0250	0.0232	0.0252	92.7	101	78.0-120			8.29	20
Trichloroethene	0.0250	0.0236	0.0265	94.2	106	79.0-120			11.9	20
Trichlorofluoromethane	0.0250	0.0197	0.0226	78.6	90.5	59.0-136			14.0	20
1,2,3-Trichloropropane	0.0250	0.0189	0.0201	75.7	80.3	73.0-124			5.93	20
1,2,4-Trimethylbenzene	0.0250	0.0205	0.0235	81.9	93.9	75.0-120			13.5	20
1,3,5-Trimethylbenzene	0.0250	0.0213	0.0243	85.4	97.3	75.0-120			13.0	20
1,2,3-Trimethylbenzene	0.0250	0.0195	0.0219	78.1	87.5	76.0-120			11.4	20
Vinyl acetate	0.125	0.115	0.121	91.7	96.8	58.0-156			5.40	20
Vinyl chloride	0.0250	0.0224	0.0261	89.7	104	63.0-134			15.1	20
Xylenes, Total	0.0750	0.0741	0.0839	98.8	112	77.0-120			12.4	20
(S) Toluene-d8				*106*	*104*	*80.0-120*				
(S) Dibromofluoromethane				*95.5*	*95.8*	*74.0-131*				
(S) 4-Bromofluorobenzene				*95.6*	*93.2*	*64.0-132*				

L935438-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L935438-01 09/12/17 16:58 • (MS) R3248785-4 09/12/17 15:51 • (MSD) R3248785-5 09/12/17 16:13

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	0.208	U	0.0418	0.0488	20.1	23.5	1	10.0-160			15.3	36
Benzene	0.0415	U	0.00775	0.00887	18.7	21.3	1	13.0-146			13.4	27
Bromobenzene	0.0415	U	0.0139	0.0157	33.5	37.8	1	10.0-149			12.2	33
Bromodichloromethane	0.0415	U	0.0141	0.0162	34.0	38.9	1	15.0-142			13.4	28
Acrylonitrile	0.208	U	0.0875	0.106	42.2	50.8	1	14.0-160			18.6	33
Bromochloromethane	0.0415	U	0.00851	0.0104	20.5	25.0	1	24.0-146	J6		19.8	27
Bromoform	0.0415	U	0.0159	0.0200	38.2	48.1	1	10.0-147			22.9	31
Bromomethane	0.0415	U	ND	ND	0.000	0.000	1	10.0-160	J6	J6	0.000	32
n-Butylbenzene	0.0415	U	0.0169	0.0186	40.6	44.8	1	10.0-154			9.86	37
sec-Butylbenzene	0.0415	U	0.0178	0.0196	42.9	47.1	1	10.0-151			9.30	36
tert-Butylbenzene	0.0415	U	0.0178	0.0200	42.8	48.1	1	10.0-152			11.6	35
Carbon disulfide	0.0415	U	ND	ND	0.000	0.000	1	10.0-141	J6	J6	0.000	30
Carbon tetrachloride	0.0415	U	0.00807	0.00910	19.4	21.9	1	13.0-140			12.0	30
Chlorobenzene	0.0415	U	0.0138	0.0156	33.3	37.4	1	10.0-149			11.6	31
Chlorodibromomethane	0.0415	U	0.0164	0.0185	39.5	44.6	1	12.0-147			12.2	29
Chloroethane	0.0415	U	0.00201	0.00236	4.83	5.69	1	10.0-159	J6	J6	16.3	33
Chloroform	0.0415	U	0.0134	0.0154	32.2	37.0	1	18.0-148			13.9	28
Chloromethane	0.0415	U	0.00111	0.00105	2.67	2.53	1	10.0-146	J6	J6	5.43	29
2-Chlorotoluene	0.0415	U	0.0147	0.0166	35.5	40.1	1	10.0-151			12.1	35
4-Chlorotoluene	0.0415	U	0.0150	0.0170	36.0	40.9	1	10.0-150			12.7	35
1,2-Dibromo-3-Chloropropane	0.0415	U	0.0203	0.0255	48.9	61.4	1	10.0-149			22.6	34
1,2-Dibromoethane	0.0415	U	0.0127	0.0152	30.5	36.6	1	14.0-145			18.2	28
Dibromomethane	0.0415	U	0.00969	0.0119	23.3	28.5	1	18.0-144			20.2	27
1,2-Dichlorobenzene	0.0415	U	0.0177	0.0204	42.6	49.0	1	10.0-153			14.0	34
1,3-Dichlorobenzene	0.0415	U	0.0171	0.0190	41.2	45.7	1	10.0-150			10.5	35
1,4-Dichlorobenzene	0.0415	U	0.0163	0.0184	39.3	44.3	1	10.0-148			12.1	34
Dichlorodifluoromethane	0.0415	U	0.00233	0.00255	5.61	6.14	1	10.0-160	J6	J6	9.07	30
1,1-Dichloroethane	0.0415	U	0.0107	0.0124	25.8	29.8	1	19.0-148			14.3	28
1,2-Dichloroethane	0.0415	U	0.00828	0.00964	19.9	23.2	1	17.0-147			15.1	27
trans-1,4-Dichloro-2-butene	0.0415	U	0.0129	0.0170	31.2	40.9	1	10.0-160			27.0	40
1,1-Dichloroethene	0.0415	U	0.00332	0.00391	7.98	9.41	1	10.0-150	J6	J6	16.4	31
cis-1,2-Dichloroethene	0.0415	U	0.00956	0.0109	23.0	26.2	1	16.0-145			13.0	28
trans-1,2-Dichloroethene	0.0415	U	0.00339	0.00387	8.17	9.31	1	11.0-142	J6	J6	13.1	29
1,2-Dichloropropane	0.0415	U	0.0141	0.0163	34.0	39.2	1	17.0-148			14.2	28
1,1-Dichloropropene	0.0415	U	0.00479	0.00551	11.5	13.3	1	10.0-150			14.0	30
1,3-Dichloropropane	0.0415	U	0.0135	0.0163	32.4	39.1	1	16.0-148			18.8	27
cis-1,3-Dichloropropene	0.0415	U	0.0109	0.0127	26.3	30.6	1	13.0-150			15.3	28
trans-1,3-Dichloropropene	0.0415	U	0.0114	0.0134	27.5	32.2	1	10.0-152			15.8	29
2,2-Dichloropropane	0.0415	U	0.0124	0.0145	29.7	34.8	1	16.0-143			15.8	30

L935438-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L935438-01 09/12/17 16:58 • (MS) R3248785-4 09/12/17 15:51 • (MSD) R3248785-5 09/12/17 16:13

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0415	U	0.0134	0.0149	32.3	36.0	1	10.0-147			10.8	31
Di-isopropyl ether	0.0415	U	0.0164	0.0187	39.5	45.1	1	16.0-149			13.3	28
2-Hexanone	0.208	U	0.0823	0.102	39.6	49.1	1	12.0-158			21.4	30
Hexachloro-1,3-butadiene	0.0415	U	0.0197	0.0213	47.3	51.2	1	10.0-154			7.94	40
Isopropylbenzene	0.0415	U	0.0149	0.0168	35.9	40.4	1	10.0-147			11.9	33
p-Isopropyltoluene	0.0415	U	0.0173	0.0190	41.6	45.8	1	10.0-156			9.64	37
2-Butanone (MEK)	0.208	U	0.0585	0.0714	28.2	34.4	1	10.0-160			19.9	33
n-Hexane	0.0415	U	0.00238	0.00235	5.72	5.66	1	10.0-140	J6	J6	1.15	34
Iodomethane	0.208	U	0.0133	0.0154	6.42	7.44	1	10.0-157	J6	J6	14.6	34
Methylene Chloride	0.0415	U	0.00624	0.00739	15.0	17.8	1	16.0-139	J6		16.9	29
4-Methyl-2-pentanone (MIBK)	0.208	U	0.0888	0.109	42.8	52.7	1	12.0-160			20.8	32
Methyl tert-butyl ether	0.0415	U	0.0133	0.0165	32.1	39.6	1	21.0-145			21.1	29
n-Propylbenzene	0.0415	U	0.0150	0.0169	36.1	40.8	1	10.0-151			12.1	34
Styrene	0.0415	U	0.0155	0.0139	37.4	33.4	1	10.0-155			11.3	34
1,1,1,2-Tetrachloroethane	0.0415	U	0.0181	0.0207	43.7	49.9	1	10.0-147			13.3	30
1,1,2,2-Tetrachloroethane	0.0415	U	0.0195	0.0242	46.9	58.2	1	10.0-155			21.6	31
Naphthalene	0.0415	U	0.0175	0.0211	42.2	50.8	1	10.0-153			18.5	36
Tetrachloroethene	0.0415	U	0.00792	0.00898	19.1	21.6	1	10.0-144			12.5	32
Toluene	0.0415	U	0.00928	0.0105	22.3	25.4	1	10.0-144			12.8	28
1,1,2-Trichlorotrifluoroethane	0.0415	U	0.00880	0.0100	21.2	24.2	1	10.0-153			13.3	33
1,2,3-Trichlorobenzene	0.0415	U	0.0170	0.0199	40.9	47.8	1	10.0-153			15.7	40
1,2,4-Trichlorobenzene	0.0415	U	0.0176	0.0201	42.4	48.3	1	10.0-156			13.2	40
1,1,1-Trichloroethane	0.0415	U	0.0112	0.0128	27.0	30.9	1	18.0-145			13.6	29
1,1,2-Trichloroethane	0.0415	U	0.0167	0.0200	40.2	48.1	1	12.0-151			17.9	28
Trichloroethene	0.0415	0.00298	0.0109	0.0117	19.1	21.0	1	11.0-148			6.76	29
Trichlorofluoromethane	0.0415	U	0.00471	0.00542	11.3	13.0	1	10.0-157			14.0	34
1,2,3-Trichloropropane	0.0415	U	0.0167	0.0202	40.1	48.6	1	10.0-154			19.1	32
1,2,4-Trimethylbenzene	0.0415	U	0.0152	0.0169	36.6	40.6	1	10.0-151			10.3	34
1,3,5-Trimethylbenzene	0.0415	U	0.0150	0.0167	36.0	40.1	1	10.0-150			10.7	33
Vinyl acetate	0.208	U	0.0570	0.0667	27.4	32.1	1	10.0-160			15.7	40
Vinyl chloride	0.0415	U	0.00116	0.00133	2.80	3.20	1	10.0-150	J6	J6	13.2	29
1,2,3-Trimethylbenzene	0.0415	U	0.0154	0.0177	37.1	42.6	1	10.0-150			13.9	33
Xylenes, Total	0.125	U	0.0410	0.0450	32.9	36.1	1	10.0-150			9.27	31
(S) Toluene-d8					*98.1*	*96.8*		*80.0-120*				
(S) Dibromofluoromethane					*100*	*102*		*74.0-131*				
(S) 4-Bromofluorobenzene					*93.7*	*94.8*		*64.0-132*				

Method Blank (MB)

(MB) R3250116-3 09/14/17 12:51

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) R3250116-3 09/14/17 12:51

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	*107*			*80.0-120*
(S) Dibromofluoromethane	*92.1*			*74.0-131*
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*

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

(LCS) R3250116-1 09/14/17 10:41 • (LCSD) R3250116-2 09/14/17 11:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0741	0.0814	59.3	65.1	11.0-160			9.34	23
Acrylonitrile	0.125	0.0983	0.0967	78.7	77.4	61.0-143			1.65	20
Benzene	0.0250	0.0209	0.0215	83.7	85.8	71.0-124			2.47	20
Bromobenzene	0.0250	0.0197	0.0210	78.9	83.8	78.0-120			6.08	20
Bromodichloromethane	0.0250	0.0221	0.0227	88.2	90.9	75.0-120			2.99	20
Bromochloromethane	0.0250	0.0231	0.0225	92.5	90.2	80.0-121			2.57	20
Bromoform	0.0250	0.0229	0.0240	91.5	95.8	65.0-133			4.63	20
Bromomethane	0.0250	0.0189	0.0203	75.4	81.2	26.0-160			7.35	20
n-Butylbenzene	0.0250	0.0211	0.0223	84.4	89.2	73.0-126			5.52	20
sec-Butylbenzene	0.0250	0.0210	0.0222	83.8	89.0	75.0-121			6.00	20
tert-Butylbenzene	0.0250	0.0210	0.0226	84.0	90.4	74.0-122			7.28	20
Carbon disulfide	0.0250	0.0193	0.0207	77.4	82.9	53.0-130			6.90	20
Carbon tetrachloride	0.0250	0.0212	0.0224	84.9	89.4	66.0-123			5.21	20
Chlorobenzene	0.0250	0.0248	0.0273	99.2	109	79.0-121			9.77	20
Chlorodibromomethane	0.0250	0.0245	0.0268	97.9	107	74.0-128			9.18	20
Chloroethane	0.0250	0.0173	0.0187	69.3	75.0	51.0-147			7.88	20
Chloroform	0.0250	0.0208	0.0219	83.1	87.4	73.0-123			5.00	20
Chloromethane	0.0250	0.0154	0.0166	61.8	66.3	51.0-138			7.08	20
2-Chlorotoluene	0.0250	0.0207	0.0220	82.7	87.8	72.0-124			5.97	20
4-Chlorotoluene	0.0250	0.0198	0.0213	79.3	85.2	78.0-120			7.23	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0225	0.0228	90.2	91.0	65.0-126			0.960	20
1,2-Dibromoethane	0.0250	0.0244	0.0259	97.8	104	78.0-122			5.86	20
Dibromomethane	0.0250	0.0219	0.0232	87.5	92.7	79.0-120			5.72	20
1,2-Dichlorobenzene	0.0250	0.0229	0.0244	91.4	97.4	80.0-120			6.39	20
1,3-Dichlorobenzene	0.0250	0.0232	0.0245	92.8	98.0	72.0-123			5.48	20
1,4-Dichlorobenzene	0.0250	0.0212	0.0224	84.9	89.8	77.0-120			5.57	20
trans-1,4-Dichloro-2-butene	0.0250	0.0213	0.0190	85.0	76.2	68.0-126			10.9	20
Dichlorodifluoromethane	0.0250	0.0186	0.0199	74.4	79.8	49.0-155			6.92	20
1,1-Dichloroethane	0.0250	0.0215	0.0215	85.9	86.0	70.0-128			0.120	20
1,2-Dichloroethane	0.0250	0.0219	0.0214	87.6	85.8	69.0-128			2.10	20
1,1-Dichloroethene	0.0250	0.0195	0.0211	77.9	84.4	63.0-131			8.00	20
cis-1,2-Dichloroethene	0.0250	0.0198	0.0206	79.1	82.2	74.0-123			3.81	20
trans-1,2-Dichloroethene	0.0250	0.0200	0.0208	79.9	83.2	72.0-122			4.04	20
1,2-Dichloropropane	0.0250	0.0220	0.0229	87.8	91.5	75.0-126			4.14	20
1,1-Dichloropropene	0.0250	0.0210	0.0215	84.0	86.0	72.0-130			2.31	20
1,3-Dichloropropane	0.0250	0.0243	0.0261	97.0	104	80.0-121			7.38	20
cis-1,3-Dichloropropene	0.0250	0.0259	0.0277	103	111	80.0-125			6.82	20
trans-1,3-Dichloropropene	0.0250	0.0261	0.0277	104	111	75.0-129			5.93	20
2,2-Dichloropropane	0.0250	0.0204	0.0212	81.7	84.6	60.0-129			3.54	20
Di-isopropyl ether	0.0250	0.0189	0.0191	75.6	76.5	62.0-133			1.13	20

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

(LCS) R3250116-1 09/14/17 10:41 • (LCSD) R3250116-2 09/14/17 11:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0231	0.0250	92.5	100	77.0-120			7.86	20
Hexachloro-1,3-butadiene	0.0250	0.0238	0.0254	95.4	101	68.0-128			6.11	20
2-Hexanone	0.125	0.109	0.112	87.2	89.3	61.0-143			2.28	20
n-Hexane	0.0250	0.0175	0.0188	70.0	75.2	57.0-125			7.13	20
Iodomethane	0.125	0.126	0.132	101	106	67.0-132			5.09	20
Isopropylbenzene	0.0250	0.0204	0.0218	81.6	87.0	75.0-120			6.42	20
p-Isopropyltoluene	0.0250	0.0218	0.0234	87.3	93.7	74.0-125			7.08	20
2-Butanone (MEK)	0.125	0.0952	0.0907	76.2	72.5	37.0-159			4.89	20
Methylene Chloride	0.0250	0.0189	0.0198	75.7	79.3	67.0-123			4.69	20
4-Methyl-2-pentanone (MIBK)	0.125	0.111	0.113	89.1	90.1	60.0-144			1.10	20
Methyl tert-butyl ether	0.0250	0.0196	0.0205	78.2	81.9	66.0-125			4.51	20
Naphthalene	0.0250	0.0204	0.0222	81.8	88.7	64.0-125			8.17	20
n-Propylbenzene	0.0250	0.0205	0.0220	82.1	88.0	78.0-120			6.95	20
Styrene	0.0250	0.0212	0.0226	84.9	90.5	78.0-124			6.43	20
1,1,1,2-Tetrachloroethane	0.0250	0.0237	0.0258	94.8	103	74.0-124			8.69	20
1,1,2,2-Tetrachloroethane	0.0250	0.0199	0.0209	79.4	83.6	73.0-120			5.08	20
Tetrachloroethene	0.0250	0.0268	0.0291	107	116	70.0-127			8.13	20
Toluene	0.0250	0.0223	0.0240	89.1	96.1	77.0-120			7.63	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0205	0.0219	82.1	87.6	64.0-135			6.48	20
1,2,3-Trichlorobenzene	0.0250	0.0233	0.0253	93.3	101	68.0-126			8.24	20
1,2,4-Trichlorobenzene	0.0250	0.0236	0.0249	94.3	99.7	70.0-127			5.59	20
1,1,1-Trichloroethane	0.0250	0.0207	0.0214	83.0	85.7	69.0-125			3.24	20
1,1,2-Trichloroethane	0.0250	0.0226	0.0243	90.3	97.1	78.0-120			7.23	20
Trichloroethene	0.0250	0.0238	0.0249	95.4	99.7	79.0-120			4.47	20
Trichlorofluoromethane	0.0250	0.0229	0.0241	91.5	96.2	59.0-136			4.98	20
1,2,3-Trichloropropane	0.0250	0.0202	0.0210	80.9	84.2	73.0-124			3.98	20
1,2,3-Trimethylbenzene	0.0250	0.0193	0.0205	77.1	82.0	76.0-120			6.13	20
1,2,4-Trimethylbenzene	0.0250	0.0194	0.0206	77.6	82.4	75.0-120			5.99	20
1,3,5-Trimethylbenzene	0.0250	0.0205	0.0223	82.1	89.1	75.0-120			8.17	20
Vinyl acetate	0.125	0.111	0.110	88.8	88.4	58.0-156			0.510	20
Vinyl chloride	0.0250	0.0199	0.0211	79.7	84.2	63.0-134			5.52	20
Xylenes, Total	0.0750	0.0683	0.0740	91.1	98.7	77.0-120			8.01	20
(S) Toluene-d8				*106*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*92.7*	*90.8*	*74.0-131*				
(S) 4-Bromofluorobenzene				*87.9*	*87.3*	*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.
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.

State Accreditations

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

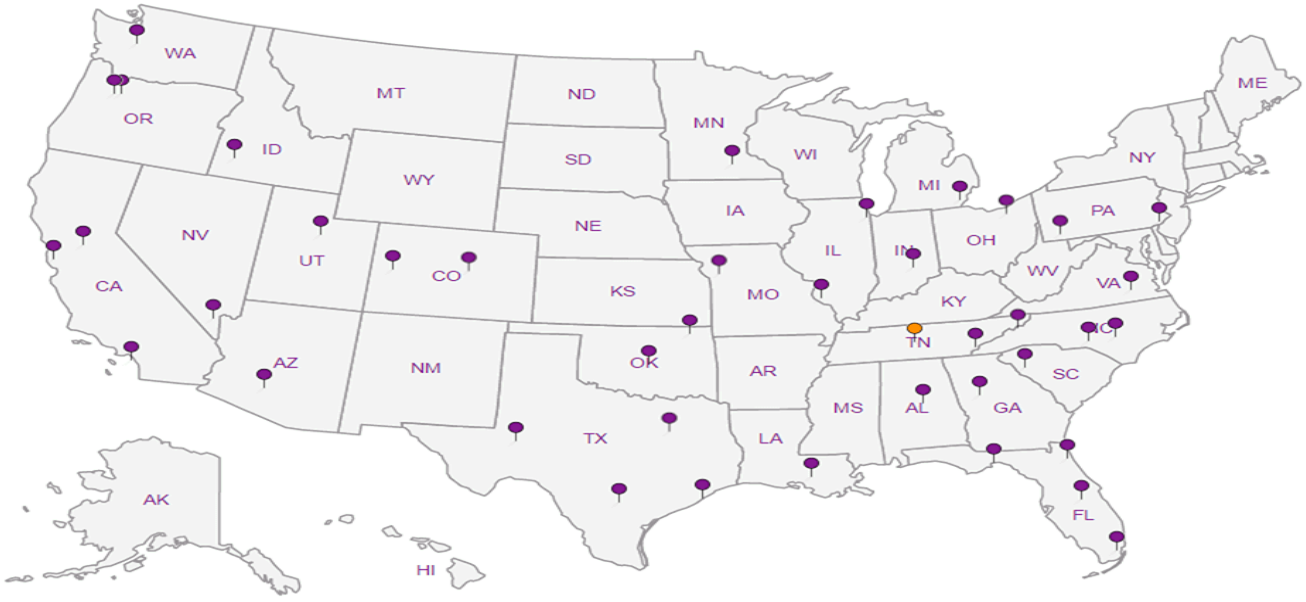
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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.**



COOLER 2

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

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	TS 4ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	VOCs 8260								Remarks	Sample # (lab only)
B-212-65	GRAB	SS	65	9/8/17	1230	5	X	X	X										-01
B-212-75		SS	75		1350	5	X	X	X										-02
B-214-65		SS	65		1030	~~4~~ 5	~~X~~	X	X										-03
B-214-75		SS	75		1110	~~4~~ 5	~~X~~	X	X										-04
B-214-85		SS	85		1155	~~4~~ 5	~~X~~	X	X										-05
B-908-100		SS	100		1230	~~4~~ 5	~~X~~	X	X										-06
B-214-95		SS	95		1310	~~4~~ 5	~~X~~	X	X										-07
B-214-105		SS	105		1400	~~4~~ 5	~~X~~	X	X										-08
B-907-25		SS	25		0830	5	X	X	X										-09
TRIPBLANK-090817	NA	~~SS~~ NA	NA	9/10/17	NA	~~1~~ 2	~~X~~	~~X~~	~~X~~	X									-10

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

ESC LAB SCIENCES
a subsidiary of Pace Analytical

12065 Lebanon Rd
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Fax: 615-758-5859

L# L935266

Table # B184

Acctnum: PESENVSWA
Template: T126584
Prelogin: P615998
TSR: 110 - Brian Ford
PB: 8.31.17 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 # 747409270968

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: 1.7 °C Bottles Received: 39
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/9/17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF (OK)

MEMORANDUM

TO: Project File **DATE:** October 13, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 8, 2017 – Soil Samples

LAB: ESC Lab ID L935266

Nine (9) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 8, 2017. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L935266. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L935266 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 8, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 1.7 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved waters from the date of sample 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 soils from the date of sample collection. All holding time criteria were met.

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, 1,2-dichloroethane, trans-1,4-dichloro-2-butene, and 2-butanone (MEK) associated with analytical batch WG1019379 (analyzed on September 12, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromobenzene, chloroethane, chloromethane, trans-1,4-dichloro-2-butene, and n-hexane, 2-butanone (MEK), 1,2,4-trimethylbenzene, and 1,2,3-trimethylbenzene associated with analytical batch WG1020390 (analyzed on September 14, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for chloromethane, trans-1,4-dichloro-2-butene, and di-isopropyl ether associated with analytical batch WG1019379 (analyzed on September 18, 2017). These results are

qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for chloromethane, trans-1,4-dichloro-2-butene, and di-isopropyl associated with analytical batch WG1020390 (analyzed on September 18, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

NWTPH-Gx Method:
Laboratory method blanks were included with the analytical batch per method requirement. The target analyte (gasoline) was detected in the method blank between the method detection limit (MDL) and the RDL with the following discussion:

- **Gasoline results for samples B-212-65 and B-907-25 were detected below the RDL and due to associated blank contamination are qualified as not detected (U).**

Total Solids by SM 2540 G 2011:
Laboratory method blank was 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:
A trip blank was collected and submitted for VOC analysis. The target analytes were not detected in the trip blank at or above the RDL.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Two pairs of field duplicate (sample B-212-45 from SDG L935150/sample B-907-25 from SDG L935266 AND samples B-214-85/B-908-100 from SDG L935266) results are comparable for VOCs and/or gasoline and less than 30% RPD. Refer to the section on other laboratory control issues for additional discussion on sample B-907-25.

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:
Laboratory duplicate samples were not analyzed. Refer to LCS/LCSDs and MS/MSDs results for precision data on soils and waters.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on a non-client sample, and on two client samples B-212-75 and B-214-65. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, 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 soils with the following exception:

- LCS/LCSD (Batch WG1019379) RPD result for acetone is above laboratory acceptance criteria (20%) and qualified by the laboratory (J3). No action was taken on this basis as MS/MSD percent recovery results are recovered wide but are within control limits.

- LCS/LCSD (Batch WG1019379) % recoveries for trans-1,4-dichloro-2-butene are low, below laboratory criteria, and qualified by the laboratory (J4). **All associated results are estimated and qualified (UJ or J).**

- LCS (Batch WG1019379) % recovery for 1,2-dichloroethane is low, below laboratory criteria, and qualified by the laboratory (J4). **All associated results are estimated and qualified (UJ or J).**

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils and 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 a non-client sample within one of the analytical batches. Refer to LCS/LCSD results for accuracy and precision water data. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils with the following exceptions:

- MS/MSD (Batch WG1019379) recoveries for multiple compounds are low, below laboratory acceptance criteria, and qualified (J6) by the laboratory to indicate matrix interference. No action is taken since this spike was performed on a non-client sample within the analytical batch and LCS/LCSD results are generally acceptable. Refer to LCS/LCSD discussion for more information.

NWTPH-Gx Method:
MS/MSDs were analyzed by the NWTPH-Gx method on a non-client samples within the analytical batches. The MS/MSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for waters and soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following exception:

- Sample B-907-25 (Batch WG1020390) has an elevated reporting limit due to matrix interference the internal standards failed to recover in both undiluted vials. The sample was reanalyzed at a twenty-five fold dilution from the methanol vial. No action was taken in this case since this sample is a field duplicate and results are comparable. Refer to the field duplicate section for more information.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	09/15/2017 09:48	WG1020726

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	1.29 U	B J	0.984	2.90	25	09/14/2017 16:13	WG1020338
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*77.0-120*		*09/14/2017 16:13*	WG1020338

Volatile Organic Compounds (GC/MS) 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 J3	0.0116	0.0580	1	09/12/2017 21:19	WG1019379
Acrylonitrile	U		0.00208	0.0116	1	09/12/2017 21:19	WG1019379
Benzene	U		0.000313	0.00116	1	09/12/2017 21:19	WG1019379
Bromobenzene	U		0.000330	0.00116	1	09/12/2017 21:19	WG1019379
Bromodichloromethane	U		0.000295	0.00116	1	09/12/2017 21:19	WG1019379
Bromochloromethane	U		0.000453	0.00580	1	09/12/2017 21:19	WG1019379
Bromoform	U		0.000492	0.00116	1	09/12/2017 21:19	WG1019379
Bromomethane	U		0.00156	0.00580	1	09/12/2017 21:19	WG1019379
n-Butylbenzene	U		0.000299	0.00116	1	09/12/2017 21:19	WG1019379
sec-Butylbenzene	U		0.000233	0.00116	1	09/12/2017 21:19	WG1019379
tert-Butylbenzene	U		0.000239	0.00116	1	09/12/2017 21:19	WG1019379
Carbon disulfide	0.00107 J	J	0.000257	0.00116	1	09/12/2017 21:19	WG1019379
Carbon tetrachloride	U		0.000381	0.00116	1	09/12/2017 21:19	WG1019379
Chlorobenzene	U		0.000246	0.00116	1	09/12/2017 21:19	WG1019379
Chlorodibromomethane	U		0.000433	0.00116	1	09/12/2017 21:19	WG1019379
Chloroethane	U		0.00110	0.00580	1	09/12/2017 21:19	WG1019379
Chloroform	U		0.000266	0.00580	1	09/12/2017 21:19	WG1019379
Chloromethane	U		0.000435	0.00290	1	09/12/2017 21:19	WG1019379
2-Chlorotoluene	U		0.000349	0.00116	1	09/12/2017 21:19	WG1019379
4-Chlorotoluene	U		0.000279	0.00116	1	09/12/2017 21:19	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	09/12/2017 21:19	WG1019379
1,2-Dibromoethane	U		0.000398	0.00116	1	09/12/2017 21:19	WG1019379
Dibromomethane	U		0.000443	0.00116	1	09/12/2017 21:19	WG1019379
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/12/2017 21:19	WG1019379
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/12/2017 21:19	WG1019379
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/12/2017 21:19	WG1019379
Dichlorodifluoromethane	U		0.000828	0.00580	1	09/12/2017 21:19	WG1019379
1,1-Dichloroethane	U		0.000231	0.00116	1	09/12/2017 21:19	WG1019379
1,2-Dichloroethane	U UJ	J0 J4	0.000308	0.00116	1	09/12/2017 21:19	WG1019379
1,1-Dichloroethene	U		0.000352	0.00116	1	09/12/2017 21:19	WG1019379
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	09/12/2017 21:19	WG1019379
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/12/2017 21:19	WG1019379
1,2-Dichloropropane	U		0.000416	0.00116	1	09/12/2017 21:19	WG1019379
1,1-Dichloropropene	U		0.000368	0.00116	1	09/12/2017 21:19	WG1019379
1,3-Dichloropropane	U		0.000240	0.00116	1	09/12/2017 21:19	WG1019379
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/12/2017 21:19	WG1019379
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/12/2017 21:19	WG1019379
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000903	0.00290	1	09/12/2017 21:19	WG1019379
2,2-Dichloropropane	U		0.000324	0.00116	1	09/12/2017 21:19	WG1019379
Di-isopropyl ether	U		0.000288	0.00116	1	09/12/2017 21:19	WG1019379
Ethylbenzene	U		0.000345	0.00116	1	09/12/2017 21:19	WG1019379
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/12/2017 21:19	WG1019379
2-Hexanone	U		0.00159	0.0116	1	09/12/2017 21:19	WG1019379
n-Hexane	0.00322 J	J	0.000337	0.0116	1	09/12/2017 21:19	WG1019379

JC 10/16/17

Volatile Organic Compounds (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		0.00294	0.0116	1	09/12/2017 21:19	WG1019379
Isopropylbenzene	U		0.000282	0.00116	1	09/12/2017 21:19	WG1019379
p-Isopropyltoluene	U		0.000237	0.00116	1	09/12/2017 21:19	WG1019379
2-Butanone (MEK)	U	UJ J0	0.00543	0.0116	1	09/12/2017 21:19	WG1019379
Methylene Chloride	U		0.00116	0.00580	1	09/12/2017 21:19	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/12/2017 21:19	WG1019379
Methyl tert-butyl ether	U		0.000246	0.00116	1	09/12/2017 21:19	WG1019379
Naphthalene	U		0.00116	0.00580	1	09/12/2017 21:19	WG1019379
n-Propylbenzene	U		0.000239	0.00116	1	09/12/2017 21:19	WG1019379
Styrene	U		0.000272	0.00116	1	09/12/2017 21:19	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/12/2017 21:19	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/12/2017 21:19	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/12/2017 21:19	WG1019379
Tetrachloroethene	U		0.000320	0.00116	1	09/12/2017 21:19	WG1019379
Toluene	U		0.000504	0.00580	1	09/12/2017 21:19	WG1019379
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/12/2017 21:19	WG1019379
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/12/2017 21:19	WG1019379
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/12/2017 21:19	WG1019379
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/12/2017 21:19	WG1019379
Trichloroethene	U		0.000324	0.00116	1	09/12/2017 21:19	WG1019379
Trichlorofluoromethane	U		0.000443	0.00580	1	09/12/2017 21:19	WG1019379
1,2,3-Trichloropropane	U		0.000860	0.00290	1	09/12/2017 21:19	WG1019379
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/12/2017 21:19	WG1019379
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/12/2017 21:19	WG1019379
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/12/2017 21:19	WG1019379
Vinyl acetate	U		0.00277	0.0116	1	09/12/2017 21:19	WG1019379
Vinyl chloride	U		0.000338	0.00116	1	09/12/2017 21:19	WG1019379
Xylenes, Total	U		0.000810	0.00348	1	09/12/2017 21:19	WG1019379
(S) Toluene-d8	*96.5*			*80.0-120*		*09/12/2017 21:19*	WG1019379
(S) Dibromofluoromethane	*98.5*			*74.0-131*		*09/12/2017 21:19*	WG1019379
(S) 4-Bromofluorobenzene	*95.7*			*64.0-132*		*09/12/2017 21:19*	WG1019379

JC 10/16/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	09/15/2017 09:48	WG1020726

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		1.05	3.11	26.75	09/14/2017 16:35	WG1020338
(S) a,a,a-Trifluorotoluene(FID)	*95.2*			*77.0-120*		*09/14/2017 16:35*	WG1020338

Volatile Organic Compounds (GC/MS) 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 J3	0.0116	0.0581	1	09/12/2017 21:41	WG1019379
Acrylonitrile	U		0.00208	0.0116	1	09/12/2017 21:41	WG1019379
Benzene	U		0.000314	0.00116	1	09/12/2017 21:41	WG1019379
Bromobenzene	U		0.000330	0.00116	1	09/12/2017 21:41	WG1019379
Bromodichloromethane	U		0.000295	0.00116	1	09/12/2017 21:41	WG1019379
Bromochloromethane	U		0.000454	0.00581	1	09/12/2017 21:41	WG1019379
Bromoform	U		0.000493	0.00116	1	09/12/2017 21:41	WG1019379
Bromomethane	U		0.00156	0.00581	1	09/12/2017 21:41	WG1019379
n-Butylbenzene	U		0.000300	0.00116	1	09/12/2017 21:41	WG1019379
sec-Butylbenzene	U		0.000234	0.00116	1	09/12/2017 21:41	WG1019379
tert-Butylbenzene	U		0.000240	0.00116	1	09/12/2017 21:41	WG1019379
Carbon disulfide	0.000919 J	J	0.000257	0.00116	1	09/12/2017 21:41	WG1019379
Carbon tetrachloride	U		0.000381	0.00116	1	09/12/2017 21:41	WG1019379
Chlorobenzene	U		0.000247	0.00116	1	09/12/2017 21:41	WG1019379
Chlorodibromomethane	U		0.000434	0.00116	1	09/12/2017 21:41	WG1019379
Chloroethane	U		0.00110	0.00581	1	09/12/2017 21:41	WG1019379
Chloroform	U		0.000266	0.00581	1	09/12/2017 21:41	WG1019379
Chloromethane	U		0.000436	0.00291	1	09/12/2017 21:41	WG1019379
2-Chlorotoluene	U		0.000350	0.00116	1	09/12/2017 21:41	WG1019379
4-Chlorotoluene	U		0.000279	0.00116	1	09/12/2017 21:41	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	09/12/2017 21:41	WG1019379
1,2-Dibromoethane	U		0.000399	0.00116	1	09/12/2017 21:41	WG1019379
Dibromomethane	U		0.000444	0.00116	1	09/12/2017 21:41	WG1019379
1,2-Dichlorobenzene	U		0.000355	0.00116	1	09/12/2017 21:41	WG1019379
1,3-Dichlorobenzene	U		0.000278	0.00116	1	09/12/2017 21:41	WG1019379
1,4-Dichlorobenzene	U		0.000263	0.00116	1	09/12/2017 21:41	WG1019379
Dichlorodifluoromethane	U		0.000829	0.00581	1	09/12/2017 21:41	WG1019379
1,1-Dichloroethane	U		0.000231	0.00116	1	09/12/2017 21:41	WG1019379
1,2-Dichloroethane	U UJ	J0 J4	0.000308	0.00116	1	09/12/2017 21:41	WG1019379
1,1-Dichloroethene	U		0.000352	0.00116	1	09/12/2017 21:41	WG1019379
cis-1,2-Dichloroethene	U		0.000273	0.00116	1	09/12/2017 21:41	WG1019379
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	09/12/2017 21:41	WG1019379
1,2-Dichloropropane	U		0.000416	0.00116	1	09/12/2017 21:41	WG1019379
1,1-Dichloropropene	U		0.000369	0.00116	1	09/12/2017 21:41	WG1019379
1,3-Dichloropropane	U		0.000241	0.00116	1	09/12/2017 21:41	WG1019379
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	09/12/2017 21:41	WG1019379
trans-1,3-Dichloropropene	U		0.000311	0.00116	1	09/12/2017 21:41	WG1019379
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000905	0.00291	1	09/12/2017 21:41	WG1019379
2,2-Dichloropropane	U		0.000324	0.00116	1	09/12/2017 21:41	WG1019379
Di-isopropyl ether	U		0.000288	0.00116	1	09/12/2017 21:41	WG1019379
Ethylbenzene	U		0.000345	0.00116	1	09/12/2017 21:41	WG1019379
Hexachloro-1,3-butadiene	U		0.000398	0.00116	1	09/12/2017 21:41	WG1019379
2-Hexanone	U		0.00159	0.0116	1	09/12/2017 21:41	WG1019379
n-Hexane	0.00125 J	J	0.000337	0.0116	1	09/12/2017 21:41	WG1019379

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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		0.00294	0.0116	1	09/12/2017 21:41	WG1019379
Isopropylbenzene	U		0.000283	0.00116	1	09/12/2017 21:41	WG1019379
p-Isopropyltoluene	U		0.000237	0.00116	1	09/12/2017 21:41	WG1019379
2-Butanone (MEK)	U	UJ J0	0.00544	0.0116	1	09/12/2017 21:41	WG1019379
Methylene Chloride	U		0.00116	0.00581	1	09/12/2017 21:41	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	09/12/2017 21:41	WG1019379
Methyl tert-butyl ether	U		0.000247	0.00116	1	09/12/2017 21:41	WG1019379
Naphthalene	U		0.00116	0.00581	1	09/12/2017 21:41	WG1019379
n-Propylbenzene	U		0.000240	0.00116	1	09/12/2017 21:41	WG1019379
Styrene	U		0.000272	0.00116	1	09/12/2017 21:41	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	09/12/2017 21:41	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/12/2017 21:41	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/12/2017 21:41	WG1019379
Tetrachloroethene	U		0.000321	0.00116	1	09/12/2017 21:41	WG1019379
Toluene	U		0.000505	0.00581	1	09/12/2017 21:41	WG1019379
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	09/12/2017 21:41	WG1019379
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	09/12/2017 21:41	WG1019379
1,1,1-Trichloroethane	U		0.000333	0.00116	1	09/12/2017 21:41	WG1019379
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/12/2017 21:41	WG1019379
Trichloroethene	U		0.000324	0.00116	1	09/12/2017 21:41	WG1019379
Trichlorofluoromethane	U		0.000444	0.00581	1	09/12/2017 21:41	WG1019379
1,2,3-Trichloropropane	U		0.000862	0.00291	1	09/12/2017 21:41	WG1019379
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/12/2017 21:41	WG1019379
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	09/12/2017 21:41	WG1019379
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/12/2017 21:41	WG1019379
Vinyl acetate	U		0.00278	0.0116	1	09/12/2017 21:41	WG1019379
Vinyl chloride	U		0.000338	0.00116	1	09/12/2017 21:41	WG1019379
Xylenes, Total	U		0.000812	0.00349	1	09/12/2017 21:41	WG1019379
(S) Toluene-d8	*98.8*			*80.0-120*		*09/12/2017 21:41*	WG1019379
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/12/2017 21:41*	WG1019379
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*09/12/2017 21:41*	WG1019379

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.7		1	09/14/2017 13:28	WG1020385

Volatile Organic Compounds (GC/MS) 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 J3	0.0129	0.0643	1	09/12/2017 22:03	WG1019379
Acrylonitrile	U		0.00230	0.0129	1	09/12/2017 22:03	WG1019379
Benzene	U		0.000347	0.00129	1	09/12/2017 22:03	WG1019379
Bromobenzene	U		0.000366	0.00129	1	09/12/2017 22:03	WG1019379
Bromodichloromethane	U		0.000327	0.00129	1	09/12/2017 22:03	WG1019379
Bromochloromethane	U		0.000502	0.00643	1	09/12/2017 22:03	WG1019379
Bromoform	U		0.000546	0.00129	1	09/12/2017 22:03	WG1019379
Bromomethane	U		0.00172	0.00643	1	09/12/2017 22:03	WG1019379
n-Butylbenzene	U		0.000332	0.00129	1	09/12/2017 22:03	WG1019379
sec-Butylbenzene	U		0.000259	0.00129	1	09/12/2017 22:03	WG1019379
tert-Butylbenzene	U		0.000265	0.00129	1	09/12/2017 22:03	WG1019379
Carbon disulfide	U		0.000284	0.00129	1	09/12/2017 22:03	WG1019379
Carbon tetrachloride	U		0.000422	0.00129	1	09/12/2017 22:03	WG1019379
Chlorobenzene	U		0.000273	0.00129	1	09/12/2017 22:03	WG1019379
Chlorodibromomethane	U		0.000480	0.00129	1	09/12/2017 22:03	WG1019379
Chloroethane	U		0.00122	0.00643	1	09/12/2017 22:03	WG1019379
Chloroform	U		0.000295	0.00643	1	09/12/2017 22:03	WG1019379
Chloromethane	U		0.000483	0.00322	1	09/12/2017 22:03	WG1019379
2-Chlorotoluene	U		0.000387	0.00129	1	09/12/2017 22:03	WG1019379
4-Chlorotoluene	U		0.000309	0.00129	1	09/12/2017 22:03	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00135	0.00643	1	09/12/2017 22:03	WG1019379
1,2-Dibromoethane	U		0.000441	0.00129	1	09/12/2017 22:03	WG1019379
Dibromomethane	U		0.000492	0.00129	1	09/12/2017 22:03	WG1019379
1,2-Dichlorobenzene	U		0.000393	0.00129	1	09/12/2017 22:03	WG1019379
1,3-Dichlorobenzene	U		0.000308	0.00129	1	09/12/2017 22:03	WG1019379
1,4-Dichlorobenzene	U		0.000291	0.00129	1	09/12/2017 22:03	WG1019379
Dichlorodifluoromethane	U		0.000918	0.00643	1	09/12/2017 22:03	WG1019379
1,1-Dichloroethane	U		0.000256	0.00129	1	09/12/2017 22:03	WG1019379
1,2-Dichloroethane	U UJ	J0 J4	0.000341	0.00129	1	09/12/2017 22:03	WG1019379
1,1-Dichloroethene	U		0.000390	0.00129	1	09/12/2017 22:03	WG1019379
cis-1,2-Dichloroethene	U		0.000302	0.00129	1	09/12/2017 22:03	WG1019379
trans-1,2-Dichloroethene	U		0.000340	0.00129	1	09/12/2017 22:03	WG1019379
1,2-Dichloropropane	U		0.000461	0.00129	1	09/12/2017 22:03	WG1019379
1,1-Dichloropropene	U		0.000408	0.00129	1	09/12/2017 22:03	WG1019379
1,3-Dichloropropane	U		0.000266	0.00129	1	09/12/2017 22:03	WG1019379
cis-1,3-Dichloropropene	U		0.000337	0.00129	1	09/12/2017 22:03	WG1019379
trans-1,3-Dichloropropene	U		0.000344	0.00129	1	09/12/2017 22:03	WG1019379
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.00100	0.00322	1	09/12/2017 22:03	WG1019379
2,2-Dichloropropane	U		0.000359	0.00129	1	09/12/2017 22:03	WG1019379
Di-isopropyl ether	U		0.000319	0.00129	1	09/12/2017 22:03	WG1019379
Ethylbenzene	U		0.000382	0.00129	1	09/12/2017 22:03	WG1019379
Hexachloro-1,3-butadiene	U		0.000440	0.00129	1	09/12/2017 22:03	WG1019379
2-Hexanone	U		0.00176	0.0129	1	09/12/2017 22:03	WG1019379
n-Hexane	U		0.000373	0.0129	1	09/12/2017 22:03	WG1019379
Iodomethane	U		0.00326	0.0129	1	09/12/2017 22:03	WG1019379
Isopropylbenzene	U		0.000313	0.00129	1	09/12/2017 22:03	WG1019379
p-Isopropyltoluene	U		0.000263	0.00129	1	09/12/2017 22:03	WG1019379
2-Butanone (MEK)	U UJ	J0	0.00602	0.0129	1	09/12/2017 22:03	WG1019379
Methylene Chloride	U		0.00129	0.00643	1	09/12/2017 22:03	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00242	0.0129	1	09/12/2017 22:03	WG1019379

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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		0.000273	0.00129	1	09/12/2017 22:03	WG1019379
Naphthalene	U		0.00129	0.00643	1	09/12/2017 22:03	WG1019379
n-Propylbenzene	U		0.000265	0.00129	1	09/12/2017 22:03	WG1019379
Styrene	U		0.000301	0.00129	1	09/12/2017 22:03	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000340	0.00129	1	09/12/2017 22:03	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000470	0.00129	1	09/12/2017 22:03	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000470	0.00129	1	09/12/2017 22:03	WG1019379
Tetrachloroethene	U		0.000355	0.00129	1	09/12/2017 22:03	WG1019379
Toluene	U		0.000559	0.00643	1	09/12/2017 22:03	WG1019379
1,2,3-Trichlorobenzene	U		0.000394	0.00129	1	09/12/2017 22:03	WG1019379
1,2,4-Trichlorobenzene	U		0.000499	0.00129	1	09/12/2017 22:03	WG1019379
1,1,1-Trichloroethane	U		0.000368	0.00129	1	09/12/2017 22:03	WG1019379
1,1,2-Trichloroethane	U		0.000356	0.00129	1	09/12/2017 22:03	WG1019379
Trichloroethene	U		0.000359	0.00129	1	09/12/2017 22:03	WG1019379
Trichlorofluoromethane	U		0.000492	0.00643	1	09/12/2017 22:03	WG1019379
1,2,3-Trichloropropane	U		0.000954	0.00322	1	09/12/2017 22:03	WG1019379
1,2,4-Trimethylbenzene	U		0.000272	0.00129	1	09/12/2017 22:03	WG1019379
1,2,3-Trimethylbenzene	U		0.000369	0.00129	1	09/12/2017 22:03	WG1019379
1,3,5-Trimethylbenzene	U		0.000342	0.00129	1	09/12/2017 22:03	WG1019379
Vinyl acetate	U		0.00308	0.0129	1	09/12/2017 22:03	WG1019379
Vinyl chloride	U		0.000375	0.00129	1	09/12/2017 22:03	WG1019379
Xylenes, Total	U		0.000898	0.00386	1	09/12/2017 22:03	WG1019379
(S) Toluene-d8	*97.0*			*80.0-120*		*09/12/2017 22:03*	WG1019379
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/12/2017 22:03*	WG1019379
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*09/12/2017 22:03*	WG1019379

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	09/14/2017 13:28	WG1020385

Volatile Organic Compounds (GC/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	J J3	0.0111	0.0555	1	09/18/2017 13:29	WG1019379
Acrylonitrile	U		0.00199	0.0111	1	09/18/2017 13:29	WG1019379
Benzene	U		0.000300	0.00111	1	09/18/2017 13:29	WG1019379
Bromobenzene	U		0.000316	0.00111	1	09/18/2017 13:29	WG1019379
Bromodichloromethane	U		0.000282	0.00111	1	09/18/2017 13:29	WG1019379
Bromochloromethane	U		0.000433	0.00555	1	09/18/2017 13:29	WG1019379
Bromoform	U		0.000471	0.00111	1	09/18/2017 13:29	WG1019379
Bromomethane	U		0.00149	0.00555	1	09/18/2017 13:29	WG1019379
n-Butylbenzene	U		0.000287	0.00111	1	09/18/2017 13:29	WG1019379
sec-Butylbenzene	U		0.000223	0.00111	1	09/18/2017 13:29	WG1019379
tert-Butylbenzene	U		0.000229	0.00111	1	09/18/2017 13:29	WG1019379
Carbon disulfide	0.000650 J	J	0.000246	0.00111	1	09/18/2017 13:29	WG1019379
Carbon tetrachloride	U		0.000364	0.00111	1	09/18/2017 13:29	WG1019379
Chlorobenzene	U		0.000236	0.00111	1	09/18/2017 13:29	WG1019379
Chlorodibromomethane	U		0.000414	0.00111	1	09/18/2017 13:29	WG1019379
Chloroethane	U		0.00105	0.00555	1	09/18/2017 13:29	WG1019379
Chloroform	U		0.000254	0.00555	1	09/18/2017 13:29	WG1019379
Chloromethane	U UJ	J0	0.000417	0.00278	1	09/18/2017 13:29	WG1019379
2-Chlorotoluene	U		0.000334	0.00111	1	09/18/2017 13:29	WG1019379
4-Chlorotoluene	U		0.000267	0.00111	1	09/18/2017 13:29	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	09/18/2017 13:29	WG1019379
1,2-Dibromoethane	U		0.000381	0.00111	1	09/18/2017 13:29	WG1019379
Dibromomethane	U		0.000424	0.00111	1	09/18/2017 13:29	WG1019379
1,2-Dichlorobenzene	U		0.000339	0.00111	1	09/18/2017 13:29	WG1019379
1,3-Dichlorobenzene	U		0.000266	0.00111	1	09/18/2017 13:29	WG1019379
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/18/2017 13:29	WG1019379
Dichlorodifluoromethane	U		0.000792	0.00555	1	09/18/2017 13:29	WG1019379
1,1-Dichloroethane	U		0.000221	0.00111	1	09/18/2017 13:29	WG1019379
1,2-Dichloroethane	U UJ	J4	0.000294	0.00111	1	09/18/2017 13:29	WG1019379
1,1-Dichloroethene	U		0.000337	0.00111	1	09/18/2017 13:29	WG1019379
cis-1,2-Dichloroethene	U		0.000261	0.00111	1	09/18/2017 13:29	WG1019379
trans-1,2-Dichloroethene	U		0.000293	0.00111	1	09/18/2017 13:29	WG1019379
1,2-Dichloropropane	U		0.000398	0.00111	1	09/18/2017 13:29	WG1019379
1,1-Dichloropropene	U		0.000352	0.00111	1	09/18/2017 13:29	WG1019379
1,3-Dichloropropane	U		0.000230	0.00111	1	09/18/2017 13:29	WG1019379
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	09/18/2017 13:29	WG1019379
trans-1,3-Dichloropropene	U		0.000297	0.00111	1	09/18/2017 13:29	WG1019379
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000864	0.00278	1	09/18/2017 13:29	WG1019379
2,2-Dichloropropane	U		0.000310	0.00111	1	09/18/2017 13:29	WG1019379
Di-isopropyl ether	U UJ	J0	0.000276	0.00111	1	09/18/2017 13:29	WG1019379
Ethylbenzene	U		0.000330	0.00111	1	09/18/2017 13:29	WG1019379
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	09/18/2017 13:29	WG1019379
2-Hexanone	U		0.00152	0.0111	1	09/18/2017 13:29	WG1019379
n-Hexane	0.000642 J	J	0.000322	0.0111	1	09/18/2017 13:29	WG1019379
Iodomethane	U		0.00281	0.0111	1	09/18/2017 13:29	WG1019379
Isopropylbenzene	U		0.000270	0.00111	1	09/18/2017 13:29	WG1019379
p-Isopropyltoluene	U		0.000227	0.00111	1	09/18/2017 13:29	WG1019379
2-Butanone (MEK)	U		0.00520	0.0111	1	09/18/2017 13:29	WG1019379
Methylene Chloride	U		0.00111	0.00555	1	09/18/2017 13:29	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	09/18/2017 13:29	WG1019379

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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	09/18/2017 13:29	WG1019379
Naphthalene	U		0.00111	0.00555	1	09/18/2017 13:29	WG1019379
n-Propylbenzene	U		0.000229	0.00111	1	09/18/2017 13:29	WG1019379
Styrene	U		0.000260	0.00111	1	09/18/2017 13:29	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/18/2017 13:29	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/18/2017 13:29	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/18/2017 13:29	WG1019379
Tetrachloroethene	U		0.000307	0.00111	1	09/18/2017 13:29	WG1019379
Toluene	U		0.000482	0.00555	1	09/18/2017 13:29	WG1019379
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	09/18/2017 13:29	WG1019379
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	09/18/2017 13:29	WG1019379
1,1,1-Trichloroethane	U		0.000318	0.00111	1	09/18/2017 13:29	WG1019379
1,1,2-Trichloroethane	U		0.000308	0.00111	1	09/18/2017 13:29	WG1019379
Trichloroethene	U		0.000310	0.00111	1	09/18/2017 13:29	WG1019379
Trichlorofluoromethane	U		0.000424	0.00555	1	09/18/2017 13:29	WG1019379
1,2,3-Trichloropropane	U		0.000823	0.00278	1	09/18/2017 13:29	WG1019379
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/18/2017 13:29	WG1019379
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	09/18/2017 13:29	WG1019379
1,3,5-Trimethylbenzene	U		0.000296	0.00111	1	09/18/2017 13:29	WG1019379
Vinyl acetate	U		0.00266	0.0111	1	09/18/2017 13:29	WG1019379
Vinyl chloride	U		0.000323	0.00111	1	09/18/2017 13:29	WG1019379
Xylenes, Total	U		0.000775	0.00333	1	09/18/2017 13:29	WG1019379
(S) Toluene-d8	*98.7*			*80.0-120*		*09/18/2017 13:29*	WG1019379
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/18/2017 13:29*	WG1019379
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/18/2017 13:29*	WG1019379

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	09/14/2017 13:28	WG1020385

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0150 J	J J3	0.0120	0.0601	1	09/18/2017 13:49	WG1019379
Acrylonitrile	U		0.00215	0.0120	1	09/18/2017 13:49	WG1019379
Benzene	U		0.000325	0.00120	1	09/18/2017 13:49	WG1019379
Bromobenzene	U		0.000341	0.00120	1	09/18/2017 13:49	WG1019379
Bromodichloromethane	U		0.000305	0.00120	1	09/18/2017 13:49	WG1019379
Bromochloromethane	U		0.000469	0.00601	1	09/18/2017 13:49	WG1019379
Bromoform	U		0.000510	0.00120	1	09/18/2017 13:49	WG1019379
Bromomethane	U		0.00161	0.00601	1	09/18/2017 13:49	WG1019379
n-Butylbenzene	U		0.000310	0.00120	1	09/18/2017 13:49	WG1019379
sec-Butylbenzene	U		0.000242	0.00120	1	09/18/2017 13:49	WG1019379
tert-Butylbenzene	U		0.000248	0.00120	1	09/18/2017 13:49	WG1019379
Carbon disulfide	0.00148		0.000266	0.00120	1	09/18/2017 13:49	WG1019379
Carbon tetrachloride	U		0.000394	0.00120	1	09/18/2017 13:49	WG1019379
Chlorobenzene	U		0.000255	0.00120	1	09/18/2017 13:49	WG1019379
Chlorodibromomethane	U		0.000448	0.00120	1	09/18/2017 13:49	WG1019379
Chloroethane	U		0.00114	0.00601	1	09/18/2017 13:49	WG1019379
Chloroform	U		0.000275	0.00601	1	09/18/2017 13:49	WG1019379
Chloromethane	U UJ	J0	0.000451	0.00301	1	09/18/2017 13:49	WG1019379
2-Chlorotoluene	U		0.000362	0.00120	1	09/18/2017 13:49	WG1019379
4-Chlorotoluene	U		0.000288	0.00120	1	09/18/2017 13:49	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	09/18/2017 13:49	WG1019379
1,2-Dibromoethane	U		0.000412	0.00120	1	09/18/2017 13:49	WG1019379
Dibromomethane	U		0.000459	0.00120	1	09/18/2017 13:49	WG1019379
1,2-Dichlorobenzene	U		0.000367	0.00120	1	09/18/2017 13:49	WG1019379
1,3-Dichlorobenzene	U		0.000287	0.00120	1	09/18/2017 13:49	WG1019379
1,4-Dichlorobenzene	U		0.000272	0.00120	1	09/18/2017 13:49	WG1019379
Dichlorodifluoromethane	U		0.000857	0.00601	1	09/18/2017 13:49	WG1019379
1,1-Dichloroethane	U		0.000239	0.00120	1	09/18/2017 13:49	WG1019379
1,2-Dichloroethane	U J	J4	0.000319	0.00120	1	09/18/2017 13:49	WG1019379
1,1-Dichloroethene	U		0.000364	0.00120	1	09/18/2017 13:49	WG1019379
cis-1,2-Dichloroethene	U		0.000282	0.00120	1	09/18/2017 13:49	WG1019379
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	09/18/2017 13:49	WG1019379
1,2-Dichloropropane	U		0.000430	0.00120	1	09/18/2017 13:49	WG1019379
1,1-Dichloropropene	U		0.000381	0.00120	1	09/18/2017 13:49	WG1019379
1,3-Dichloropropane	U		0.000249	0.00120	1	09/18/2017 13:49	WG1019379
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	09/18/2017 13:49	WG1019379
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	09/18/2017 13:49	WG1019379
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000935	0.00301	1	09/18/2017 13:49	WG1019379
2,2-Dichloropropane	U		0.000335	0.00120	1	09/18/2017 13:49	WG1019379
Di-isopropyl ether	U UJ	J0	0.000298	0.00120	1	09/18/2017 13:49	WG1019379
Ethylbenzene	U		0.000357	0.00120	1	09/18/2017 13:49	WG1019379
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	09/18/2017 13:49	WG1019379
2-Hexanone	U		0.00165	0.0120	1	09/18/2017 13:49	WG1019379
n-Hexane	0.000620 J	J	0.000349	0.0120	1	09/18/2017 13:49	WG1019379
Iodomethane	U		0.00304	0.0120	1	09/18/2017 13:49	WG1019379
Isopropylbenzene	U		0.000292	0.00120	1	09/18/2017 13:49	WG1019379
p-Isopropyltoluene	U		0.000245	0.00120	1	09/18/2017 13:49	WG1019379
2-Butanone (MEK)	U		0.00563	0.0120	1	09/18/2017 13:49	WG1019379
Methylene Chloride	U		0.00120	0.00601	1	09/18/2017 13:49	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	09/18/2017 13:49	WG1019379

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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	09/18/2017 13:49	WG1019379
Naphthalene	U		0.00120	0.00601	1	09/18/2017 13:49	WG1019379
n-Propylbenzene	U		0.000248	0.00120	1	09/18/2017 13:49	WG1019379
Styrene	U		0.000281	0.00120	1	09/18/2017 13:49	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	09/18/2017 13:49	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	09/18/2017 13:49	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	09/18/2017 13:49	WG1019379
Tetrachloroethene	U		0.000332	0.00120	1	09/18/2017 13:49	WG1019379
Toluene	U		0.000522	0.00601	1	09/18/2017 13:49	WG1019379
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	09/18/2017 13:49	WG1019379
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	09/18/2017 13:49	WG1019379
1,1,1-Trichloroethane	U		0.000344	0.00120	1	09/18/2017 13:49	WG1019379
1,1,2-Trichloroethane	U		0.000333	0.00120	1	09/18/2017 13:49	WG1019379
Trichloroethene	U		0.000335	0.00120	1	09/18/2017 13:49	WG1019379
Trichlorofluoromethane	U		0.000459	0.00601	1	09/18/2017 13:49	WG1019379
1,2,3-Trichloropropane	U		0.000891	0.00301	1	09/18/2017 13:49	WG1019379
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	09/18/2017 13:49	WG1019379
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	09/18/2017 13:49	WG1019379
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	09/18/2017 13:49	WG1019379
Vinyl acetate	U		0.00287	0.0120	1	09/18/2017 13:49	WG1019379
Vinyl chloride	U		0.000350	0.00120	1	09/18/2017 13:49	WG1019379
Xylenes, Total	U		0.000839	0.00361	1	09/18/2017 13:49	WG1019379
(S) Toluene-d8	*103*			*80.0-120*		*09/18/2017 13:49*	WG1019379
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/18/2017 13:49*	WG1019379
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/18/2017 13:49*	WG1019379

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	09/14/2017 13:28	WG1020385

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0230 J	J J3	0.0112	0.0559	1	09/18/2017 14:08	WG1019379
Acrylonitrile	U		0.00200	0.0112	1	09/18/2017 14:08	WG1019379
Benzene	U		0.000302	0.00112	1	09/18/2017 14:08	WG1019379
Bromobenzene	U		0.000317	0.00112	1	09/18/2017 14:08	WG1019379
Bromodichloromethane	U		0.000284	0.00112	1	09/18/2017 14:08	WG1019379
Bromochloromethane	U		0.000436	0.00559	1	09/18/2017 14:08	WG1019379
Bromoform	U		0.000474	0.00112	1	09/18/2017 14:08	WG1019379
Bromomethane	U		0.00150	0.00559	1	09/18/2017 14:08	WG1019379
n-Butylbenzene	U		0.000288	0.00112	1	09/18/2017 14:08	WG1019379
sec-Butylbenzene	U		0.000225	0.00112	1	09/18/2017 14:08	WG1019379
tert-Butylbenzene	U		0.000230	0.00112	1	09/18/2017 14:08	WG1019379
Carbon disulfide	0.00203		0.000247	0.00112	1	09/18/2017 14:08	WG1019379
Carbon tetrachloride	U		0.000367	0.00112	1	09/18/2017 14:08	WG1019379
Chlorobenzene	U		0.000237	0.00112	1	09/18/2017 14:08	WG1019379
Chlorodibromomethane	U		0.000417	0.00112	1	09/18/2017 14:08	WG1019379
Chloroethane	U		0.00106	0.00559	1	09/18/2017 14:08	WG1019379
Chloroform	U		0.000256	0.00559	1	09/18/2017 14:08	WG1019379
Chloromethane	U UJ	J0	0.000419	0.00279	1	09/18/2017 14:08	WG1019379
2-Chlorotoluene	U		0.000336	0.00112	1	09/18/2017 14:08	WG1019379
4-Chlorotoluene	U		0.000268	0.00112	1	09/18/2017 14:08	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00559	1	09/18/2017 14:08	WG1019379
1,2-Dibromoethane	U		0.000383	0.00112	1	09/18/2017 14:08	WG1019379
Dibromomethane	U		0.000427	0.00112	1	09/18/2017 14:08	WG1019379
1,2-Dichlorobenzene	U		0.000341	0.00112	1	09/18/2017 14:08	WG1019379
1,3-Dichlorobenzene	U		0.000267	0.00112	1	09/18/2017 14:08	WG1019379
1,4-Dichlorobenzene	U		0.000253	0.00112	1	09/18/2017 14:08	WG1019379
Dichlorodifluoromethane	U		0.000797	0.00559	1	09/18/2017 14:08	WG1019379
1,1-Dichloroethane	U		0.000222	0.00112	1	09/18/2017 14:08	WG1019379
1,2-Dichloroethane	U UJ	J4	0.000296	0.00112	1	09/18/2017 14:08	WG1019379
1,1-Dichloroethene	U		0.000339	0.00112	1	09/18/2017 14:08	WG1019379
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	09/18/2017 14:08	WG1019379
trans-1,2-Dichloroethene	U		0.000295	0.00112	1	09/18/2017 14:08	WG1019379
1,2-Dichloropropane	U		0.000400	0.00112	1	09/18/2017 14:08	WG1019379
1,1-Dichloropropene	U		0.000354	0.00112	1	09/18/2017 14:08	WG1019379
1,3-Dichloropropane	U		0.000231	0.00112	1	09/18/2017 14:08	WG1019379
cis-1,3-Dichloropropene	U		0.000293	0.00112	1	09/18/2017 14:08	WG1019379
trans-1,3-Dichloropropene	U		0.000298	0.00112	1	09/18/2017 14:08	WG1019379
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000870	0.00279	1	09/18/2017 14:08	WG1019379
2,2-Dichloropropane	U		0.000312	0.00112	1	09/18/2017 14:08	WG1019379
Di-isopropyl ether	U UJ	J0	0.000277	0.00112	1	09/18/2017 14:08	WG1019379
Ethylbenzene	U		0.000332	0.00112	1	09/18/2017 14:08	WG1019379
Hexachloro-1,3-butadiene	U		0.000382	0.00112	1	09/18/2017 14:08	WG1019379
2-Hexanone	U		0.00153	0.0112	1	09/18/2017 14:08	WG1019379
n-Hexane	0.000668 J	J	0.000324	0.0112	1	09/18/2017 14:08	WG1019379
Iodomethane	U		0.00283	0.0112	1	09/18/2017 14:08	WG1019379
Isopropylbenzene	U		0.000272	0.00112	1	09/18/2017 14:08	WG1019379
p-Isopropyltoluene	U		0.000228	0.00112	1	09/18/2017 14:08	WG1019379
2-Butanone (MEK)	U		0.00523	0.0112	1	09/18/2017 14:08	WG1019379
Methylene Chloride	U		0.00112	0.00559	1	09/18/2017 14:08	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00210	0.0112	1	09/18/2017 14:08	WG1019379

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

Analyte	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	09/18/2017 14:08	WG1019379
Naphthalene	U		0.00112	0.00559	1	09/18/2017 14:08	WG1019379
n-Propylbenzene	U		0.000230	0.00112	1	09/18/2017 14:08	WG1019379
Styrene	U		0.000262	0.00112	1	09/18/2017 14:08	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000295	0.00112	1	09/18/2017 14:08	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000408	0.00112	1	09/18/2017 14:08	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000408	0.00112	1	09/18/2017 14:08	WG1019379
Tetrachloroethene	U		0.000309	0.00112	1	09/18/2017 14:08	WG1019379
Toluene	U		0.000485	0.00559	1	09/18/2017 14:08	WG1019379
1,2,3-Trichlorobenzene	U		0.000342	0.00112	1	09/18/2017 14:08	WG1019379
1,2,4-Trichlorobenzene	U		0.000434	0.00112	1	09/18/2017 14:08	WG1019379
1,1,1-Trichloroethane	U		0.000320	0.00112	1	09/18/2017 14:08	WG1019379
1,1,2-Trichloroethane	U		0.000310	0.00112	1	09/18/2017 14:08	WG1019379
Trichloroethene	U		0.000312	0.00112	1	09/18/2017 14:08	WG1019379
Trichlorofluoromethane	U		0.000427	0.00559	1	09/18/2017 14:08	WG1019379
1,2,3-Trichloropropane	U		0.000828	0.00279	1	09/18/2017 14:08	WG1019379
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/18/2017 14:08	WG1019379
1,2,3-Trimethylbenzene	U		0.000321	0.00112	1	09/18/2017 14:08	WG1019379
1,3,5-Trimethylbenzene	U		0.000297	0.00112	1	09/18/2017 14:08	WG1019379
Vinyl acetate	U		0.00267	0.0112	1	09/18/2017 14:08	WG1019379
Vinyl chloride	U		0.000325	0.00112	1	09/18/2017 14:08	WG1019379
Xylenes, Total	U		0.000780	0.00335	1	09/18/2017 14:08	WG1019379
(S) Toluene-d8	*101*			*80.0-120*		*09/18/2017 14:08*	WG1019379
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/18/2017 14:08*	WG1019379
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/18/2017 14:08*	WG1019379

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/14/2017 13:28	WG1020385

Volatile Organic Compounds (GC/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 J3	0.0110	0.0549	1	09/18/2017 14:28	WG1019379
Acrylonitrile	U		0.00196	0.0110	1	09/18/2017 14:28	WG1019379
Benzene	U		0.000296	0.00110	1	09/18/2017 14:28	WG1019379
Bromobenzene	U		0.000312	0.00110	1	09/18/2017 14:28	WG1019379
Bromodichloromethane	U		0.000279	0.00110	1	09/18/2017 14:28	WG1019379
Bromochloromethane	U		0.000428	0.00549	1	09/18/2017 14:28	WG1019379
Bromoform	U		0.000465	0.00110	1	09/18/2017 14:28	WG1019379
Bromomethane	U		0.00147	0.00549	1	09/18/2017 14:28	WG1019379
n-Butylbenzene	U		0.000283	0.00110	1	09/18/2017 14:28	WG1019379
sec-Butylbenzene	U		0.000221	0.00110	1	09/18/2017 14:28	WG1019379
tert-Butylbenzene	U		0.000226	0.00110	1	09/18/2017 14:28	WG1019379
Carbon disulfide	0.00135		0.000243	0.00110	1	09/18/2017 14:28	WG1019379
Carbon tetrachloride	U		0.000360	0.00110	1	09/18/2017 14:28	WG1019379
Chlorobenzene	U		0.000233	0.00110	1	09/18/2017 14:28	WG1019379
Chlorodibromomethane	U		0.000409	0.00110	1	09/18/2017 14:28	WG1019379
Chloroethane	U		0.00104	0.00549	1	09/18/2017 14:28	WG1019379
Chloroform	U		0.000251	0.00549	1	09/18/2017 14:28	WG1019379
Chloromethane	U UJ	J0	0.000412	0.00274	1	09/18/2017 14:28	WG1019379
2-Chlorotoluene	U		0.000330	0.00110	1	09/18/2017 14:28	WG1019379
4-Chlorotoluene	U		0.000263	0.00110	1	09/18/2017 14:28	WG1019379
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00549	1	09/18/2017 14:28	WG1019379
1,2-Dibromoethane	U		0.000377	0.00110	1	09/18/2017 14:28	WG1019379
Dibromomethane	U		0.000419	0.00110	1	09/18/2017 14:28	WG1019379
1,2-Dichlorobenzene	U		0.000335	0.00110	1	09/18/2017 14:28	WG1019379
1,3-Dichlorobenzene	U		0.000262	0.00110	1	09/18/2017 14:28	WG1019379
1,4-Dichlorobenzene	U		0.000248	0.00110	1	09/18/2017 14:28	WG1019379
Dichlorodifluoromethane	U		0.000783	0.00549	1	09/18/2017 14:28	WG1019379
1,1-Dichloroethane	U		0.000218	0.00110	1	09/18/2017 14:28	WG1019379
1,2-Dichloroethane	U UJ	J4	0.000291	0.00110	1	09/18/2017 14:28	WG1019379
1,1-Dichloroethene	U		0.000333	0.00110	1	09/18/2017 14:28	WG1019379
cis-1,2-Dichloroethene	U		0.000258	0.00110	1	09/18/2017 14:28	WG1019379
trans-1,2-Dichloroethene	U		0.000290	0.00110	1	09/18/2017 14:28	WG1019379
1,2-Dichloropropane	U		0.000393	0.00110	1	09/18/2017 14:28	WG1019379
1,1-Dichloropropene	U		0.000348	0.00110	1	09/18/2017 14:28	WG1019379
1,3-Dichloropropane	U		0.000227	0.00110	1	09/18/2017 14:28	WG1019379
cis-1,3-Dichloropropene	U		0.000288	0.00110	1	09/18/2017 14:28	WG1019379
trans-1,3-Dichloropropene	U		0.000293	0.00110	1	09/18/2017 14:28	WG1019379
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000854	0.00274	1	09/18/2017 14:28	WG1019379
2,2-Dichloropropane	U		0.000306	0.00110	1	09/18/2017 14:28	WG1019379
Di-isopropyl ether	U UJ	J0	0.000272	0.00110	1	09/18/2017 14:28	WG1019379
Ethylbenzene	U		0.000326	0.00110	1	09/18/2017 14:28	WG1019379
Hexachloro-1,3-butadiene	U		0.000375	0.00110	1	09/18/2017 14:28	WG1019379
2-Hexanone	U		0.00150	0.0110	1	09/18/2017 14:28	WG1019379
n-Hexane	0.00343 J	J	0.000318	0.0110	1	09/18/2017 14:28	WG1019379
Iodomethane	U		0.00278	0.0110	1	09/18/2017 14:28	WG1019379
Isopropylbenzene	U		0.000267	0.00110	1	09/18/2017 14:28	WG1019379
p-Isopropyltoluene	U		0.000224	0.00110	1	09/18/2017 14:28	WG1019379
2-Butanone (MEK)	U		0.00514	0.0110	1	09/18/2017 14:28	WG1019379
Methylene Chloride	U		0.00110	0.00549	1	09/18/2017 14:28	WG1019379
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0110	1	09/18/2017 14:28	WG1019379

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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	09/18/2017 14:28	WG1019379
Naphthalene	U		0.00110	0.00549	1	09/18/2017 14:28	WG1019379
n-Propylbenzene	U		0.000226	0.00110	1	09/18/2017 14:28	WG1019379
Styrene	U		0.000257	0.00110	1	09/18/2017 14:28	WG1019379
1,1,1,2-Tetrachloroethane	U		0.000290	0.00110	1	09/18/2017 14:28	WG1019379
1,1,2,2-Tetrachloroethane	U		0.000401	0.00110	1	09/18/2017 14:28	WG1019379
1,1,2-Trichlorotrifluoroethane	U		0.000401	0.00110	1	09/18/2017 14:28	WG1019379
Tetrachloroethene	U		0.000303	0.00110	1	09/18/2017 14:28	WG1019379
Toluene	U		0.000476	0.00549	1	09/18/2017 14:28	WG1019379
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	09/18/2017 14:28	WG1019379
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	09/18/2017 14:28	WG1019379
1,1,1-Trichloroethane	U		0.000314	0.00110	1	09/18/2017 14:28	WG1019379
1,1,2-Trichloroethane	U		0.000304	0.00110	1	09/18/2017 14:28	WG1019379
Trichloroethene	U		0.000306	0.00110	1	09/18/2017 14:28	WG1019379
Trichlorofluoromethane	U		0.000419	0.00549	1	09/18/2017 14:28	WG1019379
1,2,3-Trichloropropane	U		0.000813	0.00274	1	09/18/2017 14:28	WG1019379
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/18/2017 14:28	WG1019379
1,2,3-Trimethylbenzene	U		0.000315	0.00110	1	09/18/2017 14:28	WG1019379
1,3,5-Trimethylbenzene	U		0.000292	0.00110	1	09/18/2017 14:28	WG1019379
Vinyl acetate	U		0.00262	0.0110	1	09/18/2017 14:28	WG1019379
Vinyl chloride	U		0.000319	0.00110	1	09/18/2017 14:28	WG1019379
Xylenes, Total	U		0.000766	0.00329	1	09/18/2017 14:28	WG1019379
(S) Toluene-d8	*97.2*			*80.0-120*		*09/18/2017 14:28*	WG1019379
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/18/2017 14:28*	WG1019379
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/18/2017 14:28*	WG1019379

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.0		1	09/14/2017 13:28	WG1020385

Volatile Organic Compounds (GC/MS) 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	0.0127	0.0633	1	09/14/2017 15:13	WG1020390	
Acrylonitrile	U		0.00226	0.0127	1	09/14/2017 15:13	WG1020390	
Benzene	U		0.000342	0.00127	1	09/14/2017 15:13	WG1020390	
Bromobenzene	U UJ	J0	0.000359	0.00127	1	09/14/2017 15:13	WG1020390	
Bromodichloromethane	U		0.000321	0.00127	1	09/14/2017 15:13	WG1020390	
Bromochloromethane	U		0.000493	0.00633	1	09/14/2017 15:13	WG1020390	
Bromoform	U		0.000537	0.00127	1	09/14/2017 15:13	WG1020390	
Bromomethane	U		0.00170	0.00633	1	09/14/2017 15:13	WG1020390	
n-Butylbenzene	U		0.000326	0.00127	1	09/14/2017 15:13	WG1020390	
sec-Butylbenzene	U		0.000254	0.00127	1	09/14/2017 15:13	WG1020390	
tert-Butylbenzene	U		0.000261	0.00127	1	09/14/2017 15:13	WG1020390	
Carbon disulfide	U		0.000280	0.00127	1	09/14/2017 15:13	WG1020390	
Carbon tetrachloride	U		0.000415	0.00127	1	09/14/2017 15:13	WG1020390	
Chlorobenzene	U		0.000268	0.00127	1	09/14/2017 15:13	WG1020390	
Chlorodibromomethane	U		0.000472	0.00127	1	09/14/2017 15:13	WG1020390	
Chloroethane	U UJ	J0	0.00120	0.00633	1	09/14/2017 15:13	WG1020390	
Chloroform	U		0.000290	0.00633	1	09/14/2017 15:13	WG1020390	
Chloromethane	U UJ	J0	0.000475	0.00316	1	09/14/2017 15:13	WG1020390	
2-Chlorotoluene	U		0.000381	0.00127	1	09/14/2017 15:13	WG1020390	
4-Chlorotoluene	U		0.000304	0.00127	1	09/14/2017 15:13	WG1020390	
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00633	1	09/14/2017 15:13	WG1020390	
1,2-Dibromoethane	U		0.000434	0.00127	1	09/14/2017 15:13	WG1020390	
Dibromomethane	U		0.000483	0.00127	1	09/14/2017 15:13	WG1020390	
1,2-Dichlorobenzene	U		0.000386	0.00127	1	09/14/2017 15:13	WG1020390	
1,3-Dichlorobenzene	U		0.000302	0.00127	1	09/14/2017 15:13	WG1020390	
1,4-Dichlorobenzene	U		0.000286	0.00127	1	09/14/2017 15:13	WG1020390	
Dichlorodifluoromethane	U		0.000902	0.00633	1	09/14/2017 15:13	WG1020390	
1,1-Dichloroethane	U		0.000252	0.00127	1	09/14/2017 15:13	WG1020390	
1,2-Dichloroethane	U		0.000335	0.00127	1	09/14/2017 15:13	WG1020390	
1,1-Dichloroethene	U		0.000383	0.00127	1	09/14/2017 15:13	WG1020390	
cis-1,2-Dichloroethene	U		0.000297	0.00127	1	09/14/2017 15:13	WG1020390	
trans-1,2-Dichloroethene	U		0.000334	0.00127	1	09/14/2017 15:13	WG1020390	
1,2-Dichloropropane	U		0.000453	0.00127	1	09/14/2017 15:13	WG1020390	
1,1-Dichloropropene	U		0.000401	0.00127	1	09/14/2017 15:13	WG1020390	
1,3-Dichloropropane	U		0.000262	0.00127	1	09/14/2017 15:13	WG1020390	
cis-1,3-Dichloropropene	U		0.000332	0.00127	1	09/14/2017 15:13	WG1020390	
trans-1,3-Dichloropropene	U		0.000338	0.00127	1	09/14/2017 15:13	WG1020390	
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000984	0.00316	1	09/14/2017 15:13	WG1020390	
2,2-Dichloropropane	U		0.000353	0.00127	1	09/14/2017 15:13	WG1020390	
Di-isopropyl ether	U		0.000314	0.00127	1	09/14/2017 15:13	WG1020390	
Ethylbenzene	U		0.000376	0.00127	1	09/14/2017 15:13	WG1020390	
Hexachloro-1,3-butadiene	U		0.000433	0.00127	1	09/14/2017 15:13	WG1020390	
2-Hexanone	U		0.00173	0.0127	1	09/14/2017 15:13	WG1020390	
n-Hexane	0.000426 J	J J0	0.000367	0.0127	1	09/14/2017 15:13	WG1020390	
Iodomethane	U		0.00320	0.0127	1	09/14/2017 15:13	WG1020390	
Isopropylbenzene	U		0.000307	0.00127	1	09/14/2017 15:13	WG1020390	
p-Isopropyltoluene	U		0.000258	0.00127	1	09/14/2017 15:13	WG1020390	
2-Butanone (MEK)	U UJ	J0	0.00592	0.0127	1	09/14/2017 15:13	WG1020390	
Methylene Chloride	U		0.00127	0.00633	1	09/14/2017 15:13	WG1020390	
4-Methyl-2-pentanone (MIBK)	U		0.00238	0.0127	1	09/14/2017 15:13	WG1020390	JC 10/16/17

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

Analyte	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	0.00127	1	09/14/2017 15:13	WG1020390
Naphthalene	U		0.00127	0.00633	1	09/14/2017 15:13	WG1020390
n-Propylbenzene	U		0.000261	0.00127	1	09/14/2017 15:13	WG1020390
Styrene	U		0.000296	0.00127	1	09/14/2017 15:13	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000334	0.00127	1	09/14/2017 15:13	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000462	0.00127	1	09/14/2017 15:13	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000462	0.00127	1	09/14/2017 15:13	WG1020390
Tetrachloroethene	U		0.000349	0.00127	1	09/14/2017 15:13	WG1020390
Toluene	U		0.000549	0.00633	1	09/14/2017 15:13	WG1020390
1,2,3-Trichlorobenzene	U		0.000387	0.00127	1	09/14/2017 15:13	WG1020390
1,2,4-Trichlorobenzene	U		0.000491	0.00127	1	09/14/2017 15:13	WG1020390
1,1,1-Trichloroethane	U		0.000362	0.00127	1	09/14/2017 15:13	WG1020390
1,1,2-Trichloroethane	U		0.000351	0.00127	1	09/14/2017 15:13	WG1020390
Trichloroethene	U		0.000353	0.00127	1	09/14/2017 15:13	WG1020390
Trichlorofluoromethane	U		0.000483	0.00633	1	09/14/2017 15:13	WG1020390
1,2,3-Trichloropropane	U		0.000938	0.00316	1	09/14/2017 15:13	WG1020390
1,2,4-Trimethylbenzene	U UJ	J0	0.000267	0.00127	1	09/14/2017 15:13	WG1020390
1,2,3-Trimethylbenzene	U UJ	J0	0.000363	0.00127	1	09/14/2017 15:13	WG1020390
1,3,5-Trimethylbenzene	U		0.000337	0.00127	1	09/14/2017 15:13	WG1020390
Vinyl acetate	U		0.00302	0.0127	1	09/14/2017 15:13	WG1020390
Vinyl chloride	U		0.000368	0.00127	1	09/14/2017 15:13	WG1020390
Xylenes, Total	U		0.000883	0.00380	1	09/14/2017 15:13	WG1020390
(S) Toluene-d8	*104*			*80.0-120*		*09/14/2017 15:13*	WG1020390
(S) Dibromofluoromethane	*89.9*			*74.0-131*		*09/14/2017 15:13*	WG1020390
(S) 4-Bromofluorobenzene	*89.3*			*64.0-132*		*09/14/2017 15:13*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	%				
Total Solids	83.7		1	09/15/2017 11:14	WG1020730

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg	mg/kg			
Gasoline Range Organics-NWTPH	1.16 U	B J	1.01	2.99	25	09/14/2017 16:57	WG1020338
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*		*09/14/2017 16:57*	WG1020338

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg	mg/kg			
Acetone	U		0.299	1.49	25	09/18/2017 15:41	WG1020390
Acrylonitrile	U		0.0536	0.299	25	09/18/2017 15:41	WG1020390
Benzene	U		0.00807	0.0299	25	09/18/2017 15:41	WG1020390
Bromobenzene	U		0.00849	0.0299	25	09/18/2017 15:41	WG1020390
Bromodichloromethane	U		0.00759	0.0299	25	09/18/2017 15:41	WG1020390
Bromochloromethane	U		0.0117	0.149	25	09/18/2017 15:41	WG1020390
Bromoform	U		0.0127	0.0299	25	09/18/2017 15:41	WG1020390
Bromomethane	U		0.0400	0.149	25	09/18/2017 15:41	WG1020390
n-Butylbenzene	U		0.00771	0.0299	25	09/18/2017 15:41	WG1020390
sec-Butylbenzene	U		0.00600	0.0299	25	09/18/2017 15:41	WG1020390
tert-Butylbenzene	U		0.00616	0.0299	25	09/18/2017 15:41	WG1020390
Carbon disulfide	U		0.00660	0.0299	25	09/18/2017 15:41	WG1020390
Carbon tetrachloride	U		0.00980	0.0299	25	09/18/2017 15:41	WG1020390
Chlorobenzene	U		0.00634	0.0299	25	09/18/2017 15:41	WG1020390
Chlorodibromomethane	U		0.0111	0.0299	25	09/18/2017 15:41	WG1020390
Chloroethane	U		0.0282	0.149	25	09/18/2017 15:41	WG1020390
Chloroform	U		0.00684	0.149	25	09/18/2017 15:41	WG1020390
Chloromethane	U UJ	J0	0.0112	0.0747	25	09/18/2017 15:41	WG1020390
2-Chlorotoluene	U		0.00899	0.0299	25	09/18/2017 15:41	WG1020390
4-Chlorotoluene	U		0.00717	0.0299	25	09/18/2017 15:41	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.0313	0.149	25	09/18/2017 15:41	WG1020390
1,2-Dibromoethane	U		0.0103	0.0299	25	09/18/2017 15:41	WG1020390
Dibromomethane	U		0.0114	0.0299	25	09/18/2017 15:41	WG1020390
1,2-Dichlorobenzene	U		0.00911	0.0299	25	09/18/2017 15:41	WG1020390
1,3-Dichlorobenzene	U		0.00715	0.0299	25	09/18/2017 15:41	WG1020390
1,4-Dichlorobenzene	U		0.00675	0.0299	25	09/18/2017 15:41	WG1020390
Dichlorodifluoromethane	U		0.0213	0.149	25	09/18/2017 15:41	WG1020390
1,1-Dichloroethane	U		0.00595	0.0299	25	09/18/2017 15:41	WG1020390
1,2-Dichloroethane	U		0.00791	0.0299	25	09/18/2017 15:41	WG1020390
1,1-Dichloroethene	U		0.00906	0.0299	25	09/18/2017 15:41	WG1020390
cis-1,2-Dichloroethene	U		0.00703	0.0299	25	09/18/2017 15:41	WG1020390
trans-1,2-Dichloroethene	U		0.00789	0.0299	25	09/18/2017 15:41	WG1020390
1,2-Dichloropropane	U		0.0107	0.0299	25	09/18/2017 15:41	WG1020390
1,1-Dichloropropene	U		0.00947	0.0299	25	09/18/2017 15:41	WG1020390
1,3-Dichloropropane	U		0.00619	0.0299	25	09/18/2017 15:41	WG1020390
cis-1,3-Dichloropropene	U		0.00783	0.0299	25	09/18/2017 15:41	WG1020390
trans-1,3-Dichloropropene	U		0.00799	0.0299	25	09/18/2017 15:41	WG1020390
trans-1,4-Dichloro-2-butene	U UJ	J0	0.0232	0.0747	25	09/18/2017 15:41	WG1020390
2,2-Dichloropropane	U		0.00834	0.0299	25	09/18/2017 15:41	WG1020390
Di-isopropyl ether	U UJ	J0	0.00741	0.0299	25	09/18/2017 15:41	WG1020390
Ethylbenzene	U		0.00887	0.0299	25	09/18/2017 15:41	WG1020390
Hexachloro-1,3-butadiene	U		0.0102	0.0299	25	09/18/2017 15:41	WG1020390
2-Hexanone	U		0.0409	0.299	25	09/18/2017 15:41	WG1020390
n-Hexane	U		0.00867	0.299	25	09/18/2017 15:41	WG1020390

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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		0.0755	0.299	25	09/18/2017 15:41	WG1020390
Isopropylbenzene	U		0.00727	0.0299	25	09/18/2017 15:41	WG1020390
p-Isopropyltoluene	U		0.00610	0.0299	25	09/18/2017 15:41	WG1020390
2-Butanone (MEK)	U		0.140	0.299	25	09/18/2017 15:41	WG1020390
Methylene Chloride	U		0.0299	0.149	25	09/18/2017 15:41	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.0562	0.299	25	09/18/2017 15:41	WG1020390
Methyl tert-butyl ether	U		0.00634	0.0299	25	09/18/2017 15:41	WG1020390
Naphthalene	U		0.0299	0.149	25	09/18/2017 15:41	WG1020390
n-Propylbenzene	U		0.00616	0.0299	25	09/18/2017 15:41	WG1020390
Styrene	U		0.00699	0.0299	25	09/18/2017 15:41	WG1020390
1,1,1,2-Tetrachloroethane	U		0.00789	0.0299	25	09/18/2017 15:41	WG1020390
1,1,2,2-Tetrachloroethane	U		0.0109	0.0299	25	09/18/2017 15:41	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.0109	0.0299	25	09/18/2017 15:41	WG1020390
Tetrachloroethene	U		0.00825	0.0299	25	09/18/2017 15:41	WG1020390
Toluene	U		0.0129	0.149	25	09/18/2017 15:41	WG1020390
1,2,3-Trichlorobenzene	U		0.00914	0.0299	25	09/18/2017 15:41	WG1020390
1,2,4-Trichlorobenzene	U		0.0116	0.0299	25	09/18/2017 15:41	WG1020390
1,1,1-Trichloroethane	U		0.00855	0.0299	25	09/18/2017 15:41	WG1020390
1,1,2-Trichloroethane	U		0.00827	0.0299	25	09/18/2017 15:41	WG1020390
Trichloroethene	U		0.00834	0.0299	25	09/18/2017 15:41	WG1020390
Trichlorofluoromethane	U		0.0114	0.149	25	09/18/2017 15:41	WG1020390
1,2,3-Trichloropropane	U		0.0221	0.0747	25	09/18/2017 15:41	WG1020390
1,2,4-Trimethylbenzene	U		0.00631	0.0299	25	09/18/2017 15:41	WG1020390
1,2,3-Trimethylbenzene	U		0.00858	0.0299	25	09/18/2017 15:41	WG1020390
1,3,5-Trimethylbenzene	U		0.00795	0.0299	25	09/18/2017 15:41	WG1020390
Vinyl acetate	U		0.0715	0.299	25	09/18/2017 15:41	WG1020390
Vinyl chloride	U		0.00870	0.0299	25	09/18/2017 15:41	WG1020390
Xylenes, Total	U		0.0208	0.0897	25	09/18/2017 15:41	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/18/2017 15:41*	WG1020390
(S) Dibromofluoromethane	*95.3*			*74.0-131*		*09/18/2017 15:41*	WG1020390
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/18/2017 15:41*	WG1020390

Sample Narrative:

L935266-09 WG1020390: Elevated RL. IS failed in both 1x analysis due to matrix interference. Reported from MEOH vial.

JC 10/16/17

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		1.05	25.0	1	09/12/2017 13:44	WG1019184	
Acrylonitrile	U		0.873	5.00	1	09/12/2017 13:44	WG1019184	
Benzene	U		0.0896	0.500	1	09/12/2017 13:44	WG1019184	
Bromobenzene	U		0.133	0.500	1	09/12/2017 13:44	WG1019184	
Bromodichloromethane	U		0.0800	0.500	1	09/12/2017 13:44	WG1019184	
Bromochloromethane	U		0.145	0.500	1	09/12/2017 13:44	WG1019184	
Bromoform	U		0.186	0.500	1	09/12/2017 13:44	WG1019184	
Bromomethane	U		0.157	2.50	1	09/12/2017 13:44	WG1019184	
n-Butylbenzene	U		0.143	0.500	1	09/12/2017 13:44	WG1019184	
sec-Butylbenzene	U		0.134	0.500	1	09/12/2017 13:44	WG1019184	
tert-Butylbenzene	U		0.183	0.500	1	09/12/2017 13:44	WG1019184	
Carbon disulfide	U		0.101	0.500	1	09/12/2017 13:44	WG1019184	
Carbon tetrachloride	U		0.159	0.500	1	09/12/2017 13:44	WG1019184	
Chlorobenzene	U		0.140	0.500	1	09/12/2017 13:44	WG1019184	
Chlorodibromomethane	U		0.128	0.500	1	09/12/2017 13:44	WG1019184	
Chloroethane	U		0.141	2.50	1	09/12/2017 13:44	WG1019184	
Chloroform	U		0.0860	0.500	1	09/12/2017 13:44	WG1019184	
Chloromethane	U		0.153	1.25	1	09/12/2017 13:44	WG1019184	
2-Chlorotoluene	U		0.111	0.500	1	09/12/2017 13:44	WG1019184	
4-Chlorotoluene	U		0.0972	0.500	1	09/12/2017 13:44	WG1019184	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/12/2017 13:44	WG1019184	
1,2-Dibromoethane	U		0.193	0.500	1	09/12/2017 13:44	WG1019184	
Dibromomethane	U		0.117	0.500	1	09/12/2017 13:44	WG1019184	
1,2-Dichlorobenzene	U		0.101	0.500	1	09/12/2017 13:44	WG1019184	
1,3-Dichlorobenzene	U		0.130	0.500	1	09/12/2017 13:44	WG1019184	
1,4-Dichlorobenzene	U		0.121	0.500	1	09/12/2017 13:44	WG1019184	
Dichlorodifluoromethane	U		0.127	2.50	1	09/12/2017 13:44	WG1019184	
1,1-Dichloroethane	U		0.114	0.500	1	09/12/2017 13:44	WG1019184	
1,2-Dichloroethane	U		0.108	0.500	1	09/12/2017 13:44	WG1019184	
1,1-Dichloroethene	U		0.188	0.500	1	09/12/2017 13:44	WG1019184	
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/12/2017 13:44	WG1019184	
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/12/2017 13:44	WG1019184	
1,2-Dichloropropane	U		0.190	0.500	1	09/12/2017 13:44	WG1019184	
1,1-Dichloropropene	U		0.128	0.500	1	09/12/2017 13:44	WG1019184	
1,3-Dichloropropane	U		0.147	1.00	1	09/12/2017 13:44	WG1019184	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/12/2017 13:44	WG1019184	
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/12/2017 13:44	WG1019184	
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/12/2017 13:44	WG1019184	
2,2-Dichloropropane	U		0.0929	0.500	1	09/12/2017 13:44	WG1019184	
Di-isopropyl ether	U		0.0924	0.500	1	09/12/2017 13:44	WG1019184	
Ethylbenzene	U		0.158	0.500	1	09/12/2017 13:44	WG1019184	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/12/2017 13:44	WG1019184	
2-Hexanone	U		0.757	5.00	1	09/12/2017 13:44	WG1019184	
n-Hexane	U		0.305	5.00	1	09/12/2017 13:44	WG1019184	
Iodomethane	U		0.377	10.0	1	09/12/2017 13:44	WG1019184	
Isopropylbenzene	U		0.126	0.500	1	09/12/2017 13:44	WG1019184	
p-Isopropyltoluene	U		0.138	0.500	1	09/12/2017 13:44	WG1019184	
2-Butanone (MEK)	U		1.28	5.00	1	09/12/2017 13:44	WG1019184	
Methylene Chloride	U		1.07	2.50	1	09/12/2017 13:44	WG1019184	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/12/2017 13:44	WG1019184	
Methyl tert-butyl ether	U		0.102	0.500	1	09/12/2017 13:44	WG1019184	
Naphthalene	U		0.174	2.50	1	09/12/2017 13:44	WG1019184	
n-Propylbenzene	U		0.162	0.500	1	09/12/2017 13:44	WG1019184	
Styrene	U		0.117	0.500	1	09/12/2017 13:44	WG1019184	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/12/2017 13:44	WG1019184	JC 10/16/17
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/12/2017 13:44	WG1019184	

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/12/2017 13:44	WG1019184
Tetrachloroethene	U		0.199	0.500	1	09/12/2017 13:44	WG1019184
Toluene	U		0.412	0.500	1	09/12/2017 13:44	WG1019184
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/12/2017 13:44	WG1019184
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/12/2017 13:44	WG1019184
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/12/2017 13:44	WG1019184
1,1,2-Trichloroethane	U		0.186	0.500	1	09/12/2017 13:44	WG1019184
Trichloroethene	0.690		0.153	0.500	1	09/12/2017 13:44	WG1019184
Trichlorofluoromethane	U		0.130	2.50	1	09/12/2017 13:44	WG1019184
1,2,3-Trichloropropane	U		0.247	2.50	1	09/12/2017 13:44	WG1019184
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/12/2017 13:44	WG1019184
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/12/2017 13:44	WG1019184
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/12/2017 13:44	WG1019184
Vinyl acetate	U		0.645	5.00	1	09/12/2017 13:44	WG1019184
Vinyl chloride	U		0.118	0.500	1	09/12/2017 13:44	WG1019184
Xylenes, Total	U		0.316	1.50	1	09/12/2017 13:44	WG1019184
(S) Toluene-d8	*102*			*80.0-120*		*09/12/2017 13:44*	WG1019184
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/12/2017 13:44*	WG1019184
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*09/12/2017 13:44*	WG1019184

JC 10/16/17

ANALYTICAL REPORT

September 20, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L936064
Samples Received:	09/13/2017
Project Number:	141-001-02-602
Description:	American Linen Project
Site:	1413-001-02-602
Report To:	Bill Haldeman
	1215 Fourth Ave., Suite 1350
	Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

TABLE OF CONTENTS

B-212-85 L936064-01 Solid

Collected by: Shannon McKernan | Collected date/time: 09/11/17 11:00 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021488	1	09/19/17 07:24	09/19/17 07:43	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1020572	1	09/11/17 11:00	09/15/17 00:57	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020560	1	09/11/17 11:00	09/14/17 21:58	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020560	25	09/11/17 11:00	09/15/17 14:05	ACG

B-214-115 L936064-02 Solid

Collected by: Shannon McKernan | Collected date/time: 09/11/17 11:10 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021103	1	09/16/17 10:22	09/16/17 10:30	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020560	1	09/11/17 11:10	09/14/17 22:15	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020560	1	09/11/17 11:10	09/15/17 14:25	ACG

B-214-120 L936064-03 Solid

Collected by: Shannon McKernan | Collected date/time: 09/11/17 11:20 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021103	1	09/16/17 10:22	09/16/17 10:30	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/11/17 11:20	09/18/17 16:01	JHH

B-212-95 L936064-04 Solid

Collected by: Shannon McKernan | Collected date/time: 09/11/17 12:00 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021488	1	09/19/17 07:24	09/19/17 07:43	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1020572	1	09/11/17 12:00	09/15/17 01:19	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1.05	09/11/17 12:00	09/14/17 16:15	ACG

B-212-100 L936064-05 Solid

Collected by: Shannon McKernan | Collected date/time: 09/11/17 12:40 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021488	1	09/19/17 07:24	09/19/17 07:43	JD
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1020572	1	09/11/17 12:40	09/15/17 01:41	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/11/17 12:40	09/14/17 16:36	ACG

MW-138-15 L936064-06 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 10:15 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021488	1	09/19/17 07:24	09/19/17 07:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 10:15	09/14/17 16:56	ACG

B-215-15 L936064-07 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 10:30 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021488	1	09/19/17 07:24	09/19/17 07:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 10:30	09/14/17 17:17	ACG

MW-138-25 L936064-08 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 11:15 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021103	1	09/16/17 10:22	09/16/17 10:30	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 11:15	09/14/17 17:38	ACG

B-215-25 L936064-09 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 11:25 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021488	1	09/19/17 07:24	09/19/17 07:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 11:25	09/14/17 17:58	ACG

B-215-35 L936064-10 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 11:40 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021488	1	09/19/17 07:24	09/19/17 07:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 11:40	09/18/17 16:20	JHH

MW-138-35 L936064-11 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 11:40 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021488	1	09/19/17 07:24	09/19/17 07:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 11:40	09/14/17 18:40	ACG

B-215-45 L936064-12 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 12:05 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021488	1	09/19/17 07:24	09/19/17 07:43	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 12:05	09/14/17 19:00	ACG

B-215-55 L936064-13 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 12:50 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021489	1	09/19/17 08:43	09/19/17 09:14	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 12:50	09/14/17 19:21	ACG

MW-138-45 L936064-14 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 12:55 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021489	1	09/19/17 08:43	09/19/17 09:14	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 12:55	09/14/17 19:41	ACG

MW-138-56 L936064-15 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 13:35 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021489	1	09/19/17 08:43	09/19/17 09:14	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 13:35	09/14/17 20:02	ACG

B-215-65 L936064-16 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 13:50 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021489	1	09/19/17 08:43	09/19/17 09:14	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	25	09/12/17 13:50	09/14/17 20:43	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	250	09/12/17 13:50	09/18/17 16:40	JHH

B-215-75 L936064-17 Solid

Collected by: Shannon McKernan | Collected date/time: 09/12/17 14:00 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021489	1	09/19/17 08:43	09/19/17 09:14	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020390	1	09/12/17 14:00	09/14/17 20:23	ACG

TRIP BLANK-091217 L936064-18 GW

Collected by: Shannon McKernan | Collected date/time: 09/12/17 00:00 | Received date/time: 09/13/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020322	1	09/14/17 12:47	09/14/17 12:47	BMB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	09/19/2017 07:43	WG1021488

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		0.0385	0.113	1	09/15/2017 00:57	WG1020572
(S) a,a,a-Trifluorotoluene(FID)	*90.9*			*77.0-120*		*09/15/2017 00:57*	WG1020572

Volatile Organic Compounds (GC/MS) 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	0.0567	1	09/14/2017 21:58	WG1020560
Acrylonitrile	U		0.00203	0.0113	1	09/14/2017 21:58	WG1020560
Benzene	U		0.000306	0.00113	1	09/14/2017 21:58	WG1020560
Bromobenzene	U		0.000322	0.00113	1	09/14/2017 21:58	WG1020560
Bromodichloromethane	U		0.000288	0.00113	1	09/14/2017 21:58	WG1020560
Bromochloromethane	U		0.000443	0.00567	1	09/14/2017 21:58	WG1020560
Bromoform	U	J0	0.000481	0.00113	1	09/14/2017 21:58	WG1020560
Bromomethane	U		0.00152	0.00567	1	09/14/2017 21:58	WG1020560
n-Butylbenzene	U		0.000293	0.00113	1	09/14/2017 21:58	WG1020560
sec-Butylbenzene	U		0.000228	0.00113	1	09/14/2017 21:58	WG1020560
tert-Butylbenzene	U		0.000234	0.00113	1	09/14/2017 21:58	WG1020560
Carbon disulfide	0.000454	J	0.000251	0.00113	1	09/14/2017 21:58	WG1020560
Carbon tetrachloride	U		0.000372	0.00113	1	09/14/2017 21:58	WG1020560
Chlorobenzene	U		0.000241	0.00113	1	09/14/2017 21:58	WG1020560
Chlorodibromomethane	U		0.000423	0.00113	1	09/14/2017 21:58	WG1020560
Chloroethane	U		0.00107	0.00567	1	09/14/2017 21:58	WG1020560
Chloroform	U		0.000260	0.00567	1	09/14/2017 21:58	WG1020560
Chloromethane	U		0.000425	0.00284	1	09/14/2017 21:58	WG1020560
2-Chlorotoluene	U		0.000342	0.00113	1	09/14/2017 21:58	WG1020560
4-Chlorotoluene	U		0.000272	0.00113	1	09/14/2017 21:58	WG1020560
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	09/14/2017 21:58	WG1020560
1,2-Dibromoethane	U		0.000389	0.00113	1	09/14/2017 21:58	WG1020560
Dibromomethane	U		0.000433	0.00113	1	09/14/2017 21:58	WG1020560
1,2-Dichlorobenzene	U		0.000346	0.00113	1	09/14/2017 21:58	WG1020560
1,3-Dichlorobenzene	U		0.000271	0.00113	1	09/14/2017 21:58	WG1020560
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/14/2017 21:58	WG1020560
Dichlorodifluoromethane	U		0.000809	0.00567	1	09/14/2017 21:58	WG1020560
1,1-Dichloroethane	U		0.000226	0.00113	1	09/14/2017 21:58	WG1020560
1,2-Dichloroethane	U		0.000301	0.00113	1	09/14/2017 21:58	WG1020560
1,1-Dichloroethene	U		0.000344	0.00113	1	09/14/2017 21:58	WG1020560
cis-1,2-Dichloroethene	U		0.000267	0.00113	1	09/14/2017 21:58	WG1020560
trans-1,2-Dichloroethene	U		0.000300	0.00113	1	09/14/2017 21:58	WG1020560
1,2-Dichloropropane	U		0.000406	0.00113	1	09/14/2017 21:58	WG1020560
1,1-Dichloropropene	U		0.000360	0.00113	1	09/14/2017 21:58	WG1020560
1,3-Dichloropropane	U		0.000235	0.00113	1	09/14/2017 21:58	WG1020560
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	09/14/2017 21:58	WG1020560
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	09/14/2017 21:58	WG1020560
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	09/14/2017 21:58	WG1020560
2,2-Dichloropropane	U		0.000317	0.00113	1	09/14/2017 21:58	WG1020560
Di-isopropyl ether	U		0.000281	0.00113	1	09/14/2017 21:58	WG1020560
Ethylbenzene	U		0.000337	0.00113	1	09/14/2017 21:58	WG1020560
Hexachloro-1,3-butadiene	U		0.00970	0.0284	25	09/15/2017 14:05	WG1020560
2-Hexanone	U		0.00155	0.0113	1	09/14/2017 21:58	WG1020560
n-Hexane	U		0.000329	0.0113	1	09/14/2017 21:58	WG1020560

Volatile Organic Compounds (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	09/14/2017 21:58	WG1020560
Isopropylbenzene	U		0.000276	0.00113	1	09/14/2017 21:58	WG1020560
p-Isopropyltoluene	U		0.000231	0.00113	1	09/14/2017 21:58	WG1020560
2-Butanone (MEK)	U	J0	0.00531	0.0113	1	09/14/2017 21:58	WG1020560
Methylene Chloride	U		0.00113	0.00567	1	09/14/2017 21:58	WG1020560
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	09/14/2017 21:58	WG1020560
Methyl tert-butyl ether	U		0.000241	0.00113	1	09/14/2017 21:58	WG1020560
Naphthalene	U		0.00113	0.00567	1	09/14/2017 21:58	WG1020560
n-Propylbenzene	U		0.000234	0.00113	1	09/14/2017 21:58	WG1020560
Styrene	U		0.000266	0.00113	1	09/14/2017 21:58	WG1020560
1,1,1,2-Tetrachloroethane	U		0.000300	0.00113	1	09/14/2017 21:58	WG1020560
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	09/14/2017 21:58	WG1020560
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	09/14/2017 21:58	WG1020560
Tetrachloroethene	U		0.000313	0.00113	1	09/14/2017 21:58	WG1020560
Toluene	U		0.000492	0.00567	1	09/14/2017 21:58	WG1020560
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	09/14/2017 21:58	WG1020560
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	09/14/2017 21:58	WG1020560
1,1,1-Trichloroethane	U		0.000325	0.00113	1	09/14/2017 21:58	WG1020560
1,1,2-Trichloroethane	U		0.000314	0.00113	1	09/14/2017 21:58	WG1020560
Trichloroethene	U		0.000317	0.00113	1	09/14/2017 21:58	WG1020560
Trichlorofluoromethane	U		0.000433	0.00567	1	09/14/2017 21:58	WG1020560
1,2,3-Trichloropropane	U		0.000841	0.00284	1	09/14/2017 21:58	WG1020560
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	09/14/2017 21:58	WG1020560
1,2,3-Trimethylbenzene	U		0.000326	0.00113	1	09/14/2017 21:58	WG1020560
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	09/14/2017 21:58	WG1020560
Vinyl acetate	U		0.00271	0.0113	1	09/14/2017 21:58	WG1020560
Vinyl chloride	U		0.000330	0.00113	1	09/14/2017 21:58	WG1020560
Xylenes, Total	U		0.000792	0.00340	1	09/14/2017 21:58	WG1020560
(S) Toluene-d8	*94.3*			*80.0-120*		*09/14/2017 21:58*	WG1020560
(S) Toluene-d8	*94.2*			*80.0-120*		*09/15/2017 14:05*	WG1020560
(S) Dibromofluoromethane	*94.7*			*74.0-131*		*09/15/2017 14:05*	WG1020560
(S) Dibromofluoromethane	*109*			*74.0-131*		*09/14/2017 21:58*	WG1020560
(S) 4-Bromofluorobenzene	*98.0*			*64.0-132*		*09/14/2017 21:58*	WG1020560
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/15/2017 14:05*	WG1020560

Sample Narrative:

L936064-01 WG1020560: Elevated RL. Reported from MEOH vial. Bisulfates used in previous runs.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	09/16/2017 10:30	WG1021103

Volatile Organic Compounds (GC/MS) 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	0.0610	1	09/14/2017 22:15	WG1020560
Acrylonitrile	U		0.00218	0.0122	1	09/14/2017 22:15	WG1020560
Benzene	U		0.000329	0.00122	1	09/14/2017 22:15	WG1020560
Bromobenzene	U		0.000346	0.00122	1	09/14/2017 22:15	WG1020560
Bromodichloromethane	U		0.000310	0.00122	1	09/14/2017 22:15	WG1020560
Bromochloromethane	U		0.000476	0.00610	1	09/14/2017 22:15	WG1020560
Bromoform	U	J0	0.000517	0.00122	1	09/14/2017 22:15	WG1020560
Bromomethane	U		0.00163	0.00610	1	09/14/2017 22:15	WG1020560
n-Butylbenzene	U		0.000315	0.00122	1	09/14/2017 22:15	WG1020560
sec-Butylbenzene	U		0.000245	0.00122	1	09/14/2017 22:15	WG1020560
tert-Butylbenzene	U		0.000251	0.00122	1	09/14/2017 22:15	WG1020560
Carbon disulfide	U		0.000270	0.00122	1	09/14/2017 22:15	WG1020560
Carbon tetrachloride	U		0.000400	0.00122	1	09/14/2017 22:15	WG1020560
Chlorobenzene	U		0.000259	0.00122	1	09/14/2017 22:15	WG1020560
Chlorodibromomethane	U		0.000455	0.00122	1	09/14/2017 22:15	WG1020560
Chloroethane	U		0.00115	0.00610	1	09/14/2017 22:15	WG1020560
Chloroform	U		0.000279	0.00610	1	09/14/2017 22:15	WG1020560
Chloromethane	U		0.000457	0.00305	1	09/14/2017 22:15	WG1020560
2-Chlorotoluene	U		0.000367	0.00122	1	09/14/2017 22:15	WG1020560
4-Chlorotoluene	U		0.000293	0.00122	1	09/14/2017 22:15	WG1020560
1,2-Dibromo-3-Chloropropane	U		0.00128	0.00610	1	09/14/2017 22:15	WG1020560
1,2-Dibromoethane	U		0.000418	0.00122	1	09/14/2017 22:15	WG1020560
Dibromomethane	U		0.000466	0.00122	1	09/14/2017 22:15	WG1020560
1,2-Dichlorobenzene	U		0.000372	0.00122	1	09/14/2017 22:15	WG1020560
1,3-Dichlorobenzene	U		0.000292	0.00122	1	09/14/2017 22:15	WG1020560
1,4-Dichlorobenzene	U		0.000276	0.00122	1	09/14/2017 22:15	WG1020560
Dichlorodifluoromethane	U		0.000870	0.00610	1	09/14/2017 22:15	WG1020560
1,1-Dichloroethane	U		0.000243	0.00122	1	09/14/2017 22:15	WG1020560
1,2-Dichloroethane	U		0.000323	0.00122	1	09/14/2017 22:15	WG1020560
1,1-Dichloroethene	U		0.000370	0.00122	1	09/14/2017 22:15	WG1020560
cis-1,2-Dichloroethene	U		0.000287	0.00122	1	09/14/2017 22:15	WG1020560
trans-1,2-Dichloroethene	U		0.000322	0.00122	1	09/14/2017 22:15	WG1020560
1,2-Dichloropropane	U		0.000437	0.00122	1	09/14/2017 22:15	WG1020560
1,1-Dichloropropene	U		0.000387	0.00122	1	09/14/2017 22:15	WG1020560
1,3-Dichloropropane	U		0.000252	0.00122	1	09/14/2017 22:15	WG1020560
cis-1,3-Dichloropropene	U		0.000320	0.00122	1	09/14/2017 22:15	WG1020560
trans-1,3-Dichloropropene	U		0.000326	0.00122	1	09/14/2017 22:15	WG1020560
trans-1,4-Dichloro-2-butene	U		0.000949	0.00305	1	09/14/2017 22:15	WG1020560
2,2-Dichloropropane	U		0.000340	0.00122	1	09/14/2017 22:15	WG1020560
Di-isopropyl ether	U		0.000302	0.00122	1	09/14/2017 22:15	WG1020560
Ethylbenzene	U		0.000362	0.00122	1	09/14/2017 22:15	WG1020560
Hexachloro-1,3-butadiene	U		0.000417	0.00122	1	09/15/2017 14:25	WG1020560
2-Hexanone	U		0.00167	0.0122	1	09/14/2017 22:15	WG1020560
n-Hexane	U		0.000354	0.0122	1	09/14/2017 22:15	WG1020560
Iodomethane	U		0.00309	0.0122	1	09/14/2017 22:15	WG1020560
Isopropylbenzene	U		0.000296	0.00122	1	09/14/2017 22:15	WG1020560
p-Isopropyltoluene	U		0.000249	0.00122	1	09/14/2017 22:15	WG1020560
2-Butanone (MEK)	U	J0	0.00571	0.0122	1	09/14/2017 22:15	WG1020560
Methylene Chloride	U		0.00122	0.00610	1	09/14/2017 22:15	WG1020560
4-Methyl-2-pentanone (MIBK)	U		0.00229	0.0122	1	09/14/2017 22:15	WG1020560

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000259	0.00122	1	09/14/2017 22:15	WG1020560
Naphthalene	U		0.00122	0.00610	1	09/14/2017 22:15	WG1020560
n-Propylbenzene	U		0.000251	0.00122	1	09/14/2017 22:15	WG1020560
Styrene	U		0.000285	0.00122	1	09/14/2017 22:15	WG1020560
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	09/14/2017 22:15	WG1020560
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	09/14/2017 22:15	WG1020560
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	09/14/2017 22:15	WG1020560
Tetrachloroethene	U		0.000337	0.00122	1	09/14/2017 22:15	WG1020560
Toluene	U		0.000529	0.00610	1	09/14/2017 22:15	WG1020560
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	09/14/2017 22:15	WG1020560
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	09/14/2017 22:15	WG1020560
1,1,1-Trichloroethane	U		0.000349	0.00122	1	09/14/2017 22:15	WG1020560
1,1,2-Trichloroethane	U		0.000338	0.00122	1	09/14/2017 22:15	WG1020560
Trichloroethene	U		0.000340	0.00122	1	09/14/2017 22:15	WG1020560
Trichlorofluoromethane	U		0.000466	0.00610	1	09/14/2017 22:15	WG1020560
1,2,3-Trichloropropane	U		0.000904	0.00305	1	09/14/2017 22:15	WG1020560
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	09/14/2017 22:15	WG1020560
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	09/14/2017 22:15	WG1020560
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	09/14/2017 22:15	WG1020560
Vinyl acetate	U		0.00292	0.0122	1	09/14/2017 22:15	WG1020560
Vinyl chloride	U		0.000355	0.00122	1	09/14/2017 22:15	WG1020560
Xylenes, Total	U		0.000851	0.00366	1	09/14/2017 22:15	WG1020560
(S) Toluene-d8	*95.3*			*80.0-120*		*09/14/2017 22:15*	WG1020560
(S) Toluene-d8	*107*			*80.0-120*		*09/15/2017 14:25*	WG1020560
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/14/2017 22:15*	WG1020560
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*09/15/2017 14:25*	WG1020560
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/15/2017 14:25*	WG1020560
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*09/14/2017 22:15*	WG1020560

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	09/16/2017 10:30	WG1021103

Volatile Organic Compounds (GC/MS) 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	09/18/2017 16:01	WG1020390
Acrylonitrile	U		0.00211	0.0118	1	09/18/2017 16:01	WG1020390
Benzene	U		0.000319	0.00118	1	09/18/2017 16:01	WG1020390
Bromobenzene	U		0.000335	0.00118	1	09/18/2017 16:01	WG1020390
Bromodichloromethane	U		0.000300	0.00118	1	09/18/2017 16:01	WG1020390
Bromochloromethane	U		0.000461	0.00590	1	09/18/2017 16:01	WG1020390
Bromoform	U		0.000501	0.00118	1	09/18/2017 16:01	WG1020390
Bromomethane	U		0.00158	0.00590	1	09/18/2017 16:01	WG1020390
n-Butylbenzene	U		0.000305	0.00118	1	09/18/2017 16:01	WG1020390
sec-Butylbenzene	U		0.000237	0.00118	1	09/18/2017 16:01	WG1020390
tert-Butylbenzene	U		0.000243	0.00118	1	09/18/2017 16:01	WG1020390
Carbon disulfide	U		0.000261	0.00118	1	09/18/2017 16:01	WG1020390
Carbon tetrachloride	U		0.000387	0.00118	1	09/18/2017 16:01	WG1020390
Chlorobenzene	U		0.000250	0.00118	1	09/18/2017 16:01	WG1020390
Chlorodibromomethane	U		0.000440	0.00118	1	09/18/2017 16:01	WG1020390
Chloroethane	U		0.00112	0.00590	1	09/18/2017 16:01	WG1020390
Chloroform	U		0.000270	0.00590	1	09/18/2017 16:01	WG1020390
Chloromethane	U	J0	0.000443	0.00295	1	09/18/2017 16:01	WG1020390
2-Chlorotoluene	U		0.000355	0.00118	1	09/18/2017 16:01	WG1020390
4-Chlorotoluene	U		0.000283	0.00118	1	09/18/2017 16:01	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00590	1	09/18/2017 16:01	WG1020390
1,2-Dibromoethane	U		0.000405	0.00118	1	09/18/2017 16:01	WG1020390
Dibromomethane	U		0.000451	0.00118	1	09/18/2017 16:01	WG1020390
1,2-Dichlorobenzene	U		0.000360	0.00118	1	09/18/2017 16:01	WG1020390
1,3-Dichlorobenzene	U		0.000282	0.00118	1	09/18/2017 16:01	WG1020390
1,4-Dichlorobenzene	U		0.000267	0.00118	1	09/18/2017 16:01	WG1020390
Dichlorodifluoromethane	U		0.000842	0.00590	1	09/18/2017 16:01	WG1020390
1,1-Dichloroethane	U		0.000235	0.00118	1	09/18/2017 16:01	WG1020390
1,2-Dichloroethane	U		0.000313	0.00118	1	09/18/2017 16:01	WG1020390
1,1-Dichloroethene	U		0.000358	0.00118	1	09/18/2017 16:01	WG1020390
cis-1,2-Dichloroethene	U		0.000278	0.00118	1	09/18/2017 16:01	WG1020390
trans-1,2-Dichloroethene	U		0.000312	0.00118	1	09/18/2017 16:01	WG1020390
1,2-Dichloropropane	U		0.000423	0.00118	1	09/18/2017 16:01	WG1020390
1,1-Dichloropropene	U		0.000374	0.00118	1	09/18/2017 16:01	WG1020390
1,3-Dichloropropane	U		0.000244	0.00118	1	09/18/2017 16:01	WG1020390
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	09/18/2017 16:01	WG1020390
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	09/18/2017 16:01	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000919	0.00295	1	09/18/2017 16:01	WG1020390
2,2-Dichloropropane	U		0.000329	0.00118	1	09/18/2017 16:01	WG1020390
Di-isopropyl ether	U	J0	0.000293	0.00118	1	09/18/2017 16:01	WG1020390
Ethylbenzene	U		0.000351	0.00118	1	09/18/2017 16:01	WG1020390
Hexachloro-1,3-butadiene	U		0.000404	0.00118	1	09/18/2017 16:01	WG1020390
2-Hexanone	U		0.00162	0.0118	1	09/18/2017 16:01	WG1020390
n-Hexane	U		0.000342	0.0118	1	09/18/2017 16:01	WG1020390
Iodomethane	U		0.00299	0.0118	1	09/18/2017 16:01	WG1020390
Isopropylbenzene	U		0.000287	0.00118	1	09/18/2017 16:01	WG1020390
p-Isopropyltoluene	U		0.000241	0.00118	1	09/18/2017 16:01	WG1020390
2-Butanone (MEK)	U		0.00553	0.0118	1	09/18/2017 16:01	WG1020390
Methylene Chloride	U		0.00118	0.00590	1	09/18/2017 16:01	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	09/18/2017 16:01	WG1020390

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		0.000250	0.00118	1	09/18/2017 16:01	WG1020390
Naphthalene	U		0.00118	0.00590	1	09/18/2017 16:01	WG1020390
n-Propylbenzene	U		0.000243	0.00118	1	09/18/2017 16:01	WG1020390
Styrene	U		0.000276	0.00118	1	09/18/2017 16:01	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	09/18/2017 16:01	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	09/18/2017 16:01	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	09/18/2017 16:01	WG1020390
Tetrachloroethene	U		0.000326	0.00118	1	09/18/2017 16:01	WG1020390
Toluene	U		0.000513	0.00590	1	09/18/2017 16:01	WG1020390
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	09/18/2017 16:01	WG1020390
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	09/18/2017 16:01	WG1020390
1,1,1-Trichloroethane	U		0.000338	0.00118	1	09/18/2017 16:01	WG1020390
1,1,2-Trichloroethane	U		0.000327	0.00118	1	09/18/2017 16:01	WG1020390
Trichloroethene	U		0.000329	0.00118	1	09/18/2017 16:01	WG1020390
Trichlorofluoromethane	U		0.000451	0.00590	1	09/18/2017 16:01	WG1020390
1,2,3-Trichloropropane	U		0.000875	0.00295	1	09/18/2017 16:01	WG1020390
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	09/18/2017 16:01	WG1020390
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	09/18/2017 16:01	WG1020390
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	09/18/2017 16:01	WG1020390
Vinyl acetate	U		0.00282	0.0118	1	09/18/2017 16:01	WG1020390
Vinyl chloride	U		0.000344	0.00118	1	09/18/2017 16:01	WG1020390
Xylenes, Total	U		0.000824	0.00354	1	09/18/2017 16:01	WG1020390
(S) Toluene-d8	*106*			*80.0-120*		*09/18/2017 16:01*	WG1020390
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*09/18/2017 16:01*	WG1020390
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*09/18/2017 16:01*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.3		1	09/19/2017 07:43	WG1021488

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		0.0422	0.125	1	09/15/2017 01:19	WG1020572
(S) a,a,a-Trifluorotoluene(FID)	*91.0*			*77.0-120*		*09/15/2017 01:19*	WG1020572

Volatile Organic Compounds (GC/MS) 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	0.0131	0.0654	1.05	09/14/2017 16:15	WG1020390
Acrylonitrile	U		0.00234	0.0131	1.05	09/14/2017 16:15	WG1020390
Benzene	U		0.000354	0.00131	1.05	09/14/2017 16:15	WG1020390
Bromobenzene	U	J0	0.000371	0.00131	1.05	09/14/2017 16:15	WG1020390
Bromodichloromethane	U		0.000333	0.00131	1.05	09/14/2017 16:15	WG1020390
Bromochloromethane	U		0.000511	0.00654	1.05	09/14/2017 16:15	WG1020390
Bromoform	U		0.000554	0.00131	1.05	09/14/2017 16:15	WG1020390
Bromomethane	U		0.00176	0.00654	1.05	09/14/2017 16:15	WG1020390
n-Butylbenzene	U		0.000337	0.00131	1.05	09/14/2017 16:15	WG1020390
sec-Butylbenzene	U		0.000263	0.00131	1.05	09/14/2017 16:15	WG1020390
tert-Butylbenzene	U		0.000269	0.00131	1.05	09/14/2017 16:15	WG1020390
Carbon disulfide	U		0.000289	0.00131	1.05	09/14/2017 16:15	WG1020390
Carbon tetrachloride	U		0.000428	0.00131	1.05	09/14/2017 16:15	WG1020390
Chlorobenzene	U		0.000278	0.00131	1.05	09/14/2017 16:15	WG1020390
Chlorodibromomethane	U		0.000488	0.00131	1.05	09/14/2017 16:15	WG1020390
Chloroethane	U	J0	0.00124	0.00654	1.05	09/14/2017 16:15	WG1020390
Chloroform	U		0.000299	0.00654	1.05	09/14/2017 16:15	WG1020390
Chloromethane	U	J0	0.000491	0.00327	1.05	09/14/2017 16:15	WG1020390
2-Chlorotoluene	U		0.000394	0.00131	1.05	09/14/2017 16:15	WG1020390
4-Chlorotoluene	U		0.000314	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00137	0.00654	1.05	09/14/2017 16:15	WG1020390
1,2-Dibromoethane	U		0.000448	0.00131	1.05	09/14/2017 16:15	WG1020390
Dibromomethane	U		0.000499	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2-Dichlorobenzene	U		0.000399	0.00131	1.05	09/14/2017 16:15	WG1020390
1,3-Dichlorobenzene	U		0.000313	0.00131	1.05	09/14/2017 16:15	WG1020390
1,4-Dichlorobenzene	U		0.000295	0.00131	1.05	09/14/2017 16:15	WG1020390
Dichlorodifluoromethane	U		0.000933	0.00654	1.05	09/14/2017 16:15	WG1020390
1,1-Dichloroethane	U		0.000260	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2-Dichloroethane	U		0.000346	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1-Dichloroethene	U		0.000396	0.00131	1.05	09/14/2017 16:15	WG1020390
cis-1,2-Dichloroethene	U		0.000308	0.00131	1.05	09/14/2017 16:15	WG1020390
trans-1,2-Dichloroethene	U		0.000345	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2-Dichloropropane	U		0.000468	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1-Dichloropropene	U		0.000415	0.00131	1.05	09/14/2017 16:15	WG1020390
1,3-Dichloropropane	U		0.000270	0.00131	1.05	09/14/2017 16:15	WG1020390
cis-1,3-Dichloropropene	U		0.000342	0.00131	1.05	09/14/2017 16:15	WG1020390
trans-1,3-Dichloropropene	U		0.000349	0.00131	1.05	09/14/2017 16:15	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.00102	0.00327	1.05	09/14/2017 16:15	WG1020390
2,2-Dichloropropane	U		0.000365	0.00131	1.05	09/14/2017 16:15	WG1020390
Di-isopropyl ether	U		0.000324	0.00131	1.05	09/14/2017 16:15	WG1020390
Ethylbenzene	U		0.000389	0.00131	1.05	09/14/2017 16:15	WG1020390
Hexachloro-1,3-butadiene	U		0.000447	0.00131	1.05	09/14/2017 16:15	WG1020390
2-Hexanone	U		0.00179	0.0131	1.05	09/14/2017 16:15	WG1020390
n-Hexane	U	J0	0.000379	0.0131	1.05	09/14/2017 16:15	WG1020390

Volatile Organic Compounds (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		0.00331	0.0131	1.05	09/14/2017 16:15	WG1020390
Isopropylbenzene	U		0.000318	0.00131	1.05	09/14/2017 16:15	WG1020390
p-Isopropyltoluene	U		0.000267	0.00131	1.05	09/14/2017 16:15	WG1020390
2-Butanone (MEK)	U	J0	0.00611	0.0131	1.05	09/14/2017 16:15	WG1020390
Methylene Chloride	U		0.00131	0.00654	1.05	09/14/2017 16:15	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00245	0.0131	1.05	09/14/2017 16:15	WG1020390
Methyl tert-butyl ether	U		0.000278	0.00131	1.05	09/14/2017 16:15	WG1020390
Naphthalene	U		0.00131	0.00654	1.05	09/14/2017 16:15	WG1020390
n-Propylbenzene	U		0.000269	0.00131	1.05	09/14/2017 16:15	WG1020390
Styrene	U		0.000306	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000345	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000477	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000477	0.00131	1.05	09/14/2017 16:15	WG1020390
Tetrachloroethene	U		0.000361	0.00131	1.05	09/14/2017 16:15	WG1020390
Toluene	U		0.000568	0.00654	1.05	09/14/2017 16:15	WG1020390
1,2,3-Trichlorobenzene	U		0.000400	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2,4-Trichlorobenzene	U		0.000507	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,1-Trichloroethane	U		0.000374	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,2-Trichloroethane	U		0.000362	0.00131	1.05	09/14/2017 16:15	WG1020390
Trichloroethene	U		0.000365	0.00131	1.05	09/14/2017 16:15	WG1020390
Trichlorofluoromethane	U		0.000499	0.00654	1.05	09/14/2017 16:15	WG1020390
1,2,3-Trichloropropane	U		0.000969	0.00327	1.05	09/14/2017 16:15	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000276	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000375	0.00131	1.05	09/14/2017 16:15	WG1020390
1,3,5-Trimethylbenzene	U		0.000347	0.00131	1.05	09/14/2017 16:15	WG1020390
Vinyl acetate	U		0.00313	0.0131	1.05	09/14/2017 16:15	WG1020390
Vinyl chloride	U		0.000381	0.00131	1.05	09/14/2017 16:15	WG1020390
Xylenes, Total	U		0.000913	0.00392	1.05	09/14/2017 16:15	WG1020390
(S) Toluene-d8	*94.9*			*80.0-120*		*09/14/2017 16:15*	WG1020390
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/14/2017 16:15*	WG1020390
(S) 4-Bromofluorobenzene	*89.2*			*64.0-132*		*09/14/2017 16:15*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	09/19/2017 07:43	WG1021488

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		0.0409	0.121	1	09/15/2017 01:41	WG1020572
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*77.0-120*		*09/15/2017 01:41*	WG1020572

Volatile Organic Compounds (GC/MS) 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	0.0603	1	09/14/2017 16:36	WG1020390
Acrylonitrile	U		0.00216	0.0121	1	09/14/2017 16:36	WG1020390
Benzene	U		0.000326	0.00121	1	09/14/2017 16:36	WG1020390
Bromobenzene	U	J0	0.000343	0.00121	1	09/14/2017 16:36	WG1020390
Bromodichloromethane	U		0.000307	0.00121	1	09/14/2017 16:36	WG1020390
Bromochloromethane	U		0.000471	0.00603	1	09/14/2017 16:36	WG1020390
Bromoform	U		0.000512	0.00121	1	09/14/2017 16:36	WG1020390
Bromomethane	U		0.00162	0.00603	1	09/14/2017 16:36	WG1020390
n-Butylbenzene	U		0.000311	0.00121	1	09/14/2017 16:36	WG1020390
sec-Butylbenzene	U		0.000243	0.00121	1	09/14/2017 16:36	WG1020390
tert-Butylbenzene	U		0.000249	0.00121	1	09/14/2017 16:36	WG1020390
Carbon disulfide	U		0.000267	0.00121	1	09/14/2017 16:36	WG1020390
Carbon tetrachloride	U		0.000396	0.00121	1	09/14/2017 16:36	WG1020390
Chlorobenzene	U		0.000256	0.00121	1	09/14/2017 16:36	WG1020390
Chlorodibromomethane	U		0.000450	0.00121	1	09/14/2017 16:36	WG1020390
Chloroethane	U	J0	0.00114	0.00603	1	09/14/2017 16:36	WG1020390
Chloroform	U		0.000276	0.00603	1	09/14/2017 16:36	WG1020390
Chloromethane	U	J0	0.000453	0.00302	1	09/14/2017 16:36	WG1020390
2-Chlorotoluene	U		0.000363	0.00121	1	09/14/2017 16:36	WG1020390
4-Chlorotoluene	U		0.000290	0.00121	1	09/14/2017 16:36	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00603	1	09/14/2017 16:36	WG1020390
1,2-Dibromoethane	U		0.000414	0.00121	1	09/14/2017 16:36	WG1020390
Dibromomethane	U		0.000461	0.00121	1	09/14/2017 16:36	WG1020390
1,2-Dichlorobenzene	U		0.000368	0.00121	1	09/14/2017 16:36	WG1020390
1,3-Dichlorobenzene	U		0.000288	0.00121	1	09/14/2017 16:36	WG1020390
1,4-Dichlorobenzene	U		0.000273	0.00121	1	09/14/2017 16:36	WG1020390
Dichlorodifluoromethane	U		0.000860	0.00603	1	09/14/2017 16:36	WG1020390
1,1-Dichloroethane	U		0.000240	0.00121	1	09/14/2017 16:36	WG1020390
1,2-Dichloroethane	U		0.000320	0.00121	1	09/14/2017 16:36	WG1020390
1,1-Dichloroethene	U		0.000366	0.00121	1	09/14/2017 16:36	WG1020390
cis-1,2-Dichloroethene	U		0.000284	0.00121	1	09/14/2017 16:36	WG1020390
trans-1,2-Dichloroethene	U		0.000319	0.00121	1	09/14/2017 16:36	WG1020390
1,2-Dichloropropane	U		0.000432	0.00121	1	09/14/2017 16:36	WG1020390
1,1-Dichloropropene	U		0.000383	0.00121	1	09/14/2017 16:36	WG1020390
1,3-Dichloropropane	U		0.000250	0.00121	1	09/14/2017 16:36	WG1020390
cis-1,3-Dichloropropene	U		0.000316	0.00121	1	09/14/2017 16:36	WG1020390
trans-1,3-Dichloropropene	U		0.000322	0.00121	1	09/14/2017 16:36	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000939	0.00302	1	09/14/2017 16:36	WG1020390
2,2-Dichloropropane	U		0.000337	0.00121	1	09/14/2017 16:36	WG1020390
Di-isopropyl ether	U		0.000299	0.00121	1	09/14/2017 16:36	WG1020390
Ethylbenzene	U		0.000358	0.00121	1	09/14/2017 16:36	WG1020390
Hexachloro-1,3-butadiene	U		0.000413	0.00121	1	09/14/2017 16:36	WG1020390
2-Hexanone	U		0.00165	0.0121	1	09/14/2017 16:36	WG1020390
n-Hexane	U	J0	0.000350	0.0121	1	09/14/2017 16:36	WG1020390

Volatile Organic Compounds (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		0.00305	0.0121	1	09/14/2017 16:36	WG1020390
Isopropylbenzene	U		0.000293	0.00121	1	09/14/2017 16:36	WG1020390
p-Isopropyltoluene	U		0.000246	0.00121	1	09/14/2017 16:36	WG1020390
2-Butanone (MEK)	U	J0	0.00565	0.0121	1	09/14/2017 16:36	WG1020390
Methylene Chloride	U		0.00121	0.00603	1	09/14/2017 16:36	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	09/14/2017 16:36	WG1020390
Methyl tert-butyl ether	U		0.000256	0.00121	1	09/14/2017 16:36	WG1020390
Naphthalene	U		0.00121	0.00603	1	09/14/2017 16:36	WG1020390
n-Propylbenzene	U		0.000249	0.00121	1	09/14/2017 16:36	WG1020390
Styrene	U		0.000282	0.00121	1	09/14/2017 16:36	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000319	0.00121	1	09/14/2017 16:36	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000440	0.00121	1	09/14/2017 16:36	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00121	1	09/14/2017 16:36	WG1020390
Tetrachloroethene	U		0.000333	0.00121	1	09/14/2017 16:36	WG1020390
Toluene	U		0.000524	0.00603	1	09/14/2017 16:36	WG1020390
1,2,3-Trichlorobenzene	U		0.000369	0.00121	1	09/14/2017 16:36	WG1020390
1,2,4-Trichlorobenzene	U		0.000468	0.00121	1	09/14/2017 16:36	WG1020390
1,1,1-Trichloroethane	U		0.000345	0.00121	1	09/14/2017 16:36	WG1020390
1,1,2-Trichloroethane	U		0.000334	0.00121	1	09/14/2017 16:36	WG1020390
Trichloroethene	U		0.000337	0.00121	1	09/14/2017 16:36	WG1020390
Trichlorofluoromethane	U		0.000461	0.00603	1	09/14/2017 16:36	WG1020390
1,2,3-Trichloropropane	U		0.000894	0.00302	1	09/14/2017 16:36	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000255	0.00121	1	09/14/2017 16:36	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000346	0.00121	1	09/14/2017 16:36	WG1020390
1,3,5-Trimethylbenzene	U		0.000321	0.00121	1	09/14/2017 16:36	WG1020390
Vinyl acetate	U		0.00288	0.0121	1	09/14/2017 16:36	WG1020390
Vinyl chloride	U		0.000351	0.00121	1	09/14/2017 16:36	WG1020390
Xylenes, Total	U		0.000842	0.00362	1	09/14/2017 16:36	WG1020390
(S) Toluene-d8	*99.0*			*80.0-120*		*09/14/2017 16:36*	WG1020390
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*09/14/2017 16:36*	WG1020390
(S) 4-Bromofluorobenzene	*83.9*			*64.0-132*		*09/14/2017 16:36*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0594	1	09/14/2017 16:56	WG1020390
Acrylonitrile	U		0.00213	0.0119	1	09/14/2017 16:56	WG1020390
Benzene	U		0.000321	0.00119	1	09/14/2017 16:56	WG1020390
Bromobenzene	U	J0	0.000338	0.00119	1	09/14/2017 16:56	WG1020390
Bromodichloromethane	U		0.000302	0.00119	1	09/14/2017 16:56	WG1020390
Bromochloromethane	U		0.000464	0.00594	1	09/14/2017 16:56	WG1020390
Bromoform	U		0.000504	0.00119	1	09/14/2017 16:56	WG1020390
Bromomethane	U		0.00159	0.00594	1	09/14/2017 16:56	WG1020390
n-Butylbenzene	U		0.000307	0.00119	1	09/14/2017 16:56	WG1020390
sec-Butylbenzene	U		0.000239	0.00119	1	09/14/2017 16:56	WG1020390
tert-Butylbenzene	U		0.000245	0.00119	1	09/14/2017 16:56	WG1020390
Carbon disulfide	U		0.000263	0.00119	1	09/14/2017 16:56	WG1020390
Carbon tetrachloride	U		0.000390	0.00119	1	09/14/2017 16:56	WG1020390
Chlorobenzene	U		0.000252	0.00119	1	09/14/2017 16:56	WG1020390
Chlorodibromomethane	U		0.000443	0.00119	1	09/14/2017 16:56	WG1020390
Chloroethane	U	J0	0.00112	0.00594	1	09/14/2017 16:56	WG1020390
Chloroform	U		0.000272	0.00594	1	09/14/2017 16:56	WG1020390
Chloromethane	U	J0	0.000446	0.00297	1	09/14/2017 16:56	WG1020390
2-Chlorotoluene	U		0.000358	0.00119	1	09/14/2017 16:56	WG1020390
4-Chlorotoluene	U		0.000285	0.00119	1	09/14/2017 16:56	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00594	1	09/14/2017 16:56	WG1020390
1,2-Dibromoethane	U		0.000408	0.00119	1	09/14/2017 16:56	WG1020390
Dibromomethane	U		0.000454	0.00119	1	09/14/2017 16:56	WG1020390
1,2-Dichlorobenzene	U		0.000363	0.00119	1	09/14/2017 16:56	WG1020390
1,3-Dichlorobenzene	U		0.000284	0.00119	1	09/14/2017 16:56	WG1020390
1,4-Dichlorobenzene	U		0.000269	0.00119	1	09/14/2017 16:56	WG1020390
Dichlorodifluoromethane	U		0.000848	0.00594	1	09/14/2017 16:56	WG1020390
1,1-Dichloroethane	U		0.000237	0.00119	1	09/14/2017 16:56	WG1020390
1,2-Dichloroethane	U		0.000315	0.00119	1	09/14/2017 16:56	WG1020390
1,1-Dichloroethene	U		0.000360	0.00119	1	09/14/2017 16:56	WG1020390
cis-1,2-Dichloroethene	U		0.000279	0.00119	1	09/14/2017 16:56	WG1020390
trans-1,2-Dichloroethene	U		0.000314	0.00119	1	09/14/2017 16:56	WG1020390
1,2-Dichloropropane	U		0.000426	0.00119	1	09/14/2017 16:56	WG1020390
1,1-Dichloropropene	U		0.000377	0.00119	1	09/14/2017 16:56	WG1020390
1,3-Dichloropropane	U		0.000246	0.00119	1	09/14/2017 16:56	WG1020390
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	09/14/2017 16:56	WG1020390
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	09/14/2017 16:56	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000925	0.00297	1	09/14/2017 16:56	WG1020390
2,2-Dichloropropane	U		0.000332	0.00119	1	09/14/2017 16:56	WG1020390
Di-isopropyl ether	U		0.000295	0.00119	1	09/14/2017 16:56	WG1020390
Ethylbenzene	U		0.000353	0.00119	1	09/14/2017 16:56	WG1020390
Hexachloro-1,3-butadiene	U		0.000407	0.00119	1	09/14/2017 16:56	WG1020390
2-Hexanone	U		0.00163	0.0119	1	09/14/2017 16:56	WG1020390
n-Hexane	U	J0	0.000345	0.0119	1	09/14/2017 16:56	WG1020390
Iodomethane	U		0.00301	0.0119	1	09/14/2017 16:56	WG1020390
Isopropylbenzene	U		0.000289	0.00119	1	09/14/2017 16:56	WG1020390
p-Isopropyltoluene	U		0.000243	0.00119	1	09/14/2017 16:56	WG1020390
2-Butanone (MEK)	U	J0	0.00556	0.0119	1	09/14/2017 16:56	WG1020390
Methylene Chloride	U		0.00119	0.00594	1	09/14/2017 16:56	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	09/14/2017 16:56	WG1020390

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

Analyte	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	09/14/2017 16:56	WG1020390
Naphthalene	U		0.00119	0.00594	1	09/14/2017 16:56	WG1020390
n-Propylbenzene	U		0.000245	0.00119	1	09/14/2017 16:56	WG1020390
Styrene	U		0.000278	0.00119	1	09/14/2017 16:56	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000314	0.00119	1	09/14/2017 16:56	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000434	0.00119	1	09/14/2017 16:56	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000434	0.00119	1	09/14/2017 16:56	WG1020390
Tetrachloroethene	U		0.000328	0.00119	1	09/14/2017 16:56	WG1020390
Toluene	U		0.000516	0.00594	1	09/14/2017 16:56	WG1020390
1,2,3-Trichlorobenzene	U		0.000364	0.00119	1	09/14/2017 16:56	WG1020390
1,2,4-Trichlorobenzene	U		0.000461	0.00119	1	09/14/2017 16:56	WG1020390
1,1,1-Trichloroethane	U		0.000340	0.00119	1	09/14/2017 16:56	WG1020390
1,1,2-Trichloroethane	U		0.000329	0.00119	1	09/14/2017 16:56	WG1020390
Trichloroethene	U		0.000332	0.00119	1	09/14/2017 16:56	WG1020390
Trichlorofluoromethane	U		0.000454	0.00594	1	09/14/2017 16:56	WG1020390
1,2,3-Trichloropropane	U		0.000881	0.00297	1	09/14/2017 16:56	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000251	0.00119	1	09/14/2017 16:56	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000341	0.00119	1	09/14/2017 16:56	WG1020390
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	09/14/2017 16:56	WG1020390
Vinyl acetate	U		0.00284	0.0119	1	09/14/2017 16:56	WG1020390
Vinyl chloride	U		0.000346	0.00119	1	09/14/2017 16:56	WG1020390
Xylenes, Total	U		0.000830	0.00357	1	09/14/2017 16:56	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/14/2017 16:56*	WG1020390
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*09/14/2017 16:56*	WG1020390
(S) 4-Bromofluorobenzene	*84.8*			*64.0-132*		*09/14/2017 16:56*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	09/14/2017 17:17	WG1020390
Acrylonitrile	U		0.00194	0.0108	1	09/14/2017 17:17	WG1020390
Benzene	U		0.000293	0.00108	1	09/14/2017 17:17	WG1020390
Bromobenzene	U	J0	0.000308	0.00108	1	09/14/2017 17:17	WG1020390
Bromodichloromethane	U		0.000275	0.00108	1	09/14/2017 17:17	WG1020390
Bromochloromethane	U		0.000423	0.00542	1	09/14/2017 17:17	WG1020390
Bromoform	U		0.000460	0.00108	1	09/14/2017 17:17	WG1020390
Bromomethane	U		0.00145	0.00542	1	09/14/2017 17:17	WG1020390
n-Butylbenzene	U		0.000280	0.00108	1	09/14/2017 17:17	WG1020390
sec-Butylbenzene	U		0.000218	0.00108	1	09/14/2017 17:17	WG1020390
tert-Butylbenzene	U		0.000223	0.00108	1	09/14/2017 17:17	WG1020390
Carbon disulfide	U		0.000240	0.00108	1	09/14/2017 17:17	WG1020390
Carbon tetrachloride	U		0.000356	0.00108	1	09/14/2017 17:17	WG1020390
Chlorobenzene	U		0.000230	0.00108	1	09/14/2017 17:17	WG1020390
Chlorodibromomethane	U		0.000405	0.00108	1	09/14/2017 17:17	WG1020390
Chloroethane	U	J0	0.00103	0.00542	1	09/14/2017 17:17	WG1020390
Chloroform	U		0.000248	0.00542	1	09/14/2017 17:17	WG1020390
Chloromethane	U	J0	0.000407	0.00271	1	09/14/2017 17:17	WG1020390
2-Chlorotoluene	U		0.000326	0.00108	1	09/14/2017 17:17	WG1020390
4-Chlorotoluene	U		0.000260	0.00108	1	09/14/2017 17:17	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	09/14/2017 17:17	WG1020390
1,2-Dibromoethane	U		0.000372	0.00108	1	09/14/2017 17:17	WG1020390
Dibromomethane	U		0.000414	0.00108	1	09/14/2017 17:17	WG1020390
1,2-Dichlorobenzene	U		0.000331	0.00108	1	09/14/2017 17:17	WG1020390
1,3-Dichlorobenzene	U		0.000259	0.00108	1	09/14/2017 17:17	WG1020390
1,4-Dichlorobenzene	U		0.000245	0.00108	1	09/14/2017 17:17	WG1020390
Dichlorodifluoromethane	U		0.000773	0.00542	1	09/14/2017 17:17	WG1020390
1,1-Dichloroethane	U		0.000216	0.00108	1	09/14/2017 17:17	WG1020390
1,2-Dichloroethane	U		0.000287	0.00108	1	09/14/2017 17:17	WG1020390
1,1-Dichloroethene	U		0.000329	0.00108	1	09/14/2017 17:17	WG1020390
cis-1,2-Dichloroethene	U		0.000255	0.00108	1	09/14/2017 17:17	WG1020390
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	09/14/2017 17:17	WG1020390
1,2-Dichloropropane	U		0.000388	0.00108	1	09/14/2017 17:17	WG1020390
1,1-Dichloropropene	U		0.000344	0.00108	1	09/14/2017 17:17	WG1020390
1,3-Dichloropropane	U		0.000224	0.00108	1	09/14/2017 17:17	WG1020390
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	09/14/2017 17:17	WG1020390
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	09/14/2017 17:17	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000844	0.00271	1	09/14/2017 17:17	WG1020390
2,2-Dichloropropane	U		0.000303	0.00108	1	09/14/2017 17:17	WG1020390
Di-isopropyl ether	U		0.000269	0.00108	1	09/14/2017 17:17	WG1020390
Ethylbenzene	U		0.000322	0.00108	1	09/14/2017 17:17	WG1020390
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	09/14/2017 17:17	WG1020390
2-Hexanone	U		0.00149	0.0108	1	09/14/2017 17:17	WG1020390
n-Hexane	0.000333	J J0	0.000314	0.0108	1	09/14/2017 17:17	WG1020390
Iodomethane	U		0.00274	0.0108	1	09/14/2017 17:17	WG1020390
Isopropylbenzene	U		0.000264	0.00108	1	09/14/2017 17:17	WG1020390
p-Isopropyltoluene	U		0.000221	0.00108	1	09/14/2017 17:17	WG1020390
2-Butanone (MEK)	U	J0	0.00508	0.0108	1	09/14/2017 17:17	WG1020390
Methylene Chloride	U		0.00108	0.00542	1	09/14/2017 17:17	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	09/14/2017 17:17	WG1020390

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

Analyte	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	09/14/2017 17:17	WG1020390
Naphthalene	U		0.00108	0.00542	1	09/14/2017 17:17	WG1020390
n-Propylbenzene	U		0.000223	0.00108	1	09/14/2017 17:17	WG1020390
Styrene	U		0.000254	0.00108	1	09/14/2017 17:17	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/14/2017 17:17	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	09/14/2017 17:17	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	09/14/2017 17:17	WG1020390
Tetrachloroethene	U		0.000299	0.00108	1	09/14/2017 17:17	WG1020390
Toluene	U		0.000471	0.00542	1	09/14/2017 17:17	WG1020390
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	09/14/2017 17:17	WG1020390
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	09/14/2017 17:17	WG1020390
1,1,1-Trichloroethane	U		0.000310	0.00108	1	09/14/2017 17:17	WG1020390
1,1,2-Trichloroethane	U		0.000300	0.00108	1	09/14/2017 17:17	WG1020390
Trichloroethene	U		0.000303	0.00108	1	09/14/2017 17:17	WG1020390
Trichlorofluoromethane	U		0.000414	0.00542	1	09/14/2017 17:17	WG1020390
1,2,3-Trichloropropane	U		0.000804	0.00271	1	09/14/2017 17:17	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000229	0.00108	1	09/14/2017 17:17	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000311	0.00108	1	09/14/2017 17:17	WG1020390
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/14/2017 17:17	WG1020390
Vinyl acetate	U		0.00259	0.0108	1	09/14/2017 17:17	WG1020390
Vinyl chloride	U		0.000316	0.00108	1	09/14/2017 17:17	WG1020390
Xylenes, Total	U		0.000757	0.00325	1	09/14/2017 17:17	WG1020390
(S) Toluene-d8	*98.8*			*80.0-120*		*09/14/2017 17:17*	WG1020390
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*09/14/2017 17:17*	WG1020390
(S) 4-Bromofluorobenzene	*84.6*			*64.0-132*		*09/14/2017 17:17*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	09/16/2017 10:30	WG1021103

Volatile Organic Compounds (GC/MS) 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	09/14/2017 17:38	WG1020390
Acrylonitrile	U		0.00206	0.0115	1	09/14/2017 17:38	WG1020390
Benzene	U		0.000311	0.00115	1	09/14/2017 17:38	WG1020390
Bromobenzene	U	J0	0.000327	0.00115	1	09/14/2017 17:38	WG1020390
Bromodichloromethane	U		0.000292	0.00115	1	09/14/2017 17:38	WG1020390
Bromochloromethane	U		0.000449	0.00576	1	09/14/2017 17:38	WG1020390
Bromoform	U		0.000488	0.00115	1	09/14/2017 17:38	WG1020390
Bromomethane	U		0.00154	0.00576	1	09/14/2017 17:38	WG1020390
n-Butylbenzene	U		0.000297	0.00115	1	09/14/2017 17:38	WG1020390
sec-Butylbenzene	U		0.000231	0.00115	1	09/14/2017 17:38	WG1020390
tert-Butylbenzene	U		0.000237	0.00115	1	09/14/2017 17:38	WG1020390
Carbon disulfide	U		0.000254	0.00115	1	09/14/2017 17:38	WG1020390
Carbon tetrachloride	U		0.000378	0.00115	1	09/14/2017 17:38	WG1020390
Chlorobenzene	U		0.000244	0.00115	1	09/14/2017 17:38	WG1020390
Chlorodibromomethane	U		0.000429	0.00115	1	09/14/2017 17:38	WG1020390
Chloroethane	U	J0	0.00109	0.00576	1	09/14/2017 17:38	WG1020390
Chloroform	U		0.000264	0.00576	1	09/14/2017 17:38	WG1020390
Chloromethane	U	J0	0.000432	0.00288	1	09/14/2017 17:38	WG1020390
2-Chlorotoluene	U		0.000347	0.00115	1	09/14/2017 17:38	WG1020390
4-Chlorotoluene	U		0.000276	0.00115	1	09/14/2017 17:38	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	09/14/2017 17:38	WG1020390
1,2-Dibromoethane	U		0.000395	0.00115	1	09/14/2017 17:38	WG1020390
Dibromomethane	U		0.000440	0.00115	1	09/14/2017 17:38	WG1020390
1,2-Dichlorobenzene	U		0.000351	0.00115	1	09/14/2017 17:38	WG1020390
1,3-Dichlorobenzene	U		0.000275	0.00115	1	09/14/2017 17:38	WG1020390
1,4-Dichlorobenzene	U		0.000260	0.00115	1	09/14/2017 17:38	WG1020390
Dichlorodifluoromethane	U		0.000821	0.00576	1	09/14/2017 17:38	WG1020390
1,1-Dichloroethane	U		0.000229	0.00115	1	09/14/2017 17:38	WG1020390
1,2-Dichloroethane	U		0.000305	0.00115	1	09/14/2017 17:38	WG1020390
1,1-Dichloroethene	U		0.000349	0.00115	1	09/14/2017 17:38	WG1020390
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	09/14/2017 17:38	WG1020390
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	09/14/2017 17:38	WG1020390
1,2-Dichloropropane	U		0.000412	0.00115	1	09/14/2017 17:38	WG1020390
1,1-Dichloropropene	U		0.000365	0.00115	1	09/14/2017 17:38	WG1020390
1,3-Dichloropropane	U		0.000238	0.00115	1	09/14/2017 17:38	WG1020390
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	09/14/2017 17:38	WG1020390
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	09/14/2017 17:38	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000896	0.00288	1	09/14/2017 17:38	WG1020390
2,2-Dichloropropane	U		0.000321	0.00115	1	09/14/2017 17:38	WG1020390
Di-isopropyl ether	U		0.000285	0.00115	1	09/14/2017 17:38	WG1020390
Ethylbenzene	U		0.000342	0.00115	1	09/14/2017 17:38	WG1020390
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	09/14/2017 17:38	WG1020390
2-Hexanone	U		0.00158	0.0115	1	09/14/2017 17:38	WG1020390
n-Hexane	U	J0	0.000334	0.0115	1	09/14/2017 17:38	WG1020390
Iodomethane	U		0.00291	0.0115	1	09/14/2017 17:38	WG1020390
Isopropylbenzene	U		0.000280	0.00115	1	09/14/2017 17:38	WG1020390
p-Isopropyltoluene	U		0.000235	0.00115	1	09/14/2017 17:38	WG1020390
2-Butanone (MEK)	U	J0	0.00539	0.0115	1	09/14/2017 17:38	WG1020390
Methylene Chloride	U		0.00115	0.00576	1	09/14/2017 17:38	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/14/2017 17:38	WG1020390

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

Analyte	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	09/14/2017 17:38	WG1020390
Naphthalene	U		0.00115	0.00576	1	09/14/2017 17:38	WG1020390
n-Propylbenzene	U		0.000237	0.00115	1	09/14/2017 17:38	WG1020390
Styrene	U		0.000269	0.00115	1	09/14/2017 17:38	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	09/14/2017 17:38	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	09/14/2017 17:38	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	09/14/2017 17:38	WG1020390
Tetrachloroethene	U		0.000318	0.00115	1	09/14/2017 17:38	WG1020390
Toluene	U		0.000500	0.00576	1	09/14/2017 17:38	WG1020390
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	09/14/2017 17:38	WG1020390
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	09/14/2017 17:38	WG1020390
1,1,1-Trichloroethane	U		0.000329	0.00115	1	09/14/2017 17:38	WG1020390
1,1,2-Trichloroethane	U		0.000319	0.00115	1	09/14/2017 17:38	WG1020390
Trichloroethene	U		0.000321	0.00115	1	09/14/2017 17:38	WG1020390
Trichlorofluoromethane	U		0.000440	0.00576	1	09/14/2017 17:38	WG1020390
1,2,3-Trichloropropane	U		0.000853	0.00288	1	09/14/2017 17:38	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000243	0.00115	1	09/14/2017 17:38	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000330	0.00115	1	09/14/2017 17:38	WG1020390
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	09/14/2017 17:38	WG1020390
Vinyl acetate	U		0.00275	0.0115	1	09/14/2017 17:38	WG1020390
Vinyl chloride	U		0.000335	0.00115	1	09/14/2017 17:38	WG1020390
Xylenes, Total	U		0.000804	0.00345	1	09/14/2017 17:38	WG1020390
(S) Toluene-d8	*102*			*80.0-120*		*09/14/2017 17:38*	WG1020390
(S) Dibromofluoromethane	*90.4*			*74.0-131*		*09/14/2017 17:38*	WG1020390
(S) 4-Bromofluorobenzene	*88.5*			*64.0-132*		*09/14/2017 17:38*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0535	1	09/14/2017 17:58	WG1020390
Acrylonitrile	U		0.00192	0.0107	1	09/14/2017 17:58	WG1020390
Benzene	U		0.000289	0.00107	1	09/14/2017 17:58	WG1020390
Bromobenzene	U	J0	0.000304	0.00107	1	09/14/2017 17:58	WG1020390
Bromodichloromethane	U		0.000272	0.00107	1	09/14/2017 17:58	WG1020390
Bromochloromethane	U		0.000417	0.00535	1	09/14/2017 17:58	WG1020390
Bromoform	U		0.000454	0.00107	1	09/14/2017 17:58	WG1020390
Bromomethane	U		0.00143	0.00535	1	09/14/2017 17:58	WG1020390
n-Butylbenzene	U		0.000276	0.00107	1	09/14/2017 17:58	WG1020390
sec-Butylbenzene	U		0.000215	0.00107	1	09/14/2017 17:58	WG1020390
tert-Butylbenzene	U		0.000220	0.00107	1	09/14/2017 17:58	WG1020390
Carbon disulfide	U		0.000237	0.00107	1	09/14/2017 17:58	WG1020390
Carbon tetrachloride	U		0.000351	0.00107	1	09/14/2017 17:58	WG1020390
Chlorobenzene	U		0.000227	0.00107	1	09/14/2017 17:58	WG1020390
Chlorodibromomethane	U		0.000399	0.00107	1	09/14/2017 17:58	WG1020390
Chloroethane	U	J0	0.00101	0.00535	1	09/14/2017 17:58	WG1020390
Chloroform	U		0.000245	0.00535	1	09/14/2017 17:58	WG1020390
Chloromethane	U	J0	0.000401	0.00268	1	09/14/2017 17:58	WG1020390
2-Chlorotoluene	U		0.000322	0.00107	1	09/14/2017 17:58	WG1020390
4-Chlorotoluene	U		0.000257	0.00107	1	09/14/2017 17:58	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/14/2017 17:58	WG1020390
1,2-Dibromoethane	U		0.000367	0.00107	1	09/14/2017 17:58	WG1020390
Dibromomethane	U		0.000409	0.00107	1	09/14/2017 17:58	WG1020390
1,2-Dichlorobenzene	U		0.000326	0.00107	1	09/14/2017 17:58	WG1020390
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/14/2017 17:58	WG1020390
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/14/2017 17:58	WG1020390
Dichlorodifluoromethane	U		0.000763	0.00535	1	09/14/2017 17:58	WG1020390
1,1-Dichloroethane	U		0.000213	0.00107	1	09/14/2017 17:58	WG1020390
1,2-Dichloroethane	U		0.000284	0.00107	1	09/14/2017 17:58	WG1020390
1,1-Dichloroethene	U		0.000324	0.00107	1	09/14/2017 17:58	WG1020390
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	09/14/2017 17:58	WG1020390
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/14/2017 17:58	WG1020390
1,2-Dichloropropane	U		0.000383	0.00107	1	09/14/2017 17:58	WG1020390
1,1-Dichloropropene	U		0.000339	0.00107	1	09/14/2017 17:58	WG1020390
1,3-Dichloropropane	U		0.000222	0.00107	1	09/14/2017 17:58	WG1020390
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/14/2017 17:58	WG1020390
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/14/2017 17:58	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000833	0.00268	1	09/14/2017 17:58	WG1020390
2,2-Dichloropropane	U		0.000299	0.00107	1	09/14/2017 17:58	WG1020390
Di-isopropyl ether	U		0.000265	0.00107	1	09/14/2017 17:58	WG1020390
Ethylbenzene	U		0.000318	0.00107	1	09/14/2017 17:58	WG1020390
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	09/14/2017 17:58	WG1020390
2-Hexanone	U		0.00147	0.0107	1	09/14/2017 17:58	WG1020390
n-Hexane	U	J0	0.000310	0.0107	1	09/14/2017 17:58	WG1020390
Iodomethane	U		0.00271	0.0107	1	09/14/2017 17:58	WG1020390
Isopropylbenzene	U		0.000260	0.00107	1	09/14/2017 17:58	WG1020390
p-Isopropyltoluene	U		0.000218	0.00107	1	09/14/2017 17:58	WG1020390
2-Butanone (MEK)	U	J0	0.00501	0.0107	1	09/14/2017 17:58	WG1020390
Methylene Chloride	U		0.00107	0.00535	1	09/14/2017 17:58	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/14/2017 17:58	WG1020390

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/14/2017 17:58	WG1020390
Naphthalene	U		0.00107	0.00535	1	09/14/2017 17:58	WG1020390
n-Propylbenzene	U		0.000220	0.00107	1	09/14/2017 17:58	WG1020390
Styrene	U		0.000250	0.00107	1	09/14/2017 17:58	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/14/2017 17:58	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/14/2017 17:58	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/14/2017 17:58	WG1020390
Tetrachloroethene	0.00480		0.000295	0.00107	1	09/14/2017 17:58	WG1020390
Toluene	U		0.000464	0.00535	1	09/14/2017 17:58	WG1020390
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/14/2017 17:58	WG1020390
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	09/14/2017 17:58	WG1020390
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/14/2017 17:58	WG1020390
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/14/2017 17:58	WG1020390
Trichloroethene	U		0.000299	0.00107	1	09/14/2017 17:58	WG1020390
Trichlorofluoromethane	U		0.000409	0.00535	1	09/14/2017 17:58	WG1020390
1,2,3-Trichloropropane	U		0.000793	0.00268	1	09/14/2017 17:58	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000226	0.00107	1	09/14/2017 17:58	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000307	0.00107	1	09/14/2017 17:58	WG1020390
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/14/2017 17:58	WG1020390
Vinyl acetate	U		0.00256	0.0107	1	09/14/2017 17:58	WG1020390
Vinyl chloride	U		0.000311	0.00107	1	09/14/2017 17:58	WG1020390
Xylenes, Total	U		0.000747	0.00321	1	09/14/2017 17:58	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/14/2017 17:58*	WG1020390
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/14/2017 17:58*	WG1020390
(S) 4-Bromofluorobenzene	*84.6*			*64.0-132*		*09/14/2017 17:58*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0589	1	09/18/2017 16:20	WG1020390
Acrylonitrile	U		0.00211	0.0118	1	09/18/2017 16:20	WG1020390
Benzene	U		0.000318	0.00118	1	09/18/2017 16:20	WG1020390
Bromobenzene	U		0.000335	0.00118	1	09/18/2017 16:20	WG1020390
Bromodichloromethane	U		0.000299	0.00118	1	09/18/2017 16:20	WG1020390
Bromochloromethane	U		0.000460	0.00589	1	09/18/2017 16:20	WG1020390
Bromoform	U		0.000500	0.00118	1	09/18/2017 16:20	WG1020390
Bromomethane	U		0.00158	0.00589	1	09/18/2017 16:20	WG1020390
n-Butylbenzene	U		0.000304	0.00118	1	09/18/2017 16:20	WG1020390
sec-Butylbenzene	U		0.000237	0.00118	1	09/18/2017 16:20	WG1020390
tert-Butylbenzene	U		0.000243	0.00118	1	09/18/2017 16:20	WG1020390
Carbon disulfide	U		0.000261	0.00118	1	09/18/2017 16:20	WG1020390
Carbon tetrachloride	U		0.000387	0.00118	1	09/18/2017 16:20	WG1020390
Chlorobenzene	U		0.000250	0.00118	1	09/18/2017 16:20	WG1020390
Chlorodibromomethane	U		0.000440	0.00118	1	09/18/2017 16:20	WG1020390
Chloroethane	U		0.00112	0.00589	1	09/18/2017 16:20	WG1020390
Chloroform	U		0.000270	0.00589	1	09/18/2017 16:20	WG1020390
Chloromethane	U	J0	0.000442	0.00295	1	09/18/2017 16:20	WG1020390
2-Chlorotoluene	U		0.000355	0.00118	1	09/18/2017 16:20	WG1020390
4-Chlorotoluene	U		0.000283	0.00118	1	09/18/2017 16:20	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00589	1	09/18/2017 16:20	WG1020390
1,2-Dibromoethane	U		0.000404	0.00118	1	09/18/2017 16:20	WG1020390
Dibromomethane	U		0.000450	0.00118	1	09/18/2017 16:20	WG1020390
1,2-Dichlorobenzene	U		0.000360	0.00118	1	09/18/2017 16:20	WG1020390
1,3-Dichlorobenzene	U		0.000282	0.00118	1	09/18/2017 16:20	WG1020390
1,4-Dichlorobenzene	U		0.000266	0.00118	1	09/18/2017 16:20	WG1020390
Dichlorodifluoromethane	U		0.000841	0.00589	1	09/18/2017 16:20	WG1020390
1,1-Dichloroethane	U		0.000235	0.00118	1	09/18/2017 16:20	WG1020390
1,2-Dichloroethane	U		0.000312	0.00118	1	09/18/2017 16:20	WG1020390
1,1-Dichloroethene	U		0.000357	0.00118	1	09/18/2017 16:20	WG1020390
cis-1,2-Dichloroethene	0.0620		0.000277	0.00118	1	09/18/2017 16:20	WG1020390
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	09/18/2017 16:20	WG1020390
1,2-Dichloropropane	U		0.000422	0.00118	1	09/18/2017 16:20	WG1020390
1,1-Dichloropropene	U		0.000374	0.00118	1	09/18/2017 16:20	WG1020390
1,3-Dichloropropane	U		0.000244	0.00118	1	09/18/2017 16:20	WG1020390
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	09/18/2017 16:20	WG1020390
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	09/18/2017 16:20	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000917	0.00295	1	09/18/2017 16:20	WG1020390
2,2-Dichloropropane	U		0.000329	0.00118	1	09/18/2017 16:20	WG1020390
Di-isopropyl ether	U	J0	0.000292	0.00118	1	09/18/2017 16:20	WG1020390
Ethylbenzene	U		0.000350	0.00118	1	09/18/2017 16:20	WG1020390
Hexachloro-1,3-butadiene	U		0.000403	0.00118	1	09/18/2017 16:20	WG1020390
2-Hexanone	U		0.00162	0.0118	1	09/18/2017 16:20	WG1020390
n-Hexane	0.000447	J	0.000342	0.0118	1	09/18/2017 16:20	WG1020390
Iodomethane	U		0.00298	0.0118	1	09/18/2017 16:20	WG1020390
Isopropylbenzene	U		0.000286	0.00118	1	09/18/2017 16:20	WG1020390
p-Isopropyltoluene	U		0.000241	0.00118	1	09/18/2017 16:20	WG1020390
2-Butanone (MEK)	U		0.00552	0.0118	1	09/18/2017 16:20	WG1020390
Methylene Chloride	U		0.00118	0.00589	1	09/18/2017 16:20	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	09/18/2017 16:20	WG1020390

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

Analyte	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	09/18/2017 16:20	WG1020390
Naphthalene	U		0.00118	0.00589	1	09/18/2017 16:20	WG1020390
n-Propylbenzene	U		0.000243	0.00118	1	09/18/2017 16:20	WG1020390
Styrene	U		0.000276	0.00118	1	09/18/2017 16:20	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	09/18/2017 16:20	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000430	0.00118	1	09/18/2017 16:20	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000430	0.00118	1	09/18/2017 16:20	WG1020390
Tetrachloroethene	0.0277		0.000325	0.00118	1	09/18/2017 16:20	WG1020390
Toluene	U		0.000512	0.00589	1	09/18/2017 16:20	WG1020390
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	09/18/2017 16:20	WG1020390
1,2,4-Trichlorobenzene	U		0.000457	0.00118	1	09/18/2017 16:20	WG1020390
1,1,1-Trichloroethane	U		0.000337	0.00118	1	09/18/2017 16:20	WG1020390
1,1,2-Trichloroethane	U		0.000327	0.00118	1	09/18/2017 16:20	WG1020390
Trichloroethene	0.00195		0.000329	0.00118	1	09/18/2017 16:20	WG1020390
Trichlorofluoromethane	U		0.000450	0.00589	1	09/18/2017 16:20	WG1020390
1,2,3-Trichloropropane	U		0.000874	0.00295	1	09/18/2017 16:20	WG1020390
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	09/18/2017 16:20	WG1020390
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	09/18/2017 16:20	WG1020390
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	09/18/2017 16:20	WG1020390
Vinyl acetate	U		0.00282	0.0118	1	09/18/2017 16:20	WG1020390
Vinyl chloride	U		0.000343	0.00118	1	09/18/2017 16:20	WG1020390
Xylenes, Total	U		0.000823	0.00354	1	09/18/2017 16:20	WG1020390
(S) Toluene-d8	*107*			*80.0-120*		*09/18/2017 16:20*	WG1020390
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/18/2017 16:20*	WG1020390
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/18/2017 16:20*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0534	1	09/14/2017 18:40	WG1020390
Acrylonitrile	U		0.00191	0.0107	1	09/14/2017 18:40	WG1020390
Benzene	U		0.000288	0.00107	1	09/14/2017 18:40	WG1020390
Bromobenzene	U	J0	0.000303	0.00107	1	09/14/2017 18:40	WG1020390
Bromodichloromethane	U		0.000271	0.00107	1	09/14/2017 18:40	WG1020390
Bromochloromethane	U		0.000417	0.00534	1	09/14/2017 18:40	WG1020390
Bromoform	U		0.000453	0.00107	1	09/14/2017 18:40	WG1020390
Bromomethane	U		0.00143	0.00534	1	09/14/2017 18:40	WG1020390
n-Butylbenzene	U		0.000276	0.00107	1	09/14/2017 18:40	WG1020390
sec-Butylbenzene	U		0.000215	0.00107	1	09/14/2017 18:40	WG1020390
tert-Butylbenzene	U		0.000220	0.00107	1	09/14/2017 18:40	WG1020390
Carbon disulfide	0.000435	J	0.000236	0.00107	1	09/14/2017 18:40	WG1020390
Carbon tetrachloride	U		0.000350	0.00107	1	09/14/2017 18:40	WG1020390
Chlorobenzene	U		0.000227	0.00107	1	09/14/2017 18:40	WG1020390
Chlorodibromomethane	U		0.000399	0.00107	1	09/14/2017 18:40	WG1020390
Chloroethane	U	J0	0.00101	0.00534	1	09/14/2017 18:40	WG1020390
Chloroform	U		0.000245	0.00534	1	09/14/2017 18:40	WG1020390
Chloromethane	U	J0	0.000401	0.00267	1	09/14/2017 18:40	WG1020390
2-Chlorotoluene	U		0.000322	0.00107	1	09/14/2017 18:40	WG1020390
4-Chlorotoluene	U		0.000256	0.00107	1	09/14/2017 18:40	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00534	1	09/14/2017 18:40	WG1020390
1,2-Dibromoethane	U		0.000366	0.00107	1	09/14/2017 18:40	WG1020390
Dibromomethane	U		0.000408	0.00107	1	09/14/2017 18:40	WG1020390
1,2-Dichlorobenzene	U		0.000326	0.00107	1	09/14/2017 18:40	WG1020390
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/14/2017 18:40	WG1020390
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/14/2017 18:40	WG1020390
Dichlorodifluoromethane	U		0.000762	0.00534	1	09/14/2017 18:40	WG1020390
1,1-Dichloroethane	U		0.000213	0.00107	1	09/14/2017 18:40	WG1020390
1,2-Dichloroethane	U		0.000283	0.00107	1	09/14/2017 18:40	WG1020390
1,1-Dichloroethene	U		0.000324	0.00107	1	09/14/2017 18:40	WG1020390
cis-1,2-Dichloroethene	U		0.000251	0.00107	1	09/14/2017 18:40	WG1020390
trans-1,2-Dichloroethene	U		0.000282	0.00107	1	09/14/2017 18:40	WG1020390
1,2-Dichloropropane	U		0.000383	0.00107	1	09/14/2017 18:40	WG1020390
1,1-Dichloropropene	U		0.000339	0.00107	1	09/14/2017 18:40	WG1020390
1,3-Dichloropropane	U		0.000221	0.00107	1	09/14/2017 18:40	WG1020390
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/14/2017 18:40	WG1020390
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/14/2017 18:40	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000831	0.00267	1	09/14/2017 18:40	WG1020390
2,2-Dichloropropane	U		0.000298	0.00107	1	09/14/2017 18:40	WG1020390
Di-isopropyl ether	U		0.000265	0.00107	1	09/14/2017 18:40	WG1020390
Ethylbenzene	U		0.000317	0.00107	1	09/14/2017 18:40	WG1020390
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/14/2017 18:40	WG1020390
2-Hexanone	U		0.00146	0.0107	1	09/14/2017 18:40	WG1020390
n-Hexane	U	J0	0.000310	0.0107	1	09/14/2017 18:40	WG1020390
Iodomethane	U		0.00270	0.0107	1	09/14/2017 18:40	WG1020390
Isopropylbenzene	U		0.000260	0.00107	1	09/14/2017 18:40	WG1020390
p-Isopropyltoluene	U		0.000218	0.00107	1	09/14/2017 18:40	WG1020390
2-Butanone (MEK)	U	J0	0.00500	0.0107	1	09/14/2017 18:40	WG1020390
Methylene Chloride	U		0.00107	0.00534	1	09/14/2017 18:40	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/14/2017 18:40	WG1020390

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/14/2017 18:40	WG1020390
Naphthalene	U		0.00107	0.00534	1	09/14/2017 18:40	WG1020390
n-Propylbenzene	U		0.000220	0.00107	1	09/14/2017 18:40	WG1020390
Styrene	U		0.000250	0.00107	1	09/14/2017 18:40	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	09/14/2017 18:40	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000390	0.00107	1	09/14/2017 18:40	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000390	0.00107	1	09/14/2017 18:40	WG1020390
Tetrachloroethene	U		0.000295	0.00107	1	09/14/2017 18:40	WG1020390
Toluene	U		0.000464	0.00534	1	09/14/2017 18:40	WG1020390
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/14/2017 18:40	WG1020390
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	09/14/2017 18:40	WG1020390
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/14/2017 18:40	WG1020390
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/14/2017 18:40	WG1020390
Trichloroethene	U		0.000298	0.00107	1	09/14/2017 18:40	WG1020390
Trichlorofluoromethane	U		0.000408	0.00534	1	09/14/2017 18:40	WG1020390
1,2,3-Trichloropropane	U		0.000792	0.00267	1	09/14/2017 18:40	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000225	0.00107	1	09/14/2017 18:40	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000307	0.00107	1	09/14/2017 18:40	WG1020390
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/14/2017 18:40	WG1020390
Vinyl acetate	U		0.00255	0.0107	1	09/14/2017 18:40	WG1020390
Vinyl chloride	U		0.000311	0.00107	1	09/14/2017 18:40	WG1020390
Xylenes, Total	U		0.000746	0.00321	1	09/14/2017 18:40	WG1020390
(S) Toluene-d8	*98.8*			*80.0-120*		*09/14/2017 18:40*	WG1020390
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*09/14/2017 18:40*	WG1020390
(S) 4-Bromofluorobenzene	*86.5*			*64.0-132*		*09/14/2017 18:40*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0532	1	09/14/2017 19:00	WG1020390
Acrylonitrile	U		0.00190	0.0106	1	09/14/2017 19:00	WG1020390
Benzene	U		0.000287	0.00106	1	09/14/2017 19:00	WG1020390
Bromobenzene	U	J0	0.000302	0.00106	1	09/14/2017 19:00	WG1020390
Bromodichloromethane	U		0.000270	0.00106	1	09/14/2017 19:00	WG1020390
Bromochloromethane	U		0.000415	0.00532	1	09/14/2017 19:00	WG1020390
Bromoform	U		0.000451	0.00106	1	09/14/2017 19:00	WG1020390
Bromomethane	U		0.00143	0.00532	1	09/14/2017 19:00	WG1020390
n-Butylbenzene	U		0.000275	0.00106	1	09/14/2017 19:00	WG1020390
sec-Butylbenzene	U		0.000214	0.00106	1	09/14/2017 19:00	WG1020390
tert-Butylbenzene	U		0.000219	0.00106	1	09/14/2017 19:00	WG1020390
Carbon disulfide	0.000807	J	0.000235	0.00106	1	09/14/2017 19:00	WG1020390
Carbon tetrachloride	U		0.000349	0.00106	1	09/14/2017 19:00	WG1020390
Chlorobenzene	U		0.000226	0.00106	1	09/14/2017 19:00	WG1020390
Chlorodibromomethane	U		0.000397	0.00106	1	09/14/2017 19:00	WG1020390
Chloroethane	U	J0	0.00101	0.00532	1	09/14/2017 19:00	WG1020390
Chloroform	U		0.000244	0.00532	1	09/14/2017 19:00	WG1020390
Chloromethane	U	J0	0.000399	0.00266	1	09/14/2017 19:00	WG1020390
2-Chlorotoluene	U		0.000320	0.00106	1	09/14/2017 19:00	WG1020390
4-Chlorotoluene	U		0.000255	0.00106	1	09/14/2017 19:00	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00532	1	09/14/2017 19:00	WG1020390
1,2-Dibromoethane	U		0.000365	0.00106	1	09/14/2017 19:00	WG1020390
Dibromomethane	U		0.000406	0.00106	1	09/14/2017 19:00	WG1020390
1,2-Dichlorobenzene	U		0.000325	0.00106	1	09/14/2017 19:00	WG1020390
1,3-Dichlorobenzene	U		0.000254	0.00106	1	09/14/2017 19:00	WG1020390
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/14/2017 19:00	WG1020390
Dichlorodifluoromethane	U		0.000759	0.00532	1	09/14/2017 19:00	WG1020390
1,1-Dichloroethane	U		0.000212	0.00106	1	09/14/2017 19:00	WG1020390
1,2-Dichloroethane	U		0.000282	0.00106	1	09/14/2017 19:00	WG1020390
1,1-Dichloroethene	U		0.000322	0.00106	1	09/14/2017 19:00	WG1020390
cis-1,2-Dichloroethene	U		0.000250	0.00106	1	09/14/2017 19:00	WG1020390
trans-1,2-Dichloroethene	U		0.000281	0.00106	1	09/14/2017 19:00	WG1020390
1,2-Dichloropropane	U		0.000381	0.00106	1	09/14/2017 19:00	WG1020390
1,1-Dichloropropene	U		0.000337	0.00106	1	09/14/2017 19:00	WG1020390
1,3-Dichloropropane	U		0.000220	0.00106	1	09/14/2017 19:00	WG1020390
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	09/14/2017 19:00	WG1020390
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	09/14/2017 19:00	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000828	0.00266	1	09/14/2017 19:00	WG1020390
2,2-Dichloropropane	U		0.000297	0.00106	1	09/14/2017 19:00	WG1020390
Di-isopropyl ether	U		0.000264	0.00106	1	09/14/2017 19:00	WG1020390
Ethylbenzene	U		0.000316	0.00106	1	09/14/2017 19:00	WG1020390
Hexachloro-1,3-butadiene	U		0.000364	0.00106	1	09/14/2017 19:00	WG1020390
2-Hexanone	U		0.00146	0.0106	1	09/14/2017 19:00	WG1020390
n-Hexane	0.00329	J J0	0.000309	0.0106	1	09/14/2017 19:00	WG1020390
Iodomethane	U		0.00269	0.0106	1	09/14/2017 19:00	WG1020390
Isopropylbenzene	U		0.000259	0.00106	1	09/14/2017 19:00	WG1020390
p-Isopropyltoluene	U		0.000217	0.00106	1	09/14/2017 19:00	WG1020390
2-Butanone (MEK)	U	J0	0.00498	0.0106	1	09/14/2017 19:00	WG1020390
Methylene Chloride	U		0.00106	0.00532	1	09/14/2017 19:00	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	09/14/2017 19:00	WG1020390

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00106	1	09/14/2017 19:00	WG1020390
Naphthalene	U		0.00106	0.00532	1	09/14/2017 19:00	WG1020390
n-Propylbenzene	U		0.000219	0.00106	1	09/14/2017 19:00	WG1020390
Styrene	U		0.000249	0.00106	1	09/14/2017 19:00	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	09/14/2017 19:00	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	09/14/2017 19:00	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	09/14/2017 19:00	WG1020390
Tetrachloroethene	U		0.000294	0.00106	1	09/14/2017 19:00	WG1020390
Toluene	U		0.000462	0.00532	1	09/14/2017 19:00	WG1020390
1,2,3-Trichlorobenzene	U		0.000326	0.00106	1	09/14/2017 19:00	WG1020390
1,2,4-Trichlorobenzene	U		0.000413	0.00106	1	09/14/2017 19:00	WG1020390
1,1,1-Trichloroethane	U		0.000304	0.00106	1	09/14/2017 19:00	WG1020390
1,1,2-Trichloroethane	U		0.000295	0.00106	1	09/14/2017 19:00	WG1020390
Trichloroethene	U		0.000297	0.00106	1	09/14/2017 19:00	WG1020390
Trichlorofluoromethane	U		0.000406	0.00532	1	09/14/2017 19:00	WG1020390
1,2,3-Trichloropropane	U		0.000788	0.00266	1	09/14/2017 19:00	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000225	0.00106	1	09/14/2017 19:00	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000305	0.00106	1	09/14/2017 19:00	WG1020390
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	09/14/2017 19:00	WG1020390
Vinyl acetate	U		0.00254	0.0106	1	09/14/2017 19:00	WG1020390
Vinyl chloride	U		0.000310	0.00106	1	09/14/2017 19:00	WG1020390
Xylenes, Total	U		0.000743	0.00319	1	09/14/2017 19:00	WG1020390
(S) Toluene-d8	*98.0*			*80.0-120*		*09/14/2017 19:00*	WG1020390
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*09/14/2017 19:00*	WG1020390
(S) 4-Bromofluorobenzene	*85.7*			*64.0-132*		*09/14/2017 19:00*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	0.0554	1	09/14/2017 19:21	WG1020390
Acrylonitrile	U		0.00198	0.0111	1	09/14/2017 19:21	WG1020390
Benzene	U		0.000299	0.00111	1	09/14/2017 19:21	WG1020390
Bromobenzene	U	J0	0.000315	0.00111	1	09/14/2017 19:21	WG1020390
Bromodichloromethane	U		0.000281	0.00111	1	09/14/2017 19:21	WG1020390
Bromochloromethane	U		0.000432	0.00554	1	09/14/2017 19:21	WG1020390
Bromoform	U		0.000470	0.00111	1	09/14/2017 19:21	WG1020390
Bromomethane	U		0.00148	0.00554	1	09/14/2017 19:21	WG1020390
n-Butylbenzene	U		0.000286	0.00111	1	09/14/2017 19:21	WG1020390
sec-Butylbenzene	U		0.000223	0.00111	1	09/14/2017 19:21	WG1020390
tert-Butylbenzene	U		0.000228	0.00111	1	09/14/2017 19:21	WG1020390
Carbon disulfide	0.000688	J	0.000245	0.00111	1	09/14/2017 19:21	WG1020390
Carbon tetrachloride	U		0.000363	0.00111	1	09/14/2017 19:21	WG1020390
Chlorobenzene	U		0.000235	0.00111	1	09/14/2017 19:21	WG1020390
Chlorodibromomethane	U		0.000413	0.00111	1	09/14/2017 19:21	WG1020390
Chloroethane	U	J0	0.00105	0.00554	1	09/14/2017 19:21	WG1020390
Chloroform	U		0.000254	0.00554	1	09/14/2017 19:21	WG1020390
Chloromethane	U	J0	0.000415	0.00277	1	09/14/2017 19:21	WG1020390
2-Chlorotoluene	U		0.000333	0.00111	1	09/14/2017 19:21	WG1020390
4-Chlorotoluene	U		0.000266	0.00111	1	09/14/2017 19:21	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	09/14/2017 19:21	WG1020390
1,2-Dibromoethane	U		0.000380	0.00111	1	09/14/2017 19:21	WG1020390
Dibromomethane	U		0.000423	0.00111	1	09/14/2017 19:21	WG1020390
1,2-Dichlorobenzene	U		0.000338	0.00111	1	09/14/2017 19:21	WG1020390
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/14/2017 19:21	WG1020390
1,4-Dichlorobenzene	U		0.000250	0.00111	1	09/14/2017 19:21	WG1020390
Dichlorodifluoromethane	U		0.000790	0.00554	1	09/14/2017 19:21	WG1020390
1,1-Dichloroethane	U		0.000220	0.00111	1	09/14/2017 19:21	WG1020390
1,2-Dichloroethane	U		0.000293	0.00111	1	09/14/2017 19:21	WG1020390
1,1-Dichloroethene	U		0.000336	0.00111	1	09/14/2017 19:21	WG1020390
cis-1,2-Dichloroethene	U		0.000260	0.00111	1	09/14/2017 19:21	WG1020390
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	09/14/2017 19:21	WG1020390
1,2-Dichloropropane	U		0.000396	0.00111	1	09/14/2017 19:21	WG1020390
1,1-Dichloropropene	U		0.000351	0.00111	1	09/14/2017 19:21	WG1020390
1,3-Dichloropropane	U		0.000229	0.00111	1	09/14/2017 19:21	WG1020390
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	09/14/2017 19:21	WG1020390
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/14/2017 19:21	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000862	0.00277	1	09/14/2017 19:21	WG1020390
2,2-Dichloropropane	U		0.000309	0.00111	1	09/14/2017 19:21	WG1020390
Di-isopropyl ether	U		0.000275	0.00111	1	09/14/2017 19:21	WG1020390
Ethylbenzene	U		0.000329	0.00111	1	09/14/2017 19:21	WG1020390
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	09/14/2017 19:21	WG1020390
2-Hexanone	U		0.00152	0.0111	1	09/14/2017 19:21	WG1020390
n-Hexane	0.000446	J J0	0.000321	0.0111	1	09/14/2017 19:21	WG1020390
Iodomethane	U		0.00280	0.0111	1	09/14/2017 19:21	WG1020390
Isopropylbenzene	U		0.000269	0.00111	1	09/14/2017 19:21	WG1020390
p-Isopropyltoluene	U		0.000226	0.00111	1	09/14/2017 19:21	WG1020390
2-Butanone (MEK)	U	J0	0.00518	0.0111	1	09/14/2017 19:21	WG1020390
Methylene Chloride	U		0.00111	0.00554	1	09/14/2017 19:21	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	09/14/2017 19:21	WG1020390

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

Analyte	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	09/14/2017 19:21	WG1020390
Naphthalene	U		0.00111	0.00554	1	09/14/2017 19:21	WG1020390
n-Propylbenzene	U		0.000228	0.00111	1	09/14/2017 19:21	WG1020390
Styrene	U		0.000259	0.00111	1	09/14/2017 19:21	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	09/14/2017 19:21	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	09/14/2017 19:21	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	09/14/2017 19:21	WG1020390
Tetrachloroethene	U		0.000306	0.00111	1	09/14/2017 19:21	WG1020390
Toluene	U		0.000481	0.00554	1	09/14/2017 19:21	WG1020390
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	09/14/2017 19:21	WG1020390
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	09/14/2017 19:21	WG1020390
1,1,1-Trichloroethane	U		0.000317	0.00111	1	09/14/2017 19:21	WG1020390
1,1,2-Trichloroethane	U		0.000307	0.00111	1	09/14/2017 19:21	WG1020390
Trichloroethene	U		0.000309	0.00111	1	09/14/2017 19:21	WG1020390
Trichlorofluoromethane	U		0.000423	0.00554	1	09/14/2017 19:21	WG1020390
1,2,3-Trichloropropane	U		0.000821	0.00277	1	09/14/2017 19:21	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000234	0.00111	1	09/14/2017 19:21	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000318	0.00111	1	09/14/2017 19:21	WG1020390
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/14/2017 19:21	WG1020390
Vinyl acetate	U		0.00265	0.0111	1	09/14/2017 19:21	WG1020390
Vinyl chloride	U		0.000322	0.00111	1	09/14/2017 19:21	WG1020390
Xylenes, Total	U		0.000773	0.00332	1	09/14/2017 19:21	WG1020390
(S) Toluene-d8	*100*			*80.0-120*		*09/14/2017 19:21*	WG1020390
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*09/14/2017 19:21*	WG1020390
(S) 4-Bromofluorobenzene	*88.1*			*64.0-132*		*09/14/2017 19:21*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.6		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	0.0529	1	09/14/2017 19:41	WG1020390
Acrylonitrile	U		0.00189	0.0106	1	09/14/2017 19:41	WG1020390
Benzene	U		0.000285	0.00106	1	09/14/2017 19:41	WG1020390
Bromobenzene	U	J0	0.000300	0.00106	1	09/14/2017 19:41	WG1020390
Bromodichloromethane	U		0.000268	0.00106	1	09/14/2017 19:41	WG1020390
Bromochloromethane	U		0.000412	0.00529	1	09/14/2017 19:41	WG1020390
Bromoform	U		0.000448	0.00106	1	09/14/2017 19:41	WG1020390
Bromomethane	U		0.00142	0.00529	1	09/14/2017 19:41	WG1020390
n-Butylbenzene	U		0.000273	0.00106	1	09/14/2017 19:41	WG1020390
sec-Butylbenzene	U		0.000212	0.00106	1	09/14/2017 19:41	WG1020390
tert-Butylbenzene	U		0.000218	0.00106	1	09/14/2017 19:41	WG1020390
Carbon disulfide	0.000913	J	0.000234	0.00106	1	09/14/2017 19:41	WG1020390
Carbon tetrachloride	U		0.000347	0.00106	1	09/14/2017 19:41	WG1020390
Chlorobenzene	U		0.000224	0.00106	1	09/14/2017 19:41	WG1020390
Chlorodibromomethane	U		0.000394	0.00106	1	09/14/2017 19:41	WG1020390
Chloroethane	U	J0	0.00100	0.00529	1	09/14/2017 19:41	WG1020390
Chloroform	U		0.000242	0.00529	1	09/14/2017 19:41	WG1020390
Chloromethane	U	J0	0.000396	0.00264	1	09/14/2017 19:41	WG1020390
2-Chlorotoluene	U		0.000318	0.00106	1	09/14/2017 19:41	WG1020390
4-Chlorotoluene	U		0.000254	0.00106	1	09/14/2017 19:41	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00529	1	09/14/2017 19:41	WG1020390
1,2-Dibromoethane	U		0.000363	0.00106	1	09/14/2017 19:41	WG1020390
Dibromomethane	U		0.000404	0.00106	1	09/14/2017 19:41	WG1020390
1,2-Dichlorobenzene	U		0.000322	0.00106	1	09/14/2017 19:41	WG1020390
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/14/2017 19:41	WG1020390
1,4-Dichlorobenzene	U		0.000239	0.00106	1	09/14/2017 19:41	WG1020390
Dichlorodifluoromethane	U		0.000754	0.00529	1	09/14/2017 19:41	WG1020390
1,1-Dichloroethane	U		0.000210	0.00106	1	09/14/2017 19:41	WG1020390
1,2-Dichloroethane	U		0.000280	0.00106	1	09/14/2017 19:41	WG1020390
1,1-Dichloroethene	U		0.000320	0.00106	1	09/14/2017 19:41	WG1020390
cis-1,2-Dichloroethene	U		0.000248	0.00106	1	09/14/2017 19:41	WG1020390
trans-1,2-Dichloroethene	U		0.000279	0.00106	1	09/14/2017 19:41	WG1020390
1,2-Dichloropropane	U		0.000378	0.00106	1	09/14/2017 19:41	WG1020390
1,1-Dichloropropene	U		0.000335	0.00106	1	09/14/2017 19:41	WG1020390
1,3-Dichloropropane	U		0.000219	0.00106	1	09/14/2017 19:41	WG1020390
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	09/14/2017 19:41	WG1020390
trans-1,3-Dichloropropene	U		0.000282	0.00106	1	09/14/2017 19:41	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000822	0.00264	1	09/14/2017 19:41	WG1020390
2,2-Dichloropropane	U		0.000295	0.00106	1	09/14/2017 19:41	WG1020390
Di-isopropyl ether	U		0.000262	0.00106	1	09/14/2017 19:41	WG1020390
Ethylbenzene	U		0.000314	0.00106	1	09/14/2017 19:41	WG1020390
Hexachloro-1,3-butadiene	U		0.000362	0.00106	1	09/14/2017 19:41	WG1020390
2-Hexanone	U		0.00145	0.0106	1	09/14/2017 19:41	WG1020390
n-Hexane	U	J0	0.000307	0.0106	1	09/14/2017 19:41	WG1020390
Iodomethane	U		0.00267	0.0106	1	09/14/2017 19:41	WG1020390
Isopropylbenzene	U		0.000257	0.00106	1	09/14/2017 19:41	WG1020390
p-Isopropyltoluene	U		0.000216	0.00106	1	09/14/2017 19:41	WG1020390
2-Butanone (MEK)	U	J0	0.00495	0.0106	1	09/14/2017 19:41	WG1020390
Methylene Chloride	U		0.00106	0.00529	1	09/14/2017 19:41	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/14/2017 19:41	WG1020390

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000224	0.00106	1	09/14/2017 19:41	WG1020390
Naphthalene	U		0.00106	0.00529	1	09/14/2017 19:41	WG1020390
n-Propylbenzene	U		0.000218	0.00106	1	09/14/2017 19:41	WG1020390
Styrene	U		0.000247	0.00106	1	09/14/2017 19:41	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000279	0.00106	1	09/14/2017 19:41	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000386	0.00106	1	09/14/2017 19:41	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000386	0.00106	1	09/14/2017 19:41	WG1020390
Tetrachloroethene	U		0.000292	0.00106	1	09/14/2017 19:41	WG1020390
Toluene	U		0.000459	0.00529	1	09/14/2017 19:41	WG1020390
1,2,3-Trichlorobenzene	U		0.000323	0.00106	1	09/14/2017 19:41	WG1020390
1,2,4-Trichlorobenzene	U		0.000410	0.00106	1	09/14/2017 19:41	WG1020390
1,1,1-Trichloroethane	U		0.000302	0.00106	1	09/14/2017 19:41	WG1020390
1,1,2-Trichloroethane	U		0.000293	0.00106	1	09/14/2017 19:41	WG1020390
Trichloroethene	U		0.000295	0.00106	1	09/14/2017 19:41	WG1020390
Trichlorofluoromethane	U		0.000404	0.00529	1	09/14/2017 19:41	WG1020390
1,2,3-Trichloropropane	U		0.000783	0.00264	1	09/14/2017 19:41	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000223	0.00106	1	09/14/2017 19:41	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000303	0.00106	1	09/14/2017 19:41	WG1020390
1,3,5-Trimethylbenzene	U		0.000281	0.00106	1	09/14/2017 19:41	WG1020390
Vinyl acetate	U		0.00253	0.0106	1	09/14/2017 19:41	WG1020390
Vinyl chloride	U		0.000308	0.00106	1	09/14/2017 19:41	WG1020390
Xylenes, Total	U		0.000738	0.00317	1	09/14/2017 19:41	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/14/2017 19:41*	WG1020390
(S) Dibromofluoromethane	*95.4*			*74.0-131*		*09/14/2017 19:41*	WG1020390
(S) 4-Bromofluorobenzene	*87.0*			*64.0-132*		*09/14/2017 19:41*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	09/14/2017 20:02	WG1020390
Acrylonitrile	U		0.00201	0.0112	1	09/14/2017 20:02	WG1020390
Benzene	U		0.000304	0.00112	1	09/14/2017 20:02	WG1020390
Bromobenzene	U	J0	0.000319	0.00112	1	09/14/2017 20:02	WG1020390
Bromodichloromethane	U		0.000286	0.00112	1	09/14/2017 20:02	WG1020390
Bromochloromethane	U		0.000439	0.00562	1	09/14/2017 20:02	WG1020390
Bromoform	U		0.000477	0.00112	1	09/14/2017 20:02	WG1020390
Bromomethane	U		0.00151	0.00562	1	09/14/2017 20:02	WG1020390
n-Butylbenzene	U		0.000290	0.00112	1	09/14/2017 20:02	WG1020390
sec-Butylbenzene	U		0.000226	0.00112	1	09/14/2017 20:02	WG1020390
tert-Butylbenzene	U		0.000232	0.00112	1	09/14/2017 20:02	WG1020390
Carbon disulfide	0.00276		0.000249	0.00112	1	09/14/2017 20:02	WG1020390
Carbon tetrachloride	U		0.000369	0.00112	1	09/14/2017 20:02	WG1020390
Chlorobenzene	U		0.000238	0.00112	1	09/14/2017 20:02	WG1020390
Chlorodibromomethane	U		0.000420	0.00112	1	09/14/2017 20:02	WG1020390
Chloroethane	U	J0	0.00106	0.00562	1	09/14/2017 20:02	WG1020390
Chloroform	U		0.000258	0.00562	1	09/14/2017 20:02	WG1020390
Chloromethane	0.00179	J J0	0.000422	0.00281	1	09/14/2017 20:02	WG1020390
2-Chlorotoluene	U		0.000339	0.00112	1	09/14/2017 20:02	WG1020390
4-Chlorotoluene	U		0.000270	0.00112	1	09/14/2017 20:02	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	09/14/2017 20:02	WG1020390
1,2-Dibromoethane	U		0.000386	0.00112	1	09/14/2017 20:02	WG1020390
Dibromomethane	U		0.000430	0.00112	1	09/14/2017 20:02	WG1020390
1,2-Dichlorobenzene	U		0.000343	0.00112	1	09/14/2017 20:02	WG1020390
1,3-Dichlorobenzene	U		0.000269	0.00112	1	09/14/2017 20:02	WG1020390
1,4-Dichlorobenzene	U		0.000254	0.00112	1	09/14/2017 20:02	WG1020390
Dichlorodifluoromethane	U		0.000802	0.00562	1	09/14/2017 20:02	WG1020390
1,1-Dichloroethane	U		0.000224	0.00112	1	09/14/2017 20:02	WG1020390
1,2-Dichloroethane	U		0.000298	0.00112	1	09/14/2017 20:02	WG1020390
1,1-Dichloroethene	U		0.000341	0.00112	1	09/14/2017 20:02	WG1020390
cis-1,2-Dichloroethene	U		0.000264	0.00112	1	09/14/2017 20:02	WG1020390
trans-1,2-Dichloroethene	U		0.000297	0.00112	1	09/14/2017 20:02	WG1020390
1,2-Dichloropropane	U		0.000403	0.00112	1	09/14/2017 20:02	WG1020390
1,1-Dichloropropene	U		0.000357	0.00112	1	09/14/2017 20:02	WG1020390
1,3-Dichloropropane	U		0.000233	0.00112	1	09/14/2017 20:02	WG1020390
cis-1,3-Dichloropropene	U		0.000295	0.00112	1	09/14/2017 20:02	WG1020390
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	09/14/2017 20:02	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000875	0.00281	1	09/14/2017 20:02	WG1020390
2,2-Dichloropropane	U		0.000314	0.00112	1	09/14/2017 20:02	WG1020390
Di-isopropyl ether	U		0.000279	0.00112	1	09/14/2017 20:02	WG1020390
Ethylbenzene	U		0.000334	0.00112	1	09/14/2017 20:02	WG1020390
Hexachloro-1,3-butadiene	U		0.000385	0.00112	1	09/14/2017 20:02	WG1020390
2-Hexanone	U		0.00154	0.0112	1	09/14/2017 20:02	WG1020390
n-Hexane	0.00365	J J0	0.000326	0.0112	1	09/14/2017 20:02	WG1020390
Iodomethane	U		0.00285	0.0112	1	09/14/2017 20:02	WG1020390
Isopropylbenzene	U		0.000273	0.00112	1	09/14/2017 20:02	WG1020390
p-Isopropyltoluene	U		0.000229	0.00112	1	09/14/2017 20:02	WG1020390
2-Butanone (MEK)	U	J0	0.00526	0.0112	1	09/14/2017 20:02	WG1020390
Methylene Chloride	U		0.00112	0.00562	1	09/14/2017 20:02	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	09/14/2017 20:02	WG1020390

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

Analyte	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	09/14/2017 20:02	WG1020390
Naphthalene	U		0.00112	0.00562	1	09/14/2017 20:02	WG1020390
n-Propylbenzene	U		0.000232	0.00112	1	09/14/2017 20:02	WG1020390
Styrene	U		0.000263	0.00112	1	09/14/2017 20:02	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	09/14/2017 20:02	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000411	0.00112	1	09/14/2017 20:02	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00112	1	09/14/2017 20:02	WG1020390
Tetrachloroethene	U		0.000310	0.00112	1	09/14/2017 20:02	WG1020390
Toluene	U		0.000488	0.00562	1	09/14/2017 20:02	WG1020390
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	09/14/2017 20:02	WG1020390
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	09/14/2017 20:02	WG1020390
1,1,1-Trichloroethane	U		0.000322	0.00112	1	09/14/2017 20:02	WG1020390
1,1,2-Trichloroethane	U		0.000312	0.00112	1	09/14/2017 20:02	WG1020390
Trichloroethene	U		0.000314	0.00112	1	09/14/2017 20:02	WG1020390
Trichlorofluoromethane	U		0.000430	0.00562	1	09/14/2017 20:02	WG1020390
1,2,3-Trichloropropane	U		0.000833	0.00281	1	09/14/2017 20:02	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000237	0.00112	1	09/14/2017 20:02	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000323	0.00112	1	09/14/2017 20:02	WG1020390
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	09/14/2017 20:02	WG1020390
Vinyl acetate	U		0.00269	0.0112	1	09/14/2017 20:02	WG1020390
Vinyl chloride	U		0.000327	0.00112	1	09/14/2017 20:02	WG1020390
Xylenes, Total	U		0.000785	0.00337	1	09/14/2017 20:02	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/14/2017 20:02*	WG1020390
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*09/14/2017 20:02*	WG1020390
(S) 4-Bromofluorobenzene	*84.3*			*64.0-132*		*09/14/2017 20:02*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	0.286	1.43	25	09/14/2017 20:43	WG1020390
Acrylonitrile	U		0.0512	0.286	25	09/14/2017 20:43	WG1020390
Benzene	U		0.00772	0.0286	25	09/14/2017 20:43	WG1020390
Bromobenzene	U	J0	0.00812	0.0286	25	09/14/2017 20:43	WG1020390
Bromodichloromethane	U		0.00726	0.0286	25	09/14/2017 20:43	WG1020390
Bromochloromethane	U		0.0112	0.143	25	09/14/2017 20:43	WG1020390
Bromoform	U		0.0121	0.0286	25	09/14/2017 20:43	WG1020390
Bromomethane	U		0.0383	0.143	25	09/14/2017 20:43	WG1020390
n-Butylbenzene	U		0.00738	0.0286	25	09/14/2017 20:43	WG1020390
sec-Butylbenzene	U		0.00574	0.0286	25	09/14/2017 20:43	WG1020390
tert-Butylbenzene	U		0.00589	0.0286	25	09/14/2017 20:43	WG1020390
Carbon disulfide	U		0.00631	0.0286	25	09/14/2017 20:43	WG1020390
Carbon tetrachloride	U		0.00938	0.0286	25	09/14/2017 20:43	WG1020390
Chlorobenzene	U		0.00606	0.0286	25	09/14/2017 20:43	WG1020390
Chlorodibromomethane	U		0.0107	0.0286	25	09/14/2017 20:43	WG1020390
Chloroethane	U	J0	0.0270	0.143	25	09/14/2017 20:43	WG1020390
Chloroform	U		0.00654	0.143	25	09/14/2017 20:43	WG1020390
Chloromethane	U	J0	0.0107	0.0715	25	09/14/2017 20:43	WG1020390
2-Chlorotoluene	U		0.00860	0.0286	25	09/14/2017 20:43	WG1020390
4-Chlorotoluene	U		0.00686	0.0286	25	09/14/2017 20:43	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.0300	0.143	25	09/14/2017 20:43	WG1020390
1,2-Dibromoethane	U		0.00981	0.0286	25	09/14/2017 20:43	WG1020390
Dibromomethane	U		0.0109	0.0286	25	09/14/2017 20:43	WG1020390
1,2-Dichlorobenzene	U		0.00872	0.0286	25	09/14/2017 20:43	WG1020390
1,3-Dichlorobenzene	U		0.00684	0.0286	25	09/14/2017 20:43	WG1020390
1,4-Dichlorobenzene	U		0.00646	0.0286	25	09/14/2017 20:43	WG1020390
Dichlorodifluoromethane	U		0.0204	0.143	25	09/14/2017 20:43	WG1020390
1,1-Dichloroethane	U		0.00570	0.0286	25	09/14/2017 20:43	WG1020390
1,2-Dichloroethane	U		0.00757	0.0286	25	09/14/2017 20:43	WG1020390
1,1-Dichloroethene	0.0242	J	0.00867	0.0286	25	09/14/2017 20:43	WG1020390
cis-1,2-Dichloroethene	1.55		0.00673	0.0286	25	09/14/2017 20:43	WG1020390
trans-1,2-Dichloroethene	U		0.00755	0.0286	25	09/14/2017 20:43	WG1020390
1,2-Dichloropropane	U		0.0102	0.0286	25	09/14/2017 20:43	WG1020390
1,1-Dichloropropene	U		0.00906	0.0286	25	09/14/2017 20:43	WG1020390
1,3-Dichloropropane	U		0.00592	0.0286	25	09/14/2017 20:43	WG1020390
cis-1,3-Dichloropropene	U		0.00749	0.0286	25	09/14/2017 20:43	WG1020390
trans-1,3-Dichloropropene	U		0.00764	0.0286	25	09/14/2017 20:43	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.0222	0.0715	25	09/14/2017 20:43	WG1020390
2,2-Dichloropropane	U		0.00798	0.0286	25	09/14/2017 20:43	WG1020390
Di-isopropyl ether	U		0.00709	0.0286	25	09/14/2017 20:43	WG1020390
Ethylbenzene	U		0.00849	0.0286	25	09/14/2017 20:43	WG1020390
Hexachloro-1,3-butadiene	U		0.00978	0.0286	25	09/14/2017 20:43	WG1020390
2-Hexanone	U		0.0391	0.286	25	09/14/2017 20:43	WG1020390
n-Hexane	U	J0	0.00829	0.286	25	09/14/2017 20:43	WG1020390
Iodomethane	U		0.0723	0.286	25	09/14/2017 20:43	WG1020390
Isopropylbenzene	U		0.00695	0.0286	25	09/14/2017 20:43	WG1020390
p-Isopropyltoluene	U		0.00583	0.0286	25	09/14/2017 20:43	WG1020390
2-Butanone (MEK)	U	J0	0.134	0.286	25	09/14/2017 20:43	WG1020390
Methylene Chloride	U		0.0286	0.143	25	09/14/2017 20:43	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.0538	0.286	25	09/14/2017 20:43	WG1020390

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		0.00606	0.0286	25	09/14/2017 20:43	WG1020390
Naphthalene	U		0.0286	0.143	25	09/14/2017 20:43	WG1020390
n-Propylbenzene	U		0.00589	0.0286	25	09/14/2017 20:43	WG1020390
Styrene	U		0.00669	0.0286	25	09/14/2017 20:43	WG1020390
1,1,1,2-Tetrachloroethane	U		0.00755	0.0286	25	09/14/2017 20:43	WG1020390
1,1,2,2-Tetrachloroethane	U		0.0104	0.0286	25	09/14/2017 20:43	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0286	25	09/14/2017 20:43	WG1020390
Tetrachloroethene	11.1		0.0789	0.286	250	09/18/2017 16:40	WG1020390
Toluene	U		0.0124	0.143	25	09/14/2017 20:43	WG1020390
1,2,3-Trichlorobenzene	U		0.00875	0.0286	25	09/14/2017 20:43	WG1020390
1,2,4-Trichlorobenzene	U		0.0111	0.0286	25	09/14/2017 20:43	WG1020390
1,1,1-Trichloroethane	U		0.00818	0.0286	25	09/14/2017 20:43	WG1020390
1,1,2-Trichloroethane	U		0.00791	0.0286	25	09/14/2017 20:43	WG1020390
Trichloroethene	1.02		0.00798	0.0286	25	09/14/2017 20:43	WG1020390
Trichlorofluoromethane	U		0.0109	0.143	25	09/14/2017 20:43	WG1020390
1,2,3-Trichloropropane	U		0.0212	0.0715	25	09/14/2017 20:43	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.00604	0.0286	25	09/14/2017 20:43	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.00821	0.0286	25	09/14/2017 20:43	WG1020390
1,3,5-Trimethylbenzene	U		0.00761	0.0286	25	09/14/2017 20:43	WG1020390
Vinyl acetate	U		0.0684	0.286	25	09/14/2017 20:43	WG1020390
Vinyl chloride	U		0.00833	0.0286	25	09/14/2017 20:43	WG1020390
Xylenes, Total	U		0.0199	0.0858	25	09/14/2017 20:43	WG1020390
(S) Toluene-d8	*104*			*80.0-120*		*09/14/2017 20:43*	WG1020390
(S) Toluene-d8	*111*			*80.0-120*		*09/18/2017 16:40*	WG1020390
(S) Dibromofluoromethane	*91.8*			*74.0-131*		*09/14/2017 20:43*	WG1020390
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*09/18/2017 16:40*	WG1020390
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/18/2017 16:40*	WG1020390
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*09/14/2017 20:43*	WG1020390

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	09/14/2017 20:23	WG1020390
Acrylonitrile	U		0.00197	0.0110	1	09/14/2017 20:23	WG1020390
Benzene	U		0.000298	0.00110	1	09/14/2017 20:23	WG1020390
Bromobenzene	U	J0	0.000313	0.00110	1	09/14/2017 20:23	WG1020390
Bromodichloromethane	U		0.000280	0.00110	1	09/14/2017 20:23	WG1020390
Bromochloromethane	U		0.000430	0.00551	1	09/14/2017 20:23	WG1020390
Bromoform	U		0.000468	0.00110	1	09/14/2017 20:23	WG1020390
Bromomethane	U		0.00148	0.00551	1	09/14/2017 20:23	WG1020390
n-Butylbenzene	U		0.000285	0.00110	1	09/14/2017 20:23	WG1020390
sec-Butylbenzene	U		0.000222	0.00110	1	09/14/2017 20:23	WG1020390
tert-Butylbenzene	U		0.000227	0.00110	1	09/14/2017 20:23	WG1020390
Carbon disulfide	0.000331	J	0.000244	0.00110	1	09/14/2017 20:23	WG1020390
Carbon tetrachloride	U		0.000362	0.00110	1	09/14/2017 20:23	WG1020390
Chlorobenzene	U		0.000234	0.00110	1	09/14/2017 20:23	WG1020390
Chlorodibromomethane	U		0.000411	0.00110	1	09/14/2017 20:23	WG1020390
Chloroethane	U	J0	0.00104	0.00551	1	09/14/2017 20:23	WG1020390
Chloroform	U		0.000253	0.00551	1	09/14/2017 20:23	WG1020390
Chloromethane	U	J0	0.000414	0.00276	1	09/14/2017 20:23	WG1020390
2-Chlorotoluene	U		0.000332	0.00110	1	09/14/2017 20:23	WG1020390
4-Chlorotoluene	U		0.000265	0.00110	1	09/14/2017 20:23	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	09/14/2017 20:23	WG1020390
1,2-Dibromoethane	U		0.000378	0.00110	1	09/14/2017 20:23	WG1020390
Dibromomethane	U		0.000421	0.00110	1	09/14/2017 20:23	WG1020390
1,2-Dichlorobenzene	U		0.000336	0.00110	1	09/14/2017 20:23	WG1020390
1,3-Dichlorobenzene	U		0.000264	0.00110	1	09/14/2017 20:23	WG1020390
1,4-Dichlorobenzene	U		0.000249	0.00110	1	09/14/2017 20:23	WG1020390
Dichlorodifluoromethane	U		0.000786	0.00551	1	09/14/2017 20:23	WG1020390
1,1-Dichloroethane	U		0.000219	0.00110	1	09/14/2017 20:23	WG1020390
1,2-Dichloroethane	U		0.000292	0.00110	1	09/14/2017 20:23	WG1020390
1,1-Dichloroethene	U		0.000334	0.00110	1	09/14/2017 20:23	WG1020390
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	09/14/2017 20:23	WG1020390
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	09/14/2017 20:23	WG1020390
1,2-Dichloropropane	U		0.000395	0.00110	1	09/14/2017 20:23	WG1020390
1,1-Dichloropropene	U		0.000350	0.00110	1	09/14/2017 20:23	WG1020390
1,3-Dichloropropane	U		0.000228	0.00110	1	09/14/2017 20:23	WG1020390
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	09/14/2017 20:23	WG1020390
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	09/14/2017 20:23	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000858	0.00276	1	09/14/2017 20:23	WG1020390
2,2-Dichloropropane	U		0.000308	0.00110	1	09/14/2017 20:23	WG1020390
Di-isopropyl ether	U		0.000273	0.00110	1	09/14/2017 20:23	WG1020390
Ethylbenzene	U		0.000328	0.00110	1	09/14/2017 20:23	WG1020390
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	09/14/2017 20:23	WG1020390
2-Hexanone	U		0.00151	0.0110	1	09/14/2017 20:23	WG1020390
n-Hexane	U	J0	0.000320	0.0110	1	09/14/2017 20:23	WG1020390
Iodomethane	U		0.00279	0.0110	1	09/14/2017 20:23	WG1020390
Isopropylbenzene	U		0.000268	0.00110	1	09/14/2017 20:23	WG1020390
p-Isopropyltoluene	U		0.000225	0.00110	1	09/14/2017 20:23	WG1020390
2-Butanone (MEK)	U	J0	0.00516	0.0110	1	09/14/2017 20:23	WG1020390
Methylene Chloride	U		0.00110	0.00551	1	09/14/2017 20:23	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	09/14/2017 20:23	WG1020390

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

Analyte	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	09/14/2017 20:23	WG1020390
Naphthalene	U		0.00110	0.00551	1	09/14/2017 20:23	WG1020390
n-Propylbenzene	U		0.000227	0.00110	1	09/14/2017 20:23	WG1020390
Styrene	U		0.000258	0.00110	1	09/14/2017 20:23	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	09/14/2017 20:23	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	09/14/2017 20:23	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	09/14/2017 20:23	WG1020390
Tetrachloroethene	U		0.000304	0.00110	1	09/14/2017 20:23	WG1020390
Toluene	U		0.000479	0.00551	1	09/14/2017 20:23	WG1020390
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	09/14/2017 20:23	WG1020390
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	09/14/2017 20:23	WG1020390
1,1,1-Trichloroethane	U		0.000315	0.00110	1	09/14/2017 20:23	WG1020390
1,1,2-Trichloroethane	U		0.000305	0.00110	1	09/14/2017 20:23	WG1020390
Trichloroethene	U		0.000308	0.00110	1	09/14/2017 20:23	WG1020390
Trichlorofluoromethane	U		0.000421	0.00551	1	09/14/2017 20:23	WG1020390
1,2,3-Trichloropropane	U		0.000817	0.00276	1	09/14/2017 20:23	WG1020390
1,2,4-Trimethylbenzene	U	J0	0.000233	0.00110	1	09/14/2017 20:23	WG1020390
1,2,3-Trimethylbenzene	U	J0	0.000316	0.00110	1	09/14/2017 20:23	WG1020390
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	09/14/2017 20:23	WG1020390
Vinyl acetate	U		0.00264	0.0110	1	09/14/2017 20:23	WG1020390
Vinyl chloride	U		0.000321	0.00110	1	09/14/2017 20:23	WG1020390
Xylenes, Total	U		0.000770	0.00331	1	09/14/2017 20:23	WG1020390
(S) Toluene-d8	*97.7*			*80.0-120*		*09/14/2017 20:23*	WG1020390
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/14/2017 20:23*	WG1020390
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*09/14/2017 20:23*	WG1020390

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/14/2017 12:47	WG1020322
Acrylonitrile	U		0.873	5.00	1	09/14/2017 12:47	WG1020322
Benzene	U		0.0896	0.500	1	09/14/2017 12:47	WG1020322
Bromobenzene	U		0.133	0.500	1	09/14/2017 12:47	WG1020322
Bromodichloromethane	U		0.0800	0.500	1	09/14/2017 12:47	WG1020322
Bromochloromethane	U		0.145	0.500	1	09/14/2017 12:47	WG1020322
Bromoform	U		0.186	0.500	1	09/14/2017 12:47	WG1020322
Bromomethane	U		0.157	2.50	1	09/14/2017 12:47	WG1020322
n-Butylbenzene	U		0.143	0.500	1	09/14/2017 12:47	WG1020322
sec-Butylbenzene	U		0.134	0.500	1	09/14/2017 12:47	WG1020322
tert-Butylbenzene	U		0.183	0.500	1	09/14/2017 12:47	WG1020322
Carbon disulfide	U		0.101	0.500	1	09/14/2017 12:47	WG1020322
Carbon tetrachloride	U		0.159	0.500	1	09/14/2017 12:47	WG1020322
Chlorobenzene	U		0.140	0.500	1	09/14/2017 12:47	WG1020322
Chlorodibromomethane	U		0.128	0.500	1	09/14/2017 12:47	WG1020322
Chloroethane	U		0.141	2.50	1	09/14/2017 12:47	WG1020322
Chloroform	U		0.0860	0.500	1	09/14/2017 12:47	WG1020322
Chloromethane	U		0.153	1.25	1	09/14/2017 12:47	WG1020322
2-Chlorotoluene	U		0.111	0.500	1	09/14/2017 12:47	WG1020322
4-Chlorotoluene	U		0.0972	0.500	1	09/14/2017 12:47	WG1020322
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/14/2017 12:47	WG1020322
1,2-Dibromoethane	U		0.193	0.500	1	09/14/2017 12:47	WG1020322
Dibromomethane	U		0.117	0.500	1	09/14/2017 12:47	WG1020322
1,2-Dichlorobenzene	U		0.101	0.500	1	09/14/2017 12:47	WG1020322
1,3-Dichlorobenzene	U		0.130	0.500	1	09/14/2017 12:47	WG1020322
1,4-Dichlorobenzene	U		0.121	0.500	1	09/14/2017 12:47	WG1020322
Dichlorodifluoromethane	U		0.127	2.50	1	09/14/2017 12:47	WG1020322
1,1-Dichloroethane	U		0.114	0.500	1	09/14/2017 12:47	WG1020322
1,2-Dichloroethane	U		0.108	0.500	1	09/14/2017 12:47	WG1020322
1,1-Dichloroethene	U		0.188	0.500	1	09/14/2017 12:47	WG1020322
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/14/2017 12:47	WG1020322
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/14/2017 12:47	WG1020322
1,2-Dichloropropane	U		0.190	0.500	1	09/14/2017 12:47	WG1020322
1,1-Dichloropropene	U		0.128	0.500	1	09/14/2017 12:47	WG1020322
1,3-Dichloropropane	U		0.147	1.00	1	09/14/2017 12:47	WG1020322
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/14/2017 12:47	WG1020322
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/14/2017 12:47	WG1020322
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/14/2017 12:47	WG1020322
2,2-Dichloropropane	U		0.0929	0.500	1	09/14/2017 12:47	WG1020322
Di-isopropyl ether	U		0.0924	0.500	1	09/14/2017 12:47	WG1020322
Ethylbenzene	U		0.158	0.500	1	09/14/2017 12:47	WG1020322
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/14/2017 12:47	WG1020322
2-Hexanone	U		0.757	5.00	1	09/14/2017 12:47	WG1020322
n-Hexane	U		0.305	5.00	1	09/14/2017 12:47	WG1020322
Iodomethane	U		0.377	10.0	1	09/14/2017 12:47	WG1020322
Isopropylbenzene	U		0.126	0.500	1	09/14/2017 12:47	WG1020322
p-Isopropyltoluene	U		0.138	0.500	1	09/14/2017 12:47	WG1020322
2-Butanone (MEK)	U		1.28	5.00	1	09/14/2017 12:47	WG1020322
Methylene Chloride	U		1.07	2.50	1	09/14/2017 12:47	WG1020322
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/14/2017 12:47	WG1020322
Methyl tert-butyl ether	U		0.102	0.500	1	09/14/2017 12:47	WG1020322
Naphthalene	U		0.174	2.50	1	09/14/2017 12:47	WG1020322
n-Propylbenzene	U		0.162	0.500	1	09/14/2017 12:47	WG1020322
Styrene	U		0.117	0.500	1	09/14/2017 12:47	WG1020322
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/14/2017 12:47	WG1020322
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/14/2017 12:47	WG1020322

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/14/2017 12:47	WG1020322
Tetrachloroethene	U		0.199	0.500	1	09/14/2017 12:47	WG1020322
Toluene	U		0.412	0.500	1	09/14/2017 12:47	WG1020322
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/14/2017 12:47	WG1020322
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/14/2017 12:47	WG1020322
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/14/2017 12:47	WG1020322
1,1,2-Trichloroethane	U		0.186	0.500	1	09/14/2017 12:47	WG1020322
Trichloroethene	U		0.153	0.500	1	09/14/2017 12:47	WG1020322
Trichlorofluoromethane	U		0.130	2.50	1	09/14/2017 12:47	WG1020322
1,2,3-Trichloropropane	U		0.247	2.50	1	09/14/2017 12:47	WG1020322
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/14/2017 12:47	WG1020322
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/14/2017 12:47	WG1020322
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/14/2017 12:47	WG1020322
Vinyl acetate	U		0.645	5.00	1	09/14/2017 12:47	WG1020322
Vinyl chloride	U		0.118	0.500	1	09/14/2017 12:47	WG1020322
Xylenes, Total	U		0.316	1.50	1	09/14/2017 12:47	WG1020322
(S) Toluene-d8	*104*			*80.0-120*		*09/14/2017 12:47*	WG1020322
(S) Dibromofluoromethane	*99.6*			*76.0-123*		*09/14/2017 12:47*	WG1020322
(S) 4-Bromofluorobenzene	*100*			*80.0-120*		*09/14/2017 12:47*	WG1020322

Method Blank (MB)

(MB) R3249931-1 09/16/17 10:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000100			

L936064-02 Original Sample (OS) • Duplicate (DUP)

(OS) L936064-02 09/16/17 10:30 • (DUP) R3249931-3 09/16/17 10:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	82.0	81.3	1	0.886		5

Laboratory Control Sample (LCS)

(LCS) R3249931-2 09/16/17 10:30

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) R3250542-1 09/19/17 07:43

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000800			

L936064-01 Original Sample (OS) • Duplicate (DUP)

(OS) L936064-01 09/19/17 07:43 • (DUP) R3250542-3 09/19/17 07:43

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.1	87.6	1	0.576		5

Laboratory Control Sample (LCS)

(LCS) R3250542-2 09/19/17 07:43

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) R3250549-1 09/19/17 09:14

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00130			

L936064-13 Original Sample (OS) • Duplicate (DUP)

(OS) L936064-13 09/19/17 09:14 • (DUP) R3250549-3 09/19/17 09:14

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.3	91.3	1	1.14		5

Laboratory Control Sample (LCS)

(LCS) R3250549-2 09/19/17 09:14

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) R3249641-3 09/14/17 23:50

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)	*93.4*			*77.0-120*

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

(LCS) R3249641-1 09/14/17 22:43 • (LCSD) R3249641-2 09/14/17 23:05

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 %
Gasoline Range Organics-NWTPH	5.50	5.18	5.22	94.3	94.9	70.0-133			0.640	20
(S) a,a,a-Trifluorotoluene(FID)				*108*	*109*	*77.0-120*				

L936105-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L936105-01 09/15/17 07:16 • (MS) R3249641-4 09/15/17 07:38 • (MSD) R3249641-5 09/15/17 08:00

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5.50	ND	92.3	96.5	44.9	47.9	25	10.0-146			4.37	30
(S) a,a,a-Trifluorotoluene(FID)					*95.5*	*95.5*		*77.0-120*				

Method Blank (MB)

(MB) R3249454-5 09/14/17 10:31

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) R3249454-5 09/14/17 10:31

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
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
Methyl tert-butyl ether	U		0.102	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Naphthalene	U		0.174	2.50
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
Toluene	U		0.412	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*105*			*80.0-120*
(S) Dibromofluoromethane	*102*			*76.0-123*
(S) 4-Bromofluorobenzene	*98.9*			*80.0-120*

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

(LCS) R3249454-1 09/14/17 08:51 • (LCSD) R3249454-2 09/14/17 09:11

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	129	113	103	90.3	10.0-160			13.3	23
Acrylonitrile	125	130	132	104	105	60.0-142			1.49	20
Bromobenzene	25.0	24.1	24.6	96.5	98.4	79.0-120			2.02	20
Bromodichloromethane	25.0	25.2	25.3	101	101	76.0-120			0.380	20
Bromochloromethane	25.0	25.5	25.8	102	103	76.0-122			1.40	20
Bromoform	25.0	26.0	26.0	104	104	67.0-132			0.0400	20
Bromomethane	25.0	23.7	25.2	94.8	101	18.0-160			6.08	20
n-Butylbenzene	25.0	27.3	28.1	109	113	72.0-126			3.05	20
sec-Butylbenzene	25.0	25.8	26.7	103	107	74.0-121			3.45	20
tert-Butylbenzene	25.0	25.7	26.3	103	105	75.0-122			2.06	20
Carbon disulfide	25.0	25.3	25.7	101	103	55.0-127			1.87	20
Carbon tetrachloride	25.0	24.5	24.9	98.0	99.7	63.0-122			1.70	20
Chlorobenzene	25.0	25.6	25.9	102	103	79.0-121			1.17	20
Chlorodibromomethane	25.0	26.4	26.5	106	106	75.0-125			0.480	20
Chloroethane	25.0	25.0	25.2	100	101	47.0-152			0.720	20
Chloroform	25.0	25.3	25.2	101	101	72.0-121			0.120	20
Chloromethane	25.0	22.5	22.8	89.9	91.2	48.0-139			1.48	20
2-Chlorotoluene	25.0	25.2	25.7	101	103	74.0-122			1.80	20
4-Chlorotoluene	25.0	25.1	25.4	100	102	79.0-120			1.22	20
1,2-Dibromo-3-Chloropropane	25.0	24.9	25.8	99.6	103	64.0-127			3.74	20
1,2-Dibromoethane	25.0	26.0	25.8	104	103	77.0-123			0.410	20
Dibromomethane	25.0	25.6	25.6	102	102	78.0-120			0.0300	20
1,2-Dichlorobenzene	25.0	25.8	26.0	103	104	80.0-120			0.590	20
1,3-Dichlorobenzene	25.0	25.7	26.1	103	104	72.0-123			1.46	20
1,4-Dichlorobenzene	25.0	25.1	25.5	101	102	77.0-120			1.43	20
Dichlorodifluoromethane	25.0	22.5	22.8	90.0	91.3	49.0-155			1.45	20
1,1-Dichloroethane	25.0	26.0	26.0	104	104	70.0-126			0.0800	20
1,2-Dichloroethane	25.0	25.7	25.5	103	102	67.0-126			0.810	20
1,1-Dichloroethene	25.0	26.0	26.6	104	106	64.0-129			2.08	20
cis-1,2-Dichloroethene	25.0	25.3	25.3	101	101	73.0-120			0.170	20
trans-1,2-Dichloroethene	25.0	25.6	26.1	103	104	71.0-121			1.71	20
1,2-Dichloropropane	25.0	26.6	26.7	106	107	75.0-125			0.160	20
1,1-Dichloropropene	25.0	26.1	26.3	104	105	71.0-129			0.880	20
1,3-Dichloropropane	25.0	25.6	25.6	103	102	80.0-121			0.200	20
cis-1,3-Dichloropropene	25.0	29.0	29.1	116	116	79.0-123			0.490	20
trans-1,3-Dichloropropene	25.0	28.1	28.4	112	114	74.0-127			1.18	20
Benzene	25.0	25.4	25.4	102	101	69.0-123			0.350	20
trans-1,4-Dichloro-2-butene	25.0	21.7	22.7	86.8	90.8	55.0-134			4.58	20
2,2-Dichloropropane	25.0	24.5	25.4	97.9	101	60.0-125			3.56	20
Di-isopropyl ether	25.0	25.1	25.3	101	101	59.0-133			0.710	20

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

(LCS) R3249454-1 09/14/17 08:51 • (LCSD) R3249454-2 09/14/17 09:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	25.0	27.9	27.5	112	110	64.0-131			1.47	20
2-Hexanone	125	137	138	110	110	58.0-147			0.490	20
n-Hexane	25.0	27.0	27.1	108	109	56.0-124			0.460	20
Iodomethane	125	131	133	105	106	57.0-140			1.30	20
Isopropylbenzene	25.0	25.2	26.0	101	104	75.0-120			3.17	20
p-Isopropyltoluene	25.0	27.0	27.8	108	111	74.0-126			2.90	20
2-Butanone (MEK)	125	109	109	87.5	87.3	37.0-158			0.200	20
Methylene Chloride	25.0	24.9	25.3	99.7	101	66.0-121			1.37	20
4-Methyl-2-pentanone (MIBK)	125	133	135	107	108	59.0-143			1.32	20
n-Propylbenzene	25.0	26.0	26.6	104	106	79.0-120			2.40	20
Styrene	25.0	26.1	26.7	104	107	78.0-124			2.16	20
1,1,1,2-Tetrachloroethane	25.0	25.4	26.0	101	104	75.0-122			2.34	20
1,1,2,2-Tetrachloroethane	25.0	26.4	27.2	106	109	71.0-122			2.88	20
1,1,2-Trichlorotrifluoroethane	25.0	26.2	26.7	105	107	61.0-136			1.62	20
Tetrachloroethene	25.0	25.7	25.8	103	103	70.0-127			0.590	20
1,2,3-Trichlorobenzene	25.0	27.6	27.4	110	110	61.0-133			0.610	20
1,2,4-Trichlorobenzene	25.0	28.1	27.2	112	109	69.0-129			3.12	20
1,1,1-Trichloroethane	25.0	25.3	26.2	101	105	68.0-122			3.68	20
1,1,2-Trichloroethane	25.0	26.0	26.0	104	104	78.0-120			0.0400	20
Trichloroethene	25.0	25.0	25.2	100	101	78.0-120			0.660	20
Trichlorofluoromethane	25.0	24.9	25.6	99.6	102	56.0-137			2.59	20
1,2,3-Trichloropropane	25.0	25.5	25.8	102	103	72.0-124			1.23	20
1,2,4-Trimethylbenzene	25.0	25.5	26.0	102	104	75.0-120			2.15	20
1,2,3-Trimethylbenzene	25.0	23.8	24.1	95.1	96.5	75.0-120			1.47	20
1,3,5-Trimethylbenzene	25.0	25.3	26.1	101	104	75.0-120			3.09	20
Vinyl acetate	125	169	168	135	135	46.0-160			0.200	20
Vinyl chloride	25.0	24.8	25.1	99.4	100	64.0-133			1.08	20
Ethylbenzene	25.0	25.4	25.7	101	103	77.0-120			1.54	20
Methyl tert-butyl ether	25.0	24.1	24.3	96.3	97.1	64.0-123			0.860	20
Naphthalene	25.0	24.8	25.6	99.2	102	62.0-128			3.25	20
Toluene	25.0	25.0	25.3	100	101	77.0-120			1.13	20
Xylenes, Total	75.0	76.6	77.5	102	103	77.0-120			1.17	20
(S) Toluene-d8				*102*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*101*	*101*	*76.0-123*				
(S) 4-Bromofluorobenzene				*100*	*101*	*80.0-120*				

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

Method Blank (MB)

(MB) R3250116-3 09/14/17 12:51

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) R3250116-3 09/14/17 12:51

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	*107*			*80.0-120*
(S) Dibromofluoromethane	*92.1*			*74.0-131*
(S) 4-Bromofluorobenzene	*87.5*			*64.0-132*

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

(LCS) R3250116-1 09/14/17 10:41 • (LCSD) R3250116-2 09/14/17 11:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0741	0.0814	59.3	65.1	11.0-160			9.34	23
Acrylonitrile	0.125	0.0983	0.0967	78.7	77.4	61.0-143			1.65	20
Benzene	0.0250	0.0209	0.0215	83.7	85.8	71.0-124			2.47	20
Bromobenzene	0.0250	0.0197	0.0210	78.9	83.8	78.0-120			6.08	20
Bromodichloromethane	0.0250	0.0221	0.0227	88.2	90.9	75.0-120			2.99	20
Bromochloromethane	0.0250	0.0231	0.0225	92.5	90.2	80.0-121			2.57	20
Bromoform	0.0250	0.0229	0.0240	91.5	95.8	65.0-133			4.63	20
Bromomethane	0.0250	0.0189	0.0203	75.4	81.2	26.0-160			7.35	20
n-Butylbenzene	0.0250	0.0211	0.0223	84.4	89.2	73.0-126			5.52	20
sec-Butylbenzene	0.0250	0.0210	0.0222	83.8	89.0	75.0-121			6.00	20
tert-Butylbenzene	0.0250	0.0210	0.0226	84.0	90.4	74.0-122			7.28	20
Carbon disulfide	0.0250	0.0193	0.0207	77.4	82.9	53.0-130			6.90	20
Carbon tetrachloride	0.0250	0.0212	0.0224	84.9	89.4	66.0-123			5.21	20
Chlorobenzene	0.0250	0.0248	0.0273	99.2	109	79.0-121			9.77	20
Chlorodibromomethane	0.0250	0.0245	0.0268	97.9	107	74.0-128			9.18	20
Chloroethane	0.0250	0.0173	0.0187	69.3	75.0	51.0-147			7.88	20
Chloroform	0.0250	0.0208	0.0219	83.1	87.4	73.0-123			5.00	20
Chloromethane	0.0250	0.0154	0.0166	61.8	66.3	51.0-138			7.08	20
2-Chlorotoluene	0.0250	0.0207	0.0220	82.7	87.8	72.0-124			5.97	20
4-Chlorotoluene	0.0250	0.0198	0.0213	79.3	85.2	78.0-120			7.23	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0225	0.0228	90.2	91.0	65.0-126			0.960	20
1,2-Dibromoethane	0.0250	0.0244	0.0259	97.8	104	78.0-122			5.86	20
Dibromomethane	0.0250	0.0219	0.0232	87.5	92.7	79.0-120			5.72	20
1,2-Dichlorobenzene	0.0250	0.0229	0.0244	91.4	97.4	80.0-120			6.39	20
1,3-Dichlorobenzene	0.0250	0.0232	0.0245	92.8	98.0	72.0-123			5.48	20
1,4-Dichlorobenzene	0.0250	0.0212	0.0224	84.9	89.8	77.0-120			5.57	20
trans-1,4-Dichloro-2-butene	0.0250	0.0213	0.0190	85.0	76.2	68.0-126			10.9	20
Dichlorodifluoromethane	0.0250	0.0186	0.0199	74.4	79.8	49.0-155			6.92	20
1,1-Dichloroethane	0.0250	0.0215	0.0215	85.9	86.0	70.0-128			0.120	20
1,2-Dichloroethane	0.0250	0.0219	0.0214	87.6	85.8	69.0-128			2.10	20
1,1-Dichloroethene	0.0250	0.0195	0.0211	77.9	84.4	63.0-131			8.00	20
cis-1,2-Dichloroethene	0.0250	0.0198	0.0206	79.1	82.2	74.0-123			3.81	20
trans-1,2-Dichloroethene	0.0250	0.0200	0.0208	79.9	83.2	72.0-122			4.04	20
1,2-Dichloropropane	0.0250	0.0220	0.0229	87.8	91.5	75.0-126			4.14	20
1,1-Dichloropropene	0.0250	0.0210	0.0215	84.0	86.0	72.0-130			2.31	20
1,3-Dichloropropane	0.0250	0.0243	0.0261	97.0	104	80.0-121			7.38	20
cis-1,3-Dichloropropene	0.0250	0.0259	0.0277	103	111	80.0-125			6.82	20
trans-1,3-Dichloropropene	0.0250	0.0261	0.0277	104	111	75.0-129			5.93	20
2,2-Dichloropropane	0.0250	0.0204	0.0212	81.7	84.6	60.0-129			3.54	20
Di-isopropyl ether	0.0250	0.0189	0.0191	75.6	76.5	62.0-133			1.13	20

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

(LCS) R3250116-1 09/14/17 10:41 • (LCSD) R3250116-2 09/14/17 11:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0231	0.0250	92.5	100	77.0-120			7.86	20
Hexachloro-1,3-butadiene	0.0250	0.0238	0.0254	95.4	101	68.0-128			6.11	20
2-Hexanone	0.125	0.109	0.112	87.2	89.3	61.0-143			2.28	20
n-Hexane	0.0250	0.0175	0.0188	70.0	75.2	57.0-125			7.13	20
Iodomethane	0.125	0.126	0.132	101	106	67.0-132			5.09	20
Isopropylbenzene	0.0250	0.0204	0.0218	81.6	87.0	75.0-120			6.42	20
p-Isopropyltoluene	0.0250	0.0218	0.0234	87.3	93.7	74.0-125			7.08	20
2-Butanone (MEK)	0.125	0.0952	0.0907	76.2	72.5	37.0-159			4.89	20
Methylene Chloride	0.0250	0.0189	0.0198	75.7	79.3	67.0-123			4.69	20
4-Methyl-2-pentanone (MIBK)	0.125	0.111	0.113	89.1	90.1	60.0-144			1.10	20
Methyl tert-butyl ether	0.0250	0.0196	0.0205	78.2	81.9	66.0-125			4.51	20
Naphthalene	0.0250	0.0204	0.0222	81.8	88.7	64.0-125			8.17	20
n-Propylbenzene	0.0250	0.0205	0.0220	82.1	88.0	78.0-120			6.95	20
Styrene	0.0250	0.0212	0.0226	84.9	90.5	78.0-124			6.43	20
1,1,1,2-Tetrachloroethane	0.0250	0.0237	0.0258	94.8	103	74.0-124			8.69	20
1,1,2,2-Tetrachloroethane	0.0250	0.0199	0.0209	79.4	83.6	73.0-120			5.08	20
Tetrachloroethene	0.0250	0.0268	0.0291	107	116	70.0-127			8.13	20
Toluene	0.0250	0.0223	0.0240	89.1	96.1	77.0-120			7.63	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0205	0.0219	82.1	87.6	64.0-135			6.48	20
1,2,3-Trichlorobenzene	0.0250	0.0233	0.0253	93.3	101	68.0-126			8.24	20
1,2,4-Trichlorobenzene	0.0250	0.0236	0.0249	94.3	99.7	70.0-127			5.59	20
1,1,1-Trichloroethane	0.0250	0.0207	0.0214	83.0	85.7	69.0-125			3.24	20
1,1,2-Trichloroethane	0.0250	0.0226	0.0243	90.3	97.1	78.0-120			7.23	20
Trichloroethene	0.0250	0.0238	0.0249	95.4	99.7	79.0-120			4.47	20
Trichlorofluoromethane	0.0250	0.0229	0.0241	91.5	96.2	59.0-136			4.98	20
1,2,3-Trichloropropane	0.0250	0.0202	0.0210	80.9	84.2	73.0-124			3.98	20
1,2,3-Trimethylbenzene	0.0250	0.0193	0.0205	77.1	82.0	76.0-120			6.13	20
1,2,4-Trimethylbenzene	0.0250	0.0194	0.0206	77.6	82.4	75.0-120			5.99	20
1,3,5-Trimethylbenzene	0.0250	0.0205	0.0223	82.1	89.1	75.0-120			8.17	20
Vinyl acetate	0.125	0.111	0.110	88.8	88.4	58.0-156			0.510	20
Vinyl chloride	0.0250	0.0199	0.0211	79.7	84.2	63.0-134			5.52	20
Xylenes, Total	0.0750	0.0683	0.0740	91.1	98.7	77.0-120			8.01	20
(S) Toluene-d8				*106*	*109*	*80.0-120*				
(S) Dibromofluoromethane				*92.7*	*90.8*	*74.0-131*				
(S) 4-Bromofluorobenzene				*87.9*	*87.3*	*64.0-132*				

Method Blank (MB)

(MB) R3249538-3 09/14/17 19:21

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) R3249538-3 09/14/17 19:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
n-Hexane	U		0.000290	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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*105*			*80.0-120*
(S) Dibromofluoromethane	*101*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

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

(LCS) R3249538-1 09/14/17 18:29 • (LCSD) R3249538-2 09/14/17 18:46

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	0.0709	0.0640	56.7	51.2	11.0-160			10.2	23
Acrylonitrile	0.125	0.123	0.122	98.7	97.6	61.0-143			1.12	20
Benzene	0.0250	0.0254	0.0259	102	104	71.0-124			1.74	20
Bromobenzene	0.0250	0.0241	0.0241	96.5	96.5	78.0-120			0.0500	20
Bromodichloromethane	0.0250	0.0214	0.0227	85.7	90.6	75.0-120			5.61	20
Bromoform	0.0250	0.0191	0.0198	76.5	79.1	65.0-133			3.33	20
Bromochloromethane	0.0250	0.0233	0.0250	93.1	100	80.0-121			7.31	20
Bromomethane	0.0250	0.0248	0.0244	99.3	97.5	26.0-160			1.88	20
n-Butylbenzene	0.0250	0.0244	0.0260	97.7	104	73.0-126			6.29	20
sec-Butylbenzene	0.0250	0.0241	0.0252	96.3	101	75.0-121			4.73	20
tert-Butylbenzene	0.0250	0.0236	0.0246	94.4	98.3	74.0-122			4.07	20
Carbon tetrachloride	0.0250	0.0244	0.0249	97.5	99.8	66.0-123			2.31	20
Carbon disulfide	0.0250	0.0224	0.0225	89.4	90.1	53.0-130			0.770	20
Chlorobenzene	0.0250	0.0235	0.0246	94.0	98.2	79.0-121			4.33	20
Chlorodibromomethane	0.0250	0.0216	0.0217	86.3	86.8	74.0-128			0.510	20
Chloroethane	0.0250	0.0245	0.0254	97.8	102	51.0-147			3.69	20
Chloroform	0.0250	0.0251	0.0253	101	101	73.0-123			0.460	20
Chloromethane	0.0250	0.0246	0.0245	98.5	97.9	51.0-138			0.640	20
2-Chlorotoluene	0.0250	0.0254	0.0262	102	105	72.0-124			3.05	20
4-Chlorotoluene	0.0250	0.0239	0.0248	95.6	99.1	78.0-120			3.55	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0194	0.0202	77.6	80.8	65.0-126			4.16	20
1,2-Dibromoethane	0.0250	0.0230	0.0232	91.8	92.9	78.0-122			1.14	20
Dibromomethane	0.0250	0.0218	0.0222	87.1	88.9	79.0-120			1.99	20
1,2-Dichlorobenzene	0.0250	0.0251	0.0262	100	105	80.0-120			4.14	20
1,3-Dichlorobenzene	0.0250	0.0254	0.0257	102	103	72.0-123			1.32	20
1,4-Dichlorobenzene	0.0250	0.0239	0.0245	95.5	97.8	77.0-120			2.45	20
Dichlorodifluoromethane	0.0250	0.0258	0.0258	103	103	49.0-155			0.0100	20
trans-1,4-Dichloro-2-butene	0.0250	0.0213	0.0207	85.3	82.9	68.0-126			2.90	20
1,1-Dichloroethane	0.0250	0.0259	0.0258	104	103	70.0-128			0.400	20
1,2-Dichloroethane	0.0250	0.0257	0.0254	103	101	69.0-128			1.39	20
1,1-Dichloroethene	0.0250	0.0245	0.0250	97.8	100	63.0-131			2.22	20
cis-1,2-Dichloroethene	0.0250	0.0232	0.0244	92.6	97.8	74.0-123			5.39	20
trans-1,2-Dichloroethene	0.0250	0.0243	0.0253	97.2	101	72.0-122			4.18	20
1,2-Dichloropropane	0.0250	0.0250	0.0258	99.9	103	75.0-126			3.20	20
1,1-Dichloropropene	0.0250	0.0247	0.0250	98.8	100	72.0-130			1.38	20
1,3-Dichloropropane	0.0250	0.0235	0.0242	94.0	96.9	80.0-121			3.04	20
cis-1,3-Dichloropropene	0.0250	0.0254	0.0262	102	105	80.0-125			3.03	20
trans-1,3-Dichloropropene	0.0250	0.0234	0.0251	93.6	100	75.0-129			6.79	20
2,2-Dichloropropane	0.0250	0.0231	0.0244	92.5	97.6	60.0-129			5.46	20
Di-isopropyl ether	0.0250	0.0257	0.0253	103	101	62.0-133			1.59	20

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

(LCS) R3249538-1 09/14/17 18:29 • (LCSD) R3249538-2 09/14/17 18:46

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	0.0227	0.0236	90.7	94.3	77.0-120			3.83	20
n-Hexane	0.0250	0.0223	0.0226	89.2	90.4	57.0-125			1.34	20
2-Hexanone	0.125	0.103	0.104	82.1	83.5	61.0-143			1.68	20
Isopropylbenzene	0.0250	0.0239	0.0244	95.5	97.5	75.0-120			2.11	20
Iodomethane	0.125	0.128	0.129	102	104	67.0-132			1.44	20
p-Isopropyltoluene	0.0250	0.0247	0.0261	99.0	104	74.0-125			5.21	20
2-Butanone (MEK)	0.125	0.0973	0.0946	77.8	75.7	37.0-159			2.73	20
Methylene Chloride	0.0250	0.0248	0.0249	99.3	99.6	67.0-123			0.330	20
4-Methyl-2-pentanone (MIBK)	0.125	0.120	0.123	95.9	98.7	60.0-144			2.89	20
Methyl tert-butyl ether	0.0250	0.0251	0.0256	100	102	66.0-125			2.05	20
Naphthalene	0.0250	0.0239	0.0243	95.7	97.1	64.0-125			1.48	20
n-Propylbenzene	0.0250	0.0244	0.0253	97.7	101	78.0-120			3.39	20
Styrene	0.0250	0.0250	0.0256	99.8	103	78.0-124			2.72	20
1,1,1,2-Tetrachloroethane	0.0250	0.0228	0.0243	91.3	97.2	74.0-124			6.25	20
1,1,2,2-Tetrachloroethane	0.0250	0.0251	0.0257	100	103	73.0-120			2.28	20
Tetrachloroethene	0.0250	0.0227	0.0238	90.9	95.2	70.0-127			4.65	20
Toluene	0.0250	0.0230	0.0240	92.0	95.8	77.0-120			4.07	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0235	0.0244	94.0	97.7	64.0-135			3.84	20
1,2,3-Trichlorobenzene	0.0250	0.0249	0.0248	99.6	99.1	68.0-126			0.540	20
1,2,4-Trichlorobenzene	0.0250	0.0237	0.0244	94.9	97.7	70.0-127			2.86	20
1,1,1-Trichloroethane	0.0250	0.0238	0.0241	95.1	96.3	69.0-125			1.21	20
1,1,2-Trichloroethane	0.0250	0.0226	0.0233	90.5	93.1	78.0-120			2.80	20
Trichloroethene	0.0250	0.0230	0.0233	92.1	93.4	79.0-120			1.35	20
Trichlorofluoromethane	0.0250	0.0250	0.0259	99.9	104	59.0-136			3.64	20
1,2,3-Trichloropropane	0.0250	0.0249	0.0266	99.5	106	73.0-124			6.58	20
1,2,3-Trimethylbenzene	0.0250	0.0229	0.0237	91.7	94.9	76.0-120			3.47	20
1,2,4-Trimethylbenzene	0.0250	0.0245	0.0254	97.9	102	75.0-120			3.81	20
1,3,5-Trimethylbenzene	0.0250	0.0242	0.0255	96.8	102	75.0-120			5.17	20
Vinyl chloride	0.0250	0.0254	0.0255	102	102	63.0-134			0.210	20
Xylenes, Total	0.0750	0.0701	0.0726	93.5	96.8	77.0-120			3.50	20
Vinyl acetate	0.125	0.144	0.142	115	114	58.0-156			0.890	20
(S) Toluene-d8				*98.9*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*104*	*103*	*74.0-131*				
(S) 4-Bromofluorobenzene				*96.8*	*99.0*	*64.0-132*				

L936096-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L936096-01 09/14/17 22:32 • (MS) R3249538-4 09/15/17 01:43 • (MSD) R3249538-5 09/15/17 02:01

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	0.803	0.731	25.7	23.4	25	10.0-160			9.34	36
Acrylonitrile	0.125	U	1.93	1.82	61.7	58.2	25	14.0-160			5.71	33
Benzene	0.0250	U	0.446	0.450	71.3	71.9	25	13.0-146			0.910	27
Bromobenzene	0.0250	U	0.495	0.505	79.3	80.9	25	10.0-149			2.00	33
Bromodichloromethane	0.0250	U	0.415	0.413	66.4	66.1	25	15.0-142			0.380	28
Bromoform	0.0250	U	0.339	0.349	54.2	55.9	25	10.0-147			3.05	31
Bromomethane	0.0250	U	0.285	0.298	45.6	47.6	25	10.0-160			4.44	32
Bromochloromethane	0.0250	U	0.414	0.389	66.2	62.3	25	24.0-146			6.19	27
n-Butylbenzene	0.0250	U	0.522	0.526	83.6	84.1	25	10.0-154			0.620	37
sec-Butylbenzene	0.0250	U	0.511	0.518	81.8	82.9	25	10.0-151			1.32	36
tert-Butylbenzene	0.0250	U	0.513	0.535	82.0	85.6	25	10.0-152			4.24	35
Carbon tetrachloride	0.0250	U	0.398	0.400	63.6	63.9	25	13.0-140			0.470	30
Chlorobenzene	0.0250	U	0.479	0.471	76.7	75.4	25	10.0-149			1.66	31
Chlorodibromomethane	0.0250	U	0.402	0.392	64.4	62.7	25	12.0-147			2.58	29
Carbon disulfide	0.0250	U	0.105	0.106	16.8	16.9	25	10.0-141			0.490	30
Chloroethane	0.0250	U	0.187	0.181	29.9	28.9	25	10.0-159			3.55	33
Chloroform	0.0250	U	0.503	0.482	80.5	77.1	25	18.0-148			4.36	28
Chloromethane	0.0250	U	0.276	0.286	44.1	45.7	25	10.0-146			3.64	29
2-Chlorotoluene	0.0250	U	0.534	0.539	85.5	86.2	25	10.0-151			0.830	35
4-Chlorotoluene	0.0250	U	0.516	0.515	82.5	82.4	25	10.0-150			0.130	35
1,2-Dibromo-3-Chloropropane	0.0250	U	0.382	0.395	61.2	63.2	25	10.0-149			3.25	34
1,2-Dibromoethane	0.0250	U	0.443	0.438	70.8	70.0	25	14.0-145			1.12	28
Dibromomethane	0.0250	U	0.419	0.392	67.0	62.7	25	18.0-144			6.65	27
1,2-Dichlorobenzene	0.0250	U	0.545	0.531	87.2	84.9	25	10.0-153			2.57	34
1,3-Dichlorobenzene	0.0250	U	0.512	0.523	81.9	83.6	25	10.0-150			2.08	35
1,4-Dichlorobenzene	0.0250	U	0.511	0.499	81.8	79.8	25	10.0-148			2.37	34
Dichlorodifluoromethane	0.0250	U	0.387	0.394	61.9	63.0	25	10.0-160			1.85	30
1,1-Dichloroethane	0.0250	U	0.476	0.472	76.2	75.5	25	19.0-148			0.970	28
1,2-Dichloroethane	0.0250	U	0.482	0.471	77.2	75.4	25	17.0-147			2.34	27
trans-1,4-Dichloro-2-butene	0.0250	U	0.454	0.429	72.6	68.6	25	10.0-160			5.71	40
1,1-Dichloroethene	0.0250	U	0.320	0.326	51.3	52.2	25	10.0-150			1.78	31
cis-1,2-Dichloroethene	0.0250	U	0.459	0.415	73.5	66.4	25	16.0-145			10.2	28
trans-1,2-Dichloroethene	0.0250	U	0.376	0.364	60.2	58.3	25	11.0-142			3.28	29
1,2-Dichloropropane	0.0250	U	0.478	0.473	76.4	75.7	25	17.0-148			0.930	28
1,1-Dichloropropene	0.0250	U	0.414	0.422	66.2	67.5	25	10.0-150			1.97	30
1,3-Dichloropropane	0.0250	U	0.479	0.462	76.7	73.9	25	16.0-148			3.61	27
cis-1,3-Dichloropropene	0.0250	U	0.490	0.477	78.4	76.3	25	13.0-150			2.77	28
trans-1,3-Dichloropropene	0.0250	U	0.442	0.439	70.7	70.3	25	10.0-152			0.680	29
2,2-Dichloropropane	0.0250	U	0.414	0.426	66.2	68.1	25	16.0-143			2.88	30
Di-isopropyl ether	0.0250	U	0.488	0.464	78.1	74.2	25	16.0-149			5.08	28

L936096-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L936096-01 09/14/17 22:32 • (MS) R3249538-4 09/15/17 01:43 • (MSD) R3249538-5 09/15/17 02:01

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	0.462	0.444	73.9	71.0	25	10.0-147			4.08	31
Hexachloro-1,3-butadiene	0.0250	U	0.487	0.480	78.0	76.7	25	10.0-154			1.58	40
n-Hexane	0.0250	U	0.224	0.218	35.8	34.9	25	10.0-140			2.52	34
Isopropylbenzene	0.0250	U	0.483	0.496	77.3	79.4	25	10.0-147			2.58	33
2-Hexanone	0.125	U	2.08	2.02	66.5	64.5	25	12.0-158			2.97	30
p-Isopropyltoluene	0.0250	U	0.523	0.532	83.7	85.2	25	10.0-156			1.77	37
2-Butanone (MEK)	0.125	U	1.59	1.39	50.9	44.4	25	10.0-160			13.6	33
Iodomethane	0.125	U	1.93	1.87	61.9	59.8	25	10.0-157			3.36	34
Methylene Chloride	0.0250	U	0.440	0.395	70.4	63.3	25	16.0-139			10.7	29
4-Methyl-2-pentanone (MIBK)	0.125	U	2.49	2.36	79.5	75.7	25	12.0-160			4.98	32
Methyl tert-butyl ether	0.0250	U	0.437	0.398	69.9	63.7	25	21.0-145			9.30	29
Naphthalene	0.0250	U	0.503	0.499	80.5	79.8	25	10.0-153			0.830	36
n-Propylbenzene	0.0250	U	0.499	0.507	79.8	81.2	25	10.0-151			1.63	34
Styrene	0.0250	U	0.511	0.514	81.8	82.3	25	10.0-155			0.600	34
1,1,1,2-Tetrachloroethane	0.0250	U	0.493	0.478	78.9	76.5	25	10.0-147			3.20	30
1,1,2,2-Tetrachloroethane	0.0250	U	0.518	0.499	82.9	79.8	25	10.0-155			3.77	31
Tetrachloroethene	0.0250	U	0.376	0.378	60.2	60.5	25	10.0-144			0.380	32
Toluene	0.0250	U	0.442	0.434	70.7	69.5	25	10.0-144			1.75	28
1,1,2-Trichlorotrifluoroethane	0.0250	U	0.412	0.418	65.9	66.9	25	10.0-153			1.40	33
1,2,3-Trichlorobenzene	0.0250	U	0.536	0.517	85.8	82.7	25	10.0-153			3.75	40
1,2,4-Trichlorobenzene	0.0250	U	0.497	0.509	79.6	81.4	25	10.0-156			2.30	40
1,1,1-Trichloroethane	0.0250	U	0.429	0.417	68.7	66.7	25	18.0-145			3.02	29
1,1,2-Trichloroethane	0.0250	U	0.461	0.458	73.8	73.3	25	12.0-151			0.570	28
Trichloroethene	0.0250	U	0.402	0.423	64.3	67.7	25	11.0-148			5.09	29
Trichlorofluoromethane	0.0250	U	0.408	0.410	65.3	65.7	25	10.0-157			0.510	34
1,2,3-Trichloropropane	0.0250	U	0.537	0.528	85.9	84.4	25	10.0-154			1.71	32
1,2,3-Trimethylbenzene	0.0250	U	0.532	0.513	85.1	82.0	25	10.0-150			3.69	33
1,2,4-Trimethylbenzene	0.0250	U	0.530	0.527	84.7	84.3	25	10.0-151			0.520	34
1,3,5-Trimethylbenzene	0.0250	U	0.510	0.502	81.6	80.3	25	10.0-150			1.61	33
Vinyl chloride	0.0250	U	0.314	0.315	50.2	50.4	25	10.0-150			0.450	29
Xylenes, Total	0.0750	U	1.43	1.38	76.3	73.7	25	10.0-150			3.49	31
Vinyl acetate	0.125	U	2.51	2.49	80.3	79.7	25	10.0-160			0.840	40
(S) Toluene-d8					*103*	*100*		*80.0-120*				
(S) Dibromofluoromethane					*94.1*	*93.2*		*74.0-131*				
(S) 4-Bromofluorobenzene					*95.5*	*99.9*		*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
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.

State Accreditations

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

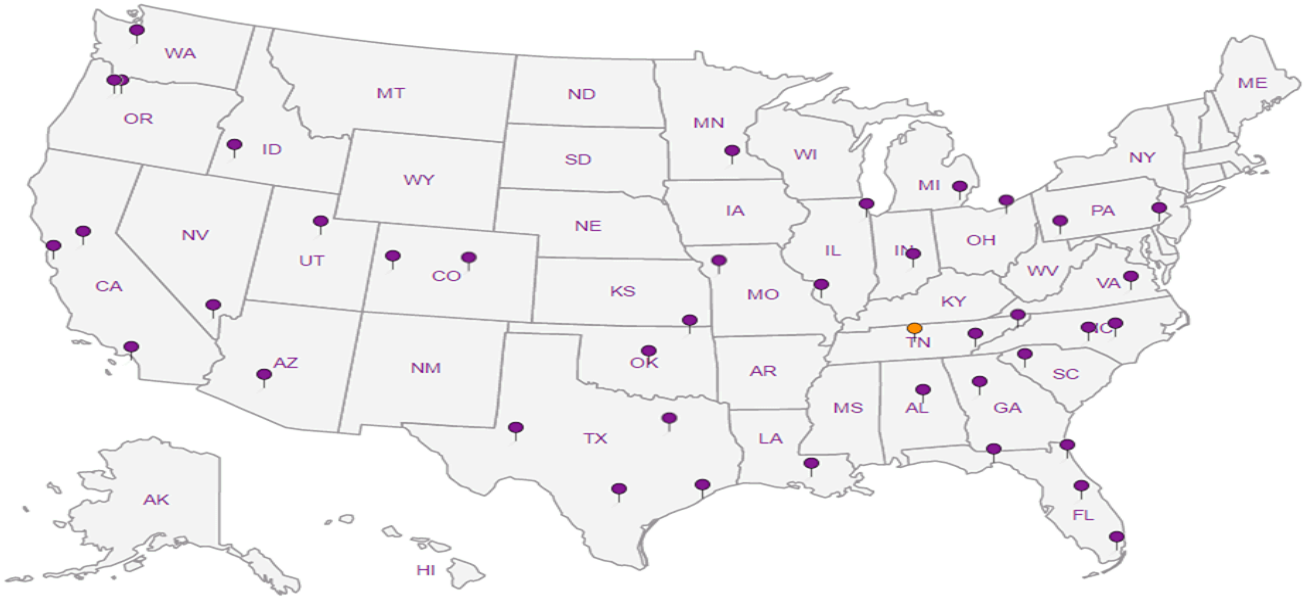
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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**

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

Project Description: **American Linen Project**

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # **PESENVSWA-ALP**

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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 Ctrs	NWTPHGX 2ozClr-NoPres	TS 4ozClr-NoPres / 2ozClr-No Pres.	V826DC 40ml/NaHSO4/Syr/MeOH								Remarks	Sample # (lab only)
B-212-85	GRAB	SS	85	9/11/17	1100	5	X	X	X									-01
B-214-115	"	"	115	"	1110	4		X	X									02
B-214-120	"	"	120	"	1120	3		X	X									03
B-212-95	"	"	95	"	1200	5	X	X	X									04
B-212-100	"	"	100	"	1240	5	X	X	X									05
MW-138-15	"	"	15	9/12/17	1015	5												06
B-215-15	"	"	15	"	1030	5												07
MW-138-25	"	"	25	"	1115	4												08
B-215-25	"	"	25	"	1125	5												09
B-215-35	"	"	35	"	1140	5												10

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

Remarks: MW

pH _____ Temp _____

Flow _____ Other _____

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

Tracking #

Relinquished by : (Signature)

Date: 9/12/17 Time: 1410

Received by: (Signature)

Relinquished by : (Signature)

Date: 9/12/17 Time: 1410

Received by: (Signature)

Relinquished by : (Signature)

Date: Time:

Received for lab by: (Signature)

Trip Blank Received: Yes / (No) HCL / MeoH TBR

Temp: 3.3 °C mLL 50 Bottles Received: 8

Date: 9-13-17 Time: 0845

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 1 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# LG36064

E151

Acctnum: PESENV...
Template: T126584
Prelogin: P615998
TSR: 110 - Brian Ford
PB CM 8-31-17

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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): Kaysha Springstead

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 40mlAmb HCl	TS 2ozClr-NoPres	V8260C 40ml/NaHS04/Syr/MeOH	V8260C 40mlAmb-HCl	VOCs Screen 2ozClr-NoPres	Remarks	Sample # (lab only)
MW-138-35	GRAB	SS	35	9/12/17	1140	5		X	X		X		-11
B-215-45		SS	45		1205	5		X	X		X		12
B-215-55		SS	55		1250	5		X	X		X		13
MW-138-45		SS	45		1255	5		X	X		X		14
MW-138-56		SS	35		1335	5		X	X		X		15
B-215-65		SS	65		1350	5		X	X		X		16
~~TRIPBLANK-091217 B-215-75~~	↓	SS	75	↓	1400	5		X	X		X		17
TRIPBLANK-091217	NA	~~NASS~~	NA	3/27/17	NA	~~1~~		~~X~~	~~X~~	X	~~X~~		18
		SS				5		X	X		X		
		SS				5		X	X		X		

Chain of Custody Page 2 of 2

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L936064

Table #

Acctnum: PESENVSWA
Template: T122259
Prelogin: P596188
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 __ 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)
	9-12-17	1410	
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: 3.3 °C corr 3.0 Bottles Received: 8

Date: 9-13-17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

MEMORANDUM

TO: Project File **DATE:** October 13 and 16, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 11-12, 2017 – Soil Samples

LAB: ESC Lab ID L936064

Seventeen (17) soil samples and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 11-12, 2017. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L936064. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L936064 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 11-12, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 3.3 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved waters from the date of sample 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 soils from the date of sample collection. All holding time criteria were met.

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

- Holding time criteria were not met for soil samples B-212-85, B-212-95, and B-212-100. These soil samples were collected on September 11, 2017 and measured for percent solids on September 19, 2017 which is slightly beyond the recommended seven day hold. No action is taken in this case as samples were appropriately preserved and it is unlikely that the holding time exceedances significantly impact the sample results.

Initial and Continuing Calibration

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, and 2-butanone (MEK) associated with analytical batch WG1020560 (analyzed on September 14, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for chloromethane, trans-1,4-dichloro-2-butene, and di-isopropyl ether associated with analytical batch WG1030390 (analyzed on September 18, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromobenzene, chloroethane, chloromethane, trans-1,4-dichloro-2-butene, n-hexane, 2-butanone (MEK), 1,2,4-trimethylbenzene, and 1,2,3-trimethylbenzene associated with analytical batch WG1020390 (analyzed on September 14, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

NWTPH-Gx Method:
Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) was not detected at or above the RDL.

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:
A trip blank was collected and submitted for VOC analysis. The target analytes were not detected in the trip blank at or above the RDL.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate samples were not collected.

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:
Laboratory duplicate samples were not analyzed. Refer to LCS/LCSDs and MS/MSDs results for precision data on soils and waters.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on client samples B-212-85 B-214-115 and B-215-55. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs, and the method blank 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 soils and waters.

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPDs for the control analyte (gasoline) are within the laboratory control criteria for soils.

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

within one of the analytical batches. Refer to LCS/LCSD results for accuracy and precision on water data and soil data associated with Batch WG1020390. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils.

NWTPH-Gx Method:
MS/MSDs were analyzed by the NWTPH-Gx method on a non-client samples within the analytical batch. The MS/MSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for soils.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Sample B-212-85 was not reanalyzed at a lower dilution for hexachloro-1,3-butadiene as there were no low level sodium bisulfite vials remaining for these samples. No action was taken other than to note this.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	09/19/2017 07:43	WG1021488

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		0.0385	0.113	1	09/15/2017 00:57	WG1020572
(S) a,a,a-Trifluorotoluene(FID)	*90.9*			*77.0-120*		*09/15/2017 00:57*	WG1020572

Volatile Organic Compounds (GC/MS) 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	0.0567	1	09/14/2017 21:58	WG1020560	
Acrylonitrile	U		0.00203	0.0113	1	09/14/2017 21:58	WG1020560	
Benzene	U		0.000306	0.00113	1	09/14/2017 21:58	WG1020560	
Bromobenzene	U		0.000322	0.00113	1	09/14/2017 21:58	WG1020560	
Bromodichloromethane	U		0.000288	0.00113	1	09/14/2017 21:58	WG1020560	
Bromochloromethane	U		0.000443	0.00567	1	09/14/2017 21:58	WG1020560	
Bromoform	U UJ	J0	0.000481	0.00113	1	09/14/2017 21:58	WG1020560	
Bromomethane	U		0.00152	0.00567	1	09/14/2017 21:58	WG1020560	
n-Butylbenzene	U		0.000293	0.00113	1	09/14/2017 21:58	WG1020560	
sec-Butylbenzene	U		0.000228	0.00113	1	09/14/2017 21:58	WG1020560	
tert-Butylbenzene	U		0.000234	0.00113	1	09/14/2017 21:58	WG1020560	
Carbon disulfide	0.000454 J	J	0.000251	0.00113	1	09/14/2017 21:58	WG1020560	
Carbon tetrachloride	U		0.000372	0.00113	1	09/14/2017 21:58	WG1020560	
Chlorobenzene	U		0.000241	0.00113	1	09/14/2017 21:58	WG1020560	
Chlorodibromomethane	U		0.000423	0.00113	1	09/14/2017 21:58	WG1020560	
Chloroethane	U		0.00107	0.00567	1	09/14/2017 21:58	WG1020560	
Chloroform	U		0.000260	0.00567	1	09/14/2017 21:58	WG1020560	
Chloromethane	U		0.000425	0.00284	1	09/14/2017 21:58	WG1020560	
2-Chlorotoluene	U		0.000342	0.00113	1	09/14/2017 21:58	WG1020560	
4-Chlorotoluene	U		0.000272	0.00113	1	09/14/2017 21:58	WG1020560	
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	09/14/2017 21:58	WG1020560	
1,2-Dibromoethane	U		0.000389	0.00113	1	09/14/2017 21:58	WG1020560	
Dibromomethane	U		0.000433	0.00113	1	09/14/2017 21:58	WG1020560	
1,2-Dichlorobenzene	U		0.000346	0.00113	1	09/14/2017 21:58	WG1020560	
1,3-Dichlorobenzene	U		0.000271	0.00113	1	09/14/2017 21:58	WG1020560	
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/14/2017 21:58	WG1020560	
Dichlorodifluoromethane	U		0.000809	0.00567	1	09/14/2017 21:58	WG1020560	
1,1-Dichloroethane	U		0.000226	0.00113	1	09/14/2017 21:58	WG1020560	
1,2-Dichloroethane	U		0.000301	0.00113	1	09/14/2017 21:58	WG1020560	
1,1-Dichloroethene	U		0.000344	0.00113	1	09/14/2017 21:58	WG1020560	
cis-1,2-Dichloroethene	U		0.000267	0.00113	1	09/14/2017 21:58	WG1020560	
trans-1,2-Dichloroethene	U		0.000300	0.00113	1	09/14/2017 21:58	WG1020560	
1,2-Dichloropropane	U		0.000406	0.00113	1	09/14/2017 21:58	WG1020560	
1,1-Dichloropropene	U		0.000360	0.00113	1	09/14/2017 21:58	WG1020560	
1,3-Dichloropropane	U		0.000235	0.00113	1	09/14/2017 21:58	WG1020560	
cis-1,3-Dichloropropene	U		0.000297	0.00113	1	09/14/2017 21:58	WG1020560	
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	09/14/2017 21:58	WG1020560	
trans-1,4-Dichloro-2-butene	U		0.000883	0.00284	1	09/14/2017 21:58	WG1020560	
2,2-Dichloropropane	U		0.000317	0.00113	1	09/14/2017 21:58	WG1020560	
Di-isopropyl ether	U		0.000281	0.00113	1	09/14/2017 21:58	WG1020560	
Ethylbenzene	U		0.000337	0.00113	1	09/14/2017 21:58	WG1020560	
Hexachloro-1,3-butadiene	U		0.00970	0.0284	25	09/15/2017 14:05	WG1020560	
2-Hexanone	U		0.00155	0.0113	1	09/14/2017 21:58	WG1020560	JC 10/16/17
n-Hexane	U		0.000329	0.0113	1	09/14/2017 21:58	WG1020560	

Volatile Organic Compounds (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	09/14/2017 21:58	WG1020560
Isopropylbenzene	U			0.000276	0.00113	1	09/14/2017 21:58	WG1020560
p-Isopropyltoluene	U			0.000231	0.00113	1	09/14/2017 21:58	WG1020560
2-Butanone (MEK)	U	UJ	J0	0.00531	0.0113	1	09/14/2017 21:58	WG1020560
Methylene Chloride	U			0.00113	0.00567	1	09/14/2017 21:58	WG1020560
4-Methyl-2-pentanone (MIBK)	U			0.00213	0.0113	1	09/14/2017 21:58	WG1020560
Methyl tert-butyl ether	U			0.000241	0.00113	1	09/14/2017 21:58	WG1020560
Naphthalene	U			0.00113	0.00567	1	09/14/2017 21:58	WG1020560
n-Propylbenzene	U			0.000234	0.00113	1	09/14/2017 21:58	WG1020560
Styrene	U			0.000266	0.00113	1	09/14/2017 21:58	WG1020560
1,1,1,2-Tetrachloroethane	U			0.000300	0.00113	1	09/14/2017 21:58	WG1020560
1,1,2,2-Tetrachloroethane	U			0.000414	0.00113	1	09/14/2017 21:58	WG1020560
1,1,2-Trichlorotrifluoroethane	U			0.000414	0.00113	1	09/14/2017 21:58	WG1020560
Tetrachloroethene	U			0.000313	0.00113	1	09/14/2017 21:58	WG1020560
Toluene	U			0.000492	0.00567	1	09/14/2017 21:58	WG1020560
1,2,3-Trichlorobenzene	U			0.000347	0.00113	1	09/14/2017 21:58	WG1020560
1,2,4-Trichlorobenzene	U			0.000440	0.00113	1	09/14/2017 21:58	WG1020560
1,1,1-Trichloroethane	U			0.000325	0.00113	1	09/14/2017 21:58	WG1020560
1,1,2-Trichloroethane	U			0.000314	0.00113	1	09/14/2017 21:58	WG1020560
Trichloroethene	U			0.000317	0.00113	1	09/14/2017 21:58	WG1020560
Trichlorofluoromethane	U			0.000433	0.00567	1	09/14/2017 21:58	WG1020560
1,2,3-Trichloropropane	U			0.000841	0.00284	1	09/14/2017 21:58	WG1020560
1,2,4-Trimethylbenzene	U			0.000239	0.00113	1	09/14/2017 21:58	WG1020560
1,2,3-Trimethylbenzene	U			0.000326	0.00113	1	09/14/2017 21:58	WG1020560
1,3,5-Trimethylbenzene	U			0.000302	0.00113	1	09/14/2017 21:58	WG1020560
Vinyl acetate	U			0.00271	0.0113	1	09/14/2017 21:58	WG1020560
Vinyl chloride	U			0.000330	0.00113	1	09/14/2017 21:58	WG1020560
Xylenes, Total	U			0.000792	0.00340	1	09/14/2017 21:58	WG1020560
(S) Toluene-d8	*94.3*				*80.0-120*		*09/14/2017 21:58*	WG1020560
(S) Toluene-d8	*94.2*				*80.0-120*		*09/15/2017 14:05*	WG1020560
(S) Dibromofluoromethane	*94.7*				*74.0-131*		*09/15/2017 14:05*	WG1020560
(S) Dibromofluoromethane	*109*				*74.0-131*		*09/14/2017 21:58*	WG1020560
(S) 4-Bromofluorobenzene	*98.0*				*64.0-132*		*09/14/2017 21:58*	WG1020560
(S) 4-Bromofluorobenzene	*103*				*64.0-132*		*09/15/2017 14:05*	WG1020560

Sample Narrative:

L936064-01 WG1020560: Elevated RL. Reported from MEOH vial. Bisulfates used in previous runs.

JC 10/16/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.0		1	09/16/2017 10:30	WG1021103

Volatile Organic Compounds (GC/MS) 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	0.0610	1	09/14/2017 22:15	WG1020560
Acrylonitrile	U			0.00218	0.0122	1	09/14/2017 22:15	WG1020560
Benzene	U			0.000329	0.00122	1	09/14/2017 22:15	WG1020560
Bromobenzene	U			0.000346	0.00122	1	09/14/2017 22:15	WG1020560
Bromodichloromethane	U			0.000310	0.00122	1	09/14/2017 22:15	WG1020560
Bromochloromethane	U			0.000476	0.00610	1	09/14/2017 22:15	WG1020560
Bromoform	U	UJ	J0	0.000517	0.00122	1	09/14/2017 22:15	WG1020560
Bromomethane	U			0.00163	0.00610	1	09/14/2017 22:15	WG1020560
n-Butylbenzene	U			0.000315	0.00122	1	09/14/2017 22:15	WG1020560
sec-Butylbenzene	U			0.000245	0.00122	1	09/14/2017 22:15	WG1020560
tert-Butylbenzene	U			0.000251	0.00122	1	09/14/2017 22:15	WG1020560
Carbon disulfide	U			0.000270	0.00122	1	09/14/2017 22:15	WG1020560
Carbon tetrachloride	U			0.000400	0.00122	1	09/14/2017 22:15	WG1020560
Chlorobenzene	U			0.000259	0.00122	1	09/14/2017 22:15	WG1020560
Chlorodibromomethane	U			0.000455	0.00122	1	09/14/2017 22:15	WG1020560
Chloroethane	U			0.00115	0.00610	1	09/14/2017 22:15	WG1020560
Chloroform	U			0.000279	0.00610	1	09/14/2017 22:15	WG1020560
Chloromethane	U			0.000457	0.00305	1	09/14/2017 22:15	WG1020560
2-Chlorotoluene	U			0.000367	0.00122	1	09/14/2017 22:15	WG1020560
4-Chlorotoluene	U			0.000293	0.00122	1	09/14/2017 22:15	WG1020560
1,2-Dibromo-3-Chloropropane	U			0.00128	0.00610	1	09/14/2017 22:15	WG1020560
1,2-Dibromoethane	U			0.000418	0.00122	1	09/14/2017 22:15	WG1020560
Dibromomethane	U			0.000466	0.00122	1	09/14/2017 22:15	WG1020560
1,2-Dichlorobenzene	U			0.000372	0.00122	1	09/14/2017 22:15	WG1020560
1,3-Dichlorobenzene	U			0.000292	0.00122	1	09/14/2017 22:15	WG1020560
1,4-Dichlorobenzene	U			0.000276	0.00122	1	09/14/2017 22:15	WG1020560
Dichlorodifluoromethane	U			0.000870	0.00610	1	09/14/2017 22:15	WG1020560
1,1-Dichloroethane	U			0.000243	0.00122	1	09/14/2017 22:15	WG1020560
1,2-Dichloroethane	U			0.000323	0.00122	1	09/14/2017 22:15	WG1020560
1,1-Dichloroethene	U			0.000370	0.00122	1	09/14/2017 22:15	WG1020560
cis-1,2-Dichloroethene	U			0.000287	0.00122	1	09/14/2017 22:15	WG1020560
trans-1,2-Dichloroethene	U			0.000322	0.00122	1	09/14/2017 22:15	WG1020560
1,2-Dichloropropane	U			0.000437	0.00122	1	09/14/2017 22:15	WG1020560
1,1-Dichloropropene	U			0.000387	0.00122	1	09/14/2017 22:15	WG1020560
1,3-Dichloropropane	U			0.000252	0.00122	1	09/14/2017 22:15	WG1020560
cis-1,3-Dichloropropene	U			0.000320	0.00122	1	09/14/2017 22:15	WG1020560
trans-1,3-Dichloropropene	U			0.000326	0.00122	1	09/14/2017 22:15	WG1020560
trans-1,4-Dichloro-2-butene	U			0.000949	0.00305	1	09/14/2017 22:15	WG1020560
2,2-Dichloropropane	U			0.000340	0.00122	1	09/14/2017 22:15	WG1020560
Di-isopropyl ether	U			0.000302	0.00122	1	09/14/2017 22:15	WG1020560
Ethylbenzene	U			0.000362	0.00122	1	09/14/2017 22:15	WG1020560
Hexachloro-1,3-butadiene	U			0.000417	0.00122	1	09/15/2017 14:25	WG1020560
2-Hexanone	U			0.00167	0.0122	1	09/14/2017 22:15	WG1020560
n-Hexane	U			0.000354	0.0122	1	09/14/2017 22:15	WG1020560
Iodomethane	U			0.00309	0.0122	1	09/14/2017 22:15	WG1020560
Isopropylbenzene	U			0.000296	0.00122	1	09/14/2017 22:15	WG1020560
p-Isopropyltoluene	U			0.000249	0.00122	1	09/14/2017 22:15	WG1020560
2-Butanone (MEK)	U	UJ	J0	0.00571	0.0122	1	09/14/2017 22:15	WG1020560
Methylene Chloride	U			0.00122	0.00610	1	09/14/2017 22:15	WG1020560
4-Methyl-2-pentanone (MIBK)	U			0.00229	0.0122	1	09/14/2017 22:15	WG1020560

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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		0.000259	0.00122	1	09/14/2017 22:15	WG1020560
Naphthalene	U		0.00122	0.00610	1	09/14/2017 22:15	WG1020560
n-Propylbenzene	U		0.000251	0.00122	1	09/14/2017 22:15	WG1020560
Styrene	U		0.000285	0.00122	1	09/14/2017 22:15	WG1020560
1,1,1,2-Tetrachloroethane	U		0.000322	0.00122	1	09/14/2017 22:15	WG1020560
1,1,2,2-Tetrachloroethane	U		0.000445	0.00122	1	09/14/2017 22:15	WG1020560
1,1,2-Trichlorotrifluoroethane	U		0.000445	0.00122	1	09/14/2017 22:15	WG1020560
Tetrachloroethene	U		0.000337	0.00122	1	09/14/2017 22:15	WG1020560
Toluene	U		0.000529	0.00610	1	09/14/2017 22:15	WG1020560
1,2,3-Trichlorobenzene	U		0.000373	0.00122	1	09/14/2017 22:15	WG1020560
1,2,4-Trichlorobenzene	U		0.000473	0.00122	1	09/14/2017 22:15	WG1020560
1,1,1-Trichloroethane	U		0.000349	0.00122	1	09/14/2017 22:15	WG1020560
1,1,2-Trichloroethane	U		0.000338	0.00122	1	09/14/2017 22:15	WG1020560
Trichloroethene	U		0.000340	0.00122	1	09/14/2017 22:15	WG1020560
Trichlorofluoromethane	U		0.000466	0.00610	1	09/14/2017 22:15	WG1020560
1,2,3-Trichloropropane	U		0.000904	0.00305	1	09/14/2017 22:15	WG1020560
1,2,4-Trimethylbenzene	U		0.000257	0.00122	1	09/14/2017 22:15	WG1020560
1,2,3-Trimethylbenzene	U		0.000350	0.00122	1	09/14/2017 22:15	WG1020560
1,3,5-Trimethylbenzene	U		0.000324	0.00122	1	09/14/2017 22:15	WG1020560
Vinyl acetate	U		0.00292	0.0122	1	09/14/2017 22:15	WG1020560
Vinyl chloride	U		0.000355	0.00122	1	09/14/2017 22:15	WG1020560
Xylenes, Total	U		0.000851	0.00366	1	09/14/2017 22:15	WG1020560
(S) Toluene-d8	*95.3*			*80.0-120*		*09/14/2017 22:15*	WG1020560
(S) Toluene-d8	*107*			*80.0-120*		*09/15/2017 14:25*	WG1020560
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/14/2017 22:15*	WG1020560
(S) Dibromofluoromethane	*92.5*			*74.0-131*		*09/15/2017 14:25*	WG1020560
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/15/2017 14:25*	WG1020560
(S) 4-Bromofluorobenzene	*96.5*			*64.0-132*		*09/14/2017 22:15*	WG1020560

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	09/16/2017 10:30	WG1021103

Volatile Organic Compounds (GC/MS) 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	09/18/2017 16:01	WG1020390
Acrylonitrile	U			0.00211	0.0118	1	09/18/2017 16:01	WG1020390
Benzene	U			0.000319	0.00118	1	09/18/2017 16:01	WG1020390
Bromobenzene	U			0.000335	0.00118	1	09/18/2017 16:01	WG1020390
Bromodichloromethane	U			0.000300	0.00118	1	09/18/2017 16:01	WG1020390
Bromochloromethane	U			0.000461	0.00590	1	09/18/2017 16:01	WG1020390
Bromoform	U			0.000501	0.00118	1	09/18/2017 16:01	WG1020390
Bromomethane	U			0.00158	0.00590	1	09/18/2017 16:01	WG1020390
n-Butylbenzene	U			0.000305	0.00118	1	09/18/2017 16:01	WG1020390
sec-Butylbenzene	U			0.000237	0.00118	1	09/18/2017 16:01	WG1020390
tert-Butylbenzene	U			0.000243	0.00118	1	09/18/2017 16:01	WG1020390
Carbon disulfide	U			0.000261	0.00118	1	09/18/2017 16:01	WG1020390
Carbon tetrachloride	U			0.000387	0.00118	1	09/18/2017 16:01	WG1020390
Chlorobenzene	U			0.000250	0.00118	1	09/18/2017 16:01	WG1020390
Chlorodibromomethane	U			0.000440	0.00118	1	09/18/2017 16:01	WG1020390
Chloroethane	U			0.00112	0.00590	1	09/18/2017 16:01	WG1020390
Chloroform	U			0.000270	0.00590	1	09/18/2017 16:01	WG1020390
Chloromethane	U	UJ	J0	0.000443	0.00295	1	09/18/2017 16:01	WG1020390
2-Chlorotoluene	U			0.000355	0.00118	1	09/18/2017 16:01	WG1020390
4-Chlorotoluene	U			0.000283	0.00118	1	09/18/2017 16:01	WG1020390
1,2-Dibromo-3-Chloropropane	U			0.00124	0.00590	1	09/18/2017 16:01	WG1020390
1,2-Dibromoethane	U			0.000405	0.00118	1	09/18/2017 16:01	WG1020390
Dibromomethane	U			0.000451	0.00118	1	09/18/2017 16:01	WG1020390
1,2-Dichlorobenzene	U			0.000360	0.00118	1	09/18/2017 16:01	WG1020390
1,3-Dichlorobenzene	U			0.000282	0.00118	1	09/18/2017 16:01	WG1020390
1,4-Dichlorobenzene	U			0.000267	0.00118	1	09/18/2017 16:01	WG1020390
Dichlorodifluoromethane	U			0.000842	0.00590	1	09/18/2017 16:01	WG1020390
1,1-Dichloroethane	U			0.000235	0.00118	1	09/18/2017 16:01	WG1020390
1,2-Dichloroethane	U			0.000313	0.00118	1	09/18/2017 16:01	WG1020390
1,1-Dichloroethene	U			0.000358	0.00118	1	09/18/2017 16:01	WG1020390
cis-1,2-Dichloroethene	U			0.000278	0.00118	1	09/18/2017 16:01	WG1020390
trans-1,2-Dichloroethene	U			0.000312	0.00118	1	09/18/2017 16:01	WG1020390
1,2-Dichloropropane	U			0.000423	0.00118	1	09/18/2017 16:01	WG1020390
1,1-Dichloropropene	U			0.000374	0.00118	1	09/18/2017 16:01	WG1020390
1,3-Dichloropropane	U			0.000244	0.00118	1	09/18/2017 16:01	WG1020390
cis-1,3-Dichloropropene	U			0.000309	0.00118	1	09/18/2017 16:01	WG1020390
trans-1,3-Dichloropropene	U			0.000315	0.00118	1	09/18/2017 16:01	WG1020390
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000919	0.00295	1	09/18/2017 16:01	WG1020390
2,2-Dichloropropane	U			0.000329	0.00118	1	09/18/2017 16:01	WG1020390
Di-isopropyl ether	U	UJ	J0	0.000293	0.00118	1	09/18/2017 16:01	WG1020390
Ethylbenzene	U			0.000351	0.00118	1	09/18/2017 16:01	WG1020390
Hexachloro-1,3-butadiene	U			0.000404	0.00118	1	09/18/2017 16:01	WG1020390
2-Hexanone	U			0.00162	0.0118	1	09/18/2017 16:01	WG1020390
n-Hexane	U			0.000342	0.0118	1	09/18/2017 16:01	WG1020390
Iodomethane	U			0.00299	0.0118	1	09/18/2017 16:01	WG1020390
Isopropylbenzene	U			0.000287	0.00118	1	09/18/2017 16:01	WG1020390
p-Isopropyltoluene	U			0.000241	0.00118	1	09/18/2017 16:01	WG1020390
2-Butanone (MEK)	U			0.00553	0.0118	1	09/18/2017 16:01	WG1020390
Methylene Chloride	U			0.00118	0.00590	1	09/18/2017 16:01	WG1020390
4-Methyl-2-pentanone (MIBK)	U			0.00222	0.0118	1	09/18/2017 16:01	WG1020390

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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		0.000250	0.00118	1	09/18/2017 16:01	WG1020390
Naphthalene	U		0.00118	0.00590	1	09/18/2017 16:01	WG1020390
n-Propylbenzene	U		0.000243	0.00118	1	09/18/2017 16:01	WG1020390
Styrene	U		0.000276	0.00118	1	09/18/2017 16:01	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	09/18/2017 16:01	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	09/18/2017 16:01	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	09/18/2017 16:01	WG1020390
Tetrachloroethene	U		0.000326	0.00118	1	09/18/2017 16:01	WG1020390
Toluene	U		0.000513	0.00590	1	09/18/2017 16:01	WG1020390
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	09/18/2017 16:01	WG1020390
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	09/18/2017 16:01	WG1020390
1,1,1-Trichloroethane	U		0.000338	0.00118	1	09/18/2017 16:01	WG1020390
1,1,2-Trichloroethane	U		0.000327	0.00118	1	09/18/2017 16:01	WG1020390
Trichloroethene	U		0.000329	0.00118	1	09/18/2017 16:01	WG1020390
Trichlorofluoromethane	U		0.000451	0.00590	1	09/18/2017 16:01	WG1020390
1,2,3-Trichloropropane	U		0.000875	0.00295	1	09/18/2017 16:01	WG1020390
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	09/18/2017 16:01	WG1020390
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	09/18/2017 16:01	WG1020390
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	09/18/2017 16:01	WG1020390
Vinyl acetate	U		0.00282	0.0118	1	09/18/2017 16:01	WG1020390
Vinyl chloride	U		0.000344	0.00118	1	09/18/2017 16:01	WG1020390
Xylenes, Total	U		0.000824	0.00354	1	09/18/2017 16:01	WG1020390
(S) Toluene-d8	*106*			*80.0-120*		*09/18/2017 16:01*	WG1020390
(S) Dibromofluoromethane	*99.9*			*74.0-131*		*09/18/2017 16:01*	WG1020390
(S) 4-Bromofluorobenzene	*99.0*			*64.0-132*		*09/18/2017 16:01*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.3		1	09/19/2017 07:43	WG1021488

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		0.0422	0.125	1	09/15/2017 01:19	WG1020572
(S) a,a,a-Trifluorotoluene(FID)	*91.0*			*77.0-120*		*09/15/2017 01:19*	WG1020572

Volatile Organic Compounds (GC/MS) 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	0.0131	0.0654	1.05	09/14/2017 16:15	WG1020390
Acrylonitrile	U			0.00234	0.0131	1.05	09/14/2017 16:15	WG1020390
Benzene	U			0.000354	0.00131	1.05	09/14/2017 16:15	WG1020390
Bromobenzene	U	UJ	J0	0.000371	0.00131	1.05	09/14/2017 16:15	WG1020390
Bromodichloromethane	U			0.000333	0.00131	1.05	09/14/2017 16:15	WG1020390
Bromochloromethane	U			0.000511	0.00654	1.05	09/14/2017 16:15	WG1020390
Bromoform	U			0.000554	0.00131	1.05	09/14/2017 16:15	WG1020390
Bromomethane	U			0.00176	0.00654	1.05	09/14/2017 16:15	WG1020390
n-Butylbenzene	U			0.000337	0.00131	1.05	09/14/2017 16:15	WG1020390
sec-Butylbenzene	U			0.000263	0.00131	1.05	09/14/2017 16:15	WG1020390
tert-Butylbenzene	U			0.000269	0.00131	1.05	09/14/2017 16:15	WG1020390
Carbon disulfide	U			0.000289	0.00131	1.05	09/14/2017 16:15	WG1020390
Carbon tetrachloride	U			0.000428	0.00131	1.05	09/14/2017 16:15	WG1020390
Chlorobenzene	U			0.000278	0.00131	1.05	09/14/2017 16:15	WG1020390
Chlorodibromomethane	U			0.000488	0.00131	1.05	09/14/2017 16:15	WG1020390
Chloroethane	U	UJ	J0	0.00124	0.00654	1.05	09/14/2017 16:15	WG1020390
Chloroform	U			0.000299	0.00654	1.05	09/14/2017 16:15	WG1020390
Chloromethane	U	UJ	J0	0.000491	0.00327	1.05	09/14/2017 16:15	WG1020390
2-Chlorotoluene	U			0.000394	0.00131	1.05	09/14/2017 16:15	WG1020390
4-Chlorotoluene	U			0.000314	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2-Dibromo-3-Chloropropane	U			0.00137	0.00654	1.05	09/14/2017 16:15	WG1020390
1,2-Dibromoethane	U			0.000448	0.00131	1.05	09/14/2017 16:15	WG1020390
Dibromomethane	U			0.000499	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2-Dichlorobenzene	U			0.000399	0.00131	1.05	09/14/2017 16:15	WG1020390
1,3-Dichlorobenzene	U			0.000313	0.00131	1.05	09/14/2017 16:15	WG1020390
1,4-Dichlorobenzene	U			0.000295	0.00131	1.05	09/14/2017 16:15	WG1020390
Dichlorodifluoromethane	U			0.000933	0.00654	1.05	09/14/2017 16:15	WG1020390
1,1-Dichloroethane	U			0.000260	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2-Dichloroethane	U			0.000346	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1-Dichloroethene	U			0.000396	0.00131	1.05	09/14/2017 16:15	WG1020390
cis-1,2-Dichloroethene	U			0.000308	0.00131	1.05	09/14/2017 16:15	WG1020390
trans-1,2-Dichloroethene	U			0.000345	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2-Dichloropropane	U			0.000468	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1-Dichloropropene	U			0.000415	0.00131	1.05	09/14/2017 16:15	WG1020390
1,3-Dichloropropane	U			0.000270	0.00131	1.05	09/14/2017 16:15	WG1020390
cis-1,3-Dichloropropene	U			0.000342	0.00131	1.05	09/14/2017 16:15	WG1020390
trans-1,3-Dichloropropene	U			0.000349	0.00131	1.05	09/14/2017 16:15	WG1020390
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.00102	0.00327	1.05	09/14/2017 16:15	WG1020390
2,2-Dichloropropane	U			0.000365	0.00131	1.05	09/14/2017 16:15	WG1020390
Di-isopropyl ether	U			0.000324	0.00131	1.05	09/14/2017 16:15	WG1020390
Ethylbenzene	U			0.000389	0.00131	1.05	09/14/2017 16:15	WG1020390
Hexachloro-1,3-butadiene	U			0.000447	0.00131	1.05	09/14/2017 16:15	WG1020390
2-Hexanone	U			0.00179	0.0131	1.05	09/14/2017 16:15	WG1020390
n-Hexane	U	UJ	J0	0.000379	0.0131	1.05	09/14/2017 16:15	WG1020390

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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		0.00331	0.0131	1.05	09/14/2017 16:15	WG1020390
Isopropylbenzene	U		0.000318	0.00131	1.05	09/14/2017 16:15	WG1020390
p-Isopropyltoluene	U		0.000267	0.00131	1.05	09/14/2017 16:15	WG1020390
2-Butanone (MEK)	U	UJ J0	0.00611	0.0131	1.05	09/14/2017 16:15	WG1020390
Methylene Chloride	U		0.00131	0.00654	1.05	09/14/2017 16:15	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00245	0.0131	1.05	09/14/2017 16:15	WG1020390
Methyl tert-butyl ether	U		0.000278	0.00131	1.05	09/14/2017 16:15	WG1020390
Naphthalene	U		0.00131	0.00654	1.05	09/14/2017 16:15	WG1020390
n-Propylbenzene	U		0.000269	0.00131	1.05	09/14/2017 16:15	WG1020390
Styrene	U		0.000306	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000345	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000477	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000477	0.00131	1.05	09/14/2017 16:15	WG1020390
Tetrachloroethene	U		0.000361	0.00131	1.05	09/14/2017 16:15	WG1020390
Toluene	U		0.000568	0.00654	1.05	09/14/2017 16:15	WG1020390
1,2,3-Trichlorobenzene	U		0.000400	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2,4-Trichlorobenzene	U		0.000507	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,1-Trichloroethane	U		0.000374	0.00131	1.05	09/14/2017 16:15	WG1020390
1,1,2-Trichloroethane	U		0.000362	0.00131	1.05	09/14/2017 16:15	WG1020390
Trichloroethene	U		0.000365	0.00131	1.05	09/14/2017 16:15	WG1020390
Trichlorofluoromethane	U		0.000499	0.00654	1.05	09/14/2017 16:15	WG1020390
1,2,3-Trichloropropane	U		0.000969	0.00327	1.05	09/14/2017 16:15	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000276	0.00131	1.05	09/14/2017 16:15	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000375	0.00131	1.05	09/14/2017 16:15	WG1020390
1,3,5-Trimethylbenzene	U		0.000347	0.00131	1.05	09/14/2017 16:15	WG1020390
Vinyl acetate	U		0.00313	0.0131	1.05	09/14/2017 16:15	WG1020390
Vinyl chloride	U		0.000381	0.00131	1.05	09/14/2017 16:15	WG1020390
Xylenes, Total	U		0.000913	0.00392	1.05	09/14/2017 16:15	WG1020390
(S) Toluene-d8	*94.9*			*80.0-120*		*09/14/2017 16:15*	WG1020390
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/14/2017 16:15*	WG1020390
(S) 4-Bromofluorobenzene	*89.2*			*64.0-132*		*09/14/2017 16:15*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.9		1	09/19/2017 07:43	WG1021488

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		0.0409	0.121	1	09/15/2017 01:41	WG1020572
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*77.0-120*		*09/15/2017 01:41*	WG1020572

Volatile Organic Compounds (GC/MS) 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	0.0603	1	09/14/2017 16:36	WG1020390
Acrylonitrile	U			0.00216	0.0121	1	09/14/2017 16:36	WG1020390
Benzene	U			0.000326	0.00121	1	09/14/2017 16:36	WG1020390
Bromobenzene	U	UJ	J0	0.000343	0.00121	1	09/14/2017 16:36	WG1020390
Bromodichloromethane	U			0.000307	0.00121	1	09/14/2017 16:36	WG1020390
Bromochloromethane	U			0.000471	0.00603	1	09/14/2017 16:36	WG1020390
Bromoform	U			0.000512	0.00121	1	09/14/2017 16:36	WG1020390
Bromomethane	U			0.00162	0.00603	1	09/14/2017 16:36	WG1020390
n-Butylbenzene	U			0.000311	0.00121	1	09/14/2017 16:36	WG1020390
sec-Butylbenzene	U			0.000243	0.00121	1	09/14/2017 16:36	WG1020390
tert-Butylbenzene	U			0.000249	0.00121	1	09/14/2017 16:36	WG1020390
Carbon disulfide	U			0.000267	0.00121	1	09/14/2017 16:36	WG1020390
Carbon tetrachloride	U			0.000396	0.00121	1	09/14/2017 16:36	WG1020390
Chlorobenzene	U			0.000256	0.00121	1	09/14/2017 16:36	WG1020390
Chlorodibromomethane	U			0.000450	0.00121	1	09/14/2017 16:36	WG1020390
Chloroethane	U	UJ	J0	0.00114	0.00603	1	09/14/2017 16:36	WG1020390
Chloroform	U			0.000276	0.00603	1	09/14/2017 16:36	WG1020390
Chloromethane	U	UJ	J0	0.000453	0.00302	1	09/14/2017 16:36	WG1020390
2-Chlorotoluene	U			0.000363	0.00121	1	09/14/2017 16:36	WG1020390
4-Chlorotoluene	U			0.000290	0.00121	1	09/14/2017 16:36	WG1020390
1,2-Dibromo-3-Chloropropane	U			0.00127	0.00603	1	09/14/2017 16:36	WG1020390
1,2-Dibromoethane	U			0.000414	0.00121	1	09/14/2017 16:36	WG1020390
Dibromomethane	U			0.000461	0.00121	1	09/14/2017 16:36	WG1020390
1,2-Dichlorobenzene	U			0.000368	0.00121	1	09/14/2017 16:36	WG1020390
1,3-Dichlorobenzene	U			0.000288	0.00121	1	09/14/2017 16:36	WG1020390
1,4-Dichlorobenzene	U			0.000273	0.00121	1	09/14/2017 16:36	WG1020390
Dichlorodifluoromethane	U			0.000860	0.00603	1	09/14/2017 16:36	WG1020390
1,1-Dichloroethane	U			0.000240	0.00121	1	09/14/2017 16:36	WG1020390
1,2-Dichloroethane	U			0.000320	0.00121	1	09/14/2017 16:36	WG1020390
1,1-Dichloroethene	U			0.000366	0.00121	1	09/14/2017 16:36	WG1020390
cis-1,2-Dichloroethene	U			0.000284	0.00121	1	09/14/2017 16:36	WG1020390
trans-1,2-Dichloroethene	U			0.000319	0.00121	1	09/14/2017 16:36	WG1020390
1,2-Dichloropropane	U			0.000432	0.00121	1	09/14/2017 16:36	WG1020390
1,1-Dichloropropene	U			0.000383	0.00121	1	09/14/2017 16:36	WG1020390
1,3-Dichloropropane	U			0.000250	0.00121	1	09/14/2017 16:36	WG1020390
cis-1,3-Dichloropropene	U			0.000316	0.00121	1	09/14/2017 16:36	WG1020390
trans-1,3-Dichloropropene	U			0.000322	0.00121	1	09/14/2017 16:36	WG1020390
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000939	0.00302	1	09/14/2017 16:36	WG1020390
2,2-Dichloropropane	U			0.000337	0.00121	1	09/14/2017 16:36	WG1020390
Di-isopropyl ether	U			0.000299	0.00121	1	09/14/2017 16:36	WG1020390
Ethylbenzene	U			0.000358	0.00121	1	09/14/2017 16:36	WG1020390
Hexachloro-1,3-butadiene	U			0.000413	0.00121	1	09/14/2017 16:36	WG1020390
2-Hexanone	U			0.00165	0.0121	1	09/14/2017 16:36	WG1020390
n-Hexane	U	UJ	J0	0.000350	0.0121	1	09/14/2017 16:36	WG1020390

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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		0.00305	0.0121	1	09/14/2017 16:36	WG1020390
Isopropylbenzene	U		0.000293	0.00121	1	09/14/2017 16:36	WG1020390
p-Isopropyltoluene	U		0.000246	0.00121	1	09/14/2017 16:36	WG1020390
2-Butanone (MEK)	U	UJ J0	0.00565	0.0121	1	09/14/2017 16:36	WG1020390
Methylene Chloride	U		0.00121	0.00603	1	09/14/2017 16:36	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	09/14/2017 16:36	WG1020390
Methyl tert-butyl ether	U		0.000256	0.00121	1	09/14/2017 16:36	WG1020390
Naphthalene	U		0.00121	0.00603	1	09/14/2017 16:36	WG1020390
n-Propylbenzene	U		0.000249	0.00121	1	09/14/2017 16:36	WG1020390
Styrene	U		0.000282	0.00121	1	09/14/2017 16:36	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000319	0.00121	1	09/14/2017 16:36	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000440	0.00121	1	09/14/2017 16:36	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00121	1	09/14/2017 16:36	WG1020390
Tetrachloroethene	U		0.000333	0.00121	1	09/14/2017 16:36	WG1020390
Toluene	U		0.000524	0.00603	1	09/14/2017 16:36	WG1020390
1,2,3-Trichlorobenzene	U		0.000369	0.00121	1	09/14/2017 16:36	WG1020390
1,2,4-Trichlorobenzene	U		0.000468	0.00121	1	09/14/2017 16:36	WG1020390
1,1,1-Trichloroethane	U		0.000345	0.00121	1	09/14/2017 16:36	WG1020390
1,1,2-Trichloroethane	U		0.000334	0.00121	1	09/14/2017 16:36	WG1020390
Trichloroethene	U		0.000337	0.00121	1	09/14/2017 16:36	WG1020390
Trichlorofluoromethane	U		0.000461	0.00603	1	09/14/2017 16:36	WG1020390
1,2,3-Trichloropropane	U		0.000894	0.00302	1	09/14/2017 16:36	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000255	0.00121	1	09/14/2017 16:36	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000346	0.00121	1	09/14/2017 16:36	WG1020390
1,3,5-Trimethylbenzene	U		0.000321	0.00121	1	09/14/2017 16:36	WG1020390
Vinyl acetate	U		0.00288	0.0121	1	09/14/2017 16:36	WG1020390
Vinyl chloride	U		0.000351	0.00121	1	09/14/2017 16:36	WG1020390
Xylenes, Total	U		0.000842	0.00362	1	09/14/2017 16:36	WG1020390
(S) Toluene-d8	*99.0*			*80.0-120*		*09/14/2017 16:36*	WG1020390
(S) Dibromofluoromethane	*97.6*			*74.0-131*		*09/14/2017 16:36*	WG1020390
(S) 4-Bromofluorobenzene	*83.9*			*64.0-132*		*09/14/2017 16:36*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0594	1	09/14/2017 16:56	WG1020390
Acrylonitrile	U		0.00213	0.0119	1	09/14/2017 16:56	WG1020390
Benzene	U		0.000321	0.00119	1	09/14/2017 16:56	WG1020390
Bromobenzene	U UJ	J0	0.000338	0.00119	1	09/14/2017 16:56	WG1020390
Bromodichloromethane	U		0.000302	0.00119	1	09/14/2017 16:56	WG1020390
Bromochloromethane	U		0.000464	0.00594	1	09/14/2017 16:56	WG1020390
Bromoform	U		0.000504	0.00119	1	09/14/2017 16:56	WG1020390
Bromomethane	U		0.00159	0.00594	1	09/14/2017 16:56	WG1020390
n-Butylbenzene	U		0.000307	0.00119	1	09/14/2017 16:56	WG1020390
sec-Butylbenzene	U		0.000239	0.00119	1	09/14/2017 16:56	WG1020390
tert-Butylbenzene	U		0.000245	0.00119	1	09/14/2017 16:56	WG1020390
Carbon disulfide	U		0.000263	0.00119	1	09/14/2017 16:56	WG1020390
Carbon tetrachloride	U		0.000390	0.00119	1	09/14/2017 16:56	WG1020390
Chlorobenzene	U		0.000252	0.00119	1	09/14/2017 16:56	WG1020390
Chlorodibromomethane	U		0.000443	0.00119	1	09/14/2017 16:56	WG1020390
Chloroethane	U UJ	J0	0.00112	0.00594	1	09/14/2017 16:56	WG1020390
Chloroform	U		0.000272	0.00594	1	09/14/2017 16:56	WG1020390
Chloromethane	U UJ	J0	0.000446	0.00297	1	09/14/2017 16:56	WG1020390
2-Chlorotoluene	U		0.000358	0.00119	1	09/14/2017 16:56	WG1020390
4-Chlorotoluene	U		0.000285	0.00119	1	09/14/2017 16:56	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00594	1	09/14/2017 16:56	WG1020390
1,2-Dibromoethane	U		0.000408	0.00119	1	09/14/2017 16:56	WG1020390
Dibromomethane	U		0.000454	0.00119	1	09/14/2017 16:56	WG1020390
1,2-Dichlorobenzene	U		0.000363	0.00119	1	09/14/2017 16:56	WG1020390
1,3-Dichlorobenzene	U		0.000284	0.00119	1	09/14/2017 16:56	WG1020390
1,4-Dichlorobenzene	U		0.000269	0.00119	1	09/14/2017 16:56	WG1020390
Dichlorodifluoromethane	U		0.000848	0.00594	1	09/14/2017 16:56	WG1020390
1,1-Dichloroethane	U		0.000237	0.00119	1	09/14/2017 16:56	WG1020390
1,2-Dichloroethane	U		0.000315	0.00119	1	09/14/2017 16:56	WG1020390
1,1-Dichloroethene	U		0.000360	0.00119	1	09/14/2017 16:56	WG1020390
cis-1,2-Dichloroethene	U		0.000279	0.00119	1	09/14/2017 16:56	WG1020390
trans-1,2-Dichloroethene	U		0.000314	0.00119	1	09/14/2017 16:56	WG1020390
1,2-Dichloropropane	U		0.000426	0.00119	1	09/14/2017 16:56	WG1020390
1,1-Dichloropropene	U		0.000377	0.00119	1	09/14/2017 16:56	WG1020390
1,3-Dichloropropane	U		0.000246	0.00119	1	09/14/2017 16:56	WG1020390
cis-1,3-Dichloropropene	U		0.000311	0.00119	1	09/14/2017 16:56	WG1020390
trans-1,3-Dichloropropene	U		0.000317	0.00119	1	09/14/2017 16:56	WG1020390
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000925	0.00297	1	09/14/2017 16:56	WG1020390
2,2-Dichloropropane	U		0.000332	0.00119	1	09/14/2017 16:56	WG1020390
Di-isopropyl ether	U		0.000295	0.00119	1	09/14/2017 16:56	WG1020390
Ethylbenzene	U		0.000353	0.00119	1	09/14/2017 16:56	WG1020390
Hexachloro-1,3-butadiene	U		0.000407	0.00119	1	09/14/2017 16:56	WG1020390
2-Hexanone	U		0.00163	0.0119	1	09/14/2017 16:56	WG1020390
n-Hexane	U UJ	J0	0.000345	0.0119	1	09/14/2017 16:56	WG1020390
Iodomethane	U		0.00301	0.0119	1	09/14/2017 16:56	WG1020390
Isopropylbenzene	U		0.000289	0.00119	1	09/14/2017 16:56	WG1020390
p-Isopropyltoluene	U		0.000243	0.00119	1	09/14/2017 16:56	WG1020390
2-Butanone (MEK)	U UJ	J0	0.00556	0.0119	1	09/14/2017 16:56	WG1020390
Methylene Chloride	U		0.00119	0.00594	1	09/14/2017 16:56	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00223	0.0119	1	09/14/2017 16:56	WG1020390

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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		0.000252	0.00119	1	09/14/2017 16:56	WG1020390
Naphthalene	U		0.00119	0.00594	1	09/14/2017 16:56	WG1020390
n-Propylbenzene	U		0.000245	0.00119	1	09/14/2017 16:56	WG1020390
Styrene	U		0.000278	0.00119	1	09/14/2017 16:56	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000314	0.00119	1	09/14/2017 16:56	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000434	0.00119	1	09/14/2017 16:56	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000434	0.00119	1	09/14/2017 16:56	WG1020390
Tetrachloroethene	U		0.000328	0.00119	1	09/14/2017 16:56	WG1020390
Toluene	U		0.000516	0.00594	1	09/14/2017 16:56	WG1020390
1,2,3-Trichlorobenzene	U		0.000364	0.00119	1	09/14/2017 16:56	WG1020390
1,2,4-Trichlorobenzene	U		0.000461	0.00119	1	09/14/2017 16:56	WG1020390
1,1,1-Trichloroethane	U		0.000340	0.00119	1	09/14/2017 16:56	WG1020390
1,1,2-Trichloroethane	U		0.000329	0.00119	1	09/14/2017 16:56	WG1020390
Trichloroethene	U		0.000332	0.00119	1	09/14/2017 16:56	WG1020390
Trichlorofluoromethane	U		0.000454	0.00594	1	09/14/2017 16:56	WG1020390
1,2,3-Trichloropropane	U		0.000881	0.00297	1	09/14/2017 16:56	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000251	0.00119	1	09/14/2017 16:56	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000341	0.00119	1	09/14/2017 16:56	WG1020390
1,3,5-Trimethylbenzene	U		0.000316	0.00119	1	09/14/2017 16:56	WG1020390
Vinyl acetate	U		0.00284	0.0119	1	09/14/2017 16:56	WG1020390
Vinyl chloride	U		0.000346	0.00119	1	09/14/2017 16:56	WG1020390
Xylenes, Total	U		0.000830	0.00357	1	09/14/2017 16:56	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/14/2017 16:56*	WG1020390
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*09/14/2017 16:56*	WG1020390
(S) 4-Bromofluorobenzene	*84.8*			*64.0-132*		*09/14/2017 16:56*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	09/14/2017 17:17	WG1020390	
Acrylonitrile	U		0.00194	0.0108	1	09/14/2017 17:17	WG1020390	
Benzene	U		0.000293	0.00108	1	09/14/2017 17:17	WG1020390	
Bromobenzene	U UJ	J0	0.000308	0.00108	1	09/14/2017 17:17	WG1020390	
Bromodichloromethane	U		0.000275	0.00108	1	09/14/2017 17:17	WG1020390	
Bromochloromethane	U		0.000423	0.00542	1	09/14/2017 17:17	WG1020390	
Bromoform	U		0.000460	0.00108	1	09/14/2017 17:17	WG1020390	
Bromomethane	U		0.00145	0.00542	1	09/14/2017 17:17	WG1020390	
n-Butylbenzene	U		0.000280	0.00108	1	09/14/2017 17:17	WG1020390	
sec-Butylbenzene	U		0.000218	0.00108	1	09/14/2017 17:17	WG1020390	
tert-Butylbenzene	U		0.000223	0.00108	1	09/14/2017 17:17	WG1020390	
Carbon disulfide	U		0.000240	0.00108	1	09/14/2017 17:17	WG1020390	
Carbon tetrachloride	U		0.000356	0.00108	1	09/14/2017 17:17	WG1020390	
Chlorobenzene	U		0.000230	0.00108	1	09/14/2017 17:17	WG1020390	
Chlorodibromomethane	U		0.000405	0.00108	1	09/14/2017 17:17	WG1020390	
Chloroethane	U UJ	J0	0.00103	0.00542	1	09/14/2017 17:17	WG1020390	
Chloroform	U		0.000248	0.00542	1	09/14/2017 17:17	WG1020390	
Chloromethane	U UJ	J0	0.000407	0.00271	1	09/14/2017 17:17	WG1020390	
2-Chlorotoluene	U		0.000326	0.00108	1	09/14/2017 17:17	WG1020390	
4-Chlorotoluene	U		0.000260	0.00108	1	09/14/2017 17:17	WG1020390	
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00542	1	09/14/2017 17:17	WG1020390	
1,2-Dibromoethane	U		0.000372	0.00108	1	09/14/2017 17:17	WG1020390	
Dibromomethane	U		0.000414	0.00108	1	09/14/2017 17:17	WG1020390	
1,2-Dichlorobenzene	U		0.000331	0.00108	1	09/14/2017 17:17	WG1020390	
1,3-Dichlorobenzene	U		0.000259	0.00108	1	09/14/2017 17:17	WG1020390	
1,4-Dichlorobenzene	U		0.000245	0.00108	1	09/14/2017 17:17	WG1020390	
Dichlorodifluoromethane	U		0.000773	0.00542	1	09/14/2017 17:17	WG1020390	
1,1-Dichloroethane	U		0.000216	0.00108	1	09/14/2017 17:17	WG1020390	
1,2-Dichloroethane	U		0.000287	0.00108	1	09/14/2017 17:17	WG1020390	
1,1-Dichloroethene	U		0.000329	0.00108	1	09/14/2017 17:17	WG1020390	
cis-1,2-Dichloroethene	U		0.000255	0.00108	1	09/14/2017 17:17	WG1020390	
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	09/14/2017 17:17	WG1020390	
1,2-Dichloropropane	U		0.000388	0.00108	1	09/14/2017 17:17	WG1020390	
1,1-Dichloropropene	U		0.000344	0.00108	1	09/14/2017 17:17	WG1020390	
1,3-Dichloropropane	U		0.000224	0.00108	1	09/14/2017 17:17	WG1020390	
cis-1,3-Dichloropropene	U		0.000284	0.00108	1	09/14/2017 17:17	WG1020390	
trans-1,3-Dichloropropene	U		0.000290	0.00108	1	09/14/2017 17:17	WG1020390	
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000844	0.00271	1	09/14/2017 17:17	WG1020390	
2,2-Dichloropropane	U		0.000303	0.00108	1	09/14/2017 17:17	WG1020390	
Di-isopropyl ether	U		0.000269	0.00108	1	09/14/2017 17:17	WG1020390	
Ethylbenzene	U		0.000322	0.00108	1	09/14/2017 17:17	WG1020390	
Hexachloro-1,3-butadiene	U		0.000371	0.00108	1	09/14/2017 17:17	WG1020390	
2-Hexanone	U		0.00149	0.0108	1	09/14/2017 17:17	WG1020390	
n-Hexane	0.000333 J	J J0	0.000314	0.0108	1	09/14/2017 17:17	WG1020390	
Iodomethane	U		0.00274	0.0108	1	09/14/2017 17:17	WG1020390	
Isopropylbenzene	U		0.000264	0.00108	1	09/14/2017 17:17	WG1020390	
p-Isopropyltoluene	U		0.000221	0.00108	1	09/14/2017 17:17	WG1020390	
2-Butanone (MEK)	U UJ	J0	0.00508	0.0108	1	09/14/2017 17:17	WG1020390	JC 10/16/17
Methylene Chloride	U		0.00108	0.00542	1	09/14/2017 17:17	WG1020390	
4-Methyl-2-pentanone (MIBK)	U		0.00204	0.0108	1	09/14/2017 17:17	WG1020390	

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

Analyte	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	09/14/2017 17:17	WG1020390
Naphthalene	U		0.00108	0.00542	1	09/14/2017 17:17	WG1020390
n-Propylbenzene	U		0.000223	0.00108	1	09/14/2017 17:17	WG1020390
Styrene	U		0.000254	0.00108	1	09/14/2017 17:17	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/14/2017 17:17	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000396	0.00108	1	09/14/2017 17:17	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000396	0.00108	1	09/14/2017 17:17	WG1020390
Tetrachloroethene	U		0.000299	0.00108	1	09/14/2017 17:17	WG1020390
Toluene	U		0.000471	0.00542	1	09/14/2017 17:17	WG1020390
1,2,3-Trichlorobenzene	U		0.000332	0.00108	1	09/14/2017 17:17	WG1020390
1,2,4-Trichlorobenzene	U		0.000421	0.00108	1	09/14/2017 17:17	WG1020390
1,1,1-Trichloroethane	U		0.000310	0.00108	1	09/14/2017 17:17	WG1020390
1,1,2-Trichloroethane	U		0.000300	0.00108	1	09/14/2017 17:17	WG1020390
Trichloroethene	U		0.000303	0.00108	1	09/14/2017 17:17	WG1020390
Trichlorofluoromethane	U		0.000414	0.00542	1	09/14/2017 17:17	WG1020390
1,2,3-Trichloropropane	U		0.000804	0.00271	1	09/14/2017 17:17	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000229	0.00108	1	09/14/2017 17:17	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000311	0.00108	1	09/14/2017 17:17	WG1020390
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/14/2017 17:17	WG1020390
Vinyl acetate	U		0.00259	0.0108	1	09/14/2017 17:17	WG1020390
Vinyl chloride	U		0.000316	0.00108	1	09/14/2017 17:17	WG1020390
Xylenes, Total	U		0.000757	0.00325	1	09/14/2017 17:17	WG1020390
(S) Toluene-d8	*98.8*			*80.0-120*		*09/14/2017 17:17*	WG1020390
(S) Dibromofluoromethane	*99.1*			*74.0-131*		*09/14/2017 17:17*	WG1020390
(S) 4-Bromofluorobenzene	*84.6*			*64.0-132*		*09/14/2017 17:17*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	09/16/2017 10:30	WG1021103

Volatile Organic Compounds (GC/MS) 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	09/14/2017 17:38	WG1020390
Acrylonitrile	U		0.00206	0.0115	1	09/14/2017 17:38	WG1020390
Benzene	U		0.000311	0.00115	1	09/14/2017 17:38	WG1020390
Bromobenzene	U UJ	J0	0.000327	0.00115	1	09/14/2017 17:38	WG1020390
Bromodichloromethane	U		0.000292	0.00115	1	09/14/2017 17:38	WG1020390
Bromochloromethane	U		0.000449	0.00576	1	09/14/2017 17:38	WG1020390
Bromoform	U		0.000488	0.00115	1	09/14/2017 17:38	WG1020390
Bromomethane	U		0.00154	0.00576	1	09/14/2017 17:38	WG1020390
n-Butylbenzene	U		0.000297	0.00115	1	09/14/2017 17:38	WG1020390
sec-Butylbenzene	U		0.000231	0.00115	1	09/14/2017 17:38	WG1020390
tert-Butylbenzene	U		0.000237	0.00115	1	09/14/2017 17:38	WG1020390
Carbon disulfide	U		0.000254	0.00115	1	09/14/2017 17:38	WG1020390
Carbon tetrachloride	U		0.000378	0.00115	1	09/14/2017 17:38	WG1020390
Chlorobenzene	U		0.000244	0.00115	1	09/14/2017 17:38	WG1020390
Chlorodibromomethane	U		0.000429	0.00115	1	09/14/2017 17:38	WG1020390
Chloroethane	U UJ	J0	0.00109	0.00576	1	09/14/2017 17:38	WG1020390
Chloroform	U		0.000264	0.00576	1	09/14/2017 17:38	WG1020390
Chloromethane	U UJ	J0	0.000432	0.00288	1	09/14/2017 17:38	WG1020390
2-Chlorotoluene	U		0.000347	0.00115	1	09/14/2017 17:38	WG1020390
4-Chlorotoluene	U		0.000276	0.00115	1	09/14/2017 17:38	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00576	1	09/14/2017 17:38	WG1020390
1,2-Dibromoethane	U		0.000395	0.00115	1	09/14/2017 17:38	WG1020390
Dibromomethane	U		0.000440	0.00115	1	09/14/2017 17:38	WG1020390
1,2-Dichlorobenzene	U		0.000351	0.00115	1	09/14/2017 17:38	WG1020390
1,3-Dichlorobenzene	U		0.000275	0.00115	1	09/14/2017 17:38	WG1020390
1,4-Dichlorobenzene	U		0.000260	0.00115	1	09/14/2017 17:38	WG1020390
Dichlorodifluoromethane	U		0.000821	0.00576	1	09/14/2017 17:38	WG1020390
1,1-Dichloroethane	U		0.000229	0.00115	1	09/14/2017 17:38	WG1020390
1,2-Dichloroethane	U		0.000305	0.00115	1	09/14/2017 17:38	WG1020390
1,1-Dichloroethene	U		0.000349	0.00115	1	09/14/2017 17:38	WG1020390
cis-1,2-Dichloroethene	U		0.000271	0.00115	1	09/14/2017 17:38	WG1020390
trans-1,2-Dichloroethene	U		0.000304	0.00115	1	09/14/2017 17:38	WG1020390
1,2-Dichloropropane	U		0.000412	0.00115	1	09/14/2017 17:38	WG1020390
1,1-Dichloropropene	U		0.000365	0.00115	1	09/14/2017 17:38	WG1020390
1,3-Dichloropropane	U		0.000238	0.00115	1	09/14/2017 17:38	WG1020390
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	09/14/2017 17:38	WG1020390
trans-1,3-Dichloropropene	U		0.000307	0.00115	1	09/14/2017 17:38	WG1020390
trans-1,4-Dichloro-2-butene	U	J0	0.000896	0.00288	1	09/14/2017 17:38	WG1020390
2,2-Dichloropropane	U		0.000321	0.00115	1	09/14/2017 17:38	WG1020390
Di-isopropyl ether	U		0.000285	0.00115	1	09/14/2017 17:38	WG1020390
Ethylbenzene	U		0.000342	0.00115	1	09/14/2017 17:38	WG1020390
Hexachloro-1,3-butadiene	U		0.000394	0.00115	1	09/14/2017 17:38	WG1020390
2-Hexanone	U		0.00158	0.0115	1	09/14/2017 17:38	WG1020390
n-Hexane	U UJ	J0	0.000334	0.0115	1	09/14/2017 17:38	WG1020390
Iodomethane	U		0.00291	0.0115	1	09/14/2017 17:38	WG1020390
Isopropylbenzene	U		0.000280	0.00115	1	09/14/2017 17:38	WG1020390
p-Isopropyltoluene	U		0.000235	0.00115	1	09/14/2017 17:38	WG1020390
2-Butanone (MEK)	U UJ	J0	0.00539	0.0115	1	09/14/2017 17:38	WG1020390
Methylene Chloride	U		0.00115	0.00576	1	09/14/2017 17:38	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00216	0.0115	1	09/14/2017 17:38	WG1020390

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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	09/14/2017 17:38	WG1020390
Naphthalene	U		0.00115	0.00576	1	09/14/2017 17:38	WG1020390
n-Propylbenzene	U		0.000237	0.00115	1	09/14/2017 17:38	WG1020390
Styrene	U		0.000269	0.00115	1	09/14/2017 17:38	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000304	0.00115	1	09/14/2017 17:38	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000420	0.00115	1	09/14/2017 17:38	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000420	0.00115	1	09/14/2017 17:38	WG1020390
Tetrachloroethene	U		0.000318	0.00115	1	09/14/2017 17:38	WG1020390
Toluene	U		0.000500	0.00576	1	09/14/2017 17:38	WG1020390
1,2,3-Trichlorobenzene	U		0.000352	0.00115	1	09/14/2017 17:38	WG1020390
1,2,4-Trichlorobenzene	U		0.000447	0.00115	1	09/14/2017 17:38	WG1020390
1,1,1-Trichloroethane	U		0.000329	0.00115	1	09/14/2017 17:38	WG1020390
1,1,2-Trichloroethane	U		0.000319	0.00115	1	09/14/2017 17:38	WG1020390
Trichloroethene	U		0.000321	0.00115	1	09/14/2017 17:38	WG1020390
Trichlorofluoromethane	U		0.000440	0.00576	1	09/14/2017 17:38	WG1020390
1,2,3-Trichloropropane	U		0.000853	0.00288	1	09/14/2017 17:38	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000243	0.00115	1	09/14/2017 17:38	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000330	0.00115	1	09/14/2017 17:38	WG1020390
1,3,5-Trimethylbenzene	U		0.000306	0.00115	1	09/14/2017 17:38	WG1020390
Vinyl acetate	U		0.00275	0.0115	1	09/14/2017 17:38	WG1020390
Vinyl chloride	U		0.000335	0.00115	1	09/14/2017 17:38	WG1020390
Xylenes, Total	U		0.000804	0.00345	1	09/14/2017 17:38	WG1020390
(S) Toluene-d8	*102*			*80.0-120*		*09/14/2017 17:38*	WG1020390
(S) Dibromofluoromethane	*90.4*			*74.0-131*		*09/14/2017 17:38*	WG1020390
(S) 4-Bromofluorobenzene	*88.5*			*64.0-132*		*09/14/2017 17:38*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0535	1	09/14/2017 17:58	WG1020390
Acrylonitrile	U		0.00192	0.0107	1	09/14/2017 17:58	WG1020390
Benzene	U		0.000289	0.00107	1	09/14/2017 17:58	WG1020390
Bromobenzene	U UJ	J0	0.000304	0.00107	1	09/14/2017 17:58	WG1020390
Bromodichloromethane	U		0.000272	0.00107	1	09/14/2017 17:58	WG1020390
Bromochloromethane	U		0.000417	0.00535	1	09/14/2017 17:58	WG1020390
Bromoform	U		0.000454	0.00107	1	09/14/2017 17:58	WG1020390
Bromomethane	U		0.00143	0.00535	1	09/14/2017 17:58	WG1020390
n-Butylbenzene	U		0.000276	0.00107	1	09/14/2017 17:58	WG1020390
sec-Butylbenzene	U		0.000215	0.00107	1	09/14/2017 17:58	WG1020390
tert-Butylbenzene	U		0.000220	0.00107	1	09/14/2017 17:58	WG1020390
Carbon disulfide	U		0.000237	0.00107	1	09/14/2017 17:58	WG1020390
Carbon tetrachloride	U		0.000351	0.00107	1	09/14/2017 17:58	WG1020390
Chlorobenzene	U		0.000227	0.00107	1	09/14/2017 17:58	WG1020390
Chlorodibromomethane	U		0.000399	0.00107	1	09/14/2017 17:58	WG1020390
Chloroethane	U UJ	J0	0.00101	0.00535	1	09/14/2017 17:58	WG1020390
Chloroform	U		0.000245	0.00535	1	09/14/2017 17:58	WG1020390
Chloromethane	U UJ	J0	0.000401	0.00268	1	09/14/2017 17:58	WG1020390
2-Chlorotoluene	U		0.000322	0.00107	1	09/14/2017 17:58	WG1020390
4-Chlorotoluene	U		0.000257	0.00107	1	09/14/2017 17:58	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/14/2017 17:58	WG1020390
1,2-Dibromoethane	U		0.000367	0.00107	1	09/14/2017 17:58	WG1020390
Dibromomethane	U		0.000409	0.00107	1	09/14/2017 17:58	WG1020390
1,2-Dichlorobenzene	U		0.000326	0.00107	1	09/14/2017 17:58	WG1020390
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/14/2017 17:58	WG1020390
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/14/2017 17:58	WG1020390
Dichlorodifluoromethane	U		0.000763	0.00535	1	09/14/2017 17:58	WG1020390
1,1-Dichloroethane	U		0.000213	0.00107	1	09/14/2017 17:58	WG1020390
1,2-Dichloroethane	U		0.000284	0.00107	1	09/14/2017 17:58	WG1020390
1,1-Dichloroethene	U		0.000324	0.00107	1	09/14/2017 17:58	WG1020390
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	09/14/2017 17:58	WG1020390
trans-1,2-Dichloroethene	U		0.000283	0.00107	1	09/14/2017 17:58	WG1020390
1,2-Dichloropropane	U		0.000383	0.00107	1	09/14/2017 17:58	WG1020390
1,1-Dichloropropene	U		0.000339	0.00107	1	09/14/2017 17:58	WG1020390
1,3-Dichloropropane	U		0.000222	0.00107	1	09/14/2017 17:58	WG1020390
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/14/2017 17:58	WG1020390
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/14/2017 17:58	WG1020390
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000833	0.00268	1	09/14/2017 17:58	WG1020390
2,2-Dichloropropane	U		0.000299	0.00107	1	09/14/2017 17:58	WG1020390
Di-isopropyl ether	U		0.000265	0.00107	1	09/14/2017 17:58	WG1020390
Ethylbenzene	U		0.000318	0.00107	1	09/14/2017 17:58	WG1020390
Hexachloro-1,3-butadiene	U		0.000366	0.00107	1	09/14/2017 17:58	WG1020390
2-Hexanone	U		0.00147	0.0107	1	09/14/2017 17:58	WG1020390
n-Hexane	U UJ	J0	0.000310	0.0107	1	09/14/2017 17:58	WG1020390
Iodomethane	U		0.00271	0.0107	1	09/14/2017 17:58	WG1020390
Isopropylbenzene	U		0.000260	0.00107	1	09/14/2017 17:58	WG1020390
p-Isopropyltoluene	U		0.000218	0.00107	1	09/14/2017 17:58	WG1020390
2-Butanone (MEK)	U UJ	J0	0.00501	0.0107	1	09/14/2017 17:58	WG1020390
Methylene Chloride	U		0.00107	0.00535	1	09/14/2017 17:58	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/14/2017 17:58	WG1020390

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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		0.000227	0.00107	1	09/14/2017 17:58	WG1020390
Naphthalene	U		0.00107	0.00535	1	09/14/2017 17:58	WG1020390
n-Propylbenzene	U		0.000220	0.00107	1	09/14/2017 17:58	WG1020390
Styrene	U		0.000250	0.00107	1	09/14/2017 17:58	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000283	0.00107	1	09/14/2017 17:58	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/14/2017 17:58	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/14/2017 17:58	WG1020390
Tetrachloroethene	0.00480		0.000295	0.00107	1	09/14/2017 17:58	WG1020390
Toluene	U		0.000464	0.00535	1	09/14/2017 17:58	WG1020390
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/14/2017 17:58	WG1020390
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	09/14/2017 17:58	WG1020390
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/14/2017 17:58	WG1020390
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/14/2017 17:58	WG1020390
Trichloroethene	U		0.000299	0.00107	1	09/14/2017 17:58	WG1020390
Trichlorofluoromethane	U		0.000409	0.00535	1	09/14/2017 17:58	WG1020390
1,2,3-Trichloropropane	U		0.000793	0.00268	1	09/14/2017 17:58	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000226	0.00107	1	09/14/2017 17:58	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000307	0.00107	1	09/14/2017 17:58	WG1020390
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/14/2017 17:58	WG1020390
Vinyl acetate	U		0.00256	0.0107	1	09/14/2017 17:58	WG1020390
Vinyl chloride	U		0.000311	0.00107	1	09/14/2017 17:58	WG1020390
Xylenes, Total	U		0.000747	0.00321	1	09/14/2017 17:58	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/14/2017 17:58*	WG1020390
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/14/2017 17:58*	WG1020390
(S) 4-Bromofluorobenzene	*84.6*			*64.0-132*		*09/14/2017 17:58*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0589	1	09/18/2017 16:20	WG1020390
Acrylonitrile	U		0.00211	0.0118	1	09/18/2017 16:20	WG1020390
Benzene	U		0.000318	0.00118	1	09/18/2017 16:20	WG1020390
Bromobenzene	U		0.000335	0.00118	1	09/18/2017 16:20	WG1020390
Bromodichloromethane	U		0.000299	0.00118	1	09/18/2017 16:20	WG1020390
Bromochloromethane	U		0.000460	0.00589	1	09/18/2017 16:20	WG1020390
Bromoform	U		0.000500	0.00118	1	09/18/2017 16:20	WG1020390
Bromomethane	U		0.00158	0.00589	1	09/18/2017 16:20	WG1020390
n-Butylbenzene	U		0.000304	0.00118	1	09/18/2017 16:20	WG1020390
sec-Butylbenzene	U		0.000237	0.00118	1	09/18/2017 16:20	WG1020390
tert-Butylbenzene	U		0.000243	0.00118	1	09/18/2017 16:20	WG1020390
Carbon disulfide	U		0.000261	0.00118	1	09/18/2017 16:20	WG1020390
Carbon tetrachloride	U		0.000387	0.00118	1	09/18/2017 16:20	WG1020390
Chlorobenzene	U		0.000250	0.00118	1	09/18/2017 16:20	WG1020390
Chlorodibromomethane	U		0.000440	0.00118	1	09/18/2017 16:20	WG1020390
Chloroethane	U		0.00112	0.00589	1	09/18/2017 16:20	WG1020390
Chloroform	U		0.000270	0.00589	1	09/18/2017 16:20	WG1020390
Chloromethane	U	UJ J0	0.000442	0.00295	1	09/18/2017 16:20	WG1020390
2-Chlorotoluene	U		0.000355	0.00118	1	09/18/2017 16:20	WG1020390
4-Chlorotoluene	U		0.000283	0.00118	1	09/18/2017 16:20	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00589	1	09/18/2017 16:20	WG1020390
1,2-Dibromoethane	U		0.000404	0.00118	1	09/18/2017 16:20	WG1020390
Dibromomethane	U		0.000450	0.00118	1	09/18/2017 16:20	WG1020390
1,2-Dichlorobenzene	U		0.000360	0.00118	1	09/18/2017 16:20	WG1020390
1,3-Dichlorobenzene	U		0.000282	0.00118	1	09/18/2017 16:20	WG1020390
1,4-Dichlorobenzene	U		0.000266	0.00118	1	09/18/2017 16:20	WG1020390
Dichlorodifluoromethane	U		0.000841	0.00589	1	09/18/2017 16:20	WG1020390
1,1-Dichloroethane	U		0.000235	0.00118	1	09/18/2017 16:20	WG1020390
1,2-Dichloroethane	U		0.000312	0.00118	1	09/18/2017 16:20	WG1020390
1,1-Dichloroethene	U		0.000357	0.00118	1	09/18/2017 16:20	WG1020390
cis-1,2-Dichloroethene	0.0620		0.000277	0.00118	1	09/18/2017 16:20	WG1020390
trans-1,2-Dichloroethene	U		0.000311	0.00118	1	09/18/2017 16:20	WG1020390
1,2-Dichloropropane	U		0.000422	0.00118	1	09/18/2017 16:20	WG1020390
1,1-Dichloropropene	U		0.000374	0.00118	1	09/18/2017 16:20	WG1020390
1,3-Dichloropropane	U		0.000244	0.00118	1	09/18/2017 16:20	WG1020390
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	09/18/2017 16:20	WG1020390
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	09/18/2017 16:20	WG1020390
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000917	0.00295	1	09/18/2017 16:20	WG1020390
2,2-Dichloropropane	U		0.000329	0.00118	1	09/18/2017 16:20	WG1020390
Di-isopropyl ether	U	UJ J0	0.000292	0.00118	1	09/18/2017 16:20	WG1020390
Ethylbenzene	U		0.000350	0.00118	1	09/18/2017 16:20	WG1020390
Hexachloro-1,3-butadiene	U		0.000403	0.00118	1	09/18/2017 16:20	WG1020390
2-Hexanone	U		0.00162	0.0118	1	09/18/2017 16:20	WG1020390
n-Hexane	0.000447	j J	0.000342	0.0118	1	09/18/2017 16:20	WG1020390
Iodomethane	U		0.00298	0.0118	1	09/18/2017 16:20	WG1020390
Isopropylbenzene	U		0.000286	0.00118	1	09/18/2017 16:20	WG1020390
p-Isopropyltoluene	U		0.000241	0.00118	1	09/18/2017 16:20	WG1020390
2-Butanone (MEK)	U		0.00552	0.0118	1	09/18/2017 16:20	WG1020390
Methylene Chloride	U		0.00118	0.00589	1	09/18/2017 16:20	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	09/18/2017 16:20	WG1020390

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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		0.000250	0.00118	1	09/18/2017 16:20	WG1020390
Naphthalene	U		0.00118	0.00589	1	09/18/2017 16:20	WG1020390
n-Propylbenzene	U		0.000243	0.00118	1	09/18/2017 16:20	WG1020390
Styrene	U		0.000276	0.00118	1	09/18/2017 16:20	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000311	0.00118	1	09/18/2017 16:20	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000430	0.00118	1	09/18/2017 16:20	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000430	0.00118	1	09/18/2017 16:20	WG1020390
Tetrachloroethene	0.0277		0.000325	0.00118	1	09/18/2017 16:20	WG1020390
Toluene	U		0.000512	0.00589	1	09/18/2017 16:20	WG1020390
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	09/18/2017 16:20	WG1020390
1,2,4-Trichlorobenzene	U		0.000457	0.00118	1	09/18/2017 16:20	WG1020390
1,1,1-Trichloroethane	U		0.000337	0.00118	1	09/18/2017 16:20	WG1020390
1,1,2-Trichloroethane	U		0.000327	0.00118	1	09/18/2017 16:20	WG1020390
Trichloroethene	0.00195		0.000329	0.00118	1	09/18/2017 16:20	WG1020390
Trichlorofluoromethane	U		0.000450	0.00589	1	09/18/2017 16:20	WG1020390
1,2,3-Trichloropropane	U		0.000874	0.00295	1	09/18/2017 16:20	WG1020390
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	09/18/2017 16:20	WG1020390
1,2,3-Trimethylbenzene	U		0.000338	0.00118	1	09/18/2017 16:20	WG1020390
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	09/18/2017 16:20	WG1020390
Vinyl acetate	U		0.00282	0.0118	1	09/18/2017 16:20	WG1020390
Vinyl chloride	U		0.000343	0.00118	1	09/18/2017 16:20	WG1020390
Xylenes, Total	U		0.000823	0.00354	1	09/18/2017 16:20	WG1020390
(S) Toluene-d8	*107*			*80.0-120*		*09/18/2017 16:20*	WG1020390
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/18/2017 16:20*	WG1020390
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/18/2017 16:20*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0534	1	09/14/2017 18:40	WG1020390
Acrylonitrile	U		0.00191	0.0107	1	09/14/2017 18:40	WG1020390
Benzene	U		0.000288	0.00107	1	09/14/2017 18:40	WG1020390
Bromobenzene	U UJ	J0	0.000303	0.00107	1	09/14/2017 18:40	WG1020390
Bromodichloromethane	U		0.000271	0.00107	1	09/14/2017 18:40	WG1020390
Bromochloromethane	U		0.000417	0.00534	1	09/14/2017 18:40	WG1020390
Bromoform	U		0.000453	0.00107	1	09/14/2017 18:40	WG1020390
Bromomethane	U		0.00143	0.00534	1	09/14/2017 18:40	WG1020390
n-Butylbenzene	U		0.000276	0.00107	1	09/14/2017 18:40	WG1020390
sec-Butylbenzene	U		0.000215	0.00107	1	09/14/2017 18:40	WG1020390
tert-Butylbenzene	U		0.000220	0.00107	1	09/14/2017 18:40	WG1020390
Carbon disulfide	0.000435 J	J	0.000236	0.00107	1	09/14/2017 18:40	WG1020390
Carbon tetrachloride	U		0.000350	0.00107	1	09/14/2017 18:40	WG1020390
Chlorobenzene	U		0.000227	0.00107	1	09/14/2017 18:40	WG1020390
Chlorodibromomethane	U		0.000399	0.00107	1	09/14/2017 18:40	WG1020390
Chloroethane	U UJ	J0	0.00101	0.00534	1	09/14/2017 18:40	WG1020390
Chloroform	U		0.000245	0.00534	1	09/14/2017 18:40	WG1020390
Chloromethane	U UJ	J0	0.000401	0.00267	1	09/14/2017 18:40	WG1020390
2-Chlorotoluene	U		0.000322	0.00107	1	09/14/2017 18:40	WG1020390
4-Chlorotoluene	U		0.000256	0.00107	1	09/14/2017 18:40	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00534	1	09/14/2017 18:40	WG1020390
1,2-Dibromoethane	U		0.000366	0.00107	1	09/14/2017 18:40	WG1020390
Dibromomethane	U		0.000408	0.00107	1	09/14/2017 18:40	WG1020390
1,2-Dichlorobenzene	U		0.000326	0.00107	1	09/14/2017 18:40	WG1020390
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/14/2017 18:40	WG1020390
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/14/2017 18:40	WG1020390
Dichlorodifluoromethane	U		0.000762	0.00534	1	09/14/2017 18:40	WG1020390
1,1-Dichloroethane	U		0.000213	0.00107	1	09/14/2017 18:40	WG1020390
1,2-Dichloroethane	U		0.000283	0.00107	1	09/14/2017 18:40	WG1020390
1,1-Dichloroethene	U		0.000324	0.00107	1	09/14/2017 18:40	WG1020390
cis-1,2-Dichloroethene	U		0.000251	0.00107	1	09/14/2017 18:40	WG1020390
trans-1,2-Dichloroethene	U		0.000282	0.00107	1	09/14/2017 18:40	WG1020390
1,2-Dichloropropane	U		0.000383	0.00107	1	09/14/2017 18:40	WG1020390
1,1-Dichloropropene	U		0.000339	0.00107	1	09/14/2017 18:40	WG1020390
1,3-Dichloropropane	U		0.000221	0.00107	1	09/14/2017 18:40	WG1020390
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/14/2017 18:40	WG1020390
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/14/2017 18:40	WG1020390
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000831	0.00267	1	09/14/2017 18:40	WG1020390
2,2-Dichloropropane	U		0.000298	0.00107	1	09/14/2017 18:40	WG1020390
Di-isopropyl ether	U		0.000265	0.00107	1	09/14/2017 18:40	WG1020390
Ethylbenzene	U		0.000317	0.00107	1	09/14/2017 18:40	WG1020390
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/14/2017 18:40	WG1020390
2-Hexanone	U		0.00146	0.0107	1	09/14/2017 18:40	WG1020390
n-Hexane	U UJ	J0	0.000310	0.0107	1	09/14/2017 18:40	WG1020390
Iodomethane	U		0.00270	0.0107	1	09/14/2017 18:40	WG1020390
Isopropylbenzene	U		0.000260	0.00107	1	09/14/2017 18:40	WG1020390
p-Isopropyltoluene	U		0.000218	0.00107	1	09/14/2017 18:40	WG1020390
2-Butanone (MEK)	U UJ	J0	0.00500	0.0107	1	09/14/2017 18:40	WG1020390
Methylene Chloride	U		0.00107	0.00534	1	09/14/2017 18:40	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/14/2017 18:40	WG1020390

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000227	0.00107	1	09/14/2017 18:40	WG1020390
Naphthalene	U		0.00107	0.00534	1	09/14/2017 18:40	WG1020390
n-Propylbenzene	U		0.000220	0.00107	1	09/14/2017 18:40	WG1020390
Styrene	U		0.000250	0.00107	1	09/14/2017 18:40	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	09/14/2017 18:40	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000390	0.00107	1	09/14/2017 18:40	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000390	0.00107	1	09/14/2017 18:40	WG1020390
Tetrachloroethene	U		0.000295	0.00107	1	09/14/2017 18:40	WG1020390
Toluene	U		0.000464	0.00534	1	09/14/2017 18:40	WG1020390
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/14/2017 18:40	WG1020390
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	09/14/2017 18:40	WG1020390
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/14/2017 18:40	WG1020390
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/14/2017 18:40	WG1020390
Trichloroethene	U		0.000298	0.00107	1	09/14/2017 18:40	WG1020390
Trichlorofluoromethane	U		0.000408	0.00534	1	09/14/2017 18:40	WG1020390
1,2,3-Trichloropropane	U		0.000792	0.00267	1	09/14/2017 18:40	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000225	0.00107	1	09/14/2017 18:40	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000307	0.00107	1	09/14/2017 18:40	WG1020390
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/14/2017 18:40	WG1020390
Vinyl acetate	U		0.00255	0.0107	1	09/14/2017 18:40	WG1020390
Vinyl chloride	U		0.000311	0.00107	1	09/14/2017 18:40	WG1020390
Xylenes, Total	U		0.000746	0.00321	1	09/14/2017 18:40	WG1020390
(S) Toluene-d8	*98.8*			*80.0-120*		*09/14/2017 18:40*	WG1020390
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*09/14/2017 18:40*	WG1020390
(S) 4-Bromofluorobenzene	*86.5*			*64.0-132*		*09/14/2017 18:40*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	09/19/2017 07:43	WG1021488

Volatile Organic Compounds (GC/MS) 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	0.0532	1	09/14/2017 19:00	WG1020390
Acrylonitrile	U		0.00190	0.0106	1	09/14/2017 19:00	WG1020390
Benzene	U		0.000287	0.00106	1	09/14/2017 19:00	WG1020390
Bromobenzene	U UJ	J0	0.000302	0.00106	1	09/14/2017 19:00	WG1020390
Bromodichloromethane	U		0.000270	0.00106	1	09/14/2017 19:00	WG1020390
Bromochloromethane	U		0.000415	0.00532	1	09/14/2017 19:00	WG1020390
Bromoform	U		0.000451	0.00106	1	09/14/2017 19:00	WG1020390
Bromomethane	U		0.00143	0.00532	1	09/14/2017 19:00	WG1020390
n-Butylbenzene	U		0.000275	0.00106	1	09/14/2017 19:00	WG1020390
sec-Butylbenzene	U		0.000214	0.00106	1	09/14/2017 19:00	WG1020390
tert-Butylbenzene	U		0.000219	0.00106	1	09/14/2017 19:00	WG1020390
Carbon disulfide	0.000807 j	J	0.000235	0.00106	1	09/14/2017 19:00	WG1020390
Carbon tetrachloride	U		0.000349	0.00106	1	09/14/2017 19:00	WG1020390
Chlorobenzene	U		0.000226	0.00106	1	09/14/2017 19:00	WG1020390
Chlorodibromomethane	U		0.000397	0.00106	1	09/14/2017 19:00	WG1020390
Chloroethane	U UJ	J0	0.00101	0.00532	1	09/14/2017 19:00	WG1020390
Chloroform	U		0.000244	0.00532	1	09/14/2017 19:00	WG1020390
Chloromethane	U UJ	J0	0.000399	0.00266	1	09/14/2017 19:00	WG1020390
2-Chlorotoluene	U		0.000320	0.00106	1	09/14/2017 19:00	WG1020390
4-Chlorotoluene	U		0.000255	0.00106	1	09/14/2017 19:00	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00532	1	09/14/2017 19:00	WG1020390
1,2-Dibromoethane	U		0.000365	0.00106	1	09/14/2017 19:00	WG1020390
Dibromomethane	U		0.000406	0.00106	1	09/14/2017 19:00	WG1020390
1,2-Dichlorobenzene	U		0.000325	0.00106	1	09/14/2017 19:00	WG1020390
1,3-Dichlorobenzene	U		0.000254	0.00106	1	09/14/2017 19:00	WG1020390
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/14/2017 19:00	WG1020390
Dichlorodifluoromethane	U		0.000759	0.00532	1	09/14/2017 19:00	WG1020390
1,1-Dichloroethane	U		0.000212	0.00106	1	09/14/2017 19:00	WG1020390
1,2-Dichloroethane	U		0.000282	0.00106	1	09/14/2017 19:00	WG1020390
1,1-Dichloroethene	U		0.000322	0.00106	1	09/14/2017 19:00	WG1020390
cis-1,2-Dichloroethene	U		0.000250	0.00106	1	09/14/2017 19:00	WG1020390
trans-1,2-Dichloroethene	U		0.000281	0.00106	1	09/14/2017 19:00	WG1020390
1,2-Dichloropropane	U		0.000381	0.00106	1	09/14/2017 19:00	WG1020390
1,1-Dichloropropene	U		0.000337	0.00106	1	09/14/2017 19:00	WG1020390
1,3-Dichloropropane	U		0.000220	0.00106	1	09/14/2017 19:00	WG1020390
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	09/14/2017 19:00	WG1020390
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	09/14/2017 19:00	WG1020390
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000828	0.00266	1	09/14/2017 19:00	WG1020390
2,2-Dichloropropane	U		0.000297	0.00106	1	09/14/2017 19:00	WG1020390
Di-isopropyl ether	U		0.000264	0.00106	1	09/14/2017 19:00	WG1020390
Ethylbenzene	U		0.000316	0.00106	1	09/14/2017 19:00	WG1020390
Hexachloro-1,3-butadiene	U		0.000364	0.00106	1	09/14/2017 19:00	WG1020390
2-Hexanone	U		0.00146	0.0106	1	09/14/2017 19:00	WG1020390
n-Hexane	0.00329 J	J J0	0.000309	0.0106	1	09/14/2017 19:00	WG1020390
Iodomethane	U		0.00269	0.0106	1	09/14/2017 19:00	WG1020390
Isopropylbenzene	U		0.000259	0.00106	1	09/14/2017 19:00	WG1020390
p-Isopropyltoluene	U		0.000217	0.00106	1	09/14/2017 19:00	WG1020390
2-Butanone (MEK)	U UJ	J0	0.00498	0.0106	1	09/14/2017 19:00	WG1020390
Methylene Chloride	U		0.00106	0.00532	1	09/14/2017 19:00	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	09/14/2017 19:00	WG1020390

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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		0.000226	0.00106	1	09/14/2017 19:00	WG1020390
Naphthalene	U		0.00106	0.00532	1	09/14/2017 19:00	WG1020390
n-Propylbenzene	U		0.000219	0.00106	1	09/14/2017 19:00	WG1020390
Styrene	U		0.000249	0.00106	1	09/14/2017 19:00	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	09/14/2017 19:00	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	09/14/2017 19:00	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	09/14/2017 19:00	WG1020390
Tetrachloroethene	U		0.000294	0.00106	1	09/14/2017 19:00	WG1020390
Toluene	U		0.000462	0.00532	1	09/14/2017 19:00	WG1020390
1,2,3-Trichlorobenzene	U		0.000326	0.00106	1	09/14/2017 19:00	WG1020390
1,2,4-Trichlorobenzene	U		0.000413	0.00106	1	09/14/2017 19:00	WG1020390
1,1,1-Trichloroethane	U		0.000304	0.00106	1	09/14/2017 19:00	WG1020390
1,1,2-Trichloroethane	U		0.000295	0.00106	1	09/14/2017 19:00	WG1020390
Trichloroethene	U		0.000297	0.00106	1	09/14/2017 19:00	WG1020390
Trichlorofluoromethane	U		0.000406	0.00532	1	09/14/2017 19:00	WG1020390
1,2,3-Trichloropropane	U		0.000788	0.00266	1	09/14/2017 19:00	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000225	0.00106	1	09/14/2017 19:00	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000305	0.00106	1	09/14/2017 19:00	WG1020390
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	09/14/2017 19:00	WG1020390
Vinyl acetate	U		0.00254	0.0106	1	09/14/2017 19:00	WG1020390
Vinyl chloride	U		0.000310	0.00106	1	09/14/2017 19:00	WG1020390
Xylenes, Total	U		0.000743	0.00319	1	09/14/2017 19:00	WG1020390
(S) Toluene-d8	*98.0*			*80.0-120*		*09/14/2017 19:00*	WG1020390
(S) Dibromofluoromethane	*98.0*			*74.0-131*		*09/14/2017 19:00*	WG1020390
(S) 4-Bromofluorobenzene	*85.7*			*64.0-132*		*09/14/2017 19:00*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	0.0554	1	09/14/2017 19:21	WG1020390	
Acrylonitrile	U		0.00198	0.0111	1	09/14/2017 19:21	WG1020390	
Benzene	U		0.000299	0.00111	1	09/14/2017 19:21	WG1020390	
Bromobenzene	U UJ	J0	0.000315	0.00111	1	09/14/2017 19:21	WG1020390	
Bromodichloromethane	U		0.000281	0.00111	1	09/14/2017 19:21	WG1020390	
Bromochloromethane	U		0.000432	0.00554	1	09/14/2017 19:21	WG1020390	
Bromoform	U		0.000470	0.00111	1	09/14/2017 19:21	WG1020390	
Bromomethane	U		0.00148	0.00554	1	09/14/2017 19:21	WG1020390	
n-Butylbenzene	U		0.000286	0.00111	1	09/14/2017 19:21	WG1020390	
sec-Butylbenzene	U		0.000223	0.00111	1	09/14/2017 19:21	WG1020390	
tert-Butylbenzene	U		0.000228	0.00111	1	09/14/2017 19:21	WG1020390	
Carbon disulfide	0.000688 J	J	0.000245	0.00111	1	09/14/2017 19:21	WG1020390	
Carbon tetrachloride	U		0.000363	0.00111	1	09/14/2017 19:21	WG1020390	
Chlorobenzene	U		0.000235	0.00111	1	09/14/2017 19:21	WG1020390	
Chlorodibromomethane	U		0.000413	0.00111	1	09/14/2017 19:21	WG1020390	
Chloroethane	U UJ	J0	0.00105	0.00554	1	09/14/2017 19:21	WG1020390	
Chloroform	U		0.000254	0.00554	1	09/14/2017 19:21	WG1020390	
Chloromethane	U UJ	J0	0.000415	0.00277	1	09/14/2017 19:21	WG1020390	
2-Chlorotoluene	U		0.000333	0.00111	1	09/14/2017 19:21	WG1020390	
4-Chlorotoluene	U		0.000266	0.00111	1	09/14/2017 19:21	WG1020390	
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00554	1	09/14/2017 19:21	WG1020390	
1,2-Dibromoethane	U		0.000380	0.00111	1	09/14/2017 19:21	WG1020390	
Dibromomethane	U		0.000423	0.00111	1	09/14/2017 19:21	WG1020390	
1,2-Dichlorobenzene	U		0.000338	0.00111	1	09/14/2017 19:21	WG1020390	
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/14/2017 19:21	WG1020390	
1,4-Dichlorobenzene	U		0.000250	0.00111	1	09/14/2017 19:21	WG1020390	
Dichlorodifluoromethane	U		0.000790	0.00554	1	09/14/2017 19:21	WG1020390	
1,1-Dichloroethane	U		0.000220	0.00111	1	09/14/2017 19:21	WG1020390	
1,2-Dichloroethane	U		0.000293	0.00111	1	09/14/2017 19:21	WG1020390	
1,1-Dichloroethene	U		0.000336	0.00111	1	09/14/2017 19:21	WG1020390	
cis-1,2-Dichloroethene	U		0.000260	0.00111	1	09/14/2017 19:21	WG1020390	
trans-1,2-Dichloroethene	U		0.000292	0.00111	1	09/14/2017 19:21	WG1020390	
1,2-Dichloropropane	U		0.000396	0.00111	1	09/14/2017 19:21	WG1020390	
1,1-Dichloropropene	U		0.000351	0.00111	1	09/14/2017 19:21	WG1020390	
1,3-Dichloropropane	U		0.000229	0.00111	1	09/14/2017 19:21	WG1020390	
cis-1,3-Dichloropropene	U		0.000290	0.00111	1	09/14/2017 19:21	WG1020390	
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/14/2017 19:21	WG1020390	
trans-1,4-Dichloro-2-butene	U J	J0	0.000862	0.00277	1	09/14/2017 19:21	WG1020390	
2,2-Dichloropropane	U		0.000309	0.00111	1	09/14/2017 19:21	WG1020390	
Di-isopropyl ether	U		0.000275	0.00111	1	09/14/2017 19:21	WG1020390	
Ethylbenzene	U		0.000329	0.00111	1	09/14/2017 19:21	WG1020390	
Hexachloro-1,3-butadiene	U		0.000379	0.00111	1	09/14/2017 19:21	WG1020390	
2-Hexanone	U		0.00152	0.0111	1	09/14/2017 19:21	WG1020390	
n-Hexane	0.000446 J	J J0	0.000321	0.0111	1	09/14/2017 19:21	WG1020390	
Iodomethane	U		0.00280	0.0111	1	09/14/2017 19:21	WG1020390	
Isopropylbenzene	U		0.000269	0.00111	1	09/14/2017 19:21	WG1020390	
p-Isopropyltoluene	U		0.000226	0.00111	1	09/14/2017 19:21	WG1020390	
2-Butanone (MEK)	U UJ	J0	0.00518	0.0111	1	09/14/2017 19:21	WG1020390	
Methylene Chloride	U		0.00111	0.00554	1	09/14/2017 19:21	WG1020390	JC 10/16/17
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0111	1	09/14/2017 19:21	WG1020390	

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

Analyte	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	09/14/2017 19:21	WG1020390
Naphthalene	U		0.00111	0.00554	1	09/14/2017 19:21	WG1020390
n-Propylbenzene	U		0.000228	0.00111	1	09/14/2017 19:21	WG1020390
Styrene	U		0.000259	0.00111	1	09/14/2017 19:21	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000292	0.00111	1	09/14/2017 19:21	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000404	0.00111	1	09/14/2017 19:21	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000404	0.00111	1	09/14/2017 19:21	WG1020390
Tetrachloroethene	U		0.000306	0.00111	1	09/14/2017 19:21	WG1020390
Toluene	U		0.000481	0.00554	1	09/14/2017 19:21	WG1020390
1,2,3-Trichlorobenzene	U		0.000339	0.00111	1	09/14/2017 19:21	WG1020390
1,2,4-Trichlorobenzene	U		0.000430	0.00111	1	09/14/2017 19:21	WG1020390
1,1,1-Trichloroethane	U		0.000317	0.00111	1	09/14/2017 19:21	WG1020390
1,1,2-Trichloroethane	U		0.000307	0.00111	1	09/14/2017 19:21	WG1020390
Trichloroethene	U		0.000309	0.00111	1	09/14/2017 19:21	WG1020390
Trichlorofluoromethane	U		0.000423	0.00554	1	09/14/2017 19:21	WG1020390
1,2,3-Trichloropropane	U		0.000821	0.00277	1	09/14/2017 19:21	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000234	0.00111	1	09/14/2017 19:21	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000318	0.00111	1	09/14/2017 19:21	WG1020390
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/14/2017 19:21	WG1020390
Vinyl acetate	U		0.00265	0.0111	1	09/14/2017 19:21	WG1020390
Vinyl chloride	U		0.000322	0.00111	1	09/14/2017 19:21	WG1020390
Xylenes, Total	U		0.000773	0.00332	1	09/14/2017 19:21	WG1020390
(S) Toluene-d8	*100*			*80.0-120*		*09/14/2017 19:21*	WG1020390
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*09/14/2017 19:21*	WG1020390
(S) 4-Bromofluorobenzene	*88.1*			*64.0-132*		*09/14/2017 19:21*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.6		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	0.0529	1	09/14/2017 19:41	WG1020390
Acrylonitrile	U		0.00189	0.0106	1	09/14/2017 19:41	WG1020390
Benzene	U		0.000285	0.00106	1	09/14/2017 19:41	WG1020390
Bromobenzene	U UJ	J0	0.000300	0.00106	1	09/14/2017 19:41	WG1020390
Bromodichloromethane	U		0.000268	0.00106	1	09/14/2017 19:41	WG1020390
Bromochloromethane	U		0.000412	0.00529	1	09/14/2017 19:41	WG1020390
Bromoform	U		0.000448	0.00106	1	09/14/2017 19:41	WG1020390
Bromomethane	U		0.00142	0.00529	1	09/14/2017 19:41	WG1020390
n-Butylbenzene	U		0.000273	0.00106	1	09/14/2017 19:41	WG1020390
sec-Butylbenzene	U		0.000212	0.00106	1	09/14/2017 19:41	WG1020390
tert-Butylbenzene	U		0.000218	0.00106	1	09/14/2017 19:41	WG1020390
Carbon disulfide	0.000913 J	J	0.000234	0.00106	1	09/14/2017 19:41	WG1020390
Carbon tetrachloride	U		0.000347	0.00106	1	09/14/2017 19:41	WG1020390
Chlorobenzene	U		0.000224	0.00106	1	09/14/2017 19:41	WG1020390
Chlorodibromomethane	U		0.000394	0.00106	1	09/14/2017 19:41	WG1020390
Chloroethane	U UJ	J0	0.00100	0.00529	1	09/14/2017 19:41	WG1020390
Chloroform	U		0.000242	0.00529	1	09/14/2017 19:41	WG1020390
Chloromethane	U UJ	J0	0.000396	0.00264	1	09/14/2017 19:41	WG1020390
2-Chlorotoluene	U		0.000318	0.00106	1	09/14/2017 19:41	WG1020390
4-Chlorotoluene	U		0.000254	0.00106	1	09/14/2017 19:41	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00529	1	09/14/2017 19:41	WG1020390
1,2-Dibromoethane	U		0.000363	0.00106	1	09/14/2017 19:41	WG1020390
Dibromomethane	U		0.000404	0.00106	1	09/14/2017 19:41	WG1020390
1,2-Dichlorobenzene	U		0.000322	0.00106	1	09/14/2017 19:41	WG1020390
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/14/2017 19:41	WG1020390
1,4-Dichlorobenzene	U		0.000239	0.00106	1	09/14/2017 19:41	WG1020390
Dichlorodifluoromethane	U		0.000754	0.00529	1	09/14/2017 19:41	WG1020390
1,1-Dichloroethane	U		0.000210	0.00106	1	09/14/2017 19:41	WG1020390
1,2-Dichloroethane	U		0.000280	0.00106	1	09/14/2017 19:41	WG1020390
1,1-Dichloroethene	U		0.000320	0.00106	1	09/14/2017 19:41	WG1020390
cis-1,2-Dichloroethene	U		0.000248	0.00106	1	09/14/2017 19:41	WG1020390
trans-1,2-Dichloroethene	U		0.000279	0.00106	1	09/14/2017 19:41	WG1020390
1,2-Dichloropropane	U		0.000378	0.00106	1	09/14/2017 19:41	WG1020390
1,1-Dichloropropene	U		0.000335	0.00106	1	09/14/2017 19:41	WG1020390
1,3-Dichloropropane	U		0.000219	0.00106	1	09/14/2017 19:41	WG1020390
cis-1,3-Dichloropropene	U		0.000277	0.00106	1	09/14/2017 19:41	WG1020390
trans-1,3-Dichloropropene	U		0.000282	0.00106	1	09/14/2017 19:41	WG1020390
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000822	0.00264	1	09/14/2017 19:41	WG1020390
2,2-Dichloropropane	U		0.000295	0.00106	1	09/14/2017 19:41	WG1020390
Di-isopropyl ether	U		0.000262	0.00106	1	09/14/2017 19:41	WG1020390
Ethylbenzene	U		0.000314	0.00106	1	09/14/2017 19:41	WG1020390
Hexachloro-1,3-butadiene	U		0.000362	0.00106	1	09/14/2017 19:41	WG1020390
2-Hexanone	U		0.00145	0.0106	1	09/14/2017 19:41	WG1020390
n-Hexane	U UJ	J0	0.000307	0.0106	1	09/14/2017 19:41	WG1020390
Iodomethane	U		0.00267	0.0106	1	09/14/2017 19:41	WG1020390
Isopropylbenzene	U		0.000257	0.00106	1	09/14/2017 19:41	WG1020390
p-Isopropyltoluene	U		0.000216	0.00106	1	09/14/2017 19:41	WG1020390
2-Butanone (MEK)	U UJ	J0	0.00495	0.0106	1	09/14/2017 19:41	WG1020390
Methylene Chloride	U		0.00106	0.00529	1	09/14/2017 19:41	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/14/2017 19:41	WG1020390

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000224	0.00106	1	09/14/2017 19:41	WG1020390
Naphthalene	U		0.00106	0.00529	1	09/14/2017 19:41	WG1020390
n-Propylbenzene	U		0.000218	0.00106	1	09/14/2017 19:41	WG1020390
Styrene	U		0.000247	0.00106	1	09/14/2017 19:41	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000279	0.00106	1	09/14/2017 19:41	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000386	0.00106	1	09/14/2017 19:41	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000386	0.00106	1	09/14/2017 19:41	WG1020390
Tetrachloroethene	U		0.000292	0.00106	1	09/14/2017 19:41	WG1020390
Toluene	U		0.000459	0.00529	1	09/14/2017 19:41	WG1020390
1,2,3-Trichlorobenzene	U		0.000323	0.00106	1	09/14/2017 19:41	WG1020390
1,2,4-Trichlorobenzene	U		0.000410	0.00106	1	09/14/2017 19:41	WG1020390
1,1,1-Trichloroethane	U		0.000302	0.00106	1	09/14/2017 19:41	WG1020390
1,1,2-Trichloroethane	U		0.000293	0.00106	1	09/14/2017 19:41	WG1020390
Trichloroethene	U		0.000295	0.00106	1	09/14/2017 19:41	WG1020390
Trichlorofluoromethane	U		0.000404	0.00529	1	09/14/2017 19:41	WG1020390
1,2,3-Trichloropropane	U		0.000783	0.00264	1	09/14/2017 19:41	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000223	0.00106	1	09/14/2017 19:41	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000303	0.00106	1	09/14/2017 19:41	WG1020390
1,3,5-Trimethylbenzene	U		0.000281	0.00106	1	09/14/2017 19:41	WG1020390
Vinyl acetate	U		0.00253	0.0106	1	09/14/2017 19:41	WG1020390
Vinyl chloride	U		0.000308	0.00106	1	09/14/2017 19:41	WG1020390
Xylenes, Total	U		0.000738	0.00317	1	09/14/2017 19:41	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/14/2017 19:41*	WG1020390
(S) Dibromofluoromethane	*95.4*			*74.0-131*		*09/14/2017 19:41*	WG1020390
(S) 4-Bromofluorobenzene	*87.0*			*64.0-132*		*09/14/2017 19:41*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	09/14/2017 20:02	WG1020390
Acrylonitrile	U		0.00201	0.0112	1	09/14/2017 20:02	WG1020390
Benzene	U		0.000304	0.00112	1	09/14/2017 20:02	WG1020390
Bromobenzene	U UJ	J0	0.000319	0.00112	1	09/14/2017 20:02	WG1020390
Bromodichloromethane	U		0.000286	0.00112	1	09/14/2017 20:02	WG1020390
Bromochloromethane	U		0.000439	0.00562	1	09/14/2017 20:02	WG1020390
Bromoform	U		0.000477	0.00112	1	09/14/2017 20:02	WG1020390
Bromomethane	U		0.00151	0.00562	1	09/14/2017 20:02	WG1020390
n-Butylbenzene	U		0.000290	0.00112	1	09/14/2017 20:02	WG1020390
sec-Butylbenzene	U		0.000226	0.00112	1	09/14/2017 20:02	WG1020390
tert-Butylbenzene	U		0.000232	0.00112	1	09/14/2017 20:02	WG1020390
Carbon disulfide	0.00276		0.000249	0.00112	1	09/14/2017 20:02	WG1020390
Carbon tetrachloride	U		0.000369	0.00112	1	09/14/2017 20:02	WG1020390
Chlorobenzene	U		0.000238	0.00112	1	09/14/2017 20:02	WG1020390
Chlorodibromomethane	U		0.000420	0.00112	1	09/14/2017 20:02	WG1020390
Chloroethane	U UJ	J0	0.00106	0.00562	1	09/14/2017 20:02	WG1020390
Chloroform	U		0.000258	0.00562	1	09/14/2017 20:02	WG1020390
Chloromethane	0.00179 J	J J0	0.000422	0.00281	1	09/14/2017 20:02	WG1020390
2-Chlorotoluene	U		0.000339	0.00112	1	09/14/2017 20:02	WG1020390
4-Chlorotoluene	U		0.000270	0.00112	1	09/14/2017 20:02	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00562	1	09/14/2017 20:02	WG1020390
1,2-Dibromoethane	U		0.000386	0.00112	1	09/14/2017 20:02	WG1020390
Dibromomethane	U		0.000430	0.00112	1	09/14/2017 20:02	WG1020390
1,2-Dichlorobenzene	U		0.000343	0.00112	1	09/14/2017 20:02	WG1020390
1,3-Dichlorobenzene	U		0.000269	0.00112	1	09/14/2017 20:02	WG1020390
1,4-Dichlorobenzene	U		0.000254	0.00112	1	09/14/2017 20:02	WG1020390
Dichlorodifluoromethane	U		0.000802	0.00562	1	09/14/2017 20:02	WG1020390
1,1-Dichloroethane	U		0.000224	0.00112	1	09/14/2017 20:02	WG1020390
1,2-Dichloroethane	U		0.000298	0.00112	1	09/14/2017 20:02	WG1020390
1,1-Dichloroethene	U		0.000341	0.00112	1	09/14/2017 20:02	WG1020390
cis-1,2-Dichloroethene	U		0.000264	0.00112	1	09/14/2017 20:02	WG1020390
trans-1,2-Dichloroethene	U		0.000297	0.00112	1	09/14/2017 20:02	WG1020390
1,2-Dichloropropane	U		0.000403	0.00112	1	09/14/2017 20:02	WG1020390
1,1-Dichloropropene	U		0.000357	0.00112	1	09/14/2017 20:02	WG1020390
1,3-Dichloropropane	U		0.000233	0.00112	1	09/14/2017 20:02	WG1020390
cis-1,3-Dichloropropene	U		0.000295	0.00112	1	09/14/2017 20:02	WG1020390
trans-1,3-Dichloropropene	U		0.000300	0.00112	1	09/14/2017 20:02	WG1020390
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000875	0.00281	1	09/14/2017 20:02	WG1020390
2,2-Dichloropropane	U		0.000314	0.00112	1	09/14/2017 20:02	WG1020390
Di-isopropyl ether	U		0.000279	0.00112	1	09/14/2017 20:02	WG1020390
Ethylbenzene	U		0.000334	0.00112	1	09/14/2017 20:02	WG1020390
Hexachloro-1,3-butadiene	U		0.000385	0.00112	1	09/14/2017 20:02	WG1020390
2-Hexanone	U		0.00154	0.0112	1	09/14/2017 20:02	WG1020390
n-Hexane	0.00365 J	J J0	0.000326	0.0112	1	09/14/2017 20:02	WG1020390
Iodomethane	U		0.00285	0.0112	1	09/14/2017 20:02	WG1020390
Isopropylbenzene	U		0.000273	0.00112	1	09/14/2017 20:02	WG1020390
p-Isopropyltoluene	U		0.000229	0.00112	1	09/14/2017 20:02	WG1020390
2-Butanone (MEK)	U UJ	J0	0.00526	0.0112	1	09/14/2017 20:02	WG1020390
Methylene Chloride	U		0.00112	0.00562	1	09/14/2017 20:02	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	09/14/2017 20:02	WG1020390

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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	09/14/2017 20:02	WG1020390
Naphthalene	U		0.00112	0.00562	1	09/14/2017 20:02	WG1020390
n-Propylbenzene	U		0.000232	0.00112	1	09/14/2017 20:02	WG1020390
Styrene	U		0.000263	0.00112	1	09/14/2017 20:02	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000297	0.00112	1	09/14/2017 20:02	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000411	0.00112	1	09/14/2017 20:02	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000411	0.00112	1	09/14/2017 20:02	WG1020390
Tetrachloroethene	U		0.000310	0.00112	1	09/14/2017 20:02	WG1020390
Toluene	U		0.000488	0.00562	1	09/14/2017 20:02	WG1020390
1,2,3-Trichlorobenzene	U		0.000344	0.00112	1	09/14/2017 20:02	WG1020390
1,2,4-Trichlorobenzene	U		0.000436	0.00112	1	09/14/2017 20:02	WG1020390
1,1,1-Trichloroethane	U		0.000322	0.00112	1	09/14/2017 20:02	WG1020390
1,1,2-Trichloroethane	U		0.000312	0.00112	1	09/14/2017 20:02	WG1020390
Trichloroethene	U		0.000314	0.00112	1	09/14/2017 20:02	WG1020390
Trichlorofluoromethane	U		0.000430	0.00562	1	09/14/2017 20:02	WG1020390
1,2,3-Trichloropropane	U		0.000833	0.00281	1	09/14/2017 20:02	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000237	0.00112	1	09/14/2017 20:02	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000323	0.00112	1	09/14/2017 20:02	WG1020390
1,3,5-Trimethylbenzene	U		0.000299	0.00112	1	09/14/2017 20:02	WG1020390
Vinyl acetate	U		0.00269	0.0112	1	09/14/2017 20:02	WG1020390
Vinyl chloride	U		0.000327	0.00112	1	09/14/2017 20:02	WG1020390
Xylenes, Total	U		0.000785	0.00337	1	09/14/2017 20:02	WG1020390
(S) Toluene-d8	*101*			*80.0-120*		*09/14/2017 20:02*	WG1020390
(S) Dibromofluoromethane	*98.6*			*74.0-131*		*09/14/2017 20:02*	WG1020390
(S) 4-Bromofluorobenzene	*84.3*			*64.0-132*		*09/14/2017 20:02*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.4		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	0.286	1.43	25	09/14/2017 20:43	WG1020390
Acrylonitrile	U			0.0512	0.286	25	09/14/2017 20:43	WG1020390
Benzene	U			0.00772	0.0286	25	09/14/2017 20:43	WG1020390
Bromobenzene	U	UJ	J0	0.00812	0.0286	25	09/14/2017 20:43	WG1020390
Bromodichloromethane	U			0.00726	0.0286	25	09/14/2017 20:43	WG1020390
Bromochloromethane	U			0.0112	0.143	25	09/14/2017 20:43	WG1020390
Bromoform	U			0.0121	0.0286	25	09/14/2017 20:43	WG1020390
Bromomethane	U			0.0383	0.143	25	09/14/2017 20:43	WG1020390
n-Butylbenzene	U			0.00738	0.0286	25	09/14/2017 20:43	WG1020390
sec-Butylbenzene	U			0.00574	0.0286	25	09/14/2017 20:43	WG1020390
tert-Butylbenzene	U			0.00589	0.0286	25	09/14/2017 20:43	WG1020390
Carbon disulfide	U			0.00631	0.0286	25	09/14/2017 20:43	WG1020390
Carbon tetrachloride	U			0.00938	0.0286	25	09/14/2017 20:43	WG1020390
Chlorobenzene	U			0.00606	0.0286	25	09/14/2017 20:43	WG1020390
Chlorodibromomethane	U			0.0107	0.0286	25	09/14/2017 20:43	WG1020390
Chloroethane	U	UJ	J0	0.0270	0.143	25	09/14/2017 20:43	WG1020390
Chloroform	U			0.00654	0.143	25	09/14/2017 20:43	WG1020390
Chloromethane	U	UJ	J0	0.0107	0.0715	25	09/14/2017 20:43	WG1020390
2-Chlorotoluene	U			0.00860	0.0286	25	09/14/2017 20:43	WG1020390
4-Chlorotoluene	U			0.00686	0.0286	25	09/14/2017 20:43	WG1020390
1,2-Dibromo-3-Chloropropane	U			0.0300	0.143	25	09/14/2017 20:43	WG1020390
1,2-Dibromoethane	U			0.00981	0.0286	25	09/14/2017 20:43	WG1020390
Dibromomethane	U			0.0109	0.0286	25	09/14/2017 20:43	WG1020390
1,2-Dichlorobenzene	U			0.00872	0.0286	25	09/14/2017 20:43	WG1020390
1,3-Dichlorobenzene	U			0.00684	0.0286	25	09/14/2017 20:43	WG1020390
1,4-Dichlorobenzene	U			0.00646	0.0286	25	09/14/2017 20:43	WG1020390
Dichlorodifluoromethane	U			0.0204	0.143	25	09/14/2017 20:43	WG1020390
1,1-Dichloroethane	U			0.00570	0.0286	25	09/14/2017 20:43	WG1020390
1,2-Dichloroethane	U			0.00757	0.0286	25	09/14/2017 20:43	WG1020390
1,1-Dichloroethene	0.0242	j	J	0.00867	0.0286	25	09/14/2017 20:43	WG1020390
cis-1,2-Dichloroethene	1.55			0.00673	0.0286	25	09/14/2017 20:43	WG1020390
trans-1,2-Dichloroethene	U			0.00755	0.0286	25	09/14/2017 20:43	WG1020390
1,2-Dichloropropane	U			0.0102	0.0286	25	09/14/2017 20:43	WG1020390
1,1-Dichloropropene	U			0.00906	0.0286	25	09/14/2017 20:43	WG1020390
1,3-Dichloropropane	U			0.00592	0.0286	25	09/14/2017 20:43	WG1020390
cis-1,3-Dichloropropene	U			0.00749	0.0286	25	09/14/2017 20:43	WG1020390
trans-1,3-Dichloropropene	U			0.00764	0.0286	25	09/14/2017 20:43	WG1020390
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.0222	0.0715	25	09/14/2017 20:43	WG1020390
2,2-Dichloropropane	U			0.00798	0.0286	25	09/14/2017 20:43	WG1020390
Di-isopropyl ether	U			0.00709	0.0286	25	09/14/2017 20:43	WG1020390
Ethylbenzene	U			0.00849	0.0286	25	09/14/2017 20:43	WG1020390
Hexachloro-1,3-butadiene	U			0.00978	0.0286	25	09/14/2017 20:43	WG1020390
2-Hexanone	U			0.0391	0.286	25	09/14/2017 20:43	WG1020390
n-Hexane	U	UJ	J0	0.00829	0.286	25	09/14/2017 20:43	WG1020390
Iodomethane	U			0.0723	0.286	25	09/14/2017 20:43	WG1020390
Isopropylbenzene	U			0.00695	0.0286	25	09/14/2017 20:43	WG1020390
p-Isopropyltoluene	U			0.00583	0.0286	25	09/14/2017 20:43	WG1020390
2-Butanone (MEK)	U	UJ	J0	0.134	0.286	25	09/14/2017 20:43	WG1020390
Methylene Chloride	U			0.0286	0.143	25	09/14/2017 20:43	WG1020390
4-Methyl-2-pentanone (MIBK)	U			0.0538	0.286	25	09/14/2017 20:43	WG1020390

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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		0.00606	0.0286	25	09/14/2017 20:43	WG1020390
Naphthalene	U		0.0286	0.143	25	09/14/2017 20:43	WG1020390
n-Propylbenzene	U		0.00589	0.0286	25	09/14/2017 20:43	WG1020390
Styrene	U		0.00669	0.0286	25	09/14/2017 20:43	WG1020390
1,1,1,2-Tetrachloroethane	U		0.00755	0.0286	25	09/14/2017 20:43	WG1020390
1,1,2,2-Tetrachloroethane	U		0.0104	0.0286	25	09/14/2017 20:43	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.0104	0.0286	25	09/14/2017 20:43	WG1020390
Tetrachloroethene	11.1		0.0789	0.286	250	09/18/2017 16:40	WG1020390
Toluene	U		0.0124	0.143	25	09/14/2017 20:43	WG1020390
1,2,3-Trichlorobenzene	U		0.00875	0.0286	25	09/14/2017 20:43	WG1020390
1,2,4-Trichlorobenzene	U		0.0111	0.0286	25	09/14/2017 20:43	WG1020390
1,1,1-Trichloroethane	U		0.00818	0.0286	25	09/14/2017 20:43	WG1020390
1,1,2-Trichloroethane	U		0.00791	0.0286	25	09/14/2017 20:43	WG1020390
Trichloroethene	1.02		0.00798	0.0286	25	09/14/2017 20:43	WG1020390
Trichlorofluoromethane	U		0.0109	0.143	25	09/14/2017 20:43	WG1020390
1,2,3-Trichloropropane	U		0.0212	0.0715	25	09/14/2017 20:43	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.00604	0.0286	25	09/14/2017 20:43	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.00821	0.0286	25	09/14/2017 20:43	WG1020390
1,3,5-Trimethylbenzene	U		0.00761	0.0286	25	09/14/2017 20:43	WG1020390
Vinyl acetate	U		0.0684	0.286	25	09/14/2017 20:43	WG1020390
Vinyl chloride	U		0.00833	0.0286	25	09/14/2017 20:43	WG1020390
Xylenes, Total	U		0.0199	0.0858	25	09/14/2017 20:43	WG1020390
(S) Toluene-d8	*104*			*80.0-120*		*09/14/2017 20:43*	WG1020390
(S) Toluene-d8	*111*			*80.0-120*		*09/18/2017 16:40*	WG1020390
(S) Dibromofluoromethane	*91.8*			*74.0-131*		*09/14/2017 20:43*	WG1020390
(S) Dibromofluoromethane	*95.0*			*74.0-131*		*09/18/2017 16:40*	WG1020390
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/18/2017 16:40*	WG1020390
(S) 4-Bromofluorobenzene	*90.9*			*64.0-132*		*09/14/2017 20:43*	WG1020390

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	09/19/2017 09:14	WG1021489

Volatile Organic Compounds (GC/MS) 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	09/14/2017 20:23	WG1020390
Acrylonitrile	U		0.00197	0.0110	1	09/14/2017 20:23	WG1020390
Benzene	U		0.000298	0.00110	1	09/14/2017 20:23	WG1020390
Bromobenzene	U UJ	J0	0.000313	0.00110	1	09/14/2017 20:23	WG1020390
Bromodichloromethane	U		0.000280	0.00110	1	09/14/2017 20:23	WG1020390
Bromochloromethane	U		0.000430	0.00551	1	09/14/2017 20:23	WG1020390
Bromoform	U		0.000468	0.00110	1	09/14/2017 20:23	WG1020390
Bromomethane	U		0.00148	0.00551	1	09/14/2017 20:23	WG1020390
n-Butylbenzene	U		0.000285	0.00110	1	09/14/2017 20:23	WG1020390
sec-Butylbenzene	U		0.000222	0.00110	1	09/14/2017 20:23	WG1020390
tert-Butylbenzene	U		0.000227	0.00110	1	09/14/2017 20:23	WG1020390
Carbon disulfide	0.000331 j	J	0.000244	0.00110	1	09/14/2017 20:23	WG1020390
Carbon tetrachloride	U		0.000362	0.00110	1	09/14/2017 20:23	WG1020390
Chlorobenzene	U		0.000234	0.00110	1	09/14/2017 20:23	WG1020390
Chlorodibromomethane	U		0.000411	0.00110	1	09/14/2017 20:23	WG1020390
Chloroethane	U UJ	J0	0.00104	0.00551	1	09/14/2017 20:23	WG1020390
Chloroform	U		0.000253	0.00551	1	09/14/2017 20:23	WG1020390
Chloromethane	U UJ	J0	0.000414	0.00276	1	09/14/2017 20:23	WG1020390
2-Chlorotoluene	U		0.000332	0.00110	1	09/14/2017 20:23	WG1020390
4-Chlorotoluene	U		0.000265	0.00110	1	09/14/2017 20:23	WG1020390
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	09/14/2017 20:23	WG1020390
1,2-Dibromoethane	U		0.000378	0.00110	1	09/14/2017 20:23	WG1020390
Dibromomethane	U		0.000421	0.00110	1	09/14/2017 20:23	WG1020390
1,2-Dichlorobenzene	U		0.000336	0.00110	1	09/14/2017 20:23	WG1020390
1,3-Dichlorobenzene	U		0.000264	0.00110	1	09/14/2017 20:23	WG1020390
1,4-Dichlorobenzene	U		0.000249	0.00110	1	09/14/2017 20:23	WG1020390
Dichlorodifluoromethane	U		0.000786	0.00551	1	09/14/2017 20:23	WG1020390
1,1-Dichloroethane	U		0.000219	0.00110	1	09/14/2017 20:23	WG1020390
1,2-Dichloroethane	U		0.000292	0.00110	1	09/14/2017 20:23	WG1020390
1,1-Dichloroethene	U		0.000334	0.00110	1	09/14/2017 20:23	WG1020390
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	09/14/2017 20:23	WG1020390
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	09/14/2017 20:23	WG1020390
1,2-Dichloropropane	U		0.000395	0.00110	1	09/14/2017 20:23	WG1020390
1,1-Dichloropropene	U		0.000350	0.00110	1	09/14/2017 20:23	WG1020390
1,3-Dichloropropane	U		0.000228	0.00110	1	09/14/2017 20:23	WG1020390
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	09/14/2017 20:23	WG1020390
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	09/14/2017 20:23	WG1020390
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000858	0.00276	1	09/14/2017 20:23	WG1020390
2,2-Dichloropropane	U		0.000308	0.00110	1	09/14/2017 20:23	WG1020390
Di-isopropyl ether	U		0.000273	0.00110	1	09/14/2017 20:23	WG1020390
Ethylbenzene	U		0.000328	0.00110	1	09/14/2017 20:23	WG1020390
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	09/14/2017 20:23	WG1020390
2-Hexanone	U		0.00151	0.0110	1	09/14/2017 20:23	WG1020390
n-Hexane	U UJ	J0	0.000320	0.0110	1	09/14/2017 20:23	WG1020390
Iodomethane	U		0.00279	0.0110	1	09/14/2017 20:23	WG1020390
Isopropylbenzene	U		0.000268	0.00110	1	09/14/2017 20:23	WG1020390
p-Isopropyltoluene	U		0.000225	0.00110	1	09/14/2017 20:23	WG1020390
2-Butanone (MEK)	U UJ	J0	0.00516	0.0110	1	09/14/2017 20:23	WG1020390
Methylene Chloride	U		0.00110	0.00551	1	09/14/2017 20:23	WG1020390
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	09/14/2017 20:23	WG1020390

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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	09/14/2017 20:23	WG1020390
Naphthalene	U		0.00110	0.00551	1	09/14/2017 20:23	WG1020390
n-Propylbenzene	U		0.000227	0.00110	1	09/14/2017 20:23	WG1020390
Styrene	U		0.000258	0.00110	1	09/14/2017 20:23	WG1020390
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	09/14/2017 20:23	WG1020390
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	09/14/2017 20:23	WG1020390
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	09/14/2017 20:23	WG1020390
Tetrachloroethene	U		0.000304	0.00110	1	09/14/2017 20:23	WG1020390
Toluene	U		0.000479	0.00551	1	09/14/2017 20:23	WG1020390
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	09/14/2017 20:23	WG1020390
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	09/14/2017 20:23	WG1020390
1,1,1-Trichloroethane	U		0.000315	0.00110	1	09/14/2017 20:23	WG1020390
1,1,2-Trichloroethane	U		0.000305	0.00110	1	09/14/2017 20:23	WG1020390
Trichloroethene	U		0.000308	0.00110	1	09/14/2017 20:23	WG1020390
Trichlorofluoromethane	U		0.000421	0.00551	1	09/14/2017 20:23	WG1020390
1,2,3-Trichloropropane	U		0.000817	0.00276	1	09/14/2017 20:23	WG1020390
1,2,4-Trimethylbenzene	U	UJ J0	0.000233	0.00110	1	09/14/2017 20:23	WG1020390
1,2,3-Trimethylbenzene	U	UJ J0	0.000316	0.00110	1	09/14/2017 20:23	WG1020390
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	09/14/2017 20:23	WG1020390
Vinyl acetate	U		0.00264	0.0110	1	09/14/2017 20:23	WG1020390
Vinyl chloride	U		0.000321	0.00110	1	09/14/2017 20:23	WG1020390
Xylenes, Total	U		0.000770	0.00331	1	09/14/2017 20:23	WG1020390
(S) Toluene-d8	*97.7*			*80.0-120*		*09/14/2017 20:23*	WG1020390
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/14/2017 20:23*	WG1020390
(S) 4-Bromofluorobenzene	*89.1*			*64.0-132*		*09/14/2017 20:23*	WG1020390

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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	09/14/2017 12:47	WG1020322
Acrylonitrile	U		0.873	5.00	1	09/14/2017 12:47	WG1020322
Benzene	U		0.0896	0.500	1	09/14/2017 12:47	WG1020322
Bromobenzene	U		0.133	0.500	1	09/14/2017 12:47	WG1020322
Bromodichloromethane	U		0.0800	0.500	1	09/14/2017 12:47	WG1020322
Bromochloromethane	U		0.145	0.500	1	09/14/2017 12:47	WG1020322
Bromoform	U		0.186	0.500	1	09/14/2017 12:47	WG1020322
Bromomethane	U		0.157	2.50	1	09/14/2017 12:47	WG1020322
n-Butylbenzene	U		0.143	0.500	1	09/14/2017 12:47	WG1020322
sec-Butylbenzene	U		0.134	0.500	1	09/14/2017 12:47	WG1020322
tert-Butylbenzene	U		0.183	0.500	1	09/14/2017 12:47	WG1020322
Carbon disulfide	U		0.101	0.500	1	09/14/2017 12:47	WG1020322
Carbon tetrachloride	U		0.159	0.500	1	09/14/2017 12:47	WG1020322
Chlorobenzene	U		0.140	0.500	1	09/14/2017 12:47	WG1020322
Chlorodibromomethane	U		0.128	0.500	1	09/14/2017 12:47	WG1020322
Chloroethane	U		0.141	2.50	1	09/14/2017 12:47	WG1020322
Chloroform	U		0.0860	0.500	1	09/14/2017 12:47	WG1020322
Chloromethane	U		0.153	1.25	1	09/14/2017 12:47	WG1020322
2-Chlorotoluene	U		0.111	0.500	1	09/14/2017 12:47	WG1020322
4-Chlorotoluene	U		0.0972	0.500	1	09/14/2017 12:47	WG1020322
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/14/2017 12:47	WG1020322
1,2-Dibromoethane	U		0.193	0.500	1	09/14/2017 12:47	WG1020322
Dibromomethane	U		0.117	0.500	1	09/14/2017 12:47	WG1020322
1,2-Dichlorobenzene	U		0.101	0.500	1	09/14/2017 12:47	WG1020322
1,3-Dichlorobenzene	U		0.130	0.500	1	09/14/2017 12:47	WG1020322
1,4-Dichlorobenzene	U		0.121	0.500	1	09/14/2017 12:47	WG1020322
Dichlorodifluoromethane	U		0.127	2.50	1	09/14/2017 12:47	WG1020322
1,1-Dichloroethane	U		0.114	0.500	1	09/14/2017 12:47	WG1020322
1,2-Dichloroethane	U		0.108	0.500	1	09/14/2017 12:47	WG1020322
1,1-Dichloroethene	U		0.188	0.500	1	09/14/2017 12:47	WG1020322
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/14/2017 12:47	WG1020322
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/14/2017 12:47	WG1020322
1,2-Dichloropropane	U		0.190	0.500	1	09/14/2017 12:47	WG1020322
1,1-Dichloropropene	U		0.128	0.500	1	09/14/2017 12:47	WG1020322
1,3-Dichloropropane	U		0.147	1.00	1	09/14/2017 12:47	WG1020322
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/14/2017 12:47	WG1020322
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/14/2017 12:47	WG1020322
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/14/2017 12:47	WG1020322
2,2-Dichloropropane	U		0.0929	0.500	1	09/14/2017 12:47	WG1020322
Di-isopropyl ether	U		0.0924	0.500	1	09/14/2017 12:47	WG1020322
Ethylbenzene	U		0.158	0.500	1	09/14/2017 12:47	WG1020322
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/14/2017 12:47	WG1020322
2-Hexanone	U		0.757	5.00	1	09/14/2017 12:47	WG1020322
n-Hexane	U		0.305	5.00	1	09/14/2017 12:47	WG1020322
Iodomethane	U		0.377	10.0	1	09/14/2017 12:47	WG1020322
Isopropylbenzene	U		0.126	0.500	1	09/14/2017 12:47	WG1020322
p-Isopropyltoluene	U		0.138	0.500	1	09/14/2017 12:47	WG1020322
2-Butanone (MEK)	U		1.28	5.00	1	09/14/2017 12:47	WG1020322
Methylene Chloride	U		1.07	2.50	1	09/14/2017 12:47	WG1020322
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/14/2017 12:47	WG1020322
Methyl tert-butyl ether	U		0.102	0.500	1	09/14/2017 12:47	WG1020322
Naphthalene	U		0.174	2.50	1	09/14/2017 12:47	WG1020322
n-Propylbenzene	U		0.162	0.500	1	09/14/2017 12:47	WG1020322
Styrene	U		0.117	0.500	1	09/14/2017 12:47	WG1020322
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/14/2017 12:47	WG1020322
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/14/2017 12:47	WG1020322

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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	09/14/2017 12:47	WG1020322
Tetrachloroethene	U		0.199	0.500	1	09/14/2017 12:47	WG1020322
Toluene	U		0.412	0.500	1	09/14/2017 12:47	WG1020322
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/14/2017 12:47	WG1020322
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/14/2017 12:47	WG1020322
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/14/2017 12:47	WG1020322
1,1,2-Trichloroethane	U		0.186	0.500	1	09/14/2017 12:47	WG1020322
Trichloroethene	U		0.153	0.500	1	09/14/2017 12:47	WG1020322
Trichlorofluoromethane	U		0.130	2.50	1	09/14/2017 12:47	WG1020322
1,2,3-Trichloropropane	U		0.247	2.50	1	09/14/2017 12:47	WG1020322
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/14/2017 12:47	WG1020322
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/14/2017 12:47	WG1020322
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/14/2017 12:47	WG1020322
Vinyl acetate	U		0.645	5.00	1	09/14/2017 12:47	WG1020322
Vinyl chloride	U		0.118	0.500	1	09/14/2017 12:47	WG1020322
Xylenes, Total	U		0.316	1.50	1	09/14/2017 12:47	WG1020322
(S) Toluene-d8	*104*			*80.0-120*		*09/14/2017 12:47*	WG1020322
(S) Dibromofluoromethane	*99.6*			*76.0-123*		*09/14/2017 12:47*	WG1020322
(S) 4-Bromofluorobenzene	*100*			*80.0-120*		*09/14/2017 12:47*	WG1020322

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ANALYTICAL REPORT

September 21, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L936401
Samples Received:	09/14/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	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.

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B-910-90 L936401-01 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	09/13/17 09:30	09/14/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021766	1	09/19/17 12:48	09/19/17 13:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020800	1	09/13/17 09:30	09/15/17 15:04	ACG

B-215-85 L936401-02 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	09/13/17 10:15	09/14/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021766	1	09/19/17 12:48	09/19/17 13:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020800	1	09/13/17 10:15	09/15/17 15:24	ACG

MW-138-65 L936401-03 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	09/13/17 10:30	09/14/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021766	1	09/19/17 12:48	09/19/17 13:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020800	1	09/13/17 10:30	09/15/17 15:43	ACG

B-909-115 L936401-04 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	09/13/17 11:30	09/14/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021766	1	09/19/17 12:48	09/19/17 13:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020800	1	09/13/17 11:30	09/20/17 15:30	DWR

MW-138-75 L936401-05 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	09/13/17 11:15	09/14/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021766	1	09/19/17 12:48	09/19/17 13:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020800	1	09/13/17 11:15	09/15/17 16:23	ACG

MW-138-85 L936401-06 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	09/13/17 11:40	09/14/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021766	1	09/19/17 12:48	09/19/17 13:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020800	1	09/13/17 11:40	09/15/17 16:42	ACG

MW-138-95 L936401-07 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	09/13/17 13:05	09/14/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021766	1	09/19/17 12:48	09/19/17 13:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020800	1	09/13/17 13:05	09/15/17 17:02	ACG

MW-138-105 L936401-08 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	09/13/17 12:55	09/14/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021766	1	09/19/17 12:48	09/19/17 13:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020800	1	09/13/17 12:55	09/15/17 17:22	ACG

B-215-95 L936401-09 Solid

Collected by	Collected date/time	Received date/time
Karsten Springstead	09/13/17 10:50	09/14/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1021766	1	09/19/17 12:48	09/19/17 13:04	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1020800	1	09/13/17 10:50	09/15/17 17:41	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	86.3		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	0.0579	1	09/15/2017 15:04	WG1020800
Acrylonitrile	U		0.00207	0.0116	1	09/15/2017 15:04	WG1020800
Benzene	U		0.000313	0.00116	1	09/15/2017 15:04	WG1020800
Bromobenzene	U		0.000329	0.00116	1	09/15/2017 15:04	WG1020800
Bromodichloromethane	U		0.000294	0.00116	1	09/15/2017 15:04	WG1020800
Bromochloromethane	U	J6	0.000452	0.00579	1	09/15/2017 15:04	WG1020800
Bromoform	U		0.000491	0.00116	1	09/15/2017 15:04	WG1020800
Bromomethane	U	J6	0.00155	0.00579	1	09/15/2017 15:04	WG1020800
n-Butylbenzene	U		0.000299	0.00116	1	09/15/2017 15:04	WG1020800
sec-Butylbenzene	U		0.000233	0.00116	1	09/15/2017 15:04	WG1020800
tert-Butylbenzene	U		0.000239	0.00116	1	09/15/2017 15:04	WG1020800
Carbon disulfide	0.000476	J J6	0.000256	0.00116	1	09/15/2017 15:04	WG1020800
Carbon tetrachloride	U		0.000380	0.00116	1	09/15/2017 15:04	WG1020800
Chlorobenzene	U		0.000246	0.00116	1	09/15/2017 15:04	WG1020800
Chlorodibromomethane	U		0.000432	0.00116	1	09/15/2017 15:04	WG1020800
Chloroethane	U	J6	0.00110	0.00579	1	09/15/2017 15:04	WG1020800
Chloroform	U		0.000265	0.00579	1	09/15/2017 15:04	WG1020800
Chloromethane	U	J6	0.000435	0.00290	1	09/15/2017 15:04	WG1020800
2-Chlorotoluene	U		0.000349	0.00116	1	09/15/2017 15:04	WG1020800
4-Chlorotoluene	U		0.000278	0.00116	1	09/15/2017 15:04	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	09/15/2017 15:04	WG1020800
1,2-Dibromoethane	U	J4	0.000397	0.00116	1	09/15/2017 15:04	WG1020800
Dibromomethane	U		0.000443	0.00116	1	09/15/2017 15:04	WG1020800
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/15/2017 15:04	WG1020800
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/15/2017 15:04	WG1020800
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/15/2017 15:04	WG1020800
Dichlorodifluoromethane	U	J3 J6	0.000826	0.00579	1	09/15/2017 15:04	WG1020800
1,1-Dichloroethane	U		0.000231	0.00116	1	09/15/2017 15:04	WG1020800
1,2-Dichloroethane	U		0.000307	0.00116	1	09/15/2017 15:04	WG1020800
1,1-Dichloroethene	U	J6	0.000351	0.00116	1	09/15/2017 15:04	WG1020800
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	09/15/2017 15:04	WG1020800
trans-1,2-Dichloroethene	U	J6	0.000306	0.00116	1	09/15/2017 15:04	WG1020800
1,2-Dichloropropane	U		0.000415	0.00116	1	09/15/2017 15:04	WG1020800
1,1-Dichloropropene	U	J6	0.000367	0.00116	1	09/15/2017 15:04	WG1020800
1,3-Dichloropropane	U		0.000240	0.00116	1	09/15/2017 15:04	WG1020800
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/15/2017 15:04	WG1020800
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/15/2017 15:04	WG1020800
trans-1,4-Dichloro-2-butene	U	J0	0.000901	0.00290	1	09/15/2017 15:04	WG1020800
2,2-Dichloropropane	U		0.000323	0.00116	1	09/15/2017 15:04	WG1020800
Di-isopropyl ether	U		0.000287	0.00116	1	09/15/2017 15:04	WG1020800
Ethylbenzene	U		0.000344	0.00116	1	09/15/2017 15:04	WG1020800
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/15/2017 15:04	WG1020800
2-Hexanone	U		0.00159	0.0116	1	09/15/2017 15:04	WG1020800
n-Hexane	0.000629	J J3 J6	0.000336	0.0116	1	09/15/2017 15:04	WG1020800
Iodomethane	U	J6	0.00293	0.0116	1	09/15/2017 15:04	WG1020800
Isopropylbenzene	U		0.000282	0.00116	1	09/15/2017 15:04	WG1020800
p-Isopropyltoluene	U		0.000236	0.00116	1	09/15/2017 15:04	WG1020800
2-Butanone (MEK)	U		0.00542	0.0116	1	09/15/2017 15:04	WG1020800
Methylene Chloride	U	J6	0.00116	0.00579	1	09/15/2017 15:04	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/15/2017 15:04	WG1020800

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

Analyte	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	09/15/2017 15:04	WG1020800
Naphthalene	U		0.00116	0.00579	1	09/15/2017 15:04	WG1020800
n-Propylbenzene	U		0.000239	0.00116	1	09/15/2017 15:04	WG1020800
Styrene	U		0.000271	0.00116	1	09/15/2017 15:04	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/15/2017 15:04	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/15/2017 15:04	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/15/2017 15:04	WG1020800
Tetrachloroethene	U		0.000320	0.00116	1	09/15/2017 15:04	WG1020800
Toluene	U		0.000503	0.00579	1	09/15/2017 15:04	WG1020800
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/15/2017 15:04	WG1020800
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/15/2017 15:04	WG1020800
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/15/2017 15:04	WG1020800
1,1,2-Trichloroethane	U	J4	0.000321	0.00116	1	09/15/2017 15:04	WG1020800
Trichloroethene	U		0.000323	0.00116	1	09/15/2017 15:04	WG1020800
Trichlorofluoromethane	U		0.000443	0.00579	1	09/15/2017 15:04	WG1020800
1,2,3-Trichloropropane	U	J4	0.000859	0.00290	1	09/15/2017 15:04	WG1020800
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/15/2017 15:04	WG1020800
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/15/2017 15:04	WG1020800
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/15/2017 15:04	WG1020800
Vinyl acetate	U		0.00277	0.0116	1	09/15/2017 15:04	WG1020800
Vinyl chloride	U	J6	0.000337	0.00116	1	09/15/2017 15:04	WG1020800
Xylenes, Total	U		0.000809	0.00348	1	09/15/2017 15:04	WG1020800
(S) Toluene-d8	*103*			*80.0-120*		*09/15/2017 15:04*	WG1020800
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*09/15/2017 15:04*	WG1020800
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/15/2017 15:04*	WG1020800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	0.0603	1	09/15/2017 15:24	WG1020800
Acrylonitrile	U		0.00216	0.0121	1	09/15/2017 15:24	WG1020800
Benzene	U		0.000325	0.00121	1	09/15/2017 15:24	WG1020800
Bromobenzene	U		0.000342	0.00121	1	09/15/2017 15:24	WG1020800
Bromodichloromethane	U		0.000306	0.00121	1	09/15/2017 15:24	WG1020800
Bromochloromethane	U		0.000470	0.00603	1	09/15/2017 15:24	WG1020800
Bromoform	U		0.000511	0.00121	1	09/15/2017 15:24	WG1020800
Bromomethane	U		0.00162	0.00603	1	09/15/2017 15:24	WG1020800
n-Butylbenzene	U		0.000311	0.00121	1	09/15/2017 15:24	WG1020800
sec-Butylbenzene	U		0.000242	0.00121	1	09/15/2017 15:24	WG1020800
tert-Butylbenzene	U		0.000248	0.00121	1	09/15/2017 15:24	WG1020800
Carbon disulfide	U		0.000266	0.00121	1	09/15/2017 15:24	WG1020800
Carbon tetrachloride	U		0.000395	0.00121	1	09/15/2017 15:24	WG1020800
Chlorobenzene	U		0.000256	0.00121	1	09/15/2017 15:24	WG1020800
Chlorodibromomethane	U		0.000450	0.00121	1	09/15/2017 15:24	WG1020800
Chloroethane	U		0.00114	0.00603	1	09/15/2017 15:24	WG1020800
Chloroform	U		0.000276	0.00603	1	09/15/2017 15:24	WG1020800
Chloromethane	U		0.000452	0.00301	1	09/15/2017 15:24	WG1020800
2-Chlorotoluene	U		0.000363	0.00121	1	09/15/2017 15:24	WG1020800
4-Chlorotoluene	U		0.000289	0.00121	1	09/15/2017 15:24	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00603	1	09/15/2017 15:24	WG1020800
1,2-Dibromoethane	U	J4	0.000413	0.00121	1	09/15/2017 15:24	WG1020800
Dibromomethane	U		0.000461	0.00121	1	09/15/2017 15:24	WG1020800
1,2-Dichlorobenzene	U		0.000368	0.00121	1	09/15/2017 15:24	WG1020800
1,3-Dichlorobenzene	U		0.000288	0.00121	1	09/15/2017 15:24	WG1020800
1,4-Dichlorobenzene	U		0.000272	0.00121	1	09/15/2017 15:24	WG1020800
Dichlorodifluoromethane	U		0.000860	0.00603	1	09/15/2017 15:24	WG1020800
1,1-Dichloroethane	U		0.000240	0.00121	1	09/15/2017 15:24	WG1020800
1,2-Dichloroethane	U		0.000319	0.00121	1	09/15/2017 15:24	WG1020800
1,1-Dichloroethene	U		0.000365	0.00121	1	09/15/2017 15:24	WG1020800
cis-1,2-Dichloroethene	U		0.000283	0.00121	1	09/15/2017 15:24	WG1020800
trans-1,2-Dichloroethene	U		0.000318	0.00121	1	09/15/2017 15:24	WG1020800
1,2-Dichloropropane	U		0.000432	0.00121	1	09/15/2017 15:24	WG1020800
1,1-Dichloropropene	U		0.000382	0.00121	1	09/15/2017 15:24	WG1020800
1,3-Dichloropropane	U		0.000250	0.00121	1	09/15/2017 15:24	WG1020800
cis-1,3-Dichloropropene	U		0.000316	0.00121	1	09/15/2017 15:24	WG1020800
trans-1,3-Dichloropropene	U		0.000322	0.00121	1	09/15/2017 15:24	WG1020800
trans-1,4-Dichloro-2-butene	U	J0	0.000938	0.00301	1	09/15/2017 15:24	WG1020800
2,2-Dichloropropane	U		0.000336	0.00121	1	09/15/2017 15:24	WG1020800
Di-isopropyl ether	U		0.000299	0.00121	1	09/15/2017 15:24	WG1020800
Ethylbenzene	U		0.000358	0.00121	1	09/15/2017 15:24	WG1020800
Hexachloro-1,3-butadiene	U		0.000412	0.00121	1	09/15/2017 15:24	WG1020800
2-Hexanone	U		0.00165	0.0121	1	09/15/2017 15:24	WG1020800
n-Hexane	U		0.000350	0.0121	1	09/15/2017 15:24	WG1020800
Iodomethane	U		0.00305	0.0121	1	09/15/2017 15:24	WG1020800
Isopropylbenzene	U		0.000293	0.00121	1	09/15/2017 15:24	WG1020800
p-Isopropyltoluene	U		0.000246	0.00121	1	09/15/2017 15:24	WG1020800
2-Butanone (MEK)	U		0.00564	0.0121	1	09/15/2017 15:24	WG1020800
Methylene Chloride	U		0.00121	0.00603	1	09/15/2017 15:24	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	09/15/2017 15:24	WG1020800

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

Analyte	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	09/15/2017 15:24	WG1020800
Naphthalene	U		0.00121	0.00603	1	09/15/2017 15:24	WG1020800
n-Propylbenzene	U		0.000248	0.00121	1	09/15/2017 15:24	WG1020800
Styrene	U		0.000282	0.00121	1	09/15/2017 15:24	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000318	0.00121	1	09/15/2017 15:24	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000440	0.00121	1	09/15/2017 15:24	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00121	1	09/15/2017 15:24	WG1020800
Tetrachloroethene	U		0.000333	0.00121	1	09/15/2017 15:24	WG1020800
Toluene	U		0.000523	0.00603	1	09/15/2017 15:24	WG1020800
1,2,3-Trichlorobenzene	U		0.000369	0.00121	1	09/15/2017 15:24	WG1020800
1,2,4-Trichlorobenzene	U		0.000468	0.00121	1	09/15/2017 15:24	WG1020800
1,1,1-Trichloroethane	U		0.000345	0.00121	1	09/15/2017 15:24	WG1020800
1,1,2-Trichloroethane	U	J4	0.000334	0.00121	1	09/15/2017 15:24	WG1020800
Trichloroethene	U		0.000336	0.00121	1	09/15/2017 15:24	WG1020800
Trichlorofluoromethane	U		0.000461	0.00603	1	09/15/2017 15:24	WG1020800
1,2,3-Trichloropropane	U	J4	0.000893	0.00301	1	09/15/2017 15:24	WG1020800
1,2,4-Trimethylbenzene	U		0.000254	0.00121	1	09/15/2017 15:24	WG1020800
1,2,3-Trimethylbenzene	U		0.000346	0.00121	1	09/15/2017 15:24	WG1020800
1,3,5-Trimethylbenzene	U		0.000321	0.00121	1	09/15/2017 15:24	WG1020800
Vinyl acetate	U		0.00288	0.0121	1	09/15/2017 15:24	WG1020800
Vinyl chloride	U		0.000351	0.00121	1	09/15/2017 15:24	WG1020800
Xylenes, Total	U		0.000841	0.00362	1	09/15/2017 15:24	WG1020800
(S) Toluene-d8	*104*			*80.0-120*		*09/15/2017 15:24*	WG1020800
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/15/2017 15:24*	WG1020800
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/15/2017 15:24*	WG1020800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	09/15/2017 15:43	WG1020800
Acrylonitrile	U		0.00194	0.0108	1	09/15/2017 15:43	WG1020800
Benzene	U		0.000292	0.00108	1	09/15/2017 15:43	WG1020800
Bromobenzene	U		0.000307	0.00108	1	09/15/2017 15:43	WG1020800
Bromodichloromethane	U		0.000275	0.00108	1	09/15/2017 15:43	WG1020800
Bromochloromethane	U		0.000422	0.00541	1	09/15/2017 15:43	WG1020800
Bromoform	U		0.000459	0.00108	1	09/15/2017 15:43	WG1020800
Bromomethane	U		0.00145	0.00541	1	09/15/2017 15:43	WG1020800
n-Butylbenzene	U		0.000279	0.00108	1	09/15/2017 15:43	WG1020800
sec-Butylbenzene	U		0.000217	0.00108	1	09/15/2017 15:43	WG1020800
tert-Butylbenzene	U		0.000223	0.00108	1	09/15/2017 15:43	WG1020800
Carbon disulfide	0.000333	J	0.000239	0.00108	1	09/15/2017 15:43	WG1020800
Carbon tetrachloride	U		0.000355	0.00108	1	09/15/2017 15:43	WG1020800
Chlorobenzene	U		0.000229	0.00108	1	09/15/2017 15:43	WG1020800
Chlorodibromomethane	U		0.000403	0.00108	1	09/15/2017 15:43	WG1020800
Chloroethane	U		0.00102	0.00541	1	09/15/2017 15:43	WG1020800
Chloroform	U		0.000248	0.00541	1	09/15/2017 15:43	WG1020800
Chloromethane	U		0.000406	0.00270	1	09/15/2017 15:43	WG1020800
2-Chlorotoluene	U		0.000326	0.00108	1	09/15/2017 15:43	WG1020800
4-Chlorotoluene	U		0.000260	0.00108	1	09/15/2017 15:43	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	09/15/2017 15:43	WG1020800
1,2-Dibromoethane	U	J4	0.000371	0.00108	1	09/15/2017 15:43	WG1020800
Dibromomethane	U		0.000413	0.00108	1	09/15/2017 15:43	WG1020800
1,2-Dichlorobenzene	U		0.000330	0.00108	1	09/15/2017 15:43	WG1020800
1,3-Dichlorobenzene	U		0.000258	0.00108	1	09/15/2017 15:43	WG1020800
1,4-Dichlorobenzene	U		0.000244	0.00108	1	09/15/2017 15:43	WG1020800
Dichlorodifluoromethane	U		0.000771	0.00541	1	09/15/2017 15:43	WG1020800
1,1-Dichloroethane	U		0.000215	0.00108	1	09/15/2017 15:43	WG1020800
1,2-Dichloroethane	U		0.000287	0.00108	1	09/15/2017 15:43	WG1020800
1,1-Dichloroethene	U		0.000328	0.00108	1	09/15/2017 15:43	WG1020800
cis-1,2-Dichloroethene	U		0.000254	0.00108	1	09/15/2017 15:43	WG1020800
trans-1,2-Dichloroethene	U		0.000286	0.00108	1	09/15/2017 15:43	WG1020800
1,2-Dichloropropane	U		0.000387	0.00108	1	09/15/2017 15:43	WG1020800
1,1-Dichloropropene	U		0.000343	0.00108	1	09/15/2017 15:43	WG1020800
1,3-Dichloropropane	U		0.000224	0.00108	1	09/15/2017 15:43	WG1020800
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	09/15/2017 15:43	WG1020800
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	09/15/2017 15:43	WG1020800
trans-1,4-Dichloro-2-butene	U	J0	0.000841	0.00270	1	09/15/2017 15:43	WG1020800
2,2-Dichloropropane	U		0.000302	0.00108	1	09/15/2017 15:43	WG1020800
Di-isopropyl ether	U		0.000268	0.00108	1	09/15/2017 15:43	WG1020800
Ethylbenzene	U		0.000321	0.00108	1	09/15/2017 15:43	WG1020800
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	09/15/2017 15:43	WG1020800
2-Hexanone	U		0.00148	0.0108	1	09/15/2017 15:43	WG1020800
n-Hexane	0.000387	J	0.000314	0.0108	1	09/15/2017 15:43	WG1020800
Iodomethane	U		0.00274	0.0108	1	09/15/2017 15:43	WG1020800
Isopropylbenzene	U		0.000263	0.00108	1	09/15/2017 15:43	WG1020800
p-Isopropyltoluene	U		0.000221	0.00108	1	09/15/2017 15:43	WG1020800
2-Butanone (MEK)	U		0.00506	0.0108	1	09/15/2017 15:43	WG1020800
Methylene Chloride	U		0.00108	0.00541	1	09/15/2017 15:43	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	09/15/2017 15:43	WG1020800

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

Analyte	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	09/15/2017 15:43	WG1020800
Naphthalene	U		0.00108	0.00541	1	09/15/2017 15:43	WG1020800
n-Propylbenzene	U		0.000223	0.00108	1	09/15/2017 15:43	WG1020800
Styrene	U		0.000253	0.00108	1	09/15/2017 15:43	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/15/2017 15:43	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	09/15/2017 15:43	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	09/15/2017 15:43	WG1020800
Tetrachloroethene	U		0.000299	0.00108	1	09/15/2017 15:43	WG1020800
Toluene	U		0.000469	0.00541	1	09/15/2017 15:43	WG1020800
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	09/15/2017 15:43	WG1020800
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	09/15/2017 15:43	WG1020800
1,1,1-Trichloroethane	U		0.000309	0.00108	1	09/15/2017 15:43	WG1020800
1,1,2-Trichloroethane	U	J4	0.000300	0.00108	1	09/15/2017 15:43	WG1020800
Trichloroethene	U		0.000302	0.00108	1	09/15/2017 15:43	WG1020800
Trichlorofluoromethane	U		0.000413	0.00541	1	09/15/2017 15:43	WG1020800
1,2,3-Trichloropropane	U	J4	0.000801	0.00270	1	09/15/2017 15:43	WG1020800
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	09/15/2017 15:43	WG1020800
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	09/15/2017 15:43	WG1020800
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/15/2017 15:43	WG1020800
Vinyl acetate	U		0.00258	0.0108	1	09/15/2017 15:43	WG1020800
Vinyl chloride	U		0.000315	0.00108	1	09/15/2017 15:43	WG1020800
Xylenes, Total	U		0.000755	0.00324	1	09/15/2017 15:43	WG1020800
(S) Toluene-d8	*109*			*80.0-120*		*09/15/2017 15:43*	WG1020800
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/15/2017 15:43*	WG1020800
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/15/2017 15:43*	WG1020800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	09/20/2017 15:30	WG1020800
Acrylonitrile	U	J0	0.00201	0.0112	1	09/20/2017 15:30	WG1020800
Benzene	U		0.000303	0.00112	1	09/20/2017 15:30	WG1020800
Bromobenzene	U		0.000318	0.00112	1	09/20/2017 15:30	WG1020800
Bromodichloromethane	U		0.000285	0.00112	1	09/20/2017 15:30	WG1020800
Bromochloromethane	U		0.000437	0.00560	1	09/20/2017 15:30	WG1020800
Bromoform	U		0.000475	0.00112	1	09/20/2017 15:30	WG1020800
Bromomethane	U		0.00150	0.00560	1	09/20/2017 15:30	WG1020800
n-Butylbenzene	U		0.000289	0.00112	1	09/20/2017 15:30	WG1020800
sec-Butylbenzene	U		0.000225	0.00112	1	09/20/2017 15:30	WG1020800
tert-Butylbenzene	U		0.000231	0.00112	1	09/20/2017 15:30	WG1020800
Carbon disulfide	0.000492	J	0.000248	0.00112	1	09/20/2017 15:30	WG1020800
Carbon tetrachloride	U		0.000368	0.00112	1	09/20/2017 15:30	WG1020800
Chlorobenzene	U		0.000238	0.00112	1	09/20/2017 15:30	WG1020800
Chlorodibromomethane	U		0.000418	0.00112	1	09/20/2017 15:30	WG1020800
Chloroethane	U		0.00106	0.00560	1	09/20/2017 15:30	WG1020800
Chloroform	U		0.000257	0.00560	1	09/20/2017 15:30	WG1020800
Chloromethane	U		0.000420	0.00280	1	09/20/2017 15:30	WG1020800
2-Chlorotoluene	U		0.000337	0.00112	1	09/20/2017 15:30	WG1020800
4-Chlorotoluene	U		0.000269	0.00112	1	09/20/2017 15:30	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	09/20/2017 15:30	WG1020800
1,2-Dibromoethane	U	J4	0.000384	0.00112	1	09/20/2017 15:30	WG1020800
Dibromomethane	U		0.000428	0.00112	1	09/20/2017 15:30	WG1020800
1,2-Dichlorobenzene	U		0.000342	0.00112	1	09/20/2017 15:30	WG1020800
1,3-Dichlorobenzene	U		0.000268	0.00112	1	09/20/2017 15:30	WG1020800
1,4-Dichlorobenzene	U		0.000253	0.00112	1	09/20/2017 15:30	WG1020800
Dichlorodifluoromethane	U		0.000799	0.00560	1	09/20/2017 15:30	WG1020800
1,1-Dichloroethane	U		0.000223	0.00112	1	09/20/2017 15:30	WG1020800
1,2-Dichloroethane	U		0.000297	0.00112	1	09/20/2017 15:30	WG1020800
1,1-Dichloroethene	U		0.000340	0.00112	1	09/20/2017 15:30	WG1020800
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	09/20/2017 15:30	WG1020800
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	09/20/2017 15:30	WG1020800
1,2-Dichloropropane	U		0.000401	0.00112	1	09/20/2017 15:30	WG1020800
1,1-Dichloropropene	U		0.000355	0.00112	1	09/20/2017 15:30	WG1020800
1,3-Dichloropropane	U		0.000232	0.00112	1	09/20/2017 15:30	WG1020800
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	09/20/2017 15:30	WG1020800
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	09/20/2017 15:30	WG1020800
trans-1,4-Dichloro-2-butene	U		0.000872	0.00280	1	09/20/2017 15:30	WG1020800
2,2-Dichloropropane	U		0.000313	0.00112	1	09/20/2017 15:30	WG1020800
Di-isopropyl ether	U		0.000278	0.00112	1	09/20/2017 15:30	WG1020800
Ethylbenzene	U		0.000333	0.00112	1	09/20/2017 15:30	WG1020800
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	09/20/2017 15:30	WG1020800
2-Hexanone	U		0.00154	0.0112	1	09/20/2017 15:30	WG1020800
n-Hexane	0.000472	J	0.000325	0.0112	1	09/20/2017 15:30	WG1020800
Iodomethane	U		0.00283	0.0112	1	09/20/2017 15:30	WG1020800
Isopropylbenzene	U		0.000272	0.00112	1	09/20/2017 15:30	WG1020800
p-Isopropyltoluene	U		0.000229	0.00112	1	09/20/2017 15:30	WG1020800
2-Butanone (MEK)	U		0.00524	0.0112	1	09/20/2017 15:30	WG1020800
Methylene Chloride	U		0.00112	0.00560	1	09/20/2017 15:30	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	09/20/2017 15:30	WG1020800

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

Analyte	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	09/20/2017 15:30	WG1020800
Naphthalene	U		0.00112	0.00560	1	09/20/2017 15:30	WG1020800
n-Propylbenzene	U		0.000231	0.00112	1	09/20/2017 15:30	WG1020800
Styrene	U		0.000262	0.00112	1	09/20/2017 15:30	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	09/20/2017 15:30	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	09/20/2017 15:30	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	09/20/2017 15:30	WG1020800
Tetrachloroethene	U		0.000309	0.00112	1	09/20/2017 15:30	WG1020800
Toluene	U		0.000486	0.00560	1	09/20/2017 15:30	WG1020800
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	09/20/2017 15:30	WG1020800
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	09/20/2017 15:30	WG1020800
1,1,1-Trichloroethane	U		0.000320	0.00112	1	09/20/2017 15:30	WG1020800
1,1,2-Trichloroethane	U	J4	0.000310	0.00112	1	09/20/2017 15:30	WG1020800
Trichloroethene	U		0.000313	0.00112	1	09/20/2017 15:30	WG1020800
Trichlorofluoromethane	U		0.000428	0.00560	1	09/20/2017 15:30	WG1020800
1,2,3-Trichloropropane	U	J4	0.000830	0.00280	1	09/20/2017 15:30	WG1020800
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/20/2017 15:30	WG1020800
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	09/20/2017 15:30	WG1020800
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	09/20/2017 15:30	WG1020800
Vinyl acetate	U		0.00268	0.0112	1	09/20/2017 15:30	WG1020800
Vinyl chloride	U		0.000326	0.00112	1	09/20/2017 15:30	WG1020800
Xylenes, Total	U		0.000782	0.00336	1	09/20/2017 15:30	WG1020800
(S) Toluene-d8	*107*			*80.0-120*		*09/20/2017 15:30*	WG1020800
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/20/2017 15:30*	WG1020800
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*09/20/2017 15:30*	WG1020800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	09/19/2017 13:04	WG1021766

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0177	J	0.0110	0.0551	1	09/15/2017 16:23	WG1020800
Acrylonitrile	U		0.00197	0.0110	1	09/15/2017 16:23	WG1020800
Benzene	U		0.000297	0.00110	1	09/15/2017 16:23	WG1020800
Bromobenzene	U		0.000313	0.00110	1	09/15/2017 16:23	WG1020800
Bromodichloromethane	U		0.000280	0.00110	1	09/15/2017 16:23	WG1020800
Bromochloromethane	U		0.000429	0.00551	1	09/15/2017 16:23	WG1020800
Bromoform	U		0.000467	0.00110	1	09/15/2017 16:23	WG1020800
Bromomethane	U		0.00148	0.00551	1	09/15/2017 16:23	WG1020800
n-Butylbenzene	U		0.000284	0.00110	1	09/15/2017 16:23	WG1020800
sec-Butylbenzene	U		0.000221	0.00110	1	09/15/2017 16:23	WG1020800
tert-Butylbenzene	U		0.000227	0.00110	1	09/15/2017 16:23	WG1020800
Carbon disulfide	0.00122		0.000243	0.00110	1	09/15/2017 16:23	WG1020800
Carbon tetrachloride	U		0.000361	0.00110	1	09/15/2017 16:23	WG1020800
Chlorobenzene	U		0.000233	0.00110	1	09/15/2017 16:23	WG1020800
Chlorodibromomethane	U		0.000411	0.00110	1	09/15/2017 16:23	WG1020800
Chloroethane	U		0.00104	0.00551	1	09/15/2017 16:23	WG1020800
Chloroform	U		0.000252	0.00551	1	09/15/2017 16:23	WG1020800
Chloromethane	U		0.000413	0.00275	1	09/15/2017 16:23	WG1020800
2-Chlorotoluene	U		0.000331	0.00110	1	09/15/2017 16:23	WG1020800
4-Chlorotoluene	U		0.000264	0.00110	1	09/15/2017 16:23	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	09/15/2017 16:23	WG1020800
1,2-Dibromoethane	U	J4	0.000378	0.00110	1	09/15/2017 16:23	WG1020800
Dibromomethane	U		0.000421	0.00110	1	09/15/2017 16:23	WG1020800
1,2-Dichlorobenzene	U		0.000336	0.00110	1	09/15/2017 16:23	WG1020800
1,3-Dichlorobenzene	U		0.000263	0.00110	1	09/15/2017 16:23	WG1020800
1,4-Dichlorobenzene	U		0.000249	0.00110	1	09/15/2017 16:23	WG1020800
Dichlorodifluoromethane	U		0.000785	0.00551	1	09/15/2017 16:23	WG1020800
1,1-Dichloroethane	U		0.000219	0.00110	1	09/15/2017 16:23	WG1020800
1,2-Dichloroethane	U		0.000292	0.00110	1	09/15/2017 16:23	WG1020800
1,1-Dichloroethene	U		0.000334	0.00110	1	09/15/2017 16:23	WG1020800
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	09/15/2017 16:23	WG1020800
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	09/15/2017 16:23	WG1020800
1,2-Dichloropropane	U		0.000394	0.00110	1	09/15/2017 16:23	WG1020800
1,1-Dichloropropene	U		0.000349	0.00110	1	09/15/2017 16:23	WG1020800
1,3-Dichloropropane	U		0.000228	0.00110	1	09/15/2017 16:23	WG1020800
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	09/15/2017 16:23	WG1020800
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	09/15/2017 16:23	WG1020800
trans-1,4-Dichloro-2-butene	U	J0	0.000857	0.00275	1	09/15/2017 16:23	WG1020800
2,2-Dichloropropane	U		0.000307	0.00110	1	09/15/2017 16:23	WG1020800
Di-isopropyl ether	U		0.000273	0.00110	1	09/15/2017 16:23	WG1020800
Ethylbenzene	U		0.000327	0.00110	1	09/15/2017 16:23	WG1020800
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	09/15/2017 16:23	WG1020800
2-Hexanone	U		0.00151	0.0110	1	09/15/2017 16:23	WG1020800
n-Hexane	0.00110	J	0.000319	0.0110	1	09/15/2017 16:23	WG1020800
Iodomethane	U		0.00279	0.0110	1	09/15/2017 16:23	WG1020800
Isopropylbenzene	U		0.000268	0.00110	1	09/15/2017 16:23	WG1020800
p-Isopropyltoluene	U		0.000225	0.00110	1	09/15/2017 16:23	WG1020800
2-Butanone (MEK)	U		0.00515	0.0110	1	09/15/2017 16:23	WG1020800
Methylene Chloride	U		0.00110	0.00551	1	09/15/2017 16:23	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	09/15/2017 16:23	WG1020800

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

Analyte	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	09/15/2017 16:23	WG1020800
Naphthalene	U		0.00110	0.00551	1	09/15/2017 16:23	WG1020800
n-Propylbenzene	U		0.000227	0.00110	1	09/15/2017 16:23	WG1020800
Styrene	U		0.000258	0.00110	1	09/15/2017 16:23	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	09/15/2017 16:23	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	09/15/2017 16:23	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	09/15/2017 16:23	WG1020800
Tetrachloroethene	U		0.000304	0.00110	1	09/15/2017 16:23	WG1020800
Toluene	U		0.000478	0.00551	1	09/15/2017 16:23	WG1020800
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	09/15/2017 16:23	WG1020800
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	09/15/2017 16:23	WG1020800
1,1,1-Trichloroethane	U		0.000315	0.00110	1	09/15/2017 16:23	WG1020800
1,1,2-Trichloroethane	U	J4	0.000305	0.00110	1	09/15/2017 16:23	WG1020800
Trichloroethene	U		0.000307	0.00110	1	09/15/2017 16:23	WG1020800
Trichlorofluoromethane	U		0.000421	0.00551	1	09/15/2017 16:23	WG1020800
1,2,3-Trichloropropane	U	J4	0.000816	0.00275	1	09/15/2017 16:23	WG1020800
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/15/2017 16:23	WG1020800
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	09/15/2017 16:23	WG1020800
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	09/15/2017 16:23	WG1020800
Vinyl acetate	U		0.00263	0.0110	1	09/15/2017 16:23	WG1020800
Vinyl chloride	U		0.000320	0.00110	1	09/15/2017 16:23	WG1020800
Xylenes, Total	U		0.000769	0.00330	1	09/15/2017 16:23	WG1020800
(S) Toluene-d8	*102*			*80.0-120*		*09/15/2017 16:23*	WG1020800
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/15/2017 16:23*	WG1020800
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/15/2017 16:23*	WG1020800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/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	0.0120	0.0601	1	09/15/2017 16:42	WG1020800
Acrylonitrile	U		0.00215	0.0120	1	09/15/2017 16:42	WG1020800
Benzene	U		0.000325	0.00120	1	09/15/2017 16:42	WG1020800
Bromobenzene	U		0.000341	0.00120	1	09/15/2017 16:42	WG1020800
Bromodichloromethane	U		0.000305	0.00120	1	09/15/2017 16:42	WG1020800
Bromochloromethane	U		0.000469	0.00601	1	09/15/2017 16:42	WG1020800
Bromoform	U		0.000510	0.00120	1	09/15/2017 16:42	WG1020800
Bromomethane	U		0.00161	0.00601	1	09/15/2017 16:42	WG1020800
n-Butylbenzene	U		0.000310	0.00120	1	09/15/2017 16:42	WG1020800
sec-Butylbenzene	U		0.000242	0.00120	1	09/15/2017 16:42	WG1020800
tert-Butylbenzene	U		0.000248	0.00120	1	09/15/2017 16:42	WG1020800
Carbon disulfide	0.000541	J	0.000266	0.00120	1	09/15/2017 16:42	WG1020800
Carbon tetrachloride	U		0.000394	0.00120	1	09/15/2017 16:42	WG1020800
Chlorobenzene	U		0.000255	0.00120	1	09/15/2017 16:42	WG1020800
Chlorodibromomethane	U		0.000448	0.00120	1	09/15/2017 16:42	WG1020800
Chloroethane	U		0.00114	0.00601	1	09/15/2017 16:42	WG1020800
Chloroform	U		0.000275	0.00601	1	09/15/2017 16:42	WG1020800
Chloromethane	U		0.000451	0.00301	1	09/15/2017 16:42	WG1020800
2-Chlorotoluene	U		0.000362	0.00120	1	09/15/2017 16:42	WG1020800
4-Chlorotoluene	U		0.000289	0.00120	1	09/15/2017 16:42	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	09/15/2017 16:42	WG1020800
1,2-Dibromoethane	U	J4	0.000412	0.00120	1	09/15/2017 16:42	WG1020800
Dibromomethane	U		0.000459	0.00120	1	09/15/2017 16:42	WG1020800
1,2-Dichlorobenzene	U		0.000367	0.00120	1	09/15/2017 16:42	WG1020800
1,3-Dichlorobenzene	U		0.000287	0.00120	1	09/15/2017 16:42	WG1020800
1,4-Dichlorobenzene	U		0.000272	0.00120	1	09/15/2017 16:42	WG1020800
Dichlorodifluoromethane	U		0.000857	0.00601	1	09/15/2017 16:42	WG1020800
1,1-Dichloroethane	U		0.000239	0.00120	1	09/15/2017 16:42	WG1020800
1,2-Dichloroethane	U		0.000319	0.00120	1	09/15/2017 16:42	WG1020800
1,1-Dichloroethene	U		0.000364	0.00120	1	09/15/2017 16:42	WG1020800
cis-1,2-Dichloroethene	U		0.000283	0.00120	1	09/15/2017 16:42	WG1020800
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	09/15/2017 16:42	WG1020800
1,2-Dichloropropane	U		0.000430	0.00120	1	09/15/2017 16:42	WG1020800
1,1-Dichloropropene	U		0.000381	0.00120	1	09/15/2017 16:42	WG1020800
1,3-Dichloropropane	U		0.000249	0.00120	1	09/15/2017 16:42	WG1020800
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	09/15/2017 16:42	WG1020800
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	09/15/2017 16:42	WG1020800
trans-1,4-Dichloro-2-butene	U	J0	0.000935	0.00301	1	09/15/2017 16:42	WG1020800
2,2-Dichloropropane	U		0.000335	0.00120	1	09/15/2017 16:42	WG1020800
Di-isopropyl ether	U		0.000298	0.00120	1	09/15/2017 16:42	WG1020800
Ethylbenzene	U		0.000357	0.00120	1	09/15/2017 16:42	WG1020800
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	09/15/2017 16:42	WG1020800
2-Hexanone	U		0.00165	0.0120	1	09/15/2017 16:42	WG1020800
n-Hexane	U		0.000349	0.0120	1	09/15/2017 16:42	WG1020800
Iodomethane	U		0.00304	0.0120	1	09/15/2017 16:42	WG1020800
Isopropylbenzene	U		0.000292	0.00120	1	09/15/2017 16:42	WG1020800
p-Isopropyltoluene	U		0.000245	0.00120	1	09/15/2017 16:42	WG1020800
2-Butanone (MEK)	U		0.00563	0.0120	1	09/15/2017 16:42	WG1020800
Methylene Chloride	U		0.00120	0.00601	1	09/15/2017 16:42	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	09/15/2017 16:42	WG1020800

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

Analyte	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	09/15/2017 16:42	WG1020800
Naphthalene	U		0.00120	0.00601	1	09/15/2017 16:42	WG1020800
n-Propylbenzene	U		0.000248	0.00120	1	09/15/2017 16:42	WG1020800
Styrene	U		0.000281	0.00120	1	09/15/2017 16:42	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	09/15/2017 16:42	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	09/15/2017 16:42	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	09/15/2017 16:42	WG1020800
Tetrachloroethene	U		0.000332	0.00120	1	09/15/2017 16:42	WG1020800
Toluene	U		0.000522	0.00601	1	09/15/2017 16:42	WG1020800
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	09/15/2017 16:42	WG1020800
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	09/15/2017 16:42	WG1020800
1,1,1-Trichloroethane	U		0.000344	0.00120	1	09/15/2017 16:42	WG1020800
1,1,2-Trichloroethane	U	J4	0.000333	0.00120	1	09/15/2017 16:42	WG1020800
Trichloroethene	U		0.000335	0.00120	1	09/15/2017 16:42	WG1020800
Trichlorofluoromethane	U		0.000459	0.00601	1	09/15/2017 16:42	WG1020800
1,2,3-Trichloropropane	U	J4	0.000891	0.00301	1	09/15/2017 16:42	WG1020800
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	09/15/2017 16:42	WG1020800
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	09/15/2017 16:42	WG1020800
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	09/15/2017 16:42	WG1020800
Vinyl acetate	U		0.00287	0.0120	1	09/15/2017 16:42	WG1020800
Vinyl chloride	U		0.000350	0.00120	1	09/15/2017 16:42	WG1020800
Xylenes, Total	U		0.000839	0.00361	1	09/15/2017 16:42	WG1020800
(S) Toluene-d8	*102*			*80.0-120*		*09/15/2017 16:42*	WG1020800
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/15/2017 16:42*	WG1020800
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*09/15/2017 16:42*	WG1020800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	09/19/2017 13:04	WG1021766

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0189	J	0.0109	0.0545	1	09/15/2017 17:02	WG1020800
Acrylonitrile	U		0.00195	0.0109	1	09/15/2017 17:02	WG1020800
Benzene	U		0.000295	0.00109	1	09/15/2017 17:02	WG1020800
Bromobenzene	U		0.000310	0.00109	1	09/15/2017 17:02	WG1020800
Bromodichloromethane	U		0.000277	0.00109	1	09/15/2017 17:02	WG1020800
Bromochloromethane	U		0.000425	0.00545	1	09/15/2017 17:02	WG1020800
Bromoform	U		0.000462	0.00109	1	09/15/2017 17:02	WG1020800
Bromomethane	U		0.00146	0.00545	1	09/15/2017 17:02	WG1020800
n-Butylbenzene	U		0.000281	0.00109	1	09/15/2017 17:02	WG1020800
sec-Butylbenzene	U		0.000219	0.00109	1	09/15/2017 17:02	WG1020800
tert-Butylbenzene	U		0.000225	0.00109	1	09/15/2017 17:02	WG1020800
Carbon disulfide	0.000930	J	0.000241	0.00109	1	09/15/2017 17:02	WG1020800
Carbon tetrachloride	U		0.000358	0.00109	1	09/15/2017 17:02	WG1020800
Chlorobenzene	U		0.000231	0.00109	1	09/15/2017 17:02	WG1020800
Chlorodibromomethane	U		0.000407	0.00109	1	09/15/2017 17:02	WG1020800
Chloroethane	U		0.00103	0.00545	1	09/15/2017 17:02	WG1020800
Chloroform	U		0.000250	0.00545	1	09/15/2017 17:02	WG1020800
Chloromethane	U		0.000409	0.00273	1	09/15/2017 17:02	WG1020800
2-Chlorotoluene	U		0.000328	0.00109	1	09/15/2017 17:02	WG1020800
4-Chlorotoluene	U		0.000262	0.00109	1	09/15/2017 17:02	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	09/15/2017 17:02	WG1020800
1,2-Dibromoethane	U	J4	0.000374	0.00109	1	09/15/2017 17:02	WG1020800
Dibromomethane	U		0.000417	0.00109	1	09/15/2017 17:02	WG1020800
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/15/2017 17:02	WG1020800
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/15/2017 17:02	WG1020800
1,4-Dichlorobenzene	U		0.000247	0.00109	1	09/15/2017 17:02	WG1020800
Dichlorodifluoromethane	U		0.000778	0.00545	1	09/15/2017 17:02	WG1020800
1,1-Dichloroethane	U		0.000217	0.00109	1	09/15/2017 17:02	WG1020800
1,2-Dichloroethane	U		0.000289	0.00109	1	09/15/2017 17:02	WG1020800
1,1-Dichloroethene	U		0.000331	0.00109	1	09/15/2017 17:02	WG1020800
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	09/15/2017 17:02	WG1020800
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/15/2017 17:02	WG1020800
1,2-Dichloropropane	U		0.000390	0.00109	1	09/15/2017 17:02	WG1020800
1,1-Dichloropropene	U		0.000346	0.00109	1	09/15/2017 17:02	WG1020800
1,3-Dichloropropane	U		0.000226	0.00109	1	09/15/2017 17:02	WG1020800
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/15/2017 17:02	WG1020800
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/15/2017 17:02	WG1020800
trans-1,4-Dichloro-2-butene	U	J0	0.000849	0.00273	1	09/15/2017 17:02	WG1020800
2,2-Dichloropropane	U		0.000304	0.00109	1	09/15/2017 17:02	WG1020800
Di-isopropyl ether	U		0.000271	0.00109	1	09/15/2017 17:02	WG1020800
Ethylbenzene	U		0.000324	0.00109	1	09/15/2017 17:02	WG1020800
Hexachloro-1,3-butadiene	U		0.000373	0.00109	1	09/15/2017 17:02	WG1020800
2-Hexanone	U		0.00149	0.0109	1	09/15/2017 17:02	WG1020800
n-Hexane	U		0.000316	0.0109	1	09/15/2017 17:02	WG1020800
Iodomethane	U		0.00276	0.0109	1	09/15/2017 17:02	WG1020800
Isopropylbenzene	U		0.000265	0.00109	1	09/15/2017 17:02	WG1020800
p-Isopropyltoluene	U		0.000223	0.00109	1	09/15/2017 17:02	WG1020800
2-Butanone (MEK)	U		0.00510	0.0109	1	09/15/2017 17:02	WG1020800
Methylene Chloride	U		0.00109	0.00545	1	09/15/2017 17:02	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/15/2017 17:02	WG1020800

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

Analyte	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	09/15/2017 17:02	WG1020800
Naphthalene	U		0.00109	0.00545	1	09/15/2017 17:02	WG1020800
n-Propylbenzene	U		0.000225	0.00109	1	09/15/2017 17:02	WG1020800
Styrene	U		0.000255	0.00109	1	09/15/2017 17:02	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	09/15/2017 17:02	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	09/15/2017 17:02	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	09/15/2017 17:02	WG1020800
Tetrachloroethene	U		0.000301	0.00109	1	09/15/2017 17:02	WG1020800
Toluene	U		0.000473	0.00545	1	09/15/2017 17:02	WG1020800
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	09/15/2017 17:02	WG1020800
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	09/15/2017 17:02	WG1020800
1,1,1-Trichloroethane	U		0.000312	0.00109	1	09/15/2017 17:02	WG1020800
1,1,2-Trichloroethane	U	J4	0.000302	0.00109	1	09/15/2017 17:02	WG1020800
Trichloroethene	U		0.000304	0.00109	1	09/15/2017 17:02	WG1020800
Trichlorofluoromethane	U		0.000417	0.00545	1	09/15/2017 17:02	WG1020800
1,2,3-Trichloropropane	U	J4	0.000808	0.00273	1	09/15/2017 17:02	WG1020800
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/15/2017 17:02	WG1020800
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	09/15/2017 17:02	WG1020800
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/15/2017 17:02	WG1020800
Vinyl acetate	U		0.00261	0.0109	1	09/15/2017 17:02	WG1020800
Vinyl chloride	U		0.000317	0.00109	1	09/15/2017 17:02	WG1020800
Xylenes, Total	U		0.000761	0.00327	1	09/15/2017 17:02	WG1020800
(S) Toluene-d8	*100*			*80.0-120*		*09/15/2017 17:02*	WG1020800
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/15/2017 17:02*	WG1020800
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/15/2017 17:02*	WG1020800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.4		1	09/19/2017 13:04	WG1021766

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0124	0.0622	1	09/15/2017 17:22	WG1020800
Acrylonitrile	U		0.00223	0.0124	1	09/15/2017 17:22	WG1020800
Benzene	U		0.000336	0.00124	1	09/15/2017 17:22	WG1020800
Bromobenzene	U		0.000353	0.00124	1	09/15/2017 17:22	WG1020800
Bromodichloromethane	U		0.000316	0.00124	1	09/15/2017 17:22	WG1020800
Bromochloromethane	U		0.000485	0.00622	1	09/15/2017 17:22	WG1020800
Bromoform	U		0.000527	0.00124	1	09/15/2017 17:22	WG1020800
Bromomethane	U		0.00167	0.00622	1	09/15/2017 17:22	WG1020800
n-Butylbenzene	U		0.000321	0.00124	1	09/15/2017 17:22	WG1020800
sec-Butylbenzene	U		0.000250	0.00124	1	09/15/2017 17:22	WG1020800
tert-Butylbenzene	U		0.000256	0.00124	1	09/15/2017 17:22	WG1020800
Carbon disulfide	U		0.000275	0.00124	1	09/15/2017 17:22	WG1020800
Carbon tetrachloride	U		0.000408	0.00124	1	09/15/2017 17:22	WG1020800
Chlorobenzene	U		0.000264	0.00124	1	09/15/2017 17:22	WG1020800
Chlorodibromomethane	U		0.000464	0.00124	1	09/15/2017 17:22	WG1020800
Chloroethane	U		0.00118	0.00622	1	09/15/2017 17:22	WG1020800
Chloroform	U		0.000285	0.00622	1	09/15/2017 17:22	WG1020800
Chloromethane	U		0.000466	0.00311	1	09/15/2017 17:22	WG1020800
2-Chlorotoluene	U		0.000374	0.00124	1	09/15/2017 17:22	WG1020800
4-Chlorotoluene	U		0.000299	0.00124	1	09/15/2017 17:22	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00131	0.00622	1	09/15/2017 17:22	WG1020800
1,2-Dibromoethane	U	J4	0.000427	0.00124	1	09/15/2017 17:22	WG1020800
Dibromomethane	U		0.000475	0.00124	1	09/15/2017 17:22	WG1020800
1,2-Dichlorobenzene	U		0.000379	0.00124	1	09/15/2017 17:22	WG1020800
1,3-Dichlorobenzene	U		0.000297	0.00124	1	09/15/2017 17:22	WG1020800
1,4-Dichlorobenzene	U		0.000281	0.00124	1	09/15/2017 17:22	WG1020800
Dichlorodifluoromethane	U		0.000887	0.00622	1	09/15/2017 17:22	WG1020800
1,1-Dichloroethane	U		0.000248	0.00124	1	09/15/2017 17:22	WG1020800
1,2-Dichloroethane	U		0.000330	0.00124	1	09/15/2017 17:22	WG1020800
1,1-Dichloroethene	U		0.000377	0.00124	1	09/15/2017 17:22	WG1020800
cis-1,2-Dichloroethene	U		0.000292	0.00124	1	09/15/2017 17:22	WG1020800
trans-1,2-Dichloroethene	U		0.000328	0.00124	1	09/15/2017 17:22	WG1020800
1,2-Dichloropropane	U		0.000445	0.00124	1	09/15/2017 17:22	WG1020800
1,1-Dichloropropene	U		0.000394	0.00124	1	09/15/2017 17:22	WG1020800
1,3-Dichloropropane	U		0.000257	0.00124	1	09/15/2017 17:22	WG1020800
cis-1,3-Dichloropropene	U		0.000326	0.00124	1	09/15/2017 17:22	WG1020800
trans-1,3-Dichloropropene	U		0.000332	0.00124	1	09/15/2017 17:22	WG1020800
trans-1,4-Dichloro-2-butene	U	J0	0.000968	0.00311	1	09/15/2017 17:22	WG1020800
2,2-Dichloropropane	U		0.000347	0.00124	1	09/15/2017 17:22	WG1020800
Di-isopropyl ether	U		0.000308	0.00124	1	09/15/2017 17:22	WG1020800
Ethylbenzene	U		0.000369	0.00124	1	09/15/2017 17:22	WG1020800
Hexachloro-1,3-butadiene	U		0.000425	0.00124	1	09/15/2017 17:22	WG1020800
2-Hexanone	U		0.00170	0.0124	1	09/15/2017 17:22	WG1020800
n-Hexane	U		0.000361	0.0124	1	09/15/2017 17:22	WG1020800
Iodomethane	U		0.00315	0.0124	1	09/15/2017 17:22	WG1020800
Isopropylbenzene	U		0.000302	0.00124	1	09/15/2017 17:22	WG1020800
p-Isopropyltoluene	U		0.000254	0.00124	1	09/15/2017 17:22	WG1020800
2-Butanone (MEK)	U		0.00582	0.0124	1	09/15/2017 17:22	WG1020800
Methylene Chloride	U		0.00124	0.00622	1	09/15/2017 17:22	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00234	0.0124	1	09/15/2017 17:22	WG1020800

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

Analyte	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	0.00124	1	09/15/2017 17:22	WG1020800
Naphthalene	U		0.00124	0.00622	1	09/15/2017 17:22	WG1020800
n-Propylbenzene	U		0.000256	0.00124	1	09/15/2017 17:22	WG1020800
Styrene	U		0.000291	0.00124	1	09/15/2017 17:22	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000328	0.00124	1	09/15/2017 17:22	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000454	0.00124	1	09/15/2017 17:22	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000454	0.00124	1	09/15/2017 17:22	WG1020800
Tetrachloroethene	U		0.000343	0.00124	1	09/15/2017 17:22	WG1020800
Toluene	U		0.000540	0.00622	1	09/15/2017 17:22	WG1020800
1,2,3-Trichlorobenzene	U		0.000381	0.00124	1	09/15/2017 17:22	WG1020800
1,2,4-Trichlorobenzene	U		0.000483	0.00124	1	09/15/2017 17:22	WG1020800
1,1,1-Trichloroethane	U		0.000356	0.00124	1	09/15/2017 17:22	WG1020800
1,1,2-Trichloroethane	U	J4	0.000345	0.00124	1	09/15/2017 17:22	WG1020800
Trichloroethene	U		0.000347	0.00124	1	09/15/2017 17:22	WG1020800
Trichlorofluoromethane	U		0.000475	0.00622	1	09/15/2017 17:22	WG1020800
1,2,3-Trichloropropane	U	J4	0.000922	0.00311	1	09/15/2017 17:22	WG1020800
1,2,4-Trimethylbenzene	U		0.000262	0.00124	1	09/15/2017 17:22	WG1020800
1,2,3-Trimethylbenzene	U		0.000357	0.00124	1	09/15/2017 17:22	WG1020800
1,3,5-Trimethylbenzene	U		0.000331	0.00124	1	09/15/2017 17:22	WG1020800
Vinyl acetate	U		0.00297	0.0124	1	09/15/2017 17:22	WG1020800
Vinyl chloride	U		0.000362	0.00124	1	09/15/2017 17:22	WG1020800
Xylenes, Total	U		0.000868	0.00373	1	09/15/2017 17:22	WG1020800
(S) Toluene-d8	*106*			*80.0-120*		*09/15/2017 17:22*	WG1020800
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*09/15/2017 17:22*	WG1020800
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/15/2017 17:22*	WG1020800

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	09/15/2017 17:41	WG1020800
Acrylonitrile	U		0.00214	0.0120	1	09/15/2017 17:41	WG1020800
Benzene	U		0.000323	0.00120	1	09/15/2017 17:41	WG1020800
Bromobenzene	U		0.000340	0.00120	1	09/15/2017 17:41	WG1020800
Bromodichloromethane	U		0.000304	0.00120	1	09/15/2017 17:41	WG1020800
Bromochloromethane	U		0.000467	0.00598	1	09/15/2017 17:41	WG1020800
Bromoform	U		0.000507	0.00120	1	09/15/2017 17:41	WG1020800
Bromomethane	U		0.00160	0.00598	1	09/15/2017 17:41	WG1020800
n-Butylbenzene	U		0.000309	0.00120	1	09/15/2017 17:41	WG1020800
sec-Butylbenzene	U		0.000241	0.00120	1	09/15/2017 17:41	WG1020800
tert-Butylbenzene	U		0.000247	0.00120	1	09/15/2017 17:41	WG1020800
Carbon disulfide	U		0.000265	0.00120	1	09/15/2017 17:41	WG1020800
Carbon tetrachloride	U		0.000393	0.00120	1	09/15/2017 17:41	WG1020800
Chlorobenzene	U		0.000254	0.00120	1	09/15/2017 17:41	WG1020800
Chlorodibromomethane	U		0.000446	0.00120	1	09/15/2017 17:41	WG1020800
Chloroethane	U		0.00113	0.00598	1	09/15/2017 17:41	WG1020800
Chloroform	U		0.000274	0.00598	1	09/15/2017 17:41	WG1020800
Chloromethane	U		0.000449	0.00299	1	09/15/2017 17:41	WG1020800
2-Chlorotoluene	U		0.000360	0.00120	1	09/15/2017 17:41	WG1020800
4-Chlorotoluene	U		0.000287	0.00120	1	09/15/2017 17:41	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00598	1	09/15/2017 17:41	WG1020800
1,2-Dibromoethane	U	J4	0.000411	0.00120	1	09/15/2017 17:41	WG1020800
Dibromomethane	U		0.000457	0.00120	1	09/15/2017 17:41	WG1020800
1,2-Dichlorobenzene	U		0.000365	0.00120	1	09/15/2017 17:41	WG1020800
1,3-Dichlorobenzene	U		0.000286	0.00120	1	09/15/2017 17:41	WG1020800
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/15/2017 17:41	WG1020800
Dichlorodifluoromethane	U		0.000853	0.00598	1	09/15/2017 17:41	WG1020800
1,1-Dichloroethane	U		0.000238	0.00120	1	09/15/2017 17:41	WG1020800
1,2-Dichloroethane	U		0.000317	0.00120	1	09/15/2017 17:41	WG1020800
1,1-Dichloroethene	U		0.000363	0.00120	1	09/15/2017 17:41	WG1020800
cis-1,2-Dichloroethene	U		0.000281	0.00120	1	09/15/2017 17:41	WG1020800
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	09/15/2017 17:41	WG1020800
1,2-Dichloropropane	U		0.000428	0.00120	1	09/15/2017 17:41	WG1020800
1,1-Dichloropropene	U		0.000379	0.00120	1	09/15/2017 17:41	WG1020800
1,3-Dichloropropane	U		0.000248	0.00120	1	09/15/2017 17:41	WG1020800
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	09/15/2017 17:41	WG1020800
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	09/15/2017 17:41	WG1020800
trans-1,4-Dichloro-2-butene	U	J0	0.000931	0.00299	1	09/15/2017 17:41	WG1020800
2,2-Dichloropropane	U		0.000334	0.00120	1	09/15/2017 17:41	WG1020800
Di-isopropyl ether	U		0.000297	0.00120	1	09/15/2017 17:41	WG1020800
Ethylbenzene	U		0.000355	0.00120	1	09/15/2017 17:41	WG1020800
Hexachloro-1,3-butadiene	U		0.000409	0.00120	1	09/15/2017 17:41	WG1020800
2-Hexanone	U		0.00164	0.0120	1	09/15/2017 17:41	WG1020800
n-Hexane	U		0.000347	0.0120	1	09/15/2017 17:41	WG1020800
Iodomethane	U		0.00303	0.0120	1	09/15/2017 17:41	WG1020800
Isopropylbenzene	U		0.000291	0.00120	1	09/15/2017 17:41	WG1020800
p-Isopropyltoluene	U		0.000244	0.00120	1	09/15/2017 17:41	WG1020800
2-Butanone (MEK)	U		0.00560	0.0120	1	09/15/2017 17:41	WG1020800
Methylene Chloride	U		0.00120	0.00598	1	09/15/2017 17:41	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	09/15/2017 17:41	WG1020800

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

Analyte	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	09/15/2017 17:41	WG1020800
Naphthalene	U		0.00120	0.00598	1	09/15/2017 17:41	WG1020800
n-Propylbenzene	U		0.000247	0.00120	1	09/15/2017 17:41	WG1020800
Styrene	U		0.000280	0.00120	1	09/15/2017 17:41	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	09/15/2017 17:41	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	09/15/2017 17:41	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	09/15/2017 17:41	WG1020800
Tetrachloroethene	U		0.000330	0.00120	1	09/15/2017 17:41	WG1020800
Toluene	U		0.000519	0.00598	1	09/15/2017 17:41	WG1020800
1,2,3-Trichlorobenzene	U		0.000366	0.00120	1	09/15/2017 17:41	WG1020800
1,2,4-Trichlorobenzene	U		0.000464	0.00120	1	09/15/2017 17:41	WG1020800
1,1,1-Trichloroethane	U		0.000342	0.00120	1	09/15/2017 17:41	WG1020800
1,1,2-Trichloroethane	U	J4	0.000332	0.00120	1	09/15/2017 17:41	WG1020800
Trichloroethene	U		0.000334	0.00120	1	09/15/2017 17:41	WG1020800
Trichlorofluoromethane	U		0.000457	0.00598	1	09/15/2017 17:41	WG1020800
1,2,3-Trichloropropane	U	J4	0.000887	0.00299	1	09/15/2017 17:41	WG1020800
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/15/2017 17:41	WG1020800
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	09/15/2017 17:41	WG1020800
1,3,5-Trimethylbenzene	U		0.000318	0.00120	1	09/15/2017 17:41	WG1020800
Vinyl acetate	U		0.00286	0.0120	1	09/15/2017 17:41	WG1020800
Vinyl chloride	U		0.000348	0.00120	1	09/15/2017 17:41	WG1020800
Xylenes, Total	U		0.000835	0.00359	1	09/15/2017 17:41	WG1020800
(S) Toluene-d8	*103*			*80.0-120*		*09/15/2017 17:41*	WG1020800
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*09/15/2017 17:41*	WG1020800
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/15/2017 17:41*	WG1020800

Method Blank (MB)

(MB) R3250567-1 09/19/17 13:04

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

L936401-01 Original Sample (OS) • Duplicate (DUP)

(OS) L936401-01 09/19/17 13:04 • (DUP) R3250567-3 09/19/17 13:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.3	87.6	1	1.43		5

Laboratory Control Sample (LCS)

(LCS) R3250567-2 09/19/17 13:04

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) R3250770-3 09/15/17 11:58

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
1,2-Dichloropropane	U		0.000358	0.00100
trans-1,2-Dichloroethene	U		0.000264	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) R3250770-3 09/15/17 11:58

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
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Methylene Chloride	0.00109	J	0.00100	0.00500
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
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
Tetrachloroethene	U		0.000276	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Toluene	U		0.000434	0.00500
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Trichloroethene	U		0.000279	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	*98.6*			*74.0-131*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

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

(LCS) R3250770-1 09/15/17 10:39 • (LCSD) R3250770-2 09/15/17 10:59

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	0.163	0.131	130	104	11.0-160			22.0	23
Benzene	0.0250	0.0270	0.0263	108	105	71.0-124			2.47	20
Acrylonitrile	0.125	0.131	0.122	105	97.6	61.0-143			7.33	20
Bromobenzene	0.0250	0.0243	0.0246	97.3	98.2	78.0-120			0.930	20
Bromodichloromethane	0.0250	0.0269	0.0268	108	107	75.0-120			0.370	20
Bromochloromethane	0.0250	0.0299	0.0291	120	116	80.0-121			2.74	20
Bromoform	0.0250	0.0260	0.0261	104	104	65.0-133			0.220	20
Bromomethane	0.0250	0.0324	0.0314	130	126	26.0-160			3.18	20
n-Butylbenzene	0.0250	0.0282	0.0275	113	110	73.0-126			2.60	20
sec-Butylbenzene	0.0250	0.0277	0.0278	111	111	75.0-121			0.100	20
Carbon tetrachloride	0.0250	0.0273	0.0268	109	107	66.0-123			2.01	20
tert-Butylbenzene	0.0250	0.0283	0.0280	113	112	74.0-122			0.820	20
Carbon disulfide	0.0250	0.0215	0.0217	86.1	86.9	53.0-130			0.830	20
Chlorobenzene	0.0250	0.0289	0.0303	116	121	79.0-121			4.81	20
Chlorodibromomethane	0.0250	0.0285	0.0303	114	121	74.0-128			6.07	20
Chloroethane	0.0250	0.0264	0.0257	106	103	51.0-147			2.79	20
Chloroform	0.0250	0.0275	0.0263	110	105	73.0-123			4.74	20
Chloromethane	0.0250	0.0227	0.0215	91.0	85.9	51.0-138			5.69	20
2-Chlorotoluene	0.0250	0.0269	0.0267	108	107	72.0-124			0.530	20
4-Chlorotoluene	0.0250	0.0265	0.0261	106	105	78.0-120			1.48	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0264	0.0267	106	107	65.0-126			1.03	20
1,2-Dibromoethane	0.0250	0.0303	0.0313	121	125	78.0-122		J4	3.35	20
Dibromomethane	0.0250	0.0290	0.0301	116	120	79.0-120			3.79	20
1,2-Dichlorobenzene	0.0250	0.0282	0.0289	113	115	80.0-120			2.40	20
1,3-Dichlorobenzene	0.0250	0.0280	0.0285	112	114	72.0-123			1.69	20
1,4-Dichlorobenzene	0.0250	0.0276	0.0276	110	111	77.0-120			0.160	20
trans-1,4-Dichloro-2-butene	0.0250	0.0203	0.0201	81.1	80.3	68.0-126			0.990	20
Dichlorodifluoromethane	0.0250	0.0320	0.0295	128	118	49.0-155			8.21	20
1,1-Dichloroethane	0.0250	0.0250	0.0248	99.9	99.2	70.0-128			0.760	20
1,2-Dichloroethane	0.0250	0.0272	0.0262	109	105	69.0-128			3.95	20
1,1-Dichloroethene	0.0250	0.0298	0.0291	119	116	63.0-131			2.29	20
trans-1,2-Dichloroethene	0.0250	0.0283	0.0269	113	108	72.0-122			5.26	20
cis-1,2-Dichloroethene	0.0250	0.0275	0.0267	110	107	74.0-123			2.86	20
1,2-Dichloropropane	0.0250	0.0252	0.0255	101	102	75.0-126			1.13	20
1,1-Dichloropropene	0.0250	0.0268	0.0257	107	103	72.0-130			4.40	20
1,3-Dichloropropane	0.0250	0.0289	0.0295	116	118	80.0-121			1.97	20
cis-1,3-Dichloropropene	0.0250	0.0267	0.0277	107	111	80.0-125			3.83	20
trans-1,3-Dichloropropene	0.0250	0.0280	0.0291	112	116	75.0-129			3.93	20
2,2-Dichloropropane	0.0250	0.0250	0.0239	100	95.7	60.0-129			4.48	20
Ethylbenzene	0.0250	0.0281	0.0295	112	118	77.0-120			4.93	20

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

(LCS) R3250770-1 09/15/17 10:39 • (LCSD) R3250770-2 09/15/17 10:59

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 %
Di-isopropyl ether	0.0250	0.0209	0.0207	83.5	82.8	62.0-133			0.880	20
Hexachloro-1,3-butadiene	0.0250	0.0276	0.0273	111	109	68.0-128			1.15	20
2-Hexanone	0.125	0.135	0.133	108	106	61.0-143			1.18	20
n-Hexane	0.0250	0.0230	0.0224	92.0	89.5	57.0-125			2.74	20
Iodomethane	0.125	0.130	0.127	104	102	67.0-132			2.20	20
Isopropylbenzene	0.0250	0.0275	0.0274	110	110	75.0-120			0.380	20
Methylene Chloride	0.0250	0.0276	0.0274	110	110	67.0-123			0.420	20
p-Isopropyltoluene	0.0250	0.0278	0.0276	111	110	74.0-125			0.670	20
2-Butanone (MEK)	0.125	0.144	0.125	115	99.7	37.0-159			14.3	20
4-Methyl-2-pentanone (MIBK)	0.125	0.125	0.128	100	102	60.0-144			1.90	20
Methyl tert-butyl ether	0.0250	0.0264	0.0256	106	102	66.0-125			3.09	20
Naphthalene	0.0250	0.0289	0.0296	116	118	64.0-125			2.24	20
n-Propylbenzene	0.0250	0.0273	0.0272	109	109	78.0-120			0.370	20
Tetrachloroethene	0.0250	0.0304	0.0308	121	123	70.0-127			1.49	20
Styrene	0.0250	0.0283	0.0270	113	108	78.0-124			4.86	20
1,1,1,2-Tetrachloroethane	0.0250	0.0289	0.0301	115	120	74.0-124			4.07	20
Toluene	0.0250	0.0288	0.0295	115	118	77.0-120			2.22	20
1,1,2,2-Tetrachloroethane	0.0250	0.0290	0.0289	116	116	73.0-120			0.450	20
1,1,1-Trichloroethane	0.0250	0.0283	0.0274	113	109	69.0-125			3.50	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0252	0.0264	101	106	64.0-135			4.96	20
1,2,3-Trichlorobenzene	0.0250	0.0265	0.0288	106	115	68.0-126			8.21	20
Trichloroethene	0.0250	0.0275	0.0287	110	115	79.0-120			4.31	20
1,2,4-Trichlorobenzene	0.0250	0.0271	0.0260	108	104	70.0-127			4.09	20
1,1,2-Trichloroethane	0.0250	0.0300	0.0310	120	124	78.0-120		J4	3.21	20
Trichlorofluoromethane	0.0250	0.0340	0.0321	136	128	59.0-136			5.69	20
1,2,3-Trichloropropane	0.0250	0.0298	0.0315	119	126	73.0-124		J4	5.47	20
1,2,3-Trimethylbenzene	0.0250	0.0252	0.0253	101	101	76.0-120			0.530	20
1,2,4-Trimethylbenzene	0.0250	0.0261	0.0262	104	105	75.0-120			0.220	20
1,3,5-Trimethylbenzene	0.0250	0.0277	0.0273	111	109	75.0-120			1.32	20
Vinyl acetate	0.125	0.122	0.119	97.7	95.4	58.0-156			2.39	20
Vinyl chloride	0.0250	0.0287	0.0274	115	110	63.0-134			4.72	20
Xylenes, Total	0.0750	0.0863	0.0883	115	118	77.0-120			2.29	20
(S) Toluene-d8				*105*	*108*	*80.0-120*				
(S) Dibromofluoromethane				*101*	*96.8*	*74.0-131*				
(S) 4-Bromofluorobenzene				*92.9*	*93.3*	*64.0-132*				

L936401-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L936401-01 09/15/17 15:04 • (MS) R3250770-4 09/15/17 18:40 • (MSD) R3250770-5 09/15/17 19:00

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 %
Benzene	0.0290	U	0.00468	0.00464	16.2	16.0	1	13.0-146			0.780	27
Acetone	0.145	U	0.0907	0.0989	62.6	68.3	1	10.0-160			8.63	36
Acrylonitrile	0.145	U	0.0770	0.0864	53.2	59.7	1	14.0-160			11.4	33
Bromobenzene	0.0290	U	0.0126	0.0108	43.5	37.3	1	10.0-149			15.3	33
Bromodichloromethane	0.0290	U	0.0154	0.0136	53.0	47.0	1	15.0-142			12.0	28
Bromochloromethane	0.0290	U	0.00616	0.00617	21.3	21.3	1	24.0-146	J6	J6	0.0800	27
Bromoform	0.0290	U	0.0151	0.0123	52.2	42.4	1	10.0-147			20.7	31
Bromomethane	0.0290	U	ND	ND	0.000	0.000	1	10.0-160	J6	J6	0.000	32
Carbon tetrachloride	0.0290	U	0.00605	0.00627	20.9	21.7	1	13.0-140			3.66	30
n-Butylbenzene	0.0290	U	0.0167	0.0136	57.5	47.1	1	10.0-154			19.9	37
sec-Butylbenzene	0.0290	U	0.0183	0.0146	63.3	50.5	1	10.0-151			22.6	36
tert-Butylbenzene	0.0290	U	0.0189	0.0161	65.2	55.5	1	10.0-152			16.0	35
Carbon disulfide	0.0290	0.000476	0.000439	0.000535	0.000	0.203	1	10.0-141	J6	J6	19.8	30
Chlorobenzene	0.0290	U	0.0108	0.0102	37.2	35.1	1	10.0-149			5.95	31
Chloroform	0.0290	U	0.0119	0.0123	41.1	42.3	1	18.0-148			2.78	28
Chlorodibromomethane	0.0290	U	0.0164	0.0147	56.5	50.7	1	12.0-147			10.9	29
Chloroethane	0.0290	U	ND	ND	0.000	0.000	1	10.0-159	J6	J6	0.000	33
Chloromethane	0.0290	U	ND	ND	0.000	0.000	1	10.0-146	J6	J6	0.000	29
2-Chlorotoluene	0.0290	U	0.0149	0.0128	51.3	44.2	1	10.0-151			14.9	35
4-Chlorotoluene	0.0290	U	0.0134	0.0117	46.3	40.5	1	10.0-150			13.3	35
1,2-Dibromo-3-Chloropropane	0.0290	U	0.0201	0.0190	69.5	65.7	1	10.0-149			5.55	34
1,2-Dibromoethane	0.0290	U	0.0118	0.0113	40.6	39.0	1	14.0-145			4.08	28
Dibromomethane	0.0290	U	0.0102	0.0107	35.2	36.8	1	18.0-144			4.50	27
1,2-Dichlorobenzene	0.0290	U	0.0148	0.0118	51.2	40.9	1	10.0-153			22.3	34
1,3-Dichlorobenzene	0.0290	U	0.0135	0.0117	46.4	40.5	1	10.0-150			13.7	35
1,4-Dichlorobenzene	0.0290	U	0.0131	0.0105	45.3	36.4	1	10.0-148			21.8	34
trans-1,4-Dichloro-2-butene	0.0290	U	0.0120	0.0105	41.6	36.2	1	10.0-160			13.9	40
Dichlorodifluoromethane	0.0290	U	ND	0.00133	0.000	4.60	1	10.0-160	J6	J3 J6	200	30
1,1-Dichloroethane	0.0290	U	0.00720	0.00750	24.9	25.9	1	19.0-148			4.10	28
trans-1,2-Dichloroethene	0.0290	U	0.00124	0.00119	4.27	4.11	1	11.0-142	J6	J6	3.84	29
1,2-Dichloroethane	0.0290	U	0.00852	0.00872	29.4	30.1	1	17.0-147			2.38	27
1,1-Dichloroethene	0.0290	U	0.00210	0.00218	7.25	7.51	1	10.0-150	J6	J6	3.53	31
cis-1,2-Dichloroethene	0.0290	U	0.00622	0.00646	21.5	22.3	1	16.0-145			3.83	28
1,2-Dichloropropane	0.0290	U	0.0109	0.0111	37.5	38.3	1	17.0-148			2.03	28
1,1-Dichloropropene	0.0290	U	0.00265	0.00245	9.15	8.45	1	10.0-150	J6	J6	7.95	30
1,3-Dichloropropane	0.0290	U	0.0132	0.0140	45.5	48.4	1	16.0-148			5.97	27
cis-1,3-Dichloropropene	0.0290	U	0.00844	0.00824	29.1	28.4	1	13.0-150			2.37	28
Ethylbenzene	0.0290	U	0.0101	0.00908	34.8	31.3	1	10.0-147			10.6	31
trans-1,3-Dichloropropene	0.0290	U	0.0103	0.00949	35.4	32.8	1	10.0-152			7.76	29

L936401-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L936401-01 09/15/17 15:04 • (MS) R3250770-4 09/15/17 18:40 • (MSD) R3250770-5 09/15/17 19:00

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 %
2,2-Dichloropropane	0.0290	U	0.00999	0.0100	34.5	34.5	1	16.0-143			0.190	30
Di-isopropyl ether	0.0290	U	0.0102	0.0102	35.2	35.3	1	16.0-149			0.360	28
Hexachloro-1,3-butadiene	0.0290	U	0.0196	0.0144	67.5	49.8	1	10.0-154			30.1	40
2-Hexanone	0.145	U	0.105	0.112	72.5	77.3	1	12.0-158			6.36	30
n-Hexane	0.0290	0.000629	0.00166	0.000927	3.56	1.03	1	10.0-140	J6	J3 J6	56.6	34
Iodomethane	0.145	U	0.00500	0.00501	3.45	3.46	1	10.0-157	J6	J6	0.300	34
Methylene Chloride	0.0290	U	0.00435	0.00422	15.0	14.6	1	16.0-139	J6	J6	2.89	29
Isopropylbenzene	0.0290	U	0.0151	0.0132	52.1	45.6	1	10.0-147			13.3	33
p-Isopropyltoluene	0.0290	U	0.0165	0.0140	57.1	48.3	1	10.0-156			16.7	37
2-Butanone (MEK)	0.145	U	0.0929	0.102	64.2	70.4	1	10.0-160			9.26	33
4-Methyl-2-pentanone (MIBK)	0.145	U	0.106	0.111	73.5	76.7	1	12.0-160			4.35	32
Methyl tert-butyl ether	0.0290	U	0.0143	0.0143	49.2	49.2	1	21.0-145			0.000	29
Naphthalene	0.0290	U	0.0113	0.00888	39.1	30.7	1	10.0-153			24.2	36
Tetrachloroethene	0.0290	U	0.00551	0.00473	19.0	16.3	1	10.0-144			15.2	32
n-Propylbenzene	0.0290	U	0.0146	0.0123	50.4	42.6	1	10.0-151			16.9	34
Toluene	0.0290	U	0.00686	0.00651	23.7	22.5	1	10.0-144			5.19	28
Styrene	0.0290	U	0.0119	0.00981	41.2	33.9	1	10.0-155			19.6	34
1,1,1,2-Tetrachloroethane	0.0290	U	0.0174	0.0174	60.0	59.9	1	10.0-147			0.210	30
1,1,2,2-Tetrachloroethane	0.0290	U	0.0265	0.0252	91.6	87.0	1	10.0-155			5.09	31
1,1,1-Trichloroethane	0.0290	U	0.00909	0.00904	31.4	31.2	1	18.0-145			0.640	29
Trichloroethene	0.0290	U	0.00543	0.00464	18.8	16.0	1	11.0-148			15.8	29
1,1,2-Trichlorotrifluoroethane	0.0290	U	0.00617	0.00705	21.3	24.3	1	10.0-153			13.3	33
1,2,3-Trichlorobenzene	0.0290	U	0.0108	0.00819	37.1	28.3	1	10.0-153			27.2	40
1,2,4-Trichlorobenzene	0.0290	U	0.0105	0.00798	36.4	27.5	1	10.0-156			27.6	40
1,1,2-Trichloroethane	0.0290	U	0.0190	0.0193	65.5	66.5	1	12.0-151			1.49	28
Trichlorofluoromethane	0.0290	U	0.00360	0.00387	12.4	13.4	1	10.0-157			7.30	34
1,2,3-Trichloropropane	0.0290	U	0.0269	0.0250	92.8	86.2	1	10.0-154			7.41	32
1,2,3-Trimethylbenzene	0.0290	U	0.0154	0.0131	53.0	45.2	1	10.0-150			16.0	33
1,2,4-Trimethylbenzene	0.0290	U	0.0142	0.0123	49.1	42.3	1	10.0-151			14.9	34
1,3,5-Trimethylbenzene	0.0290	U	0.0148	0.0124	51.3	42.8	1	10.0-150			17.9	33
Vinyl acetate	0.145	U	0.0252	0.0237	17.4	16.4	1	10.0-160			6.16	40
Vinyl chloride	0.0290	U	0.000412	0.000389	1.42	1.34	1	10.0-150	J6	J6	5.68	29
Xylenes, Total	0.0869	U	0.0313	0.0290	36.0	33.4	1	10.0-150			7.41	31
(S) Toluene-d8					*97.4*	*105*		*80.0-120*				
(S) Dibromofluoromethane					*96.8*	*99.7*		*74.0-131*				
(S) 4-Bromofluorobenzene					*101*	*100*		*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
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.

State Accreditations

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

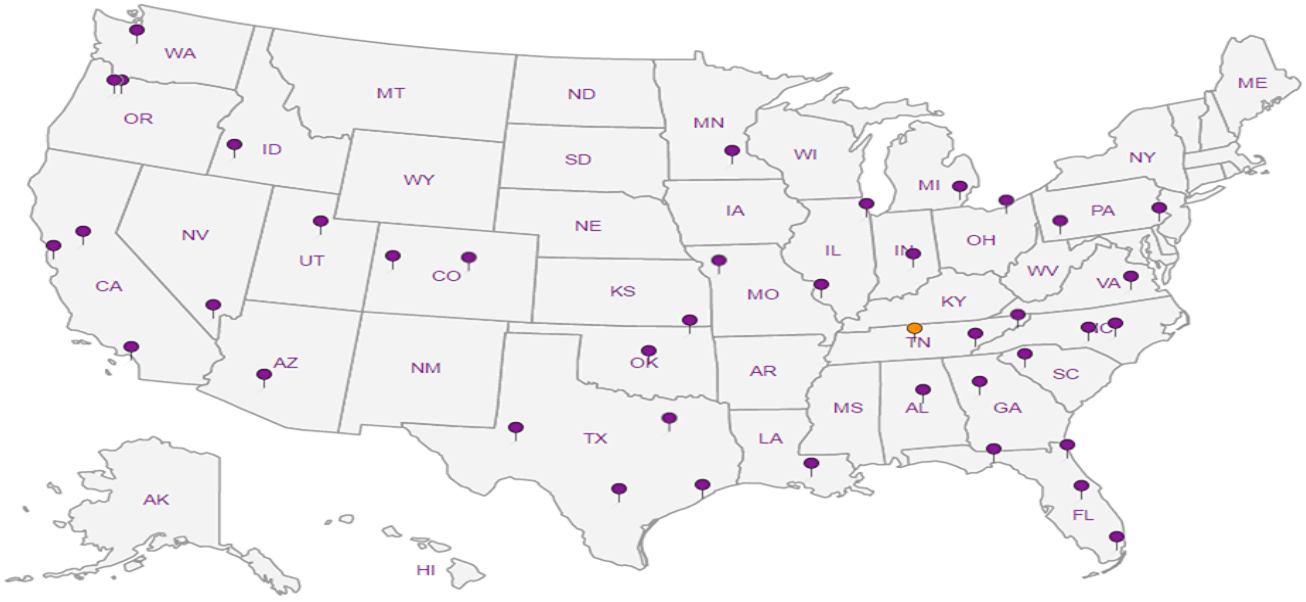
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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 1 of 1

ESC LAB SCIENCES — YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L936401
Table # A203
Acctnum: PESENVSWA
Template: T126586
Prelogin: P613274
TSR:
PB:
Shipped Via:

Report to: Bill Haldeman
Email To: bhaldeman@pesenv.com
Project Description: American Linen Project
City/State Collected: Seattle, WA
Phone: 206-529-3980
Fax: 206-529-3985
Client Project #: 1413.001.02.602
Lab Project #: PESENVSWA-ALP
Collected by (print): Karsten Springsted
Site/Facility ID #: 1413.001.02.602
P.O. #:
Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y X

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

Quote #
Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres / 2x 2ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
B-910-90	GRAB	SS	90	9/13/17	0930	5			X	X			-01
B-215-85	↓	↓	85	↓	1015	~~15~~ 5			X	X			-02
MW-138-65			65		1030	4			X	X			-03
B-909-115			115		1130	5			X	X			-04
MW-138-75			75		1115	5			X	X			-05
MW-138-85			85		1140	5			X	X			-06
MW-138-95			95		~~1255~~ 1305	5			X	X			-07
MW-138-105			105		1255	5			X	X			-08
B-215-95	Grab	SS	95	9/13/17	1050	5			X	X			-09

* 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 # 7414 0927 0935

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)	
[signature]	9/13/17	1500		Trip Blank Received: Yes / (No) HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.3 °C Bottles Received: 44
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 9/14/17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Mw11

MEMORANDUM

TO: Project File **DATE:** October 16, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 13, 2017 – Soil Samples

LAB: ESC Lab ID L936401

Nine (9) soil samples were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 13, 2017. 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.

The results are reported in ESC Sample Delivery Group (SDG) L936401. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L936401 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 13, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.3 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils from the date of sample collection. All holding time criteria were met.

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for trans-1,4-dichloro-2-butene associated with analytical batch WG1020800 (analyzed on September 15, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acrylonitrile associated with analytical batch WG1020800 (analyzed on September 20, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

- Methylene chloride was detected at a low level below the RDL and above the method detection limit. No action was necessary as methylene chloride was not detected in the associated samples.

Total Solids by SM 2540 G 2011:
Laboratory method blank was 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:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Two sets of field duplicate (samples MW-138-65/B-910-90 and samples B-215-85/B-909-115) results are comparable. Refer to matrix spike results for further discussion regarding estimated (UJ) and rejected (R) VOC results for field duplicate pair samples MW-138-65 and B-910-90.

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 two non-client samples, and on client sample B-910-90. 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, LCS/LCSDs, MS/MSDs, 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 soils with the following exception:

- LCSD (Batch WG1020800) recoveries for three spiking compound (1,2-dibromoethane, 1,1,2-trichloroethane, and 1,2,3-trichloropropane) results are above laboratory acceptance criteria and qualified by the laboratory (J4). No action was taken on this basis since these compounds were 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 was performed client sample B-910-90. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils with the following exceptions:

- MS/MSD (Batch WG1020800) recoveries for multiple spiking compounds are low and in many cases were recovered below 10% and are qualified as follows:
    - MS/MSD RPD values dichlorodifluoromethane and n-hexane were recovered wide, above laboratory acceptance criteria, and qualified (J3) by the laboratory. No action is taken on this basis. Refer to the discussion below on low spike recoveries for additional details.
    - MS/MSD spike compound results for bromochloromethane were slightly below laboratory acceptance criteria and qualified (J6) by the laboratory to indicate matrix interference. **Bromochloromethane results for sample B-910-90 and parent sample MW-138-65 are estimated and qualified (UJ).**
    - MS/MSD recoveries for twelve compound (bromomethane, carbon disulfide, chloroethane, chloromethane, dichlorodifluoromethane, trans-1,2-dichloroethene, 1,1-dichloroethene, 1,1-dichloropropene, n-hexane iodomethane, and methylene chloride) results are below 10% and are qualified (J6) by the laboratory to indicate matrix interference. **Results (bromomethane, carbon disulfide, chloroethane, chloromethane, dichlorodifluoromethane, 1,1-dichloroethene, 1,1-dichloropropene, trans-1,2-dichloroethene, n-hexane, iodomethane, methylene chloride, and vinyl chloride) for sample B-910-90 and parent sample MW-138-65 <u>detects</u> (carbon disulfide and n-hexane) are estimated, qualified (J), and <u>non-detects</u> are rejected (R) due to low spike recoveries.**

Other Quality Control Issues

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

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

Data qualifiers were 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:

- **Non-detected results (bromomethane, chloroethane, chloromethane, dichlorodifluoromethane, 1,1-dichloroethene, trans-1,2-dichloroethene 1,1-dichloropropene, iodomethane, methylene chloride, and vinyl chloride) for sample B-910-90 and parent sample MW-138-65 are rejected (R) due to low spike recoveries.**

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	0.0579	1	09/15/2017 15:04	WG1020800
Acrylonitrile	U		0.00207	0.0116	1	09/15/2017 15:04	WG1020800
Benzene	U		0.000313	0.00116	1	09/15/2017 15:04	WG1020800
Bromobenzene	U		0.000329	0.00116	1	09/15/2017 15:04	WG1020800
Bromodichloromethane	U		0.000294	0.00116	1	09/15/2017 15:04	WG1020800
Bromochloromethane	U UJ	J6	0.000452	0.00579	1	09/15/2017 15:04	WG1020800
Bromoform	U		0.000491	0.00116	1	09/15/2017 15:04	WG1020800
Bromomethane	U R	J6	0.00155	0.00579	1	09/15/2017 15:04	WG1020800
n-Butylbenzene	U		0.000299	0.00116	1	09/15/2017 15:04	WG1020800
sec-Butylbenzene	U		0.000233	0.00116	1	09/15/2017 15:04	WG1020800
tert-Butylbenzene	U		0.000239	0.00116	1	09/15/2017 15:04	WG1020800
Carbon disulfide	0.000476 J	J J6	0.000256	0.00116	1	09/15/2017 15:04	WG1020800
Carbon tetrachloride	U		0.000380	0.00116	1	09/15/2017 15:04	WG1020800
Chlorobenzene	U		0.000246	0.00116	1	09/15/2017 15:04	WG1020800
Chlorodibromomethane	U		0.000432	0.00116	1	09/15/2017 15:04	WG1020800
Chloroethane	U R	J6	0.00110	0.00579	1	09/15/2017 15:04	WG1020800
Chloroform	U		0.000265	0.00579	1	09/15/2017 15:04	WG1020800
Chloromethane	U R	J6	0.000435	0.00290	1	09/15/2017 15:04	WG1020800
2-Chlorotoluene	U		0.000349	0.00116	1	09/15/2017 15:04	WG1020800
4-Chlorotoluene	U		0.000278	0.00116	1	09/15/2017 15:04	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	09/15/2017 15:04	WG1020800
1,2-Dibromoethane	U	J4	0.000397	0.00116	1	09/15/2017 15:04	WG1020800
Dibromomethane	U		0.000443	0.00116	1	09/15/2017 15:04	WG1020800
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/15/2017 15:04	WG1020800
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/15/2017 15:04	WG1020800
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/15/2017 15:04	WG1020800
Dichlorodifluoromethane	U R	J3 J6	0.000826	0.00579	1	09/15/2017 15:04	WG1020800
1,1-Dichloroethane	U		0.000231	0.00116	1	09/15/2017 15:04	WG1020800
1,2-Dichloroethane	U		0.000307	0.00116	1	09/15/2017 15:04	WG1020800
1,1-Dichloroethene	U R	J6	0.000351	0.00116	1	09/15/2017 15:04	WG1020800
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	09/15/2017 15:04	WG1020800
trans-1,2-Dichloroethene	U R	J6	0.000306	0.00116	1	09/15/2017 15:04	WG1020800
1,2-Dichloropropane	U		0.000415	0.00116	1	09/15/2017 15:04	WG1020800
1,1-Dichloropropene	U R	J6	0.000367	0.00116	1	09/15/2017 15:04	WG1020800
1,3-Dichloropropane	U		0.000240	0.00116	1	09/15/2017 15:04	WG1020800
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/15/2017 15:04	WG1020800
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/15/2017 15:04	WG1020800
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000901	0.00290	1	09/15/2017 15:04	WG1020800
2,2-Dichloropropane	U		0.000323	0.00116	1	09/15/2017 15:04	WG1020800
Di-isopropyl ether	U		0.000287	0.00116	1	09/15/2017 15:04	WG1020800
Ethylbenzene	U		0.000344	0.00116	1	09/15/2017 15:04	WG1020800
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/15/2017 15:04	WG1020800
2-Hexanone	U		0.00159	0.0116	1	09/15/2017 15:04	WG1020800
n-Hexane	0.000629 J	J J3 J6	0.000336	0.0116	1	09/15/2017 15:04	WG1020800
Iodomethane	U R	J6	0.00293	0.0116	1	09/15/2017 15:04	WG1020800
Isopropylbenzene	U		0.000282	0.00116	1	09/15/2017 15:04	WG1020800
p-Isopropyltoluene	U		0.000236	0.00116	1	09/15/2017 15:04	WG1020800
2-Butanone (MEK)	U		0.00542	0.0116	1	09/15/2017 15:04	WG1020800
Methylene Chloride	U R	J6	0.00116	0.00579	1	09/15/2017 15:04	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/15/2017 15:04	WG1020800

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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		0.000246	0.00116	1	09/15/2017 15:04	WG1020800
Naphthalene	U		0.00116	0.00579	1	09/15/2017 15:04	WG1020800
n-Propylbenzene	U		0.000239	0.00116	1	09/15/2017 15:04	WG1020800
Styrene	U		0.000271	0.00116	1	09/15/2017 15:04	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/15/2017 15:04	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/15/2017 15:04	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/15/2017 15:04	WG1020800
Tetrachloroethene	U		0.000320	0.00116	1	09/15/2017 15:04	WG1020800
Toluene	U		0.000503	0.00579	1	09/15/2017 15:04	WG1020800
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/15/2017 15:04	WG1020800
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/15/2017 15:04	WG1020800
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/15/2017 15:04	WG1020800
1,1,2-Trichloroethane	U	J4	0.000321	0.00116	1	09/15/2017 15:04	WG1020800
Trichloroethene	U		0.000323	0.00116	1	09/15/2017 15:04	WG1020800
Trichlorofluoromethane	U		0.000443	0.00579	1	09/15/2017 15:04	WG1020800
1,2,3-Trichloropropane	U	J4	0.000859	0.00290	1	09/15/2017 15:04	WG1020800
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/15/2017 15:04	WG1020800
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/15/2017 15:04	WG1020800
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/15/2017 15:04	WG1020800
Vinyl acetate	U		0.00277	0.0116	1	09/15/2017 15:04	WG1020800
Vinyl chloride	U R	J6	0.000337	0.00116	1	09/15/2017 15:04	WG1020800
Xylenes, Total	U		0.000809	0.00348	1	09/15/2017 15:04	WG1020800
(S) Toluene-d8	*103*			*80.0-120*		*09/15/2017 15:04*	WG1020800
(S) Dibromofluoromethane	*97.8*			*74.0-131*		*09/15/2017 15:04*	WG1020800
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/15/2017 15:04*	WG1020800

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.0		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	0.0603	1	09/15/2017 15:24	WG1020800
Acrylonitrile	U		0.00216	0.0121	1	09/15/2017 15:24	WG1020800
Benzene	U		0.000325	0.00121	1	09/15/2017 15:24	WG1020800
Bromobenzene	U		0.000342	0.00121	1	09/15/2017 15:24	WG1020800
Bromodichloromethane	U		0.000306	0.00121	1	09/15/2017 15:24	WG1020800
Bromochloromethane	U		0.000470	0.00603	1	09/15/2017 15:24	WG1020800
Bromoform	U		0.000511	0.00121	1	09/15/2017 15:24	WG1020800
Bromomethane	U		0.00162	0.00603	1	09/15/2017 15:24	WG1020800
n-Butylbenzene	U		0.000311	0.00121	1	09/15/2017 15:24	WG1020800
sec-Butylbenzene	U		0.000242	0.00121	1	09/15/2017 15:24	WG1020800
tert-Butylbenzene	U		0.000248	0.00121	1	09/15/2017 15:24	WG1020800
Carbon disulfide	U		0.000266	0.00121	1	09/15/2017 15:24	WG1020800
Carbon tetrachloride	U		0.000395	0.00121	1	09/15/2017 15:24	WG1020800
Chlorobenzene	U		0.000256	0.00121	1	09/15/2017 15:24	WG1020800
Chlorodibromomethane	U		0.000450	0.00121	1	09/15/2017 15:24	WG1020800
Chloroethane	U		0.00114	0.00603	1	09/15/2017 15:24	WG1020800
Chloroform	U		0.000276	0.00603	1	09/15/2017 15:24	WG1020800
Chloromethane	U		0.000452	0.00301	1	09/15/2017 15:24	WG1020800
2-Chlorotoluene	U		0.000363	0.00121	1	09/15/2017 15:24	WG1020800
4-Chlorotoluene	U		0.000289	0.00121	1	09/15/2017 15:24	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00127	0.00603	1	09/15/2017 15:24	WG1020800
1,2-Dibromoethane	U	J4	0.000413	0.00121	1	09/15/2017 15:24	WG1020800
Dibromomethane	U		0.000461	0.00121	1	09/15/2017 15:24	WG1020800
1,2-Dichlorobenzene	U		0.000368	0.00121	1	09/15/2017 15:24	WG1020800
1,3-Dichlorobenzene	U		0.000288	0.00121	1	09/15/2017 15:24	WG1020800
1,4-Dichlorobenzene	U		0.000272	0.00121	1	09/15/2017 15:24	WG1020800
Dichlorodifluoromethane	U		0.000860	0.00603	1	09/15/2017 15:24	WG1020800
1,1-Dichloroethane	U		0.000240	0.00121	1	09/15/2017 15:24	WG1020800
1,2-Dichloroethane	U		0.000319	0.00121	1	09/15/2017 15:24	WG1020800
1,1-Dichloroethene	U		0.000365	0.00121	1	09/15/2017 15:24	WG1020800
cis-1,2-Dichloroethene	U		0.000283	0.00121	1	09/15/2017 15:24	WG1020800
trans-1,2-Dichloroethene	U		0.000318	0.00121	1	09/15/2017 15:24	WG1020800
1,2-Dichloropropane	U		0.000432	0.00121	1	09/15/2017 15:24	WG1020800
1,1-Dichloropropene	U		0.000382	0.00121	1	09/15/2017 15:24	WG1020800
1,3-Dichloropropane	U		0.000250	0.00121	1	09/15/2017 15:24	WG1020800
cis-1,3-Dichloropropene	U		0.000316	0.00121	1	09/15/2017 15:24	WG1020800
trans-1,3-Dichloropropene	U		0.000322	0.00121	1	09/15/2017 15:24	WG1020800
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000938	0.00301	1	09/15/2017 15:24	WG1020800
2,2-Dichloropropane	U		0.000336	0.00121	1	09/15/2017 15:24	WG1020800
Di-isopropyl ether	U		0.000299	0.00121	1	09/15/2017 15:24	WG1020800
Ethylbenzene	U		0.000358	0.00121	1	09/15/2017 15:24	WG1020800
Hexachloro-1,3-butadiene	U		0.000412	0.00121	1	09/15/2017 15:24	WG1020800
2-Hexanone	U		0.00165	0.0121	1	09/15/2017 15:24	WG1020800
n-Hexane	U		0.000350	0.0121	1	09/15/2017 15:24	WG1020800
Iodomethane	U		0.00305	0.0121	1	09/15/2017 15:24	WG1020800
Isopropylbenzene	U		0.000293	0.00121	1	09/15/2017 15:24	WG1020800
p-Isopropyltoluene	U		0.000246	0.00121	1	09/15/2017 15:24	WG1020800
2-Butanone (MEK)	U		0.00564	0.0121	1	09/15/2017 15:24	WG1020800
Methylene Chloride	U		0.00121	0.00603	1	09/15/2017 15:24	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00227	0.0121	1	09/15/2017 15:24	WG1020800

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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		0.000256	0.00121	1	09/15/2017 15:24	WG1020800
Naphthalene	U		0.00121	0.00603	1	09/15/2017 15:24	WG1020800
n-Propylbenzene	U		0.000248	0.00121	1	09/15/2017 15:24	WG1020800
Styrene	U		0.000282	0.00121	1	09/15/2017 15:24	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000318	0.00121	1	09/15/2017 15:24	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000440	0.00121	1	09/15/2017 15:24	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00121	1	09/15/2017 15:24	WG1020800
Tetrachloroethene	U		0.000333	0.00121	1	09/15/2017 15:24	WG1020800
Toluene	U		0.000523	0.00603	1	09/15/2017 15:24	WG1020800
1,2,3-Trichlorobenzene	U		0.000369	0.00121	1	09/15/2017 15:24	WG1020800
1,2,4-Trichlorobenzene	U		0.000468	0.00121	1	09/15/2017 15:24	WG1020800
1,1,1-Trichloroethane	U		0.000345	0.00121	1	09/15/2017 15:24	WG1020800
1,1,2-Trichloroethane	U	J4	0.000334	0.00121	1	09/15/2017 15:24	WG1020800
Trichloroethene	U		0.000336	0.00121	1	09/15/2017 15:24	WG1020800
Trichlorofluoromethane	U		0.000461	0.00603	1	09/15/2017 15:24	WG1020800
1,2,3-Trichloropropane	U	J4	0.000893	0.00301	1	09/15/2017 15:24	WG1020800
1,2,4-Trimethylbenzene	U		0.000254	0.00121	1	09/15/2017 15:24	WG1020800
1,2,3-Trimethylbenzene	U		0.000346	0.00121	1	09/15/2017 15:24	WG1020800
1,3,5-Trimethylbenzene	U		0.000321	0.00121	1	09/15/2017 15:24	WG1020800
Vinyl acetate	U		0.00288	0.0121	1	09/15/2017 15:24	WG1020800
Vinyl chloride	U		0.000351	0.00121	1	09/15/2017 15:24	WG1020800
Xylenes, Total	U		0.000841	0.00362	1	09/15/2017 15:24	WG1020800
(S) Toluene-d8	*104*			*80.0-120*		*09/15/2017 15:24*	WG1020800
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/15/2017 15:24*	WG1020800
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/15/2017 15:24*	WG1020800

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	09/15/2017 15:43	WG1020800
Acrylonitrile	U		0.00194	0.0108	1	09/15/2017 15:43	WG1020800
Benzene	U		0.000292	0.00108	1	09/15/2017 15:43	WG1020800
Bromobenzene	U		0.000307	0.00108	1	09/15/2017 15:43	WG1020800
Bromodichloromethane	U		0.000275	0.00108	1	09/15/2017 15:43	WG1020800
Bromochloromethane	U	UJ	0.000422	0.00541	1	09/15/2017 15:43	WG1020800
Bromoform	U		0.000459	0.00108	1	09/15/2017 15:43	WG1020800
Bromomethane	U	R	0.00145	0.00541	1	09/15/2017 15:43	WG1020800
n-Butylbenzene	U		0.000279	0.00108	1	09/15/2017 15:43	WG1020800
sec-Butylbenzene	U		0.000217	0.00108	1	09/15/2017 15:43	WG1020800
tert-Butylbenzene	U		0.000223	0.00108	1	09/15/2017 15:43	WG1020800
Carbon disulfide	0.000333	J J	0.000239	0.00108	1	09/15/2017 15:43	WG1020800
Carbon tetrachloride	U		0.000355	0.00108	1	09/15/2017 15:43	WG1020800
Chlorobenzene	U		0.000229	0.00108	1	09/15/2017 15:43	WG1020800
Chlorodibromomethane	U		0.000403	0.00108	1	09/15/2017 15:43	WG1020800
Chloroethane	U	R	0.00102	0.00541	1	09/15/2017 15:43	WG1020800
Chloroform	U		0.000248	0.00541	1	09/15/2017 15:43	WG1020800
Chloromethane	U	R	0.000406	0.00270	1	09/15/2017 15:43	WG1020800
2-Chlorotoluene	U		0.000326	0.00108	1	09/15/2017 15:43	WG1020800
4-Chlorotoluene	U		0.000260	0.00108	1	09/15/2017 15:43	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00114	0.00541	1	09/15/2017 15:43	WG1020800
1,2-Dibromoethane	U	J4	0.000371	0.00108	1	09/15/2017 15:43	WG1020800
Dibromomethane	U		0.000413	0.00108	1	09/15/2017 15:43	WG1020800
1,2-Dichlorobenzene	U		0.000330	0.00108	1	09/15/2017 15:43	WG1020800
1,3-Dichlorobenzene	U		0.000258	0.00108	1	09/15/2017 15:43	WG1020800
1,4-Dichlorobenzene	U		0.000244	0.00108	1	09/15/2017 15:43	WG1020800
Dichlorodifluoromethane	U	R	0.000771	0.00541	1	09/15/2017 15:43	WG1020800
1,1-Dichloroethane	U		0.000215	0.00108	1	09/15/2017 15:43	WG1020800
1,2-Dichloroethane	U		0.000287	0.00108	1	09/15/2017 15:43	WG1020800
1,1-Dichloroethene	U	R	0.000328	0.00108	1	09/15/2017 15:43	WG1020800
cis-1,2-Dichloroethene	U		0.000254	0.00108	1	09/15/2017 15:43	WG1020800
trans-1,2-Dichloroethene	U	R	0.000286	0.00108	1	09/15/2017 15:43	WG1020800
1,2-Dichloropropane	U		0.000387	0.00108	1	09/15/2017 15:43	WG1020800
1,1-Dichloropropene	U	R	0.000343	0.00108	1	09/15/2017 15:43	WG1020800
1,3-Dichloropropane	U		0.000224	0.00108	1	09/15/2017 15:43	WG1020800
cis-1,3-Dichloropropene	U		0.000283	0.00108	1	09/15/2017 15:43	WG1020800
trans-1,3-Dichloropropene	U		0.000289	0.00108	1	09/15/2017 15:43	WG1020800
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000841	0.00270	1	09/15/2017 15:43	WG1020800
2,2-Dichloropropane	U		0.000302	0.00108	1	09/15/2017 15:43	WG1020800
Di-isopropyl ether	U		0.000268	0.00108	1	09/15/2017 15:43	WG1020800
Ethylbenzene	U		0.000321	0.00108	1	09/15/2017 15:43	WG1020800
Hexachloro-1,3-butadiene	U		0.000370	0.00108	1	09/15/2017 15:43	WG1020800
2-Hexanone	U		0.00148	0.0108	1	09/15/2017 15:43	WG1020800
n-Hexane	0.000387	J J	0.000314	0.0108	1	09/15/2017 15:43	WG1020800
Iodomethane	U	R	0.00274	0.0108	1	09/15/2017 15:43	WG1020800
Isopropylbenzene	U		0.000263	0.00108	1	09/15/2017 15:43	WG1020800
p-Isopropyltoluene	U		0.000221	0.00108	1	09/15/2017 15:43	WG1020800
2-Butanone (MEK)	U		0.00506	0.0108	1	09/15/2017 15:43	WG1020800
Methylene Chloride	U	R	0.00108	0.00541	1	09/15/2017 15:43	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00203	0.0108	1	09/15/2017 15:43	WG1020800

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

Analyte	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	09/15/2017 15:43	WG1020800
Naphthalene	U		0.00108	0.00541	1	09/15/2017 15:43	WG1020800
n-Propylbenzene	U		0.000223	0.00108	1	09/15/2017 15:43	WG1020800
Styrene	U		0.000253	0.00108	1	09/15/2017 15:43	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000286	0.00108	1	09/15/2017 15:43	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000395	0.00108	1	09/15/2017 15:43	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000395	0.00108	1	09/15/2017 15:43	WG1020800
Tetrachloroethene	U		0.000299	0.00108	1	09/15/2017 15:43	WG1020800
Toluene	U		0.000469	0.00541	1	09/15/2017 15:43	WG1020800
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	09/15/2017 15:43	WG1020800
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	09/15/2017 15:43	WG1020800
1,1,1-Trichloroethane	U		0.000309	0.00108	1	09/15/2017 15:43	WG1020800
1,1,2-Trichloroethane	U	J4	0.000300	0.00108	1	09/15/2017 15:43	WG1020800
Trichloroethene	U		0.000302	0.00108	1	09/15/2017 15:43	WG1020800
Trichlorofluoromethane	U		0.000413	0.00541	1	09/15/2017 15:43	WG1020800
1,2,3-Trichloropropane	U	J4	0.000801	0.00270	1	09/15/2017 15:43	WG1020800
1,2,4-Trimethylbenzene	U		0.000228	0.00108	1	09/15/2017 15:43	WG1020800
1,2,3-Trimethylbenzene	U		0.000310	0.00108	1	09/15/2017 15:43	WG1020800
1,3,5-Trimethylbenzene	U		0.000288	0.00108	1	09/15/2017 15:43	WG1020800
Vinyl acetate	U		0.00258	0.0108	1	09/15/2017 15:43	WG1020800
Vinyl chloride	U R		0.000315	0.00108	1	09/15/2017 15:43	WG1020800
Xylenes, Total	U		0.000755	0.00324	1	09/15/2017 15:43	WG1020800
(S) Toluene-d8	*109*			*80.0-120*		*09/15/2017 15:43*	WG1020800
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/15/2017 15:43*	WG1020800
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/15/2017 15:43*	WG1020800

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	09/20/2017 15:30	WG1020800
Acrylonitrile	U UJ	J0	0.00201	0.0112	1	09/20/2017 15:30	WG1020800
Benzene	U		0.000303	0.00112	1	09/20/2017 15:30	WG1020800
Bromobenzene	U		0.000318	0.00112	1	09/20/2017 15:30	WG1020800
Bromodichloromethane	U		0.000285	0.00112	1	09/20/2017 15:30	WG1020800
Bromochloromethane	U		0.000437	0.00560	1	09/20/2017 15:30	WG1020800
Bromoform	U		0.000475	0.00112	1	09/20/2017 15:30	WG1020800
Bromomethane	U		0.00150	0.00560	1	09/20/2017 15:30	WG1020800
n-Butylbenzene	U		0.000289	0.00112	1	09/20/2017 15:30	WG1020800
sec-Butylbenzene	U		0.000225	0.00112	1	09/20/2017 15:30	WG1020800
tert-Butylbenzene	U		0.000231	0.00112	1	09/20/2017 15:30	WG1020800
Carbon disulfide	0.000492 J	J	0.000248	0.00112	1	09/20/2017 15:30	WG1020800
Carbon tetrachloride	U		0.000368	0.00112	1	09/20/2017 15:30	WG1020800
Chlorobenzene	U		0.000238	0.00112	1	09/20/2017 15:30	WG1020800
Chlorodibromomethane	U		0.000418	0.00112	1	09/20/2017 15:30	WG1020800
Chloroethane	U		0.00106	0.00560	1	09/20/2017 15:30	WG1020800
Chloroform	U		0.000257	0.00560	1	09/20/2017 15:30	WG1020800
Chloromethane	U		0.000420	0.00280	1	09/20/2017 15:30	WG1020800
2-Chlorotoluene	U		0.000337	0.00112	1	09/20/2017 15:30	WG1020800
4-Chlorotoluene	U		0.000269	0.00112	1	09/20/2017 15:30	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	09/20/2017 15:30	WG1020800
1,2-Dibromoethane	U	J4	0.000384	0.00112	1	09/20/2017 15:30	WG1020800
Dibromomethane	U		0.000428	0.00112	1	09/20/2017 15:30	WG1020800
1,2-Dichlorobenzene	U		0.000342	0.00112	1	09/20/2017 15:30	WG1020800
1,3-Dichlorobenzene	U		0.000268	0.00112	1	09/20/2017 15:30	WG1020800
1,4-Dichlorobenzene	U		0.000253	0.00112	1	09/20/2017 15:30	WG1020800
Dichlorodifluoromethane	U		0.000799	0.00560	1	09/20/2017 15:30	WG1020800
1,1-Dichloroethane	U		0.000223	0.00112	1	09/20/2017 15:30	WG1020800
1,2-Dichloroethane	U		0.000297	0.00112	1	09/20/2017 15:30	WG1020800
1,1-Dichloroethene	U		0.000340	0.00112	1	09/20/2017 15:30	WG1020800
cis-1,2-Dichloroethene	U		0.000263	0.00112	1	09/20/2017 15:30	WG1020800
trans-1,2-Dichloroethene	U		0.000296	0.00112	1	09/20/2017 15:30	WG1020800
1,2-Dichloropropane	U		0.000401	0.00112	1	09/20/2017 15:30	WG1020800
1,1-Dichloropropene	U		0.000355	0.00112	1	09/20/2017 15:30	WG1020800
1,3-Dichloropropane	U		0.000232	0.00112	1	09/20/2017 15:30	WG1020800
cis-1,3-Dichloropropene	U		0.000294	0.00112	1	09/20/2017 15:30	WG1020800
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	09/20/2017 15:30	WG1020800
trans-1,4-Dichloro-2-butene	U		0.000872	0.00280	1	09/20/2017 15:30	WG1020800
2,2-Dichloropropane	U		0.000313	0.00112	1	09/20/2017 15:30	WG1020800
Di-isopropyl ether	U		0.000278	0.00112	1	09/20/2017 15:30	WG1020800
Ethylbenzene	U		0.000333	0.00112	1	09/20/2017 15:30	WG1020800
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	09/20/2017 15:30	WG1020800
2-Hexanone	U		0.00154	0.0112	1	09/20/2017 15:30	WG1020800
n-Hexane	0.000472 J	J	0.000325	0.0112	1	09/20/2017 15:30	WG1020800
Iodomethane	U		0.00283	0.0112	1	09/20/2017 15:30	WG1020800
Isopropylbenzene	U		0.000272	0.00112	1	09/20/2017 15:30	WG1020800
p-Isopropyltoluene	U		0.000229	0.00112	1	09/20/2017 15:30	WG1020800
2-Butanone (MEK)	U		0.00524	0.0112	1	09/20/2017 15:30	WG1020800
Methylene Chloride	U		0.00112	0.00560	1	09/20/2017 15:30	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	09/20/2017 15:30	WG1020800

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

Analyte	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	09/20/2017 15:30	WG1020800
Naphthalene	U		0.00112	0.00560	1	09/20/2017 15:30	WG1020800
n-Propylbenzene	U		0.000231	0.00112	1	09/20/2017 15:30	WG1020800
Styrene	U		0.000262	0.00112	1	09/20/2017 15:30	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	09/20/2017 15:30	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	09/20/2017 15:30	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	09/20/2017 15:30	WG1020800
Tetrachloroethene	U		0.000309	0.00112	1	09/20/2017 15:30	WG1020800
Toluene	U		0.000486	0.00560	1	09/20/2017 15:30	WG1020800
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	09/20/2017 15:30	WG1020800
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	09/20/2017 15:30	WG1020800
1,1,1-Trichloroethane	U		0.000320	0.00112	1	09/20/2017 15:30	WG1020800
1,1,2-Trichloroethane	U	J4	0.000310	0.00112	1	09/20/2017 15:30	WG1020800
Trichloroethene	U		0.000313	0.00112	1	09/20/2017 15:30	WG1020800
Trichlorofluoromethane	U		0.000428	0.00560	1	09/20/2017 15:30	WG1020800
1,2,3-Trichloropropane	U	J4	0.000830	0.00280	1	09/20/2017 15:30	WG1020800
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/20/2017 15:30	WG1020800
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	09/20/2017 15:30	WG1020800
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	09/20/2017 15:30	WG1020800
Vinyl acetate	U		0.00268	0.0112	1	09/20/2017 15:30	WG1020800
Vinyl chloride	U		0.000326	0.00112	1	09/20/2017 15:30	WG1020800
Xylenes, Total	U		0.000782	0.00336	1	09/20/2017 15:30	WG1020800
(S) Toluene-d8	*107*			*80.0-120*		*09/20/2017 15:30*	WG1020800
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/20/2017 15:30*	WG1020800
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*09/20/2017 15:30*	WG1020800

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	09/19/2017 13:04	WG1021766

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0177 J	J	0.0110	0.0551	1	09/15/2017 16:23	WG1020800
Acrylonitrile	U		0.00197	0.0110	1	09/15/2017 16:23	WG1020800
Benzene	U		0.000297	0.00110	1	09/15/2017 16:23	WG1020800
Bromobenzene	U		0.000313	0.00110	1	09/15/2017 16:23	WG1020800
Bromodichloromethane	U		0.000280	0.00110	1	09/15/2017 16:23	WG1020800
Bromochloromethane	U		0.000429	0.00551	1	09/15/2017 16:23	WG1020800
Bromoform	U		0.000467	0.00110	1	09/15/2017 16:23	WG1020800
Bromomethane	U		0.00148	0.00551	1	09/15/2017 16:23	WG1020800
n-Butylbenzene	U		0.000284	0.00110	1	09/15/2017 16:23	WG1020800
sec-Butylbenzene	U		0.000221	0.00110	1	09/15/2017 16:23	WG1020800
tert-Butylbenzene	U		0.000227	0.00110	1	09/15/2017 16:23	WG1020800
Carbon disulfide	0.00122		0.000243	0.00110	1	09/15/2017 16:23	WG1020800
Carbon tetrachloride	U		0.000361	0.00110	1	09/15/2017 16:23	WG1020800
Chlorobenzene	U		0.000233	0.00110	1	09/15/2017 16:23	WG1020800
Chlorodibromomethane	U		0.000411	0.00110	1	09/15/2017 16:23	WG1020800
Chloroethane	U		0.00104	0.00551	1	09/15/2017 16:23	WG1020800
Chloroform	U		0.000252	0.00551	1	09/15/2017 16:23	WG1020800
Chloromethane	U		0.000413	0.00275	1	09/15/2017 16:23	WG1020800
2-Chlorotoluene	U		0.000331	0.00110	1	09/15/2017 16:23	WG1020800
4-Chlorotoluene	U		0.000264	0.00110	1	09/15/2017 16:23	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00551	1	09/15/2017 16:23	WG1020800
1,2-Dibromoethane	U	J4	0.000378	0.00110	1	09/15/2017 16:23	WG1020800
Dibromomethane	U		0.000421	0.00110	1	09/15/2017 16:23	WG1020800
1,2-Dichlorobenzene	U		0.000336	0.00110	1	09/15/2017 16:23	WG1020800
1,3-Dichlorobenzene	U		0.000263	0.00110	1	09/15/2017 16:23	WG1020800
1,4-Dichlorobenzene	U		0.000249	0.00110	1	09/15/2017 16:23	WG1020800
Dichlorodifluoromethane	U		0.000785	0.00551	1	09/15/2017 16:23	WG1020800
1,1-Dichloroethane	U		0.000219	0.00110	1	09/15/2017 16:23	WG1020800
1,2-Dichloroethane	U		0.000292	0.00110	1	09/15/2017 16:23	WG1020800
1,1-Dichloroethene	U		0.000334	0.00110	1	09/15/2017 16:23	WG1020800
cis-1,2-Dichloroethene	U		0.000259	0.00110	1	09/15/2017 16:23	WG1020800
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	09/15/2017 16:23	WG1020800
1,2-Dichloropropane	U		0.000394	0.00110	1	09/15/2017 16:23	WG1020800
1,1-Dichloropropene	U		0.000349	0.00110	1	09/15/2017 16:23	WG1020800
1,3-Dichloropropane	U		0.000228	0.00110	1	09/15/2017 16:23	WG1020800
cis-1,3-Dichloropropene	U		0.000289	0.00110	1	09/15/2017 16:23	WG1020800
trans-1,3-Dichloropropene	U		0.000294	0.00110	1	09/15/2017 16:23	WG1020800
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000857	0.00275	1	09/15/2017 16:23	WG1020800
2,2-Dichloropropane	U		0.000307	0.00110	1	09/15/2017 16:23	WG1020800
Di-isopropyl ether	U		0.000273	0.00110	1	09/15/2017 16:23	WG1020800
Ethylbenzene	U		0.000327	0.00110	1	09/15/2017 16:23	WG1020800
Hexachloro-1,3-butadiene	U		0.000377	0.00110	1	09/15/2017 16:23	WG1020800
2-Hexanone	U		0.00151	0.0110	1	09/15/2017 16:23	WG1020800
n-Hexane	0.00110 J	J	0.000319	0.0110	1	09/15/2017 16:23	WG1020800
Iodomethane	U		0.00279	0.0110	1	09/15/2017 16:23	WG1020800
Isopropylbenzene	U		0.000268	0.00110	1	09/15/2017 16:23	WG1020800
p-Isopropyltoluene	U		0.000225	0.00110	1	09/15/2017 16:23	WG1020800
2-Butanone (MEK)	U		0.00515	0.0110	1	09/15/2017 16:23	WG1020800
Methylene Chloride	U		0.00110	0.00551	1	09/15/2017 16:23	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00207	0.0110	1	09/15/2017 16:23	WG1020800

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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	09/15/2017 16:23	WG1020800
Naphthalene	U		0.00110	0.00551	1	09/15/2017 16:23	WG1020800
n-Propylbenzene	U		0.000227	0.00110	1	09/15/2017 16:23	WG1020800
Styrene	U		0.000258	0.00110	1	09/15/2017 16:23	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	09/15/2017 16:23	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000402	0.00110	1	09/15/2017 16:23	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000402	0.00110	1	09/15/2017 16:23	WG1020800
Tetrachloroethene	U		0.000304	0.00110	1	09/15/2017 16:23	WG1020800
Toluene	U		0.000478	0.00551	1	09/15/2017 16:23	WG1020800
1,2,3-Trichlorobenzene	U		0.000337	0.00110	1	09/15/2017 16:23	WG1020800
1,2,4-Trichlorobenzene	U		0.000427	0.00110	1	09/15/2017 16:23	WG1020800
1,1,1-Trichloroethane	U		0.000315	0.00110	1	09/15/2017 16:23	WG1020800
1,1,2-Trichloroethane	U	J4	0.000305	0.00110	1	09/15/2017 16:23	WG1020800
Trichloroethene	U		0.000307	0.00110	1	09/15/2017 16:23	WG1020800
Trichlorofluoromethane	U		0.000421	0.00551	1	09/15/2017 16:23	WG1020800
1,2,3-Trichloropropane	U	J4	0.000816	0.00275	1	09/15/2017 16:23	WG1020800
1,2,4-Trimethylbenzene	U		0.000232	0.00110	1	09/15/2017 16:23	WG1020800
1,2,3-Trimethylbenzene	U		0.000316	0.00110	1	09/15/2017 16:23	WG1020800
1,3,5-Trimethylbenzene	U		0.000293	0.00110	1	09/15/2017 16:23	WG1020800
Vinyl acetate	U		0.00263	0.0110	1	09/15/2017 16:23	WG1020800
Vinyl chloride	U		0.000320	0.00110	1	09/15/2017 16:23	WG1020800
Xylenes, Total	U		0.000769	0.00330	1	09/15/2017 16:23	WG1020800
(S) Toluene-d8	*102*			*80.0-120*		*09/15/2017 16:23*	WG1020800
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/15/2017 16:23*	WG1020800
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/15/2017 16:23*	WG1020800

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/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	0.0120	0.0601	1	09/15/2017 16:42	WG1020800
Acrylonitrile	U		0.00215	0.0120	1	09/15/2017 16:42	WG1020800
Benzene	U		0.000325	0.00120	1	09/15/2017 16:42	WG1020800
Bromobenzene	U		0.000341	0.00120	1	09/15/2017 16:42	WG1020800
Bromodichloromethane	U		0.000305	0.00120	1	09/15/2017 16:42	WG1020800
Bromochloromethane	U		0.000469	0.00601	1	09/15/2017 16:42	WG1020800
Bromoform	U		0.000510	0.00120	1	09/15/2017 16:42	WG1020800
Bromomethane	U		0.00161	0.00601	1	09/15/2017 16:42	WG1020800
n-Butylbenzene	U		0.000310	0.00120	1	09/15/2017 16:42	WG1020800
sec-Butylbenzene	U		0.000242	0.00120	1	09/15/2017 16:42	WG1020800
tert-Butylbenzene	U		0.000248	0.00120	1	09/15/2017 16:42	WG1020800
Carbon disulfide	0.000541 J	J	0.000266	0.00120	1	09/15/2017 16:42	WG1020800
Carbon tetrachloride	U		0.000394	0.00120	1	09/15/2017 16:42	WG1020800
Chlorobenzene	U		0.000255	0.00120	1	09/15/2017 16:42	WG1020800
Chlorodibromomethane	U		0.000448	0.00120	1	09/15/2017 16:42	WG1020800
Chloroethane	U		0.00114	0.00601	1	09/15/2017 16:42	WG1020800
Chloroform	U		0.000275	0.00601	1	09/15/2017 16:42	WG1020800
Chloromethane	U		0.000451	0.00301	1	09/15/2017 16:42	WG1020800
2-Chlorotoluene	U		0.000362	0.00120	1	09/15/2017 16:42	WG1020800
4-Chlorotoluene	U		0.000289	0.00120	1	09/15/2017 16:42	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00601	1	09/15/2017 16:42	WG1020800
1,2-Dibromoethane	U	J4	0.000412	0.00120	1	09/15/2017 16:42	WG1020800
Dibromomethane	U		0.000459	0.00120	1	09/15/2017 16:42	WG1020800
1,2-Dichlorobenzene	U		0.000367	0.00120	1	09/15/2017 16:42	WG1020800
1,3-Dichlorobenzene	U		0.000287	0.00120	1	09/15/2017 16:42	WG1020800
1,4-Dichlorobenzene	U		0.000272	0.00120	1	09/15/2017 16:42	WG1020800
Dichlorodifluoromethane	U		0.000857	0.00601	1	09/15/2017 16:42	WG1020800
1,1-Dichloroethane	U		0.000239	0.00120	1	09/15/2017 16:42	WG1020800
1,2-Dichloroethane	U		0.000319	0.00120	1	09/15/2017 16:42	WG1020800
1,1-Dichloroethene	U		0.000364	0.00120	1	09/15/2017 16:42	WG1020800
cis-1,2-Dichloroethene	U		0.000283	0.00120	1	09/15/2017 16:42	WG1020800
trans-1,2-Dichloroethene	U		0.000317	0.00120	1	09/15/2017 16:42	WG1020800
1,2-Dichloropropane	U		0.000430	0.00120	1	09/15/2017 16:42	WG1020800
1,1-Dichloropropene	U		0.000381	0.00120	1	09/15/2017 16:42	WG1020800
1,3-Dichloropropane	U		0.000249	0.00120	1	09/15/2017 16:42	WG1020800
cis-1,3-Dichloropropene	U		0.000315	0.00120	1	09/15/2017 16:42	WG1020800
trans-1,3-Dichloropropene	U		0.000321	0.00120	1	09/15/2017 16:42	WG1020800
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000935	0.00301	1	09/15/2017 16:42	WG1020800
2,2-Dichloropropane	U		0.000335	0.00120	1	09/15/2017 16:42	WG1020800
Di-isopropyl ether	U		0.000298	0.00120	1	09/15/2017 16:42	WG1020800
Ethylbenzene	U		0.000357	0.00120	1	09/15/2017 16:42	WG1020800
Hexachloro-1,3-butadiene	U		0.000411	0.00120	1	09/15/2017 16:42	WG1020800
2-Hexanone	U		0.00165	0.0120	1	09/15/2017 16:42	WG1020800
n-Hexane	U		0.000349	0.0120	1	09/15/2017 16:42	WG1020800
Iodomethane	U		0.00304	0.0120	1	09/15/2017 16:42	WG1020800
Isopropylbenzene	U		0.000292	0.00120	1	09/15/2017 16:42	WG1020800
p-Isopropyltoluene	U		0.000245	0.00120	1	09/15/2017 16:42	WG1020800
2-Butanone (MEK)	U		0.00563	0.0120	1	09/15/2017 16:42	WG1020800
Methylene Chloride	U		0.00120	0.00601	1	09/15/2017 16:42	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00226	0.0120	1	09/15/2017 16:42	WG1020800

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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	09/15/2017 16:42	WG1020800
Naphthalene	U		0.00120	0.00601	1	09/15/2017 16:42	WG1020800
n-Propylbenzene	U		0.000248	0.00120	1	09/15/2017 16:42	WG1020800
Styrene	U		0.000281	0.00120	1	09/15/2017 16:42	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000317	0.00120	1	09/15/2017 16:42	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000439	0.00120	1	09/15/2017 16:42	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000439	0.00120	1	09/15/2017 16:42	WG1020800
Tetrachloroethene	U		0.000332	0.00120	1	09/15/2017 16:42	WG1020800
Toluene	U		0.000522	0.00601	1	09/15/2017 16:42	WG1020800
1,2,3-Trichlorobenzene	U		0.000368	0.00120	1	09/15/2017 16:42	WG1020800
1,2,4-Trichlorobenzene	U		0.000466	0.00120	1	09/15/2017 16:42	WG1020800
1,1,1-Trichloroethane	U		0.000344	0.00120	1	09/15/2017 16:42	WG1020800
1,1,2-Trichloroethane	U	J4	0.000333	0.00120	1	09/15/2017 16:42	WG1020800
Trichloroethene	U		0.000335	0.00120	1	09/15/2017 16:42	WG1020800
Trichlorofluoromethane	U		0.000459	0.00601	1	09/15/2017 16:42	WG1020800
1,2,3-Trichloropropane	U	J4	0.000891	0.00301	1	09/15/2017 16:42	WG1020800
1,2,4-Trimethylbenzene	U		0.000254	0.00120	1	09/15/2017 16:42	WG1020800
1,2,3-Trimethylbenzene	U		0.000345	0.00120	1	09/15/2017 16:42	WG1020800
1,3,5-Trimethylbenzene	U		0.000320	0.00120	1	09/15/2017 16:42	WG1020800
Vinyl acetate	U		0.00287	0.0120	1	09/15/2017 16:42	WG1020800
Vinyl chloride	U		0.000350	0.00120	1	09/15/2017 16:42	WG1020800
Xylenes, Total	U		0.000839	0.00361	1	09/15/2017 16:42	WG1020800
(S) Toluene-d8	*102*			*80.0-120*		*09/15/2017 16:42*	WG1020800
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/15/2017 16:42*	WG1020800
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*09/15/2017 16:42*	WG1020800

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	09/19/2017 13:04	WG1021766

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0189 J	J	0.0109	0.0545	1	09/15/2017 17:02	WG1020800
Acrylonitrile	U		0.00195	0.0109	1	09/15/2017 17:02	WG1020800
Benzene	U		0.000295	0.00109	1	09/15/2017 17:02	WG1020800
Bromobenzene	U		0.000310	0.00109	1	09/15/2017 17:02	WG1020800
Bromodichloromethane	U		0.000277	0.00109	1	09/15/2017 17:02	WG1020800
Bromochloromethane	U		0.000425	0.00545	1	09/15/2017 17:02	WG1020800
Bromoform	U		0.000462	0.00109	1	09/15/2017 17:02	WG1020800
Bromomethane	U		0.00146	0.00545	1	09/15/2017 17:02	WG1020800
n-Butylbenzene	U		0.000281	0.00109	1	09/15/2017 17:02	WG1020800
sec-Butylbenzene	U		0.000219	0.00109	1	09/15/2017 17:02	WG1020800
tert-Butylbenzene	U		0.000225	0.00109	1	09/15/2017 17:02	WG1020800
Carbon disulfide	0.000930 J	J	0.000241	0.00109	1	09/15/2017 17:02	WG1020800
Carbon tetrachloride	U		0.000358	0.00109	1	09/15/2017 17:02	WG1020800
Chlorobenzene	U		0.000231	0.00109	1	09/15/2017 17:02	WG1020800
Chlorodibromomethane	U		0.000407	0.00109	1	09/15/2017 17:02	WG1020800
Chloroethane	U		0.00103	0.00545	1	09/15/2017 17:02	WG1020800
Chloroform	U		0.000250	0.00545	1	09/15/2017 17:02	WG1020800
Chloromethane	U		0.000409	0.00273	1	09/15/2017 17:02	WG1020800
2-Chlorotoluene	U		0.000328	0.00109	1	09/15/2017 17:02	WG1020800
4-Chlorotoluene	U		0.000262	0.00109	1	09/15/2017 17:02	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00545	1	09/15/2017 17:02	WG1020800
1,2-Dibromoethane	U	J4	0.000374	0.00109	1	09/15/2017 17:02	WG1020800
Dibromomethane	U		0.000417	0.00109	1	09/15/2017 17:02	WG1020800
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/15/2017 17:02	WG1020800
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/15/2017 17:02	WG1020800
1,4-Dichlorobenzene	U		0.000247	0.00109	1	09/15/2017 17:02	WG1020800
Dichlorodifluoromethane	U		0.000778	0.00545	1	09/15/2017 17:02	WG1020800
1,1-Dichloroethane	U		0.000217	0.00109	1	09/15/2017 17:02	WG1020800
1,2-Dichloroethane	U		0.000289	0.00109	1	09/15/2017 17:02	WG1020800
1,1-Dichloroethene	U		0.000331	0.00109	1	09/15/2017 17:02	WG1020800
cis-1,2-Dichloroethene	U		0.000256	0.00109	1	09/15/2017 17:02	WG1020800
trans-1,2-Dichloroethene	U		0.000288	0.00109	1	09/15/2017 17:02	WG1020800
1,2-Dichloropropane	U		0.000390	0.00109	1	09/15/2017 17:02	WG1020800
1,1-Dichloropropene	U		0.000346	0.00109	1	09/15/2017 17:02	WG1020800
1,3-Dichloropropane	U		0.000226	0.00109	1	09/15/2017 17:02	WG1020800
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/15/2017 17:02	WG1020800
trans-1,3-Dichloropropene	U		0.000291	0.00109	1	09/15/2017 17:02	WG1020800
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000849	0.00273	1	09/15/2017 17:02	WG1020800
2,2-Dichloropropane	U		0.000304	0.00109	1	09/15/2017 17:02	WG1020800
Di-isopropyl ether	U		0.000271	0.00109	1	09/15/2017 17:02	WG1020800
Ethylbenzene	U		0.000324	0.00109	1	09/15/2017 17:02	WG1020800
Hexachloro-1,3-butadiene	U		0.000373	0.00109	1	09/15/2017 17:02	WG1020800
2-Hexanone	U		0.00149	0.0109	1	09/15/2017 17:02	WG1020800
n-Hexane	U		0.000316	0.0109	1	09/15/2017 17:02	WG1020800
Iodomethane	U		0.00276	0.0109	1	09/15/2017 17:02	WG1020800
Isopropylbenzene	U		0.000265	0.00109	1	09/15/2017 17:02	WG1020800
p-Isopropyltoluene	U		0.000223	0.00109	1	09/15/2017 17:02	WG1020800
2-Butanone (MEK)	U		0.00510	0.0109	1	09/15/2017 17:02	WG1020800
Methylene Chloride	U		0.00109	0.00545	1	09/15/2017 17:02	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00205	0.0109	1	09/15/2017 17:02	WG1020800

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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		0.000231	0.00109	1	09/15/2017 17:02	WG1020800
Naphthalene	U		0.00109	0.00545	1	09/15/2017 17:02	WG1020800
n-Propylbenzene	U		0.000225	0.00109	1	09/15/2017 17:02	WG1020800
Styrene	U		0.000255	0.00109	1	09/15/2017 17:02	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000288	0.00109	1	09/15/2017 17:02	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000398	0.00109	1	09/15/2017 17:02	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000398	0.00109	1	09/15/2017 17:02	WG1020800
Tetrachloroethene	U		0.000301	0.00109	1	09/15/2017 17:02	WG1020800
Toluene	U		0.000473	0.00545	1	09/15/2017 17:02	WG1020800
1,2,3-Trichlorobenzene	U		0.000334	0.00109	1	09/15/2017 17:02	WG1020800
1,2,4-Trichlorobenzene	U		0.000423	0.00109	1	09/15/2017 17:02	WG1020800
1,1,1-Trichloroethane	U		0.000312	0.00109	1	09/15/2017 17:02	WG1020800
1,1,2-Trichloroethane	U	J4	0.000302	0.00109	1	09/15/2017 17:02	WG1020800
Trichloroethene	U		0.000304	0.00109	1	09/15/2017 17:02	WG1020800
Trichlorofluoromethane	U		0.000417	0.00545	1	09/15/2017 17:02	WG1020800
1,2,3-Trichloropropane	U	J4	0.000808	0.00273	1	09/15/2017 17:02	WG1020800
1,2,4-Trimethylbenzene	U		0.000230	0.00109	1	09/15/2017 17:02	WG1020800
1,2,3-Trimethylbenzene	U		0.000313	0.00109	1	09/15/2017 17:02	WG1020800
1,3,5-Trimethylbenzene	U		0.000290	0.00109	1	09/15/2017 17:02	WG1020800
Vinyl acetate	U		0.00261	0.0109	1	09/15/2017 17:02	WG1020800
Vinyl chloride	U		0.000317	0.00109	1	09/15/2017 17:02	WG1020800
Xylenes, Total	U		0.000761	0.00327	1	09/15/2017 17:02	WG1020800
(S) Toluene-d8	*100*			*80.0-120*		*09/15/2017 17:02*	WG1020800
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/15/2017 17:02*	WG1020800
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/15/2017 17:02*	WG1020800

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.4		1	09/19/2017 13:04	WG1021766

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0124	0.0622	1	09/15/2017 17:22	WG1020800
Acrylonitrile	U		0.00223	0.0124	1	09/15/2017 17:22	WG1020800
Benzene	U		0.000336	0.00124	1	09/15/2017 17:22	WG1020800
Bromobenzene	U		0.000353	0.00124	1	09/15/2017 17:22	WG1020800
Bromodichloromethane	U		0.000316	0.00124	1	09/15/2017 17:22	WG1020800
Bromochloromethane	U		0.000485	0.00622	1	09/15/2017 17:22	WG1020800
Bromoform	U		0.000527	0.00124	1	09/15/2017 17:22	WG1020800
Bromomethane	U		0.00167	0.00622	1	09/15/2017 17:22	WG1020800
n-Butylbenzene	U		0.000321	0.00124	1	09/15/2017 17:22	WG1020800
sec-Butylbenzene	U		0.000250	0.00124	1	09/15/2017 17:22	WG1020800
tert-Butylbenzene	U		0.000256	0.00124	1	09/15/2017 17:22	WG1020800
Carbon disulfide	U		0.000275	0.00124	1	09/15/2017 17:22	WG1020800
Carbon tetrachloride	U		0.000408	0.00124	1	09/15/2017 17:22	WG1020800
Chlorobenzene	U		0.000264	0.00124	1	09/15/2017 17:22	WG1020800
Chlorodibromomethane	U		0.000464	0.00124	1	09/15/2017 17:22	WG1020800
Chloroethane	U		0.00118	0.00622	1	09/15/2017 17:22	WG1020800
Chloroform	U		0.000285	0.00622	1	09/15/2017 17:22	WG1020800
Chloromethane	U		0.000466	0.00311	1	09/15/2017 17:22	WG1020800
2-Chlorotoluene	U		0.000374	0.00124	1	09/15/2017 17:22	WG1020800
4-Chlorotoluene	U		0.000299	0.00124	1	09/15/2017 17:22	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00131	0.00622	1	09/15/2017 17:22	WG1020800
1,2-Dibromoethane	U	J4	0.000427	0.00124	1	09/15/2017 17:22	WG1020800
Dibromomethane	U		0.000475	0.00124	1	09/15/2017 17:22	WG1020800
1,2-Dichlorobenzene	U		0.000379	0.00124	1	09/15/2017 17:22	WG1020800
1,3-Dichlorobenzene	U		0.000297	0.00124	1	09/15/2017 17:22	WG1020800
1,4-Dichlorobenzene	U		0.000281	0.00124	1	09/15/2017 17:22	WG1020800
Dichlorodifluoromethane	U		0.000887	0.00622	1	09/15/2017 17:22	WG1020800
1,1-Dichloroethane	U		0.000248	0.00124	1	09/15/2017 17:22	WG1020800
1,2-Dichloroethane	U		0.000330	0.00124	1	09/15/2017 17:22	WG1020800
1,1-Dichloroethene	U		0.000377	0.00124	1	09/15/2017 17:22	WG1020800
cis-1,2-Dichloroethene	U		0.000292	0.00124	1	09/15/2017 17:22	WG1020800
trans-1,2-Dichloroethene	U		0.000328	0.00124	1	09/15/2017 17:22	WG1020800
1,2-Dichloropropane	U		0.000445	0.00124	1	09/15/2017 17:22	WG1020800
1,1-Dichloropropene	U		0.000394	0.00124	1	09/15/2017 17:22	WG1020800
1,3-Dichloropropane	U		0.000257	0.00124	1	09/15/2017 17:22	WG1020800
cis-1,3-Dichloropropene	U		0.000326	0.00124	1	09/15/2017 17:22	WG1020800
trans-1,3-Dichloropropene	U		0.000332	0.00124	1	09/15/2017 17:22	WG1020800
trans-1,4-Dichloro-2-butene	U	UJ J0	0.000968	0.00311	1	09/15/2017 17:22	WG1020800
2,2-Dichloropropane	U		0.000347	0.00124	1	09/15/2017 17:22	WG1020800
Di-isopropyl ether	U		0.000308	0.00124	1	09/15/2017 17:22	WG1020800
Ethylbenzene	U		0.000369	0.00124	1	09/15/2017 17:22	WG1020800
Hexachloro-1,3-butadiene	U		0.000425	0.00124	1	09/15/2017 17:22	WG1020800
2-Hexanone	U		0.00170	0.0124	1	09/15/2017 17:22	WG1020800
n-Hexane	U		0.000361	0.0124	1	09/15/2017 17:22	WG1020800
Iodomethane	U		0.00315	0.0124	1	09/15/2017 17:22	WG1020800
Isopropylbenzene	U		0.000302	0.00124	1	09/15/2017 17:22	WG1020800
p-Isopropyltoluene	U		0.000254	0.00124	1	09/15/2017 17:22	WG1020800
2-Butanone (MEK)	U		0.00582	0.0124	1	09/15/2017 17:22	WG1020800
Methylene Chloride	U		0.00124	0.00622	1	09/15/2017 17:22	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00234	0.0124	1	09/15/2017 17:22	WG1020800

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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		0.000264	0.00124	1	09/15/2017 17:22	WG1020800
Naphthalene	U		0.00124	0.00622	1	09/15/2017 17:22	WG1020800
n-Propylbenzene	U		0.000256	0.00124	1	09/15/2017 17:22	WG1020800
Styrene	U		0.000291	0.00124	1	09/15/2017 17:22	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000328	0.00124	1	09/15/2017 17:22	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000454	0.00124	1	09/15/2017 17:22	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000454	0.00124	1	09/15/2017 17:22	WG1020800
Tetrachloroethene	U		0.000343	0.00124	1	09/15/2017 17:22	WG1020800
Toluene	U		0.000540	0.00622	1	09/15/2017 17:22	WG1020800
1,2,3-Trichlorobenzene	U		0.000381	0.00124	1	09/15/2017 17:22	WG1020800
1,2,4-Trichlorobenzene	U		0.000483	0.00124	1	09/15/2017 17:22	WG1020800
1,1,1-Trichloroethane	U		0.000356	0.00124	1	09/15/2017 17:22	WG1020800
1,1,2-Trichloroethane	U	J4	0.000345	0.00124	1	09/15/2017 17:22	WG1020800
Trichloroethene	U		0.000347	0.00124	1	09/15/2017 17:22	WG1020800
Trichlorofluoromethane	U		0.000475	0.00622	1	09/15/2017 17:22	WG1020800
1,2,3-Trichloropropane	U	J4	0.000922	0.00311	1	09/15/2017 17:22	WG1020800
1,2,4-Trimethylbenzene	U		0.000262	0.00124	1	09/15/2017 17:22	WG1020800
1,2,3-Trimethylbenzene	U		0.000357	0.00124	1	09/15/2017 17:22	WG1020800
1,3,5-Trimethylbenzene	U		0.000331	0.00124	1	09/15/2017 17:22	WG1020800
Vinyl acetate	U		0.00297	0.0124	1	09/15/2017 17:22	WG1020800
Vinyl chloride	U		0.000362	0.00124	1	09/15/2017 17:22	WG1020800
Xylenes, Total	U		0.000868	0.00373	1	09/15/2017 17:22	WG1020800
(S) Toluene-d8	*106*			*80.0-120*		*09/15/2017 17:22*	WG1020800
(S) Dibromofluoromethane	*99.4*			*74.0-131*		*09/15/2017 17:22*	WG1020800
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/15/2017 17:22*	WG1020800

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	09/19/2017 13:04	WG1021766

Volatile Organic Compounds (GC/MS) 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	09/15/2017 17:41	WG1020800
Acrylonitrile	U		0.00214	0.0120	1	09/15/2017 17:41	WG1020800
Benzene	U		0.000323	0.00120	1	09/15/2017 17:41	WG1020800
Bromobenzene	U		0.000340	0.00120	1	09/15/2017 17:41	WG1020800
Bromodichloromethane	U		0.000304	0.00120	1	09/15/2017 17:41	WG1020800
Bromochloromethane	U		0.000467	0.00598	1	09/15/2017 17:41	WG1020800
Bromoform	U		0.000507	0.00120	1	09/15/2017 17:41	WG1020800
Bromomethane	U		0.00160	0.00598	1	09/15/2017 17:41	WG1020800
n-Butylbenzene	U		0.000309	0.00120	1	09/15/2017 17:41	WG1020800
sec-Butylbenzene	U		0.000241	0.00120	1	09/15/2017 17:41	WG1020800
tert-Butylbenzene	U		0.000247	0.00120	1	09/15/2017 17:41	WG1020800
Carbon disulfide	U		0.000265	0.00120	1	09/15/2017 17:41	WG1020800
Carbon tetrachloride	U		0.000393	0.00120	1	09/15/2017 17:41	WG1020800
Chlorobenzene	U		0.000254	0.00120	1	09/15/2017 17:41	WG1020800
Chlorodibromomethane	U		0.000446	0.00120	1	09/15/2017 17:41	WG1020800
Chloroethane	U		0.00113	0.00598	1	09/15/2017 17:41	WG1020800
Chloroform	U		0.000274	0.00598	1	09/15/2017 17:41	WG1020800
Chloromethane	U		0.000449	0.00299	1	09/15/2017 17:41	WG1020800
2-Chlorotoluene	U		0.000360	0.00120	1	09/15/2017 17:41	WG1020800
4-Chlorotoluene	U		0.000287	0.00120	1	09/15/2017 17:41	WG1020800
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00598	1	09/15/2017 17:41	WG1020800
1,2-Dibromoethane	U	J4	0.000411	0.00120	1	09/15/2017 17:41	WG1020800
Dibromomethane	U		0.000457	0.00120	1	09/15/2017 17:41	WG1020800
1,2-Dichlorobenzene	U		0.000365	0.00120	1	09/15/2017 17:41	WG1020800
1,3-Dichlorobenzene	U		0.000286	0.00120	1	09/15/2017 17:41	WG1020800
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/15/2017 17:41	WG1020800
Dichlorodifluoromethane	U		0.000853	0.00598	1	09/15/2017 17:41	WG1020800
1,1-Dichloroethane	U		0.000238	0.00120	1	09/15/2017 17:41	WG1020800
1,2-Dichloroethane	U		0.000317	0.00120	1	09/15/2017 17:41	WG1020800
1,1-Dichloroethene	U		0.000363	0.00120	1	09/15/2017 17:41	WG1020800
cis-1,2-Dichloroethene	U		0.000281	0.00120	1	09/15/2017 17:41	WG1020800
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	09/15/2017 17:41	WG1020800
1,2-Dichloropropane	U		0.000428	0.00120	1	09/15/2017 17:41	WG1020800
1,1-Dichloropropene	U		0.000379	0.00120	1	09/15/2017 17:41	WG1020800
1,3-Dichloropropane	U		0.000248	0.00120	1	09/15/2017 17:41	WG1020800
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	09/15/2017 17:41	WG1020800
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	09/15/2017 17:41	WG1020800
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000931	0.00299	1	09/15/2017 17:41	WG1020800
2,2-Dichloropropane	U		0.000334	0.00120	1	09/15/2017 17:41	WG1020800
Di-isopropyl ether	U		0.000297	0.00120	1	09/15/2017 17:41	WG1020800
Ethylbenzene	U		0.000355	0.00120	1	09/15/2017 17:41	WG1020800
Hexachloro-1,3-butadiene	U		0.000409	0.00120	1	09/15/2017 17:41	WG1020800
2-Hexanone	U		0.00164	0.0120	1	09/15/2017 17:41	WG1020800
n-Hexane	U		0.000347	0.0120	1	09/15/2017 17:41	WG1020800
Iodomethane	U		0.00303	0.0120	1	09/15/2017 17:41	WG1020800
Isopropylbenzene	U		0.000291	0.00120	1	09/15/2017 17:41	WG1020800
p-Isopropyltoluene	U		0.000244	0.00120	1	09/15/2017 17:41	WG1020800
2-Butanone (MEK)	U		0.00560	0.0120	1	09/15/2017 17:41	WG1020800
Methylene Chloride	U		0.00120	0.00598	1	09/15/2017 17:41	WG1020800
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	09/15/2017 17:41	WG1020800

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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		0.000254	0.00120	1	09/15/2017 17:41	WG1020800
Naphthalene	U		0.00120	0.00598	1	09/15/2017 17:41	WG1020800
n-Propylbenzene	U		0.000247	0.00120	1	09/15/2017 17:41	WG1020800
Styrene	U		0.000280	0.00120	1	09/15/2017 17:41	WG1020800
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	09/15/2017 17:41	WG1020800
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	09/15/2017 17:41	WG1020800
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	09/15/2017 17:41	WG1020800
Tetrachloroethene	U		0.000330	0.00120	1	09/15/2017 17:41	WG1020800
Toluene	U		0.000519	0.00598	1	09/15/2017 17:41	WG1020800
1,2,3-Trichlorobenzene	U		0.000366	0.00120	1	09/15/2017 17:41	WG1020800
1,2,4-Trichlorobenzene	U		0.000464	0.00120	1	09/15/2017 17:41	WG1020800
1,1,1-Trichloroethane	U		0.000342	0.00120	1	09/15/2017 17:41	WG1020800
1,1,2-Trichloroethane	U	J4	0.000332	0.00120	1	09/15/2017 17:41	WG1020800
Trichloroethene	U		0.000334	0.00120	1	09/15/2017 17:41	WG1020800
Trichlorofluoromethane	U		0.000457	0.00598	1	09/15/2017 17:41	WG1020800
1,2,3-Trichloropropane	U	J4	0.000887	0.00299	1	09/15/2017 17:41	WG1020800
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/15/2017 17:41	WG1020800
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	09/15/2017 17:41	WG1020800
1,3,5-Trimethylbenzene	U		0.000318	0.00120	1	09/15/2017 17:41	WG1020800
Vinyl acetate	U		0.00286	0.0120	1	09/15/2017 17:41	WG1020800
Vinyl chloride	U		0.000348	0.00120	1	09/15/2017 17:41	WG1020800
Xylenes, Total	U		0.000835	0.00359	1	09/15/2017 17:41	WG1020800
(S) Toluene-d8	*103*			*80.0-120*		*09/15/2017 17:41*	WG1020800
(S) Dibromofluoromethane	*99.8*			*74.0-131*		*09/15/2017 17:41*	WG1020800
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/15/2017 17:41*	WG1020800

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ANALYTICAL REPORT

September 25, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L937125
Samples Received:	09/15/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	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.

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MW-139-20 L937125-01 Solid

Collected by: Shannon McKernan | Collected date/time: 09/13/17 15:10 | Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1022370	1	09/20/17 14:30	09/20/17 14:56	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	1	09/13/17 15:10	09/24/17 17:49	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	30.75	09/13/17 15:10	09/25/17 13:33	BMB

MW-139-31 L937125-02 Solid

Collected by: Shannon McKernan | Collected date/time: 09/13/17 16:15 | Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1022370	1	09/20/17 14:30	09/20/17 14:56	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	1	09/13/17 16:15	09/19/17 23:50	JHH

MW-139-41 L937125-03 Solid

Collected by: Shannon McKernan | Collected date/time: 09/13/17 16:40 | Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1022371	1	09/20/17 14:12	09/20/17 14:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	1	09/13/17 16:40	09/20/17 00:08	JHH

MW-139-51 L937125-04 Solid

Collected by: Shannon McKernan | Collected date/time: 09/13/17 17:00 | Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1022371	1	09/20/17 14:12	09/20/17 14:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	1	09/13/17 17:00	09/20/17 00:25	JHH

MW-139-60 L937125-05 Solid

Collected by: Shannon McKernan | Collected date/time: 09/13/17 17:05 | Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1022371	1	09/20/17 14:12	09/20/17 14:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	1	09/13/17 17:05	09/20/17 00:43	JHH

MW-139-70 L937125-06 Solid

Collected by: Shannon McKernan | Collected date/time: 09/13/17 18:25 | Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1022371	1	09/20/17 14:12	09/20/17 14:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	1	09/13/17 18:25	09/20/17 01:00	JHH

MW-139-80 L937125-07 Solid

Collected by: Shannon McKernan | Collected date/time: 09/13/17 18:40 | Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1022371	1	09/20/17 14:12	09/20/17 14:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	1	09/13/17 18:40	09/24/17 18:09	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	25	09/13/17 18:40	09/25/17 14:03	BMB

MW-138-115 L937125-08 Solid

Collected by: Shannon McKernan
Collected date/time: 09/14/17 10:55
Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1022371	1	09/20/17 14:12	09/20/17 14:29	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1022131	1	09/14/17 10:55	09/20/17 01:35	JHH

MW-138-115-W L937125-09 GW

Collected by: Shannon McKernan
Collected date/time: 09/14/17 12:00
Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1021889	1	09/19/17 18:06	09/19/17 18:06	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1021889	1	09/23/17 16:42	09/23/17 16:42	DWR

TRIP BLANK-091417 L937125-10 GW

Collected by: Shannon McKernan
Collected date/time: 09/13/17 00:00
Received date/time: 09/15/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1021889	1	09/19/17 12:20	09/19/17 12:20	LRL
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1021889	1	09/23/17 17:21	09/23/17 17:21	DWR

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	86.4		1	09/20/2017 14:56	WG1022370

Volatile Organic Compounds (GC/MS) 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	09/24/2017 17:49	WG1022131
Acrylonitrile	U	J0	0.00207	0.0116	1	09/24/2017 17:49	WG1022131
Benzene	U		0.000312	0.00116	1	09/24/2017 17:49	WG1022131
Bromobenzene	U		0.000329	0.00116	1	09/24/2017 17:49	WG1022131
Bromodichloromethane	U		0.000294	0.00116	1	09/24/2017 17:49	WG1022131
Bromochloromethane	U		0.000451	0.00578	1	09/24/2017 17:49	WG1022131
Bromoform	U		0.000490	0.00116	1	09/24/2017 17:49	WG1022131
Bromomethane	U		0.00155	0.00578	1	09/24/2017 17:49	WG1022131
n-Butylbenzene	U		0.000298	0.00116	1	09/24/2017 17:49	WG1022131
sec-Butylbenzene	U		0.000233	0.00116	1	09/24/2017 17:49	WG1022131
tert-Butylbenzene	U		0.000238	0.00116	1	09/24/2017 17:49	WG1022131
Carbon disulfide	0.000485	J	0.000256	0.00116	1	09/24/2017 17:49	WG1022131
Carbon tetrachloride	U		0.000379	0.00116	1	09/24/2017 17:49	WG1022131
Chlorobenzene	U		0.000245	0.00116	1	09/24/2017 17:49	WG1022131
Chlorodibromomethane	U		0.000431	0.00116	1	09/24/2017 17:49	WG1022131
Chloroethane	U		0.00109	0.00578	1	09/24/2017 17:49	WG1022131
Chloroform	U		0.000265	0.00578	1	09/24/2017 17:49	WG1022131
Chloromethane	U	J0	0.000434	0.00289	1	09/24/2017 17:49	WG1022131
2-Chlorotoluene	U		0.000348	0.00116	1	09/24/2017 17:49	WG1022131
4-Chlorotoluene	U		0.000278	0.00116	1	09/24/2017 17:49	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	09/24/2017 17:49	WG1022131
1,2-Dibromoethane	U	J0	0.000397	0.00116	1	09/24/2017 17:49	WG1022131
Dibromomethane	U		0.000442	0.00116	1	09/24/2017 17:49	WG1022131
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/24/2017 17:49	WG1022131
1,3-Dichlorobenzene	U		0.000276	0.00116	1	09/24/2017 17:49	WG1022131
1,4-Dichlorobenzene	U		0.000261	0.00116	1	09/24/2017 17:49	WG1022131
Dichlorodifluoromethane	U		0.000825	0.00578	1	09/24/2017 17:49	WG1022131
1,1-Dichloroethane	U		0.000230	0.00116	1	09/24/2017 17:49	WG1022131
1,2-Dichloroethane	U		0.000307	0.00116	1	09/24/2017 17:49	WG1022131
1,1-Dichloroethene	U		0.000351	0.00116	1	09/24/2017 17:49	WG1022131
cis-1,2-Dichloroethene	0.000500	J	0.000272	0.00116	1	09/24/2017 17:49	WG1022131
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	09/24/2017 17:49	WG1022131
1,2-Dichloropropane	U		0.000414	0.00116	1	09/24/2017 17:49	WG1022131
1,1-Dichloropropene	U		0.000367	0.00116	1	09/24/2017 17:49	WG1022131
1,3-Dichloropropane	U		0.000239	0.00116	1	09/24/2017 17:49	WG1022131
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	09/24/2017 17:49	WG1022131
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/24/2017 17:49	WG1022131
trans-1,4-Dichloro-2-butene	U		0.0276	0.0889	30.75	09/25/2017 13:33	WG1022131
2,2-Dichloropropane	U		0.000323	0.00116	1	09/24/2017 17:49	WG1022131
Di-isopropyl ether	U	J0	0.000287	0.00116	1	09/24/2017 17:49	WG1022131
Ethylbenzene	U		0.000344	0.00116	1	09/24/2017 17:49	WG1022131
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/24/2017 17:49	WG1022131
2-Hexanone	U		0.00158	0.0116	1	09/24/2017 17:49	WG1022131
n-Hexane	U		0.000335	0.0116	1	09/24/2017 17:49	WG1022131
Iodomethane	U		0.00293	0.0116	1	09/24/2017 17:49	WG1022131
Isopropylbenzene	U		0.000281	0.00116	1	09/24/2017 17:49	WG1022131
p-Isopropyltoluene	U		0.000236	0.00116	1	09/24/2017 17:49	WG1022131
2-Butanone (MEK)	U		0.00541	0.0116	1	09/24/2017 17:49	WG1022131
Methylene Chloride	U		0.00116	0.00578	1	09/24/2017 17:49	WG1022131
4-Methyl-2-pentanone (MIBK)	U	J0	0.00217	0.0116	1	09/24/2017 17:49	WG1022131

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

Analyte	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	09/24/2017 17:49	WG1022131
Naphthalene	U		0.00116	0.00578	1	09/24/2017 17:49	WG1022131
n-Propylbenzene	U		0.000238	0.00116	1	09/24/2017 17:49	WG1022131
Styrene	U		0.000271	0.00116	1	09/24/2017 17:49	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	09/24/2017 17:49	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	09/24/2017 17:49	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	09/24/2017 17:49	WG1022131
Tetrachloroethene	0.0138	J	0.00982	0.0356	30.75	09/25/2017 13:33	WG1022131
Toluene	U		0.000502	0.00578	1	09/24/2017 17:49	WG1022131
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/24/2017 17:49	WG1022131
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	09/24/2017 17:49	WG1022131
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/24/2017 17:49	WG1022131
1,1,2-Trichloroethane	U		0.000320	0.00116	1	09/24/2017 17:49	WG1022131
Trichloroethene	U		0.000323	0.00116	1	09/24/2017 17:49	WG1022131
Trichlorofluoromethane	U		0.000442	0.00578	1	09/24/2017 17:49	WG1022131
1,2,3-Trichloropropane	U		0.000857	0.00289	1	09/24/2017 17:49	WG1022131
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/24/2017 17:49	WG1022131
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/24/2017 17:49	WG1022131
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/24/2017 17:49	WG1022131
Vinyl acetate	U		0.00276	0.0116	1	09/24/2017 17:49	WG1022131
Vinyl chloride	0.00397		0.000337	0.00116	1	09/24/2017 17:49	WG1022131
Xylenes, Total	U		0.000807	0.00347	1	09/24/2017 17:49	WG1022131
(S) Toluene-d8	*95.1*			*80.0-120*		*09/25/2017 13:33*	WG1022131
(S) Toluene-d8	*99.8*			*80.0-120*		*09/24/2017 17:49*	WG1022131
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/24/2017 17:49*	WG1022131
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/25/2017 13:33*	WG1022131
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/25/2017 13:33*	WG1022131
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/24/2017 17:49*	WG1022131

Sample Narrative:

L937125-01 WG1022131: Elevated RL. Bisulfate vials overweight, reported from MEOH vial.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	09/20/2017 14:56	WG1022370

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0535	1	09/19/2017 23:50	WG1022131
Acrylonitrile	U		0.00192	0.0107	1	09/19/2017 23:50	WG1022131
Benzene	U		0.000289	0.00107	1	09/19/2017 23:50	WG1022131
Bromobenzene	U		0.000304	0.00107	1	09/19/2017 23:50	WG1022131
Bromodichloromethane	U		0.000272	0.00107	1	09/19/2017 23:50	WG1022131
Bromochloromethane	U		0.000417	0.00535	1	09/19/2017 23:50	WG1022131
Bromoform	U	J0	0.000454	0.00107	1	09/19/2017 23:50	WG1022131
Bromomethane	U		0.00143	0.00535	1	09/19/2017 23:50	WG1022131
n-Butylbenzene	U		0.000276	0.00107	1	09/19/2017 23:50	WG1022131
sec-Butylbenzene	U		0.000215	0.00107	1	09/19/2017 23:50	WG1022131
tert-Butylbenzene	U		0.000220	0.00107	1	09/19/2017 23:50	WG1022131
Carbon disulfide	0.000694	J	0.000236	0.00107	1	09/19/2017 23:50	WG1022131
Carbon tetrachloride	U		0.000351	0.00107	1	09/19/2017 23:50	WG1022131
Chlorobenzene	U		0.000227	0.00107	1	09/19/2017 23:50	WG1022131
Chlorodibromomethane	U		0.000399	0.00107	1	09/19/2017 23:50	WG1022131
Chloroethane	U		0.00101	0.00535	1	09/19/2017 23:50	WG1022131
Chloroform	U		0.000245	0.00535	1	09/19/2017 23:50	WG1022131
Chloromethane	U		0.000401	0.00267	1	09/19/2017 23:50	WG1022131
2-Chlorotoluene	U		0.000322	0.00107	1	09/19/2017 23:50	WG1022131
4-Chlorotoluene	U		0.000257	0.00107	1	09/19/2017 23:50	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/19/2017 23:50	WG1022131
1,2-Dibromoethane	U		0.000367	0.00107	1	09/19/2017 23:50	WG1022131
Dibromomethane	U		0.000409	0.00107	1	09/19/2017 23:50	WG1022131
1,2-Dichlorobenzene	U		0.000326	0.00107	1	09/19/2017 23:50	WG1022131
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/19/2017 23:50	WG1022131
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/19/2017 23:50	WG1022131
Dichlorodifluoromethane	U		0.000763	0.00535	1	09/19/2017 23:50	WG1022131
1,1-Dichloroethane	U		0.000213	0.00107	1	09/19/2017 23:50	WG1022131
1,2-Dichloroethane	U		0.000284	0.00107	1	09/19/2017 23:50	WG1022131
1,1-Dichloroethene	U		0.000324	0.00107	1	09/19/2017 23:50	WG1022131
cis-1,2-Dichloroethene	0.00814		0.000251	0.00107	1	09/19/2017 23:50	WG1022131
trans-1,2-Dichloroethene	U		0.000282	0.00107	1	09/19/2017 23:50	WG1022131
1,2-Dichloropropane	U		0.000383	0.00107	1	09/19/2017 23:50	WG1022131
1,1-Dichloropropene	U		0.000339	0.00107	1	09/19/2017 23:50	WG1022131
1,3-Dichloropropane	U		0.000221	0.00107	1	09/19/2017 23:50	WG1022131
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/19/2017 23:50	WG1022131
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/19/2017 23:50	WG1022131
trans-1,4-Dichloro-2-butene	U	J0	0.000832	0.00267	1	09/19/2017 23:50	WG1022131
2,2-Dichloropropane	U		0.000298	0.00107	1	09/19/2017 23:50	WG1022131
Di-isopropyl ether	U		0.000265	0.00107	1	09/19/2017 23:50	WG1022131
Ethylbenzene	U		0.000318	0.00107	1	09/19/2017 23:50	WG1022131
Hexachloro-1,3-butadiene	U	J0	0.000366	0.00107	1	09/19/2017 23:50	WG1022131
2-Hexanone	U		0.00147	0.0107	1	09/19/2017 23:50	WG1022131
n-Hexane	U		0.000310	0.0107	1	09/19/2017 23:50	WG1022131
Iodomethane	U		0.00271	0.0107	1	09/19/2017 23:50	WG1022131
Isopropylbenzene	U		0.000260	0.00107	1	09/19/2017 23:50	WG1022131
p-Isopropyltoluene	U		0.000218	0.00107	1	09/19/2017 23:50	WG1022131
2-Butanone (MEK)	U		0.00501	0.0107	1	09/19/2017 23:50	WG1022131
Methylene Chloride	U		0.00107	0.00535	1	09/19/2017 23:50	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/19/2017 23:50	WG1022131

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		0.000227	0.00107	1	09/19/2017 23:50	WG1022131
Naphthalene	U		0.00107	0.00535	1	09/19/2017 23:50	WG1022131
n-Propylbenzene	U		0.000220	0.00107	1	09/19/2017 23:50	WG1022131
Styrene	U		0.000250	0.00107	1	09/19/2017 23:50	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	09/19/2017 23:50	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/19/2017 23:50	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/19/2017 23:50	WG1022131
Tetrachloroethene	0.00308		0.000295	0.00107	1	09/19/2017 23:50	WG1022131
Toluene	U		0.000464	0.00535	1	09/19/2017 23:50	WG1022131
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/19/2017 23:50	WG1022131
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	09/19/2017 23:50	WG1022131
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/19/2017 23:50	WG1022131
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/19/2017 23:50	WG1022131
Trichloroethene	0.000467	J	0.000298	0.00107	1	09/19/2017 23:50	WG1022131
Trichlorofluoromethane	U		0.000409	0.00535	1	09/19/2017 23:50	WG1022131
1,2,3-Trichloropropane	U		0.000793	0.00267	1	09/19/2017 23:50	WG1022131
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/19/2017 23:50	WG1022131
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/19/2017 23:50	WG1022131
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/19/2017 23:50	WG1022131
Vinyl acetate	U		0.00256	0.0107	1	09/19/2017 23:50	WG1022131
Vinyl chloride	0.00139		0.000311	0.00107	1	09/19/2017 23:50	WG1022131
Xylenes, Total	U		0.000747	0.00321	1	09/19/2017 23:50	WG1022131
(S) Toluene-d8	*97.9*			*80.0-120*		*09/19/2017 23:50*	WG1022131
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/19/2017 23:50*	WG1022131
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/19/2017 23:50*	WG1022131

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	09/20/2017 14:29	WG1022371

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0153	J JO	0.0107	0.0537	1	09/20/2017 00:08	WG1022131
Acrylonitrile	U		0.00192	0.0107	1	09/20/2017 00:08	WG1022131
Benzene	U		0.000290	0.00107	1	09/20/2017 00:08	WG1022131
Bromobenzene	U		0.000305	0.00107	1	09/20/2017 00:08	WG1022131
Bromodichloromethane	U		0.000273	0.00107	1	09/20/2017 00:08	WG1022131
Bromochloromethane	U		0.000419	0.00537	1	09/20/2017 00:08	WG1022131
Bromoform	U	JO	0.000455	0.00107	1	09/20/2017 00:08	WG1022131
Bromomethane	U		0.00144	0.00537	1	09/20/2017 00:08	WG1022131
n-Butylbenzene	U		0.000277	0.00107	1	09/20/2017 00:08	WG1022131
sec-Butylbenzene	U		0.000216	0.00107	1	09/20/2017 00:08	WG1022131
tert-Butylbenzene	U		0.000221	0.00107	1	09/20/2017 00:08	WG1022131
Carbon disulfide	0.00149		0.000237	0.00107	1	09/20/2017 00:08	WG1022131
Carbon tetrachloride	U		0.000352	0.00107	1	09/20/2017 00:08	WG1022131
Chlorobenzene	U		0.000228	0.00107	1	09/20/2017 00:08	WG1022131
Chlorodibromomethane	U		0.000401	0.00107	1	09/20/2017 00:08	WG1022131
Chloroethane	U		0.00102	0.00537	1	09/20/2017 00:08	WG1022131
Chloroform	U		0.000246	0.00537	1	09/20/2017 00:08	WG1022131
Chloromethane	U		0.000403	0.00269	1	09/20/2017 00:08	WG1022131
2-Chlorotoluene	U		0.000323	0.00107	1	09/20/2017 00:08	WG1022131
4-Chlorotoluene	U		0.000258	0.00107	1	09/20/2017 00:08	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	09/20/2017 00:08	WG1022131
1,2-Dibromoethane	U		0.000368	0.00107	1	09/20/2017 00:08	WG1022131
Dibromomethane	U		0.000410	0.00107	1	09/20/2017 00:08	WG1022131
1,2-Dichlorobenzene	U		0.000328	0.00107	1	09/20/2017 00:08	WG1022131
1,3-Dichlorobenzene	U		0.000257	0.00107	1	09/20/2017 00:08	WG1022131
1,4-Dichlorobenzene	U		0.000243	0.00107	1	09/20/2017 00:08	WG1022131
Dichlorodifluoromethane	U		0.000766	0.00537	1	09/20/2017 00:08	WG1022131
1,1-Dichloroethane	U		0.000214	0.00107	1	09/20/2017 00:08	WG1022131
1,2-Dichloroethane	U		0.000285	0.00107	1	09/20/2017 00:08	WG1022131
1,1-Dichloroethene	U		0.000325	0.00107	1	09/20/2017 00:08	WG1022131
cis-1,2-Dichloroethene	0.0982		0.000252	0.00107	1	09/20/2017 00:08	WG1022131
trans-1,2-Dichloroethene	0.000407	J	0.000284	0.00107	1	09/20/2017 00:08	WG1022131
1,2-Dichloropropane	U		0.000385	0.00107	1	09/20/2017 00:08	WG1022131
1,1-Dichloropropene	U		0.000340	0.00107	1	09/20/2017 00:08	WG1022131
1,3-Dichloropropane	U		0.000222	0.00107	1	09/20/2017 00:08	WG1022131
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/20/2017 00:08	WG1022131
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	09/20/2017 00:08	WG1022131
trans-1,4-Dichloro-2-butene	U	JO	0.000836	0.00269	1	09/20/2017 00:08	WG1022131
2,2-Dichloropropane	U		0.000300	0.00107	1	09/20/2017 00:08	WG1022131
Di-isopropyl ether	U		0.000266	0.00107	1	09/20/2017 00:08	WG1022131
Ethylbenzene	U		0.000319	0.00107	1	09/20/2017 00:08	WG1022131
Hexachloro-1,3-butadiene	U	JO	0.000367	0.00107	1	09/20/2017 00:08	WG1022131
2-Hexanone	U		0.00147	0.0107	1	09/20/2017 00:08	WG1022131
n-Hexane	0.00158	J	0.000311	0.0107	1	09/20/2017 00:08	WG1022131
Iodomethane	U		0.00272	0.0107	1	09/20/2017 00:08	WG1022131
Isopropylbenzene	U		0.000261	0.00107	1	09/20/2017 00:08	WG1022131
p-Isopropyltoluene	U		0.000219	0.00107	1	09/20/2017 00:08	WG1022131
2-Butanone (MEK)	U		0.00503	0.0107	1	09/20/2017 00:08	WG1022131
Methylene Chloride	U		0.00107	0.00537	1	09/20/2017 00:08	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/20/2017 00:08	WG1022131

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

Analyte	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	09/20/2017 00:08	WG1022131
Naphthalene	U		0.00107	0.00537	1	09/20/2017 00:08	WG1022131
n-Propylbenzene	U		0.000221	0.00107	1	09/20/2017 00:08	WG1022131
Styrene	U		0.000251	0.00107	1	09/20/2017 00:08	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000284	0.00107	1	09/20/2017 00:08	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	09/20/2017 00:08	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	09/20/2017 00:08	WG1022131
Tetrachloroethene	0.0126		0.000296	0.00107	1	09/20/2017 00:08	WG1022131
Toluene	U		0.000466	0.00537	1	09/20/2017 00:08	WG1022131
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	09/20/2017 00:08	WG1022131
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	09/20/2017 00:08	WG1022131
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/20/2017 00:08	WG1022131
1,1,2-Trichloroethane	U		0.000298	0.00107	1	09/20/2017 00:08	WG1022131
Trichloroethene	0.00100	J	0.000300	0.00107	1	09/20/2017 00:08	WG1022131
Trichlorofluoromethane	U		0.000410	0.00537	1	09/20/2017 00:08	WG1022131
1,2,3-Trichloropropane	U		0.000796	0.00269	1	09/20/2017 00:08	WG1022131
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	09/20/2017 00:08	WG1022131
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	09/20/2017 00:08	WG1022131
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	09/20/2017 00:08	WG1022131
Vinyl acetate	U		0.00257	0.0107	1	09/20/2017 00:08	WG1022131
Vinyl chloride	0.00209		0.000313	0.00107	1	09/20/2017 00:08	WG1022131
Xylenes, Total	U		0.000750	0.00322	1	09/20/2017 00:08	WG1022131
(S) Toluene-d8	*93.7*			*80.0-120*		*09/20/2017 00:08*	WG1022131
(S) Dibromofluoromethane	*117*			*74.0-131*		*09/20/2017 00:08*	WG1022131
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/20/2017 00:08*	WG1022131

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	09/20/2017 14:29	WG1022371

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0147	J JO	0.0115	0.0577	1	09/20/2017 00:25	WG1022131
Acrylonitrile	U		0.00207	0.0115	1	09/20/2017 00:25	WG1022131
Benzene	U		0.000312	0.00115	1	09/20/2017 00:25	WG1022131
Bromobenzene	U		0.000328	0.00115	1	09/20/2017 00:25	WG1022131
Bromodichloromethane	U		0.000293	0.00115	1	09/20/2017 00:25	WG1022131
Bromochloromethane	U		0.000450	0.00577	1	09/20/2017 00:25	WG1022131
Bromoform	U	JO	0.000489	0.00115	1	09/20/2017 00:25	WG1022131
Bromomethane	U		0.00155	0.00577	1	09/20/2017 00:25	WG1022131
n-Butylbenzene	U		0.000298	0.00115	1	09/20/2017 00:25	WG1022131
sec-Butylbenzene	U		0.000232	0.00115	1	09/20/2017 00:25	WG1022131
tert-Butylbenzene	U		0.000238	0.00115	1	09/20/2017 00:25	WG1022131
Carbon disulfide	0.000918	J	0.000255	0.00115	1	09/20/2017 00:25	WG1022131
Carbon tetrachloride	U		0.000378	0.00115	1	09/20/2017 00:25	WG1022131
Chlorobenzene	U		0.000245	0.00115	1	09/20/2017 00:25	WG1022131
Chlorodibromomethane	U		0.000430	0.00115	1	09/20/2017 00:25	WG1022131
Chloroethane	U		0.00109	0.00577	1	09/20/2017 00:25	WG1022131
Chloroform	U		0.000264	0.00577	1	09/20/2017 00:25	WG1022131
Chloromethane	U		0.000433	0.00288	1	09/20/2017 00:25	WG1022131
2-Chlorotoluene	U		0.000347	0.00115	1	09/20/2017 00:25	WG1022131
4-Chlorotoluene	U		0.000277	0.00115	1	09/20/2017 00:25	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	09/20/2017 00:25	WG1022131
1,2-Dibromoethane	U		0.000396	0.00115	1	09/20/2017 00:25	WG1022131
Dibromomethane	U		0.000441	0.00115	1	09/20/2017 00:25	WG1022131
1,2-Dichlorobenzene	U		0.000352	0.00115	1	09/20/2017 00:25	WG1022131
1,3-Dichlorobenzene	U		0.000276	0.00115	1	09/20/2017 00:25	WG1022131
1,4-Dichlorobenzene	U		0.000261	0.00115	1	09/20/2017 00:25	WG1022131
Dichlorodifluoromethane	U		0.000823	0.00577	1	09/20/2017 00:25	WG1022131
1,1-Dichloroethane	U		0.000230	0.00115	1	09/20/2017 00:25	WG1022131
1,2-Dichloroethane	U		0.000306	0.00115	1	09/20/2017 00:25	WG1022131
1,1-Dichloroethene	U		0.000350	0.00115	1	09/20/2017 00:25	WG1022131
cis-1,2-Dichloroethene	0.000763	J	0.000271	0.00115	1	09/20/2017 00:25	WG1022131
trans-1,2-Dichloroethene	U		0.000305	0.00115	1	09/20/2017 00:25	WG1022131
1,2-Dichloropropane	U		0.000413	0.00115	1	09/20/2017 00:25	WG1022131
1,1-Dichloropropene	U		0.000366	0.00115	1	09/20/2017 00:25	WG1022131
1,3-Dichloropropane	U		0.000239	0.00115	1	09/20/2017 00:25	WG1022131
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	09/20/2017 00:25	WG1022131
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	09/20/2017 00:25	WG1022131
trans-1,4-Dichloro-2-butene	U	JO	0.000898	0.00288	1	09/20/2017 00:25	WG1022131
2,2-Dichloropropane	U		0.000322	0.00115	1	09/20/2017 00:25	WG1022131
Di-isopropyl ether	U		0.000286	0.00115	1	09/20/2017 00:25	WG1022131
Ethylbenzene	U		0.000343	0.00115	1	09/20/2017 00:25	WG1022131
Hexachloro-1,3-butadiene	U	JO	0.000395	0.00115	1	09/20/2017 00:25	WG1022131
2-Hexanone	U		0.00158	0.0115	1	09/20/2017 00:25	WG1022131
n-Hexane	0.000675	J	0.000335	0.0115	1	09/20/2017 00:25	WG1022131
Iodomethane	U		0.00292	0.0115	1	09/20/2017 00:25	WG1022131
Isopropylbenzene	U		0.000280	0.00115	1	09/20/2017 00:25	WG1022131
p-Isopropyltoluene	U		0.000235	0.00115	1	09/20/2017 00:25	WG1022131
2-Butanone (MEK)	U		0.00540	0.0115	1	09/20/2017 00:25	WG1022131
Methylene Chloride	U		0.00115	0.00577	1	09/20/2017 00:25	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	09/20/2017 00:25	WG1022131

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

Analyte	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	09/20/2017 00:25	WG1022131
Naphthalene	U		0.00115	0.00577	1	09/20/2017 00:25	WG1022131
n-Propylbenzene	U		0.000238	0.00115	1	09/20/2017 00:25	WG1022131
Styrene	U		0.000270	0.00115	1	09/20/2017 00:25	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	09/20/2017 00:25	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	09/20/2017 00:25	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	09/20/2017 00:25	WG1022131
Tetrachloroethene	0.000397	J	0.000318	0.00115	1	09/20/2017 00:25	WG1022131
Toluene	U		0.000501	0.00577	1	09/20/2017 00:25	WG1022131
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	09/20/2017 00:25	WG1022131
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	09/20/2017 00:25	WG1022131
1,1,1-Trichloroethane	U		0.000330	0.00115	1	09/20/2017 00:25	WG1022131
1,1,2-Trichloroethane	U		0.000320	0.00115	1	09/20/2017 00:25	WG1022131
Trichloroethene	U		0.000322	0.00115	1	09/20/2017 00:25	WG1022131
Trichlorofluoromethane	U		0.000441	0.00577	1	09/20/2017 00:25	WG1022131
1,2,3-Trichloropropane	U		0.000855	0.00288	1	09/20/2017 00:25	WG1022131
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	09/20/2017 00:25	WG1022131
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	09/20/2017 00:25	WG1022131
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	09/20/2017 00:25	WG1022131
Vinyl acetate	U		0.00276	0.0115	1	09/20/2017 00:25	WG1022131
Vinyl chloride	U		0.000336	0.00115	1	09/20/2017 00:25	WG1022131
Xylenes, Total	U		0.000805	0.00346	1	09/20/2017 00:25	WG1022131
(S) Toluene-d8	*93.3*			*80.0-120*		*09/20/2017 00:25*	WG1022131
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/20/2017 00:25*	WG1022131
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/20/2017 00:25*	WG1022131

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	09/20/2017 14:29	WG1022371

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0537	1	09/20/2017 00:43	WG1022131
Acrylonitrile	U		0.00192	0.0107	1	09/20/2017 00:43	WG1022131
Benzene	U		0.000290	0.00107	1	09/20/2017 00:43	WG1022131
Bromobenzene	U		0.000305	0.00107	1	09/20/2017 00:43	WG1022131
Bromodichloromethane	U		0.000273	0.00107	1	09/20/2017 00:43	WG1022131
Bromochloromethane	U		0.000419	0.00537	1	09/20/2017 00:43	WG1022131
Bromoform	U	J0	0.000455	0.00107	1	09/20/2017 00:43	WG1022131
Bromomethane	U		0.00144	0.00537	1	09/20/2017 00:43	WG1022131
n-Butylbenzene	U		0.000277	0.00107	1	09/20/2017 00:43	WG1022131
sec-Butylbenzene	U		0.000216	0.00107	1	09/20/2017 00:43	WG1022131
tert-Butylbenzene	U		0.000221	0.00107	1	09/20/2017 00:43	WG1022131
Carbon disulfide	0.000528	J	0.000237	0.00107	1	09/20/2017 00:43	WG1022131
Carbon tetrachloride	U		0.000352	0.00107	1	09/20/2017 00:43	WG1022131
Chlorobenzene	U		0.000228	0.00107	1	09/20/2017 00:43	WG1022131
Chlorodibromomethane	U		0.000401	0.00107	1	09/20/2017 00:43	WG1022131
Chloroethane	U		0.00102	0.00537	1	09/20/2017 00:43	WG1022131
Chloroform	U		0.000246	0.00537	1	09/20/2017 00:43	WG1022131
Chloromethane	U		0.000403	0.00268	1	09/20/2017 00:43	WG1022131
2-Chlorotoluene	U		0.000323	0.00107	1	09/20/2017 00:43	WG1022131
4-Chlorotoluene	U		0.000258	0.00107	1	09/20/2017 00:43	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	09/20/2017 00:43	WG1022131
1,2-Dibromoethane	U		0.000368	0.00107	1	09/20/2017 00:43	WG1022131
Dibromomethane	U		0.000410	0.00107	1	09/20/2017 00:43	WG1022131
1,2-Dichlorobenzene	U		0.000328	0.00107	1	09/20/2017 00:43	WG1022131
1,3-Dichlorobenzene	U		0.000257	0.00107	1	09/20/2017 00:43	WG1022131
1,4-Dichlorobenzene	U		0.000243	0.00107	1	09/20/2017 00:43	WG1022131
Dichlorodifluoromethane	U		0.000766	0.00537	1	09/20/2017 00:43	WG1022131
1,1-Dichloroethane	U		0.000214	0.00107	1	09/20/2017 00:43	WG1022131
1,2-Dichloroethane	U		0.000285	0.00107	1	09/20/2017 00:43	WG1022131
1,1-Dichloroethene	U		0.000325	0.00107	1	09/20/2017 00:43	WG1022131
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	09/20/2017 00:43	WG1022131
trans-1,2-Dichloroethene	U		0.000284	0.00107	1	09/20/2017 00:43	WG1022131
1,2-Dichloropropane	U		0.000384	0.00107	1	09/20/2017 00:43	WG1022131
1,1-Dichloropropene	U		0.000340	0.00107	1	09/20/2017 00:43	WG1022131
1,3-Dichloropropane	U		0.000222	0.00107	1	09/20/2017 00:43	WG1022131
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/20/2017 00:43	WG1022131
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	09/20/2017 00:43	WG1022131
trans-1,4-Dichloro-2-butene	U	J0	0.000836	0.00268	1	09/20/2017 00:43	WG1022131
2,2-Dichloropropane	U		0.000300	0.00107	1	09/20/2017 00:43	WG1022131
Di-isopropyl ether	U		0.000266	0.00107	1	09/20/2017 00:43	WG1022131
Ethylbenzene	U		0.000319	0.00107	1	09/20/2017 00:43	WG1022131
Hexachloro-1,3-butadiene	U	J0	0.000367	0.00107	1	09/20/2017 00:43	WG1022131
2-Hexanone	U		0.00147	0.0107	1	09/20/2017 00:43	WG1022131
n-Hexane	U		0.000311	0.0107	1	09/20/2017 00:43	WG1022131
Iodomethane	U		0.00272	0.0107	1	09/20/2017 00:43	WG1022131
Isopropylbenzene	U		0.000261	0.00107	1	09/20/2017 00:43	WG1022131
p-Isopropyltoluene	U		0.000219	0.00107	1	09/20/2017 00:43	WG1022131
2-Butanone (MEK)	U		0.00503	0.0107	1	09/20/2017 00:43	WG1022131
Methylene Chloride	U		0.00107	0.00537	1	09/20/2017 00:43	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/20/2017 00:43	WG1022131

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

Analyte	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	09/20/2017 00:43	WG1022131
Naphthalene	U		0.00107	0.00537	1	09/20/2017 00:43	WG1022131
n-Propylbenzene	U		0.000221	0.00107	1	09/20/2017 00:43	WG1022131
Styrene	U		0.000251	0.00107	1	09/20/2017 00:43	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000284	0.00107	1	09/20/2017 00:43	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	09/20/2017 00:43	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	09/20/2017 00:43	WG1022131
Tetrachloroethene	U		0.000296	0.00107	1	09/20/2017 00:43	WG1022131
Toluene	U		0.000466	0.00537	1	09/20/2017 00:43	WG1022131
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	09/20/2017 00:43	WG1022131
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	09/20/2017 00:43	WG1022131
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/20/2017 00:43	WG1022131
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/20/2017 00:43	WG1022131
Trichloroethene	U		0.000300	0.00107	1	09/20/2017 00:43	WG1022131
Trichlorofluoromethane	U		0.000410	0.00537	1	09/20/2017 00:43	WG1022131
1,2,3-Trichloropropane	U		0.000796	0.00268	1	09/20/2017 00:43	WG1022131
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	09/20/2017 00:43	WG1022131
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	09/20/2017 00:43	WG1022131
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	09/20/2017 00:43	WG1022131
Vinyl acetate	U		0.00257	0.0107	1	09/20/2017 00:43	WG1022131
Vinyl chloride	U		0.000313	0.00107	1	09/20/2017 00:43	WG1022131
Xylenes, Total	U		0.000750	0.00322	1	09/20/2017 00:43	WG1022131
(S) Toluene-d8	*94.4*			*80.0-120*		*09/20/2017 00:43*	WG1022131
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/20/2017 00:43*	WG1022131
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/20/2017 00:43*	WG1022131

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	09/20/2017 14:29	WG1022371

Volatile Organic Compounds (GC/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 JO	0.0118	0.0590	1	09/20/2017 01:00	WG1022131
Acrylonitrile	U		0.00211	0.0118	1	09/20/2017 01:00	WG1022131
Benzene	U		0.000319	0.00118	1	09/20/2017 01:00	WG1022131
Bromobenzene	U		0.000335	0.00118	1	09/20/2017 01:00	WG1022131
Bromodichloromethane	U		0.000300	0.00118	1	09/20/2017 01:00	WG1022131
Bromochloromethane	U		0.000460	0.00590	1	09/20/2017 01:00	WG1022131
Bromoform	U	JO	0.000500	0.00118	1	09/20/2017 01:00	WG1022131
Bromomethane	U		0.00158	0.00590	1	09/20/2017 01:00	WG1022131
n-Butylbenzene	U		0.000304	0.00118	1	09/20/2017 01:00	WG1022131
sec-Butylbenzene	U		0.000237	0.00118	1	09/20/2017 01:00	WG1022131
tert-Butylbenzene	U		0.000243	0.00118	1	09/20/2017 01:00	WG1022131
Carbon disulfide	0.000621	J	0.000261	0.00118	1	09/20/2017 01:00	WG1022131
Carbon tetrachloride	U		0.000387	0.00118	1	09/20/2017 01:00	WG1022131
Chlorobenzene	U		0.000250	0.00118	1	09/20/2017 01:00	WG1022131
Chlorodibromomethane	U		0.000440	0.00118	1	09/20/2017 01:00	WG1022131
Chloroethane	U		0.00112	0.00590	1	09/20/2017 01:00	WG1022131
Chloroform	U		0.000270	0.00590	1	09/20/2017 01:00	WG1022131
Chloromethane	U		0.000442	0.00295	1	09/20/2017 01:00	WG1022131
2-Chlorotoluene	U		0.000355	0.00118	1	09/20/2017 01:00	WG1022131
4-Chlorotoluene	U		0.000283	0.00118	1	09/20/2017 01:00	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00590	1	09/20/2017 01:00	WG1022131
1,2-Dibromoethane	U		0.000405	0.00118	1	09/20/2017 01:00	WG1022131
Dibromomethane	U		0.000451	0.00118	1	09/20/2017 01:00	WG1022131
1,2-Dichlorobenzene	U		0.000360	0.00118	1	09/20/2017 01:00	WG1022131
1,3-Dichlorobenzene	U		0.000282	0.00118	1	09/20/2017 01:00	WG1022131
1,4-Dichlorobenzene	U		0.000267	0.00118	1	09/20/2017 01:00	WG1022131
Dichlorodifluoromethane	U		0.000841	0.00590	1	09/20/2017 01:00	WG1022131
1,1-Dichloroethane	U		0.000235	0.00118	1	09/20/2017 01:00	WG1022131
1,2-Dichloroethane	U		0.000313	0.00118	1	09/20/2017 01:00	WG1022131
1,1-Dichloroethene	U		0.000358	0.00118	1	09/20/2017 01:00	WG1022131
cis-1,2-Dichloroethene	U		0.000277	0.00118	1	09/20/2017 01:00	WG1022131
trans-1,2-Dichloroethene	U		0.000312	0.00118	1	09/20/2017 01:00	WG1022131
1,2-Dichloropropane	U		0.000422	0.00118	1	09/20/2017 01:00	WG1022131
1,1-Dichloropropene	U		0.000374	0.00118	1	09/20/2017 01:00	WG1022131
1,3-Dichloropropane	U		0.000244	0.00118	1	09/20/2017 01:00	WG1022131
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	09/20/2017 01:00	WG1022131
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	09/20/2017 01:00	WG1022131
trans-1,4-Dichloro-2-butene	U	JO	0.000918	0.00295	1	09/20/2017 01:00	WG1022131
2,2-Dichloropropane	U		0.000329	0.00118	1	09/20/2017 01:00	WG1022131
Di-isopropyl ether	U		0.000293	0.00118	1	09/20/2017 01:00	WG1022131
Ethylbenzene	U		0.000350	0.00118	1	09/20/2017 01:00	WG1022131
Hexachloro-1,3-butadiene	U	JO	0.000404	0.00118	1	09/20/2017 01:00	WG1022131
2-Hexanone	U		0.00162	0.0118	1	09/20/2017 01:00	WG1022131
n-Hexane	U		0.000342	0.0118	1	09/20/2017 01:00	WG1022131
Iodomethane	U		0.00299	0.0118	1	09/20/2017 01:00	WG1022131
Isopropylbenzene	U		0.000287	0.00118	1	09/20/2017 01:00	WG1022131
p-Isopropyltoluene	U		0.000241	0.00118	1	09/20/2017 01:00	WG1022131
2-Butanone (MEK)	U		0.00552	0.0118	1	09/20/2017 01:00	WG1022131
Methylene Chloride	U		0.00118	0.00590	1	09/20/2017 01:00	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	09/20/2017 01:00	WG1022131

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

Analyte	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	09/20/2017 01:00	WG1022131
Naphthalene	U		0.00118	0.00590	1	09/20/2017 01:00	WG1022131
n-Propylbenzene	U		0.000243	0.00118	1	09/20/2017 01:00	WG1022131
Styrene	U		0.000276	0.00118	1	09/20/2017 01:00	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	09/20/2017 01:00	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	09/20/2017 01:00	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	09/20/2017 01:00	WG1022131
Tetrachloroethene	U		0.000326	0.00118	1	09/20/2017 01:00	WG1022131
Toluene	U		0.000512	0.00590	1	09/20/2017 01:00	WG1022131
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	09/20/2017 01:00	WG1022131
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	09/20/2017 01:00	WG1022131
1,1,1-Trichloroethane	U		0.000337	0.00118	1	09/20/2017 01:00	WG1022131
1,1,2-Trichloroethane	U		0.000327	0.00118	1	09/20/2017 01:00	WG1022131
Trichloroethene	U		0.000329	0.00118	1	09/20/2017 01:00	WG1022131
Trichlorofluoromethane	U		0.000451	0.00590	1	09/20/2017 01:00	WG1022131
1,2,3-Trichloropropane	U		0.000874	0.00295	1	09/20/2017 01:00	WG1022131
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	09/20/2017 01:00	WG1022131
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	09/20/2017 01:00	WG1022131
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	09/20/2017 01:00	WG1022131
Vinyl acetate	U		0.00282	0.0118	1	09/20/2017 01:00	WG1022131
Vinyl chloride	U		0.000343	0.00118	1	09/20/2017 01:00	WG1022131
Xylenes, Total	U		0.000824	0.00354	1	09/20/2017 01:00	WG1022131
(S) Toluene-d8	*93.8*			*80.0-120*		*09/20/2017 01:00*	WG1022131
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/20/2017 01:00*	WG1022131
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/20/2017 01:00*	WG1022131

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	09/20/2017 14:29	WG1022371

Volatile Organic Compounds (GC/MS) 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	0.0565	1	09/24/2017 18:09	WG1022131
Acrylonitrile	U	J0	0.00202	0.0113	1	09/24/2017 18:09	WG1022131
Benzene	U		0.000305	0.00113	1	09/24/2017 18:09	WG1022131
Bromobenzene	U		0.000321	0.00113	1	09/24/2017 18:09	WG1022131
Bromodichloromethane	U		0.000287	0.00113	1	09/24/2017 18:09	WG1022131
Bromochloromethane	U		0.000441	0.00565	1	09/24/2017 18:09	WG1022131
Bromoform	U		0.000479	0.00113	1	09/24/2017 18:09	WG1022131
Bromomethane	U		0.00151	0.00565	1	09/24/2017 18:09	WG1022131
n-Butylbenzene	U		0.000292	0.00113	1	09/24/2017 18:09	WG1022131
sec-Butylbenzene	U		0.000227	0.00113	1	09/24/2017 18:09	WG1022131
tert-Butylbenzene	U		0.000233	0.00113	1	09/24/2017 18:09	WG1022131
Carbon disulfide	0.000551	J	0.000250	0.00113	1	09/24/2017 18:09	WG1022131
Carbon tetrachloride	U		0.000371	0.00113	1	09/24/2017 18:09	WG1022131
Chlorobenzene	U		0.000240	0.00113	1	09/24/2017 18:09	WG1022131
Chlorodibromomethane	U		0.000421	0.00113	1	09/24/2017 18:09	WG1022131
Chloroethane	U		0.00107	0.00565	1	09/24/2017 18:09	WG1022131
Chloroform	U		0.000259	0.00565	1	09/24/2017 18:09	WG1022131
Chloromethane	U	J0	0.000424	0.00283	1	09/24/2017 18:09	WG1022131
2-Chlorotoluene	U		0.000340	0.00113	1	09/24/2017 18:09	WG1022131
4-Chlorotoluene	U		0.000271	0.00113	1	09/24/2017 18:09	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	09/24/2017 18:09	WG1022131
1,2-Dibromoethane	U	J0	0.000388	0.00113	1	09/24/2017 18:09	WG1022131
Dibromomethane	U		0.000432	0.00113	1	09/24/2017 18:09	WG1022131
1,2-Dichlorobenzene	U		0.000345	0.00113	1	09/24/2017 18:09	WG1022131
1,3-Dichlorobenzene	U		0.000270	0.00113	1	09/24/2017 18:09	WG1022131
1,4-Dichlorobenzene	U		0.000255	0.00113	1	09/24/2017 18:09	WG1022131
Dichlorodifluoromethane	U		0.000806	0.00565	1	09/24/2017 18:09	WG1022131
1,1-Dichloroethane	U		0.000225	0.00113	1	09/24/2017 18:09	WG1022131
1,2-Dichloroethane	U		0.000299	0.00113	1	09/24/2017 18:09	WG1022131
1,1-Dichloroethene	U		0.000342	0.00113	1	09/24/2017 18:09	WG1022131
cis-1,2-Dichloroethene	U		0.000266	0.00113	1	09/24/2017 18:09	WG1022131
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	09/24/2017 18:09	WG1022131
1,2-Dichloropropane	U		0.000405	0.00113	1	09/24/2017 18:09	WG1022131
1,1-Dichloropropene	U		0.000358	0.00113	1	09/24/2017 18:09	WG1022131
1,3-Dichloropropane	U		0.000234	0.00113	1	09/24/2017 18:09	WG1022131
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	09/24/2017 18:09	WG1022131
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	09/24/2017 18:09	WG1022131
trans-1,4-Dichloro-2-butene	U		0.0219	0.0706	25	09/25/2017 14:03	WG1022131
2,2-Dichloropropane	U		0.000315	0.00113	1	09/24/2017 18:09	WG1022131
Di-isopropyl ether	U	J0	0.000280	0.00113	1	09/24/2017 18:09	WG1022131
Ethylbenzene	U		0.000336	0.00113	1	09/24/2017 18:09	WG1022131
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	09/24/2017 18:09	WG1022131
2-Hexanone	U		0.00155	0.0113	1	09/24/2017 18:09	WG1022131
n-Hexane	U		0.000328	0.0113	1	09/24/2017 18:09	WG1022131
Iodomethane	U		0.00286	0.0113	1	09/24/2017 18:09	WG1022131
Isopropylbenzene	U		0.000275	0.00113	1	09/24/2017 18:09	WG1022131
p-Isopropyltoluene	U		0.000231	0.00113	1	09/24/2017 18:09	WG1022131
2-Butanone (MEK)	U		0.00529	0.0113	1	09/24/2017 18:09	WG1022131
Methylene Chloride	U		0.00113	0.00565	1	09/24/2017 18:09	WG1022131
4-Methyl-2-pentanone (MIBK)	U	J0	0.00212	0.0113	1	09/24/2017 18:09	WG1022131

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		0.000240	0.00113	1	09/24/2017 18:09	WG1022131
Naphthalene	U		0.00113	0.00565	1	09/24/2017 18:09	WG1022131
n-Propylbenzene	U		0.000233	0.00113	1	09/24/2017 18:09	WG1022131
Styrene	U		0.000264	0.00113	1	09/24/2017 18:09	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	09/24/2017 18:09	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	09/24/2017 18:09	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	09/24/2017 18:09	WG1022131
Tetrachloroethene	U		0.00780	0.0283	25	09/25/2017 14:03	WG1022131
Toluene	U		0.000490	0.00565	1	09/24/2017 18:09	WG1022131
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	09/24/2017 18:09	WG1022131
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	09/24/2017 18:09	WG1022131
1,1,1-Trichloroethane	U		0.000323	0.00113	1	09/24/2017 18:09	WG1022131
1,1,2-Trichloroethane	U		0.000313	0.00113	1	09/24/2017 18:09	WG1022131
Trichloroethene	U		0.000315	0.00113	1	09/24/2017 18:09	WG1022131
Trichlorofluoromethane	U		0.000432	0.00565	1	09/24/2017 18:09	WG1022131
1,2,3-Trichloropropane	U		0.000837	0.00283	1	09/24/2017 18:09	WG1022131
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	09/24/2017 18:09	WG1022131
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	09/24/2017 18:09	WG1022131
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	09/24/2017 18:09	WG1022131
Vinyl acetate	U		0.00270	0.0113	1	09/24/2017 18:09	WG1022131
Vinyl chloride	U		0.000329	0.00113	1	09/24/2017 18:09	WG1022131
Xylenes, Total	U		0.000789	0.00339	1	09/24/2017 18:09	WG1022131
(S) Toluene-d8	*111*			*80.0-120*		*09/24/2017 18:09*	WG1022131
(S) Toluene-d8	*94.2*			*80.0-120*		*09/25/2017 14:03*	WG1022131
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/25/2017 14:03*	WG1022131
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*09/24/2017 18:09*	WG1022131
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/24/2017 18:09*	WG1022131
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/25/2017 14:03*	WG1022131

Sample Narrative:

L937125-07 WG1022131: Elevated RL. Bisulfate vials overweight, reported from MEOH vial.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	09/20/2017 14:29	WG1022371

Volatile Organic Compounds (GC/MS) 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	09/20/2017 01:35	WG1022131
Acrylonitrile	U		0.00207	0.0116	1	09/20/2017 01:35	WG1022131
Benzene	U		0.000313	0.00116	1	09/20/2017 01:35	WG1022131
Bromobenzene	U		0.000329	0.00116	1	09/20/2017 01:35	WG1022131
Bromodichloromethane	U		0.000294	0.00116	1	09/20/2017 01:35	WG1022131
Bromochloromethane	U		0.000452	0.00579	1	09/20/2017 01:35	WG1022131
Bromoform	U	J0	0.000491	0.00116	1	09/20/2017 01:35	WG1022131
Bromomethane	U		0.00155	0.00579	1	09/20/2017 01:35	WG1022131
n-Butylbenzene	U		0.000299	0.00116	1	09/20/2017 01:35	WG1022131
sec-Butylbenzene	U		0.000233	0.00116	1	09/20/2017 01:35	WG1022131
tert-Butylbenzene	U		0.000239	0.00116	1	09/20/2017 01:35	WG1022131
Carbon disulfide	U		0.000256	0.00116	1	09/20/2017 01:35	WG1022131
Carbon tetrachloride	U		0.000380	0.00116	1	09/20/2017 01:35	WG1022131
Chlorobenzene	U		0.000246	0.00116	1	09/20/2017 01:35	WG1022131
Chlorodibromomethane	U		0.000432	0.00116	1	09/20/2017 01:35	WG1022131
Chloroethane	U		0.00110	0.00579	1	09/20/2017 01:35	WG1022131
Chloroform	U		0.000265	0.00579	1	09/20/2017 01:35	WG1022131
Chloromethane	U		0.000434	0.00290	1	09/20/2017 01:35	WG1022131
2-Chlorotoluene	U		0.000349	0.00116	1	09/20/2017 01:35	WG1022131
4-Chlorotoluene	U		0.000278	0.00116	1	09/20/2017 01:35	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	09/20/2017 01:35	WG1022131
1,2-Dibromoethane	U		0.000397	0.00116	1	09/20/2017 01:35	WG1022131
Dibromomethane	U		0.000443	0.00116	1	09/20/2017 01:35	WG1022131
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/20/2017 01:35	WG1022131
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/20/2017 01:35	WG1022131
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/20/2017 01:35	WG1022131
Dichlorodifluoromethane	U		0.000826	0.00579	1	09/20/2017 01:35	WG1022131
1,1-Dichloroethane	U		0.000231	0.00116	1	09/20/2017 01:35	WG1022131
1,2-Dichloroethane	U		0.000307	0.00116	1	09/20/2017 01:35	WG1022131
1,1-Dichloroethene	U		0.000351	0.00116	1	09/20/2017 01:35	WG1022131
cis-1,2-Dichloroethene	U		0.000272	0.00116	1	09/20/2017 01:35	WG1022131
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/20/2017 01:35	WG1022131
1,2-Dichloropropane	U		0.000415	0.00116	1	09/20/2017 01:35	WG1022131
1,1-Dichloropropene	U		0.000367	0.00116	1	09/20/2017 01:35	WG1022131
1,3-Dichloropropane	U		0.000240	0.00116	1	09/20/2017 01:35	WG1022131
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	09/20/2017 01:35	WG1022131
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/20/2017 01:35	WG1022131
trans-1,4-Dichloro-2-butene	U	J0	0.000901	0.00290	1	09/20/2017 01:35	WG1022131
2,2-Dichloropropane	U		0.000323	0.00116	1	09/20/2017 01:35	WG1022131
Di-isopropyl ether	U		0.000287	0.00116	1	09/20/2017 01:35	WG1022131
Ethylbenzene	U		0.000344	0.00116	1	09/20/2017 01:35	WG1022131
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/20/2017 01:35	WG1022131
2-Hexanone	U	J0	0.00159	0.0116	1	09/20/2017 01:35	WG1022131
n-Hexane	U		0.000336	0.0116	1	09/20/2017 01:35	WG1022131
Iodomethane	U		0.00293	0.0116	1	09/20/2017 01:35	WG1022131
Isopropylbenzene	U		0.000281	0.00116	1	09/20/2017 01:35	WG1022131
p-Isopropyltoluene	U		0.000236	0.00116	1	09/20/2017 01:35	WG1022131
2-Butanone (MEK)	U		0.00542	0.0116	1	09/20/2017 01:35	WG1022131
Methylene Chloride	U		0.00116	0.00579	1	09/20/2017 01:35	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/20/2017 01:35	WG1022131

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

Analyte	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	09/20/2017 01:35	WG1022131
Naphthalene	U		0.00116	0.00579	1	09/20/2017 01:35	WG1022131
n-Propylbenzene	U		0.000239	0.00116	1	09/20/2017 01:35	WG1022131
Styrene	U		0.000271	0.00116	1	09/20/2017 01:35	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/20/2017 01:35	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/20/2017 01:35	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/20/2017 01:35	WG1022131
Tetrachloroethene	U		0.000320	0.00116	1	09/20/2017 01:35	WG1022131
Toluene	U		0.000503	0.00579	1	09/20/2017 01:35	WG1022131
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/20/2017 01:35	WG1022131
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	09/20/2017 01:35	WG1022131
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/20/2017 01:35	WG1022131
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/20/2017 01:35	WG1022131
Trichloroethene	U		0.000323	0.00116	1	09/20/2017 01:35	WG1022131
Trichlorofluoromethane	U		0.000443	0.00579	1	09/20/2017 01:35	WG1022131
1,2,3-Trichloropropane	U		0.000858	0.00290	1	09/20/2017 01:35	WG1022131
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/20/2017 01:35	WG1022131
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/20/2017 01:35	WG1022131
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/20/2017 01:35	WG1022131
Vinyl acetate	U		0.00277	0.0116	1	09/20/2017 01:35	WG1022131
Vinyl chloride	U		0.000337	0.00116	1	09/20/2017 01:35	WG1022131
Xylenes, Total	U		0.000809	0.00348	1	09/20/2017 01:35	WG1022131
(S) Toluene-d8	*94.5*			*80.0-120*		*09/20/2017 01:35*	WG1022131
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/20/2017 01:35*	WG1022131
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/20/2017 01:35*	WG1022131

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	6.20	B J	1.05	25.0	1	09/19/2017 18:06	WG1021889
Acrylonitrile	U		0.873	5.00	1	09/19/2017 18:06	WG1021889
Benzene	0.275	J	0.0896	0.500	1	09/19/2017 18:06	WG1021889
Bromobenzene	U		0.133	0.500	1	09/19/2017 18:06	WG1021889
Bromodichloromethane	U		0.0800	0.500	1	09/19/2017 18:06	WG1021889
Bromochloromethane	U		0.145	0.500	1	09/19/2017 18:06	WG1021889
Bromoform	U		0.186	0.500	1	09/19/2017 18:06	WG1021889
Bromomethane	U		0.157	2.50	1	09/19/2017 18:06	WG1021889
n-Butylbenzene	U		0.143	0.500	1	09/19/2017 18:06	WG1021889
sec-Butylbenzene	U		0.134	0.500	1	09/19/2017 18:06	WG1021889
tert-Butylbenzene	U		0.183	0.500	1	09/19/2017 18:06	WG1021889
Carbon disulfide	U		0.101	0.500	1	09/19/2017 18:06	WG1021889
Carbon tetrachloride	U		0.159	0.500	1	09/19/2017 18:06	WG1021889
Chlorobenzene	U		0.140	0.500	1	09/19/2017 18:06	WG1021889
Chlorodibromomethane	U		0.128	0.500	1	09/19/2017 18:06	WG1021889
Chloroethane	U		0.141	2.50	1	09/19/2017 18:06	WG1021889
Chloroform	U		0.0860	0.500	1	09/19/2017 18:06	WG1021889
Chloromethane	0.489	J	0.153	1.25	1	09/19/2017 18:06	WG1021889
2-Chlorotoluene	U		0.111	0.500	1	09/19/2017 18:06	WG1021889
4-Chlorotoluene	U		0.0972	0.500	1	09/19/2017 18:06	WG1021889
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/19/2017 18:06	WG1021889
1,2-Dibromoethane	U		0.193	0.500	1	09/19/2017 18:06	WG1021889
Dibromomethane	U		0.117	0.500	1	09/19/2017 18:06	WG1021889
1,2-Dichlorobenzene	U		0.101	0.500	1	09/19/2017 18:06	WG1021889
1,3-Dichlorobenzene	U		0.130	0.500	1	09/19/2017 18:06	WG1021889
1,4-Dichlorobenzene	U		0.121	0.500	1	09/19/2017 18:06	WG1021889
Dichlorodifluoromethane	U		0.127	2.50	1	09/19/2017 18:06	WG1021889
1,1-Dichloroethane	U		0.114	0.500	1	09/19/2017 18:06	WG1021889
1,2-Dichloroethane	U		0.108	0.500	1	09/19/2017 18:06	WG1021889
1,1-Dichloroethene	U		0.188	0.500	1	09/19/2017 18:06	WG1021889
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/19/2017 18:06	WG1021889
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/19/2017 18:06	WG1021889
1,2-Dichloropropane	U		0.190	0.500	1	09/19/2017 18:06	WG1021889
1,1-Dichloropropene	U		0.128	0.500	1	09/19/2017 18:06	WG1021889
1,3-Dichloropropane	U		0.147	1.00	1	09/19/2017 18:06	WG1021889
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/19/2017 18:06	WG1021889
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/19/2017 18:06	WG1021889
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/23/2017 16:42	WG1021889
2,2-Dichloropropane	U		0.0929	0.500	1	09/19/2017 18:06	WG1021889
Di-isopropyl ether	U		0.0924	0.500	1	09/19/2017 18:06	WG1021889
Ethylbenzene	U		0.158	0.500	1	09/19/2017 18:06	WG1021889
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/19/2017 18:06	WG1021889
2-Hexanone	U		0.757	5.00	1	09/19/2017 18:06	WG1021889
n-Hexane	0.707	J	0.305	5.00	1	09/19/2017 18:06	WG1021889
Iodomethane	U		0.377	10.0	1	09/19/2017 18:06	WG1021889
Isopropylbenzene	U		0.126	0.500	1	09/19/2017 18:06	WG1021889
p-Isopropyltoluene	U		0.138	0.500	1	09/19/2017 18:06	WG1021889
2-Butanone (MEK)	1.50	J	1.28	5.00	1	09/19/2017 18:06	WG1021889
Methylene Chloride	U		1.07	2.50	1	09/19/2017 18:06	WG1021889
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/19/2017 18:06	WG1021889
Methyl tert-butyl ether	U		0.102	0.500	1	09/19/2017 18:06	WG1021889
Naphthalene	U		0.174	2.50	1	09/19/2017 18:06	WG1021889
n-Propylbenzene	U		0.162	0.500	1	09/19/2017 18:06	WG1021889
Styrene	U		0.117	0.500	1	09/19/2017 18:06	WG1021889
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/19/2017 18:06	WG1021889
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/19/2017 18:06	WG1021889

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/19/2017 18:06	WG1021889
Tetrachloroethene	U		0.199	0.500	1	09/19/2017 18:06	WG1021889
Toluene	10.4		0.412	0.500	1	09/19/2017 18:06	WG1021889
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/19/2017 18:06	WG1021889
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/19/2017 18:06	WG1021889
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/19/2017 18:06	WG1021889
1,1,2-Trichloroethane	U		0.186	0.500	1	09/19/2017 18:06	WG1021889
Trichloroethene	U		0.153	0.500	1	09/19/2017 18:06	WG1021889
Trichlorofluoromethane	U		0.130	2.50	1	09/19/2017 18:06	WG1021889
1,2,3-Trichloropropane	U		0.247	2.50	1	09/19/2017 18:06	WG1021889
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/19/2017 18:06	WG1021889
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/19/2017 18:06	WG1021889
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/19/2017 18:06	WG1021889
Vinyl acetate	U		0.645	5.00	1	09/19/2017 18:06	WG1021889
Vinyl chloride	U		0.118	0.500	1	09/19/2017 18:06	WG1021889
Xylenes, Total	U		0.316	1.50	1	09/19/2017 18:06	WG1021889
(S) Toluene-d8	*104*			*80.0-120*		*09/23/2017 16:42*	WG1021889
(S) Toluene-d8	*103*			*80.0-120*		*09/19/2017 18:06*	WG1021889
(S) Dibromofluoromethane	*97.7*			*76.0-123*		*09/23/2017 16:42*	WG1021889
(S) Dibromofluoromethane	*98.0*			*76.0-123*		*09/19/2017 18:06*	WG1021889
(S) 4-Bromofluorobenzene	*95.2*			*80.0-120*		*09/19/2017 18:06*	WG1021889
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*09/23/2017 16:42*	WG1021889

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	B J	1.05	25.0	1	09/19/2017 12:20	WG1021889
Acrylonitrile	U		0.873	5.00	1	09/19/2017 12:20	WG1021889
Benzene	U		0.0896	0.500	1	09/19/2017 12:20	WG1021889
Bromobenzene	U		0.133	0.500	1	09/19/2017 12:20	WG1021889
Bromodichloromethane	U		0.0800	0.500	1	09/19/2017 12:20	WG1021889
Bromochloromethane	U		0.145	0.500	1	09/19/2017 12:20	WG1021889
Bromoform	U		0.186	0.500	1	09/19/2017 12:20	WG1021889
Bromomethane	U		0.157	2.50	1	09/19/2017 12:20	WG1021889
n-Butylbenzene	U		0.143	0.500	1	09/19/2017 12:20	WG1021889
sec-Butylbenzene	U		0.134	0.500	1	09/19/2017 12:20	WG1021889
tert-Butylbenzene	U		0.183	0.500	1	09/19/2017 12:20	WG1021889
Carbon disulfide	U		0.101	0.500	1	09/19/2017 12:20	WG1021889
Carbon tetrachloride	U		0.159	0.500	1	09/19/2017 12:20	WG1021889
Chlorobenzene	U		0.140	0.500	1	09/19/2017 12:20	WG1021889
Chlorodibromomethane	U		0.128	0.500	1	09/19/2017 12:20	WG1021889
Chloroethane	U		0.141	2.50	1	09/19/2017 12:20	WG1021889
Chloroform	U		0.0860	0.500	1	09/19/2017 12:20	WG1021889
Chloromethane	U		0.153	1.25	1	09/19/2017 12:20	WG1021889
2-Chlorotoluene	U		0.111	0.500	1	09/19/2017 12:20	WG1021889
4-Chlorotoluene	U		0.0972	0.500	1	09/19/2017 12:20	WG1021889
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/19/2017 12:20	WG1021889
1,2-Dibromoethane	U		0.193	0.500	1	09/19/2017 12:20	WG1021889
Dibromomethane	U		0.117	0.500	1	09/19/2017 12:20	WG1021889
1,2-Dichlorobenzene	U		0.101	0.500	1	09/19/2017 12:20	WG1021889
1,3-Dichlorobenzene	U		0.130	0.500	1	09/19/2017 12:20	WG1021889
1,4-Dichlorobenzene	U		0.121	0.500	1	09/19/2017 12:20	WG1021889
Dichlorodifluoromethane	U		0.127	2.50	1	09/19/2017 12:20	WG1021889
1,1-Dichloroethane	U		0.114	0.500	1	09/19/2017 12:20	WG1021889
1,2-Dichloroethane	U		0.108	0.500	1	09/19/2017 12:20	WG1021889
1,1-Dichloroethene	U		0.188	0.500	1	09/19/2017 12:20	WG1021889
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/19/2017 12:20	WG1021889
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/19/2017 12:20	WG1021889
1,2-Dichloropropane	U		0.190	0.500	1	09/19/2017 12:20	WG1021889
1,1-Dichloropropene	U		0.128	0.500	1	09/19/2017 12:20	WG1021889
1,3-Dichloropropane	U		0.147	1.00	1	09/19/2017 12:20	WG1021889
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/19/2017 12:20	WG1021889
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/19/2017 12:20	WG1021889
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/23/2017 17:21	WG1021889
2,2-Dichloropropane	U		0.0929	0.500	1	09/19/2017 12:20	WG1021889
Di-isopropyl ether	U		0.0924	0.500	1	09/19/2017 12:20	WG1021889
Ethylbenzene	U		0.158	0.500	1	09/19/2017 12:20	WG1021889
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/19/2017 12:20	WG1021889
2-Hexanone	U		0.757	5.00	1	09/19/2017 12:20	WG1021889
n-Hexane	U		0.305	5.00	1	09/19/2017 12:20	WG1021889
Iodomethane	U		0.377	10.0	1	09/19/2017 12:20	WG1021889
Isopropylbenzene	U		0.126	0.500	1	09/19/2017 12:20	WG1021889
p-Isopropyltoluene	U		0.138	0.500	1	09/19/2017 12:20	WG1021889
2-Butanone (MEK)	U		1.28	5.00	1	09/19/2017 12:20	WG1021889
Methylene Chloride	U		1.07	2.50	1	09/19/2017 12:20	WG1021889
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/19/2017 12:20	WG1021889
Methyl tert-butyl ether	U		0.102	0.500	1	09/19/2017 12:20	WG1021889
Naphthalene	U		0.174	2.50	1	09/19/2017 12:20	WG1021889
n-Propylbenzene	U		0.162	0.500	1	09/19/2017 12:20	WG1021889
Styrene	U		0.117	0.500	1	09/19/2017 12:20	WG1021889
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/19/2017 12:20	WG1021889
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/19/2017 12:20	WG1021889

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/19/2017 12:20	WG1021889
Tetrachloroethene	U		0.199	0.500	1	09/19/2017 12:20	WG1021889
Toluene	U		0.412	0.500	1	09/19/2017 12:20	WG1021889
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/19/2017 12:20	WG1021889
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/19/2017 12:20	WG1021889
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/19/2017 12:20	WG1021889
1,1,2-Trichloroethane	U		0.186	0.500	1	09/19/2017 12:20	WG1021889
Trichloroethene	U		0.153	0.500	1	09/19/2017 12:20	WG1021889
Trichlorofluoromethane	U		0.130	2.50	1	09/19/2017 12:20	WG1021889
1,2,3-Trichloropropane	U		0.247	2.50	1	09/19/2017 12:20	WG1021889
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/19/2017 12:20	WG1021889
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/19/2017 12:20	WG1021889
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/19/2017 12:20	WG1021889
Vinyl acetate	U		0.645	5.00	1	09/19/2017 12:20	WG1021889
Vinyl chloride	U		0.118	0.500	1	09/19/2017 12:20	WG1021889
Xylenes, Total	U		0.316	1.50	1	09/19/2017 12:20	WG1021889
(S) Toluene-d8	*103*			*80.0-120*		*09/23/2017 17:21*	WG1021889
(S) Toluene-d8	*104*			*80.0-120*		*09/19/2017 12:20*	WG1021889
(S) Dibromofluoromethane	*99.9*			*76.0-123*		*09/23/2017 17:21*	WG1021889
(S) Dibromofluoromethane	*99.7*			*76.0-123*		*09/19/2017 12:20*	WG1021889
(S) 4-Bromofluorobenzene	*98.3*			*80.0-120*		*09/23/2017 17:21*	WG1021889
(S) 4-Bromofluorobenzene	*91.8*			*80.0-120*		*09/19/2017 12:20*	WG1021889

Method Blank (MB)

(MB) R3250966-1 09/20/17 14:56

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00130			

L936877-08 Original Sample (OS) • Duplicate (DUP)

(OS) L936877-08 09/20/17 14:56 • (DUP) R3250966-3 09/20/17 14:56

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.2	97.2	1	0.0217		5

Laboratory Control Sample (LCS)

(LCS) R3250966-2 09/20/17 14:56

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

Method Blank (MB)

(MB) R3250965-1 09/20/17 14:29

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000800			

L937125-03 Original Sample (OS) • Duplicate (DUP)

(OS) L937125-03 09/20/17 14:29 • (DUP) R3250965-3 09/20/17 14:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.1	92.5	1	0.696		5

Laboratory Control Sample (LCS)

(LCS) R3250965-2 09/20/17 14:29

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) R3251721-3 09/19/17 10:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	1.35	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
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
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
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
1,3-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-1,3-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) R3251721-3 09/19/17 10:56

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	0.164	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
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
Methylene Chloride	U		1.07	2.50
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
Tetrachloroethene	U		0.199	0.500
Vinyl acetate	U		0.645	5.00
Toluene	U		0.412	0.500
Xylenes, Total	U		0.316	1.50
Trichloroethene	U		0.153	0.500
Vinyl chloride	U		0.118	0.500
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*97.6*			*76.0-123*
(S) 4-Bromofluorobenzene	*95.0*			*80.0-120*

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

(LCS) R3251721-1 09/19/17 09:04 • (LCSD) R3251721-2 09/19/17 09:26

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 %
Acetone	125	124	127	99.0	102	10.0-160			2.94	23
Acrylonitrile	125	123	133	98.5	106	60.0-142			7.72	20
Benzene	25.0	24.7	24.6	98.8	98.6	69.0-123			0.260	20
Bromobenzene	25.0	22.6	23.3	90.6	93.1	79.0-120			2.71	20
Bromodichloromethane	25.0	24.3	24.5	97.2	98.1	76.0-120			0.900	20
Bromochloromethane	25.0	25.1	25.7	100	103	76.0-122			2.19	20
Bromoform	25.0	25.5	25.9	102	104	67.0-132			1.46	20
Bromomethane	25.0	27.2	26.7	109	107	18.0-160			2.15	20
n-Butylbenzene	25.0	24.4	25.1	97.6	101	72.0-126			3.02	20
sec-Butylbenzene	25.0	24.5	25.2	97.9	101	74.0-121			3.07	20
tert-Butylbenzene	25.0	24.3	24.9	97.1	99.7	75.0-122			2.66	20
Carbon disulfide	25.0	25.9	26.1	104	105	55.0-127			0.850	20
Carbon tetrachloride	25.0	25.3	24.9	101	99.5	63.0-122			1.50	20
Chlorobenzene	25.0	25.4	25.9	102	103	79.0-121			1.74	20
Chlorodibromomethane	25.0	27.0	26.9	108	108	75.0-125			0.410	20
Chloroethane	25.0	27.7	27.8	111	111	47.0-152			0.0900	20
Chloromethane	25.0	26.5	26.7	106	107	48.0-139			0.780	20
2-Chlorotoluene	25.0	23.3	24.0	93.3	96.1	74.0-122			2.91	20
4-Chlorotoluene	25.0	22.9	23.8	91.5	95.1	79.0-120			3.80	20
1,2-Dibromo-3-Chloropropane	25.0	25.5	25.9	102	103	64.0-127			1.19	20
1,2-Dibromoethane	25.0	25.3	25.7	101	103	77.0-123			1.23	20
Dibromomethane	25.0	24.9	25.3	99.6	101	78.0-120			1.76	20
1,2-Dichlorobenzene	25.0	24.6	25.1	98.4	100	80.0-120			1.97	20
1,3-Dichlorobenzene	25.0	24.2	25.0	96.9	99.8	72.0-123			2.95	20
1,4-Dichlorobenzene	25.0	24.2	24.7	96.9	98.6	77.0-120			1.70	20
Dichlorodifluoromethane	25.0	31.2	31.7	125	127	49.0-155			1.62	20
1,1-Dichloroethane	25.0	25.0	24.8	99.8	99.3	70.0-126			0.490	20
1,1-Dichloroethene	25.0	25.5	25.3	102	101	64.0-129			0.740	20
trans-1,2-Dichloroethene	25.0	25.4	25.2	102	101	71.0-121			0.760	20
1,2-Dichloropropane	25.0	24.7	25.0	98.9	99.9	75.0-125			1.01	20
1,1-Dichloropropene	25.0	25.6	25.6	102	102	71.0-129			0.0600	20
1,3-Dichloropropane	25.0	25.4	25.6	102	102	80.0-121			0.820	20
cis-1,3-Dichloropropene	25.0	25.8	26.4	103	105	79.0-123			2.15	20
trans-1,3-Dichloropropene	25.0	25.6	25.9	102	104	74.0-127			1.33	20
trans-1,4-Dichloro-2-butene	25.0	19.0	20.8	75.9	83.0	55.0-134			8.91	20
2,2-Dichloropropane	25.0	26.5	25.8	106	103	60.0-125			2.66	20
Di-isopropyl ether	25.0	24.2	24.2	96.8	96.6	59.0-133			0.180	20
Ethylbenzene	25.0	25.2	25.4	101	101	77.0-120			0.570	20
Hexachloro-1,3-butadiene	25.0	23.5	25.9	93.9	104	64.0-131			9.98	20
2-Hexanone	125	134	136	107	109	58.0-147			1.50	20

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

(LCS) R3251721-1 09/19/17 09:04 • (LCSD) R3251721-2 09/19/17 09:26

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 %
n-Hexane	25.0	25.6	25.7	103	103	56.0-124			0.210	20
Iodomethane	125	128	128	102	103	57.0-140			0.110	20
Isopropylbenzene	25.0	23.7	24.2	94.8	96.7	75.0-120			2.05	20
p-Isopropyltoluene	25.0	25.1	25.8	100	103	74.0-126			2.82	20
2-Butanone (MEK)	125	116	120	92.7	95.9	37.0-158			3.32	20
4-Methyl-2-pentanone (MIBK)	125	125	124	99.9	99.6	59.0-143			0.380	20
Methyl tert-butyl ether	25.0	24.8	24.9	99.0	99.6	64.0-123			0.610	20
Naphthalene	25.0	23.3	24.6	93.2	98.3	62.0-128			5.30	20
n-Propylbenzene	25.0	23.4	24.2	93.8	96.9	79.0-120			3.25	20
Chloroform	25.0	24.8	24.7	99.0	98.8	72.0-121			0.300	20
Styrene	25.0	23.8	24.5	95.1	97.9	78.0-124			3.00	20
1,1,1,2-Tetrachloroethane	25.0	25.9	26.0	103	104	75.0-122			0.570	20
1,1,2,2-Tetrachloroethane	25.0	23.3	23.9	93.4	95.8	71.0-122			2.54	20
1,1,2-Trichlorotrifluoroethane	25.0	26.3	26.7	105	107	61.0-136			1.25	20
1,2,3-Trichlorobenzene	25.0	23.2	25.0	92.9	99.9	61.0-133			7.27	20
1,2,4-Trichlorobenzene	25.0	23.5	24.7	93.8	98.7	69.0-129			5.03	20
1,1,1-Trichloroethane	25.0	25.4	25.6	101	102	68.0-122			0.780	20
1,1,2-Trichloroethane	25.0	24.7	25.2	98.8	101	78.0-120			2.07	20
Trichlorofluoromethane	25.0	27.5	27.6	110	110	56.0-137			0.550	20
1,2,3-Trichloropropane	25.0	23.5	24.2	94.1	96.9	72.0-124			2.97	20
1,2,4-Trimethylbenzene	25.0	23.1	23.7	92.3	94.9	75.0-120			2.77	20
1,2,3-Trimethylbenzene	25.0	24.2	24.5	96.9	98.0	75.0-120			1.10	20
1,2-Dichloroethane	25.0	25.0	25.1	99.8	100	67.0-126			0.480	20
1,3,5-Trimethylbenzene	25.0	23.6	24.2	94.3	96.9	75.0-120			2.72	20
cis-1,2-Dichloroethene	25.0	24.6	24.6	98.6	98.2	73.0-120			0.340	20
Vinyl acetate	125	135	135	108	108	46.0-160			0.310	20
Xylenes, Total	75.0	75.8	76.3	101	102	77.0-120			0.660	20
Methylene Chloride	25.0	24.2	24.1	96.9	96.5	66.0-121			0.400	20
Tetrachloroethene	25.0	26.3	26.1	105	104	70.0-127			0.780	20
Toluene	25.0	24.8	25.0	99.0	100	77.0-120			1.03	20
Trichloroethene	25.0	25.6	25.8	102	103	78.0-120			0.600	20
Vinyl chloride	25.0	28.1	28.2	112	113	64.0-133			0.360	20
(S) Toluene-d8				*103*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*100*	*99.8*	*76.0-123*				
(S) 4-Bromofluorobenzene				*93.6*	*95.7*	*80.0-120*				

L936800-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L936800-03 09/19/17 18:27 • (MS) R3251721-4 09/19/17 18:48 • (MSD) R3251721-5 09/19/17 19:10

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 %
Acetone	125	ND	57.7	64.0	46.1	51.2	1	10.0-139			10.4	25
Acrylonitrile	125	ND	60.0	69.8	48.0	55.8	1	46.0-159			15.1	23
Benzene	25.0	ND	13.2	15.0	52.6	60.1	1	34.0-147			13.2	20
Bromobenzene	25.0	ND	12.1	14.2	47.8	56.1	1	51.0-137	J6		15.9	20
Bromodichloromethane	25.0	ND	12.6	14.3	50.3	57.1	1	52.0-135	J6		12.6	20
Bromochloromethane	25.0	ND	13.3	15.2	53.3	60.8	1	53.0-138			13.1	20
Bromoform	25.0	ND	12.6	14.7	50.6	59.0	1	50.0-146			15.3	20
Bromomethane	25.0	ND	14.0	16.3	56.0	65.1	1	10.0-160			15.1	23
n-Butylbenzene	25.0	ND	12.8	15.0	51.1	59.9	1	50.0-144			15.7	20
sec-Butylbenzene	25.0	ND	13.0	15.1	52.0	60.3	1	48.0-143			14.8	20
tert-Butylbenzene	25.0	ND	12.8	14.8	51.3	59.4	1	50.0-142			14.6	20
Carbon disulfide	25.0	ND	13.6	15.7	54.2	62.7	1	10.0-147			14.4	20
Carbon tetrachloride	25.0	ND	13.5	15.0	54.0	59.8	1	41.0-138			10.2	20
Chlorobenzene	25.0	ND	13.5	15.7	54.0	62.7	1	52.0-141			14.9	20
Chlorodibromomethane	25.0	ND	13.9	15.7	55.6	62.8	1	54.0-142			12.2	20
Chloroethane	25.0	ND	14.7	17.0	58.9	68.1	1	23.0-160			14.5	20
Chloromethane	25.0	ND	13.9	16.1	55.5	64.6	1	14.0-151			15.1	20
2-Chlorotoluene	25.0	ND	12.4	14.4	49.4	57.4	1	48.0-142			14.9	20
4-Chlorotoluene	25.0	ND	12.4	14.4	49.7	57.5	1	52.0-139	J6		14.5	20
1,2-Dibromo-3-Chloropropane	25.0	ND	12.5	14.4	49.9	57.6	1	49.0-144			14.3	24
1,2-Dibromoethane	25.0	ND	13.1	15.3	52.3	61.2	1	54.0-140	J6		15.6	20
Dibromomethane	25.0	ND	13.0	14.8	51.9	59.3	1	53.0-138	J6		13.3	20
1,2-Dichlorobenzene	25.0	ND	13.2	15.3	52.6	61.0	1	56.0-139	J6		14.8	20
1,3-Dichlorobenzene	25.0	ND	13.0	14.9	51.9	59.4	1	50.0-141			13.5	20
1,4-Dichlorobenzene	25.0	ND	12.9	15.0	51.8	60.0	1	53.0-136	J6		14.6	20
Dichlorodifluoromethane	25.0	ND	15.9	18.2	63.8	72.9	1	20.0-160			13.3	21
1,1-Dichloroethane	25.0	ND	13.6	15.4	54.3	61.4	1	47.0-143			12.4	20
1,1-Dichloroethene	25.0	ND	14.3	16.3	57.0	65.2	1	31.0-148			13.4	20
trans-1,2-Dichloroethene	25.0	ND	14.2	16.4	54.7	63.5	1	36.0-141			14.5	20
1,2-Dichloropropane	25.0	ND	13.0	14.6	52.0	58.4	1	51.0-141			11.7	20
1,1-Dichloropropene	25.0	ND	13.8	15.7	55.0	62.9	1	42.0-146			13.4	20
1,3-Dichloropropane	25.0	ND	13.3	15.2	53.1	60.9	1	58.0-139	J6		13.8	20
cis-1,3-Dichloropropene	25.0	ND	13.1	15.2	52.5	61.0	1	53.0-139	J6		15.0	20
trans-1,3-Dichloropropene	25.0	ND	12.7	14.9	50.7	59.6	1	51.0-143	J6		16.2	20
trans-1,4-Dichloro-2-butene	25.0	ND	7.35	9.31	29.4	37.2	1	40.0-150	J6	J3 J6	23.5	21
2,2-Dichloropropane	25.0	ND	13.4	15.4	53.7	61.6	1	43.0-139			13.7	20
Di-isopropyl ether	25.0	ND	12.1	13.9	48.6	55.5	1	44.0-144			13.2	20
Ethylbenzene	25.0	ND	13.3	15.3	53.2	61.3	1	42.0-147			14.2	20
Hexachloro-1,3-butadiene	25.0	ND	11.4	14.4	45.8	57.5	1	44.0-146		J3	22.8	21
2-Hexanone	125	ND	61.2	70.7	48.9	56.6	1	36.0-145			14.5	23

L936800-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L936800-03 09/19/17 18:27 • (MS) R3251721-4 09/19/17 18:48 • (MSD) R3251721-5 09/19/17 19:10

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 %
n-Hexane	25.0	ND	13.0	15.0	52.0	59.9	1	13.0-145			13.9	20
Iodomethane	125	ND	69.4	80.4	55.5	64.3	1	30.0-151			14.7	20
Isopropylbenzene	25.0	ND	12.7	14.7	50.8	59.0	1	48.0-141			14.8	20
p-Isopropyltoluene	25.0	ND	12.9	15.3	51.8	61.2	1	49.0-146			16.7	20
2-Butanone (MEK)	125	ND	53.7	62.1	43.0	49.7	1	12.0-149			14.5	24
4-Methyl-2-pentanone (MIBK)	125	ND	61.6	70.7	49.3	56.5	1	44.0-160			13.7	22
Methyl tert-butyl ether	25.0	ND	12.5	14.3	50.1	57.2	1	42.0-142			13.2	20
Naphthalene	25.0	ND	11.7	14.2	46.9	56.9	1	42.0-146			19.3	24
n-Propylbenzene	25.0	ND	12.5	14.5	50.1	58.1	1	47.0-144			14.8	20
Styrene	25.0	ND	12.7	14.8	50.7	59.2	1	47.0-147			15.4	20
1,1,1,2-Tetrachloroethane	25.0	ND	13.4	15.7	53.8	62.7	1	52.0-140			15.3	20
1,1,2,2-Tetrachloroethane	25.0	ND	11.9	13.8	47.8	55.3	1	46.0-149			14.6	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	14.9	16.6	59.5	66.5	1	40.0-151			11.2	21
1,2,3-Trichlorobenzene	25.0	ND	11.9	14.5	47.5	57.9	1	45.0-145			19.9	22
1,2,4-Trichlorobenzene	25.0	ND	11.9	14.3	47.5	57.3	1	49.0-147	J6		18.7	21
1,1,1-Trichloroethane	25.0	ND	13.7	16.1	54.8	64.4	1	46.0-140			16.2	20
1,1,2-Trichloroethane	25.0	ND	13.0	15.2	52.1	60.6	1	54.0-139	J6		15.1	20
Chloroform	25.0	ND	13.3	15.2	53.2	60.7	1	50.0-139			13.3	20
Trichlorofluoromethane	25.0	ND	14.9	17.2	59.7	69.0	1	32.0-152			14.4	20
1,2,3-Trichloropropane	25.0	ND	12.0	14.0	48.0	56.1	1	54.0-143	J6		15.6	21
1,2,4-Trimethylbenzene	25.0	ND	12.2	14.2	49.0	56.7	1	41.0-146			14.7	20
1,2,3-Trimethylbenzene	25.0	ND	12.8	14.9	51.2	59.4	1	48.0-138			14.9	20
1,3,5-Trimethylbenzene	25.0	ND	12.2	14.4	48.9	57.7	1	44.0-143			16.5	20
Vinyl acetate	125	ND	59.7	66.4	47.8	53.1	1	30.0-160			10.6	20
Xylenes, Total	75.0	ND	39.4	45.9	52.5	61.2	1	41.0-148			15.2	20
1,2-Dichloroethane	25.0	ND	13.0	15.1	51.9	60.3	1	47.0-141			15.1	20
cis-1,2-Dichloroethene	25.0	99.5	99.3	114	0.000	56.6	1	43.0-142	J6		13.5	20
Methylene Chloride	25.0	ND	13.1	14.9	52.5	59.8	1	42.0-135			13.0	20
Tetrachloroethene	25.0	ND	13.9	16.0	55.7	64.0	1	38.0-147			13.9	20
Toluene	25.0	ND	13.3	15.3	53.2	61.1	1	42.0-141			13.8	20
Trichloroethene	25.0	109	129	129	77.7	80.4	1	32.0-156			0.510	20
Vinyl chloride	25.0	ND	15.7	18.1	62.9	72.5	1	24.0-153			14.1	20
(S) Toluene-d8					*102*	*104*		*80.0-120*				
(S) Dibromofluoromethane					*98.7*	*100*		*76.0-123*				
(S) 4-Bromofluorobenzene					*94.4*	*96.7*		*80.0-120*				

Method Blank (MB)

(MB) R3251840-2 09/19/17 18:08

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) R3251840-2 09/19/17 18:08

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	*98.7*			*80.0-120*
(S) Dibromofluoromethane	*110*			*74.0-131*
(S) 4-Bromofluorobenzene	*102*			*64.0-132*

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

(LCS) R3251840-1 09/19/17 17:11 • (LCSD) R3251840-3 09/19/17 18:43

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	0.128	0.108	103	86.6	11.0-160			17.1	23
Acrylonitrile	0.125	0.127	0.126	102	101	61.0-143			0.730	20
Benzene	0.0250	0.0277	0.0283	111	113	71.0-124			2.19	20
Bromobenzene	0.0250	0.0262	0.0264	105	106	78.0-120			0.720	20
Bromodichloromethane	0.0250	0.0246	0.0243	98.4	97.2	75.0-120			1.23	20
Bromochloromethane	0.0250	0.0268	0.0272	107	109	80.0-121			1.62	20
Bromoform	0.0250	0.0219	0.0209	87.6	83.8	65.0-133			4.46	20
Bromomethane	0.0250	0.0282	0.0269	113	107	26.0-160			4.91	20
n-Butylbenzene	0.0250	0.0291	0.0270	116	108	73.0-126			7.47	20
sec-Butylbenzene	0.0250	0.0278	0.0264	111	106	75.0-121			5.22	20
tert-Butylbenzene	0.0250	0.0275	0.0256	110	102	74.0-122			6.94	20
Carbon disulfide	0.0250	0.0259	0.0246	103	98.5	53.0-130			4.92	20
Carbon tetrachloride	0.0250	0.0281	0.0271	112	108	66.0-123			3.73	20
Chlorobenzene	0.0250	0.0246	0.0242	98.4	96.9	79.0-121			1.49	20
Chlorodibromomethane	0.0250	0.0229	0.0221	91.7	88.4	74.0-128			3.68	20
Chloroethane	0.0250	0.0283	0.0276	113	110	51.0-147			2.76	20
Chloroform	0.0250	0.0288	0.0285	115	114	73.0-123			1.28	20
Chloromethane	0.0250	0.0228	0.0230	91.4	91.9	51.0-138			0.580	20
2-Chlorotoluene	0.0250	0.0279	0.0275	112	110	72.0-124			1.42	20
4-Chlorotoluene	0.0250	0.0265	0.0265	106	106	78.0-120			0.140	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0233	0.0217	93.1	86.7	65.0-126			7.15	20
1,2-Dibromoethane	0.0250	0.0241	0.0238	96.3	95.3	78.0-122			1.06	20
Dibromomethane	0.0250	0.0248	0.0246	99.0	98.5	79.0-120			0.570	20
1,2-Dichlorobenzene	0.0250	0.0275	0.0264	110	106	80.0-120			4.00	20
1,3-Dichlorobenzene	0.0250	0.0282	0.0266	113	106	72.0-123			5.91	20
1,4-Dichlorobenzene	0.0250	0.0260	0.0250	104	100	77.0-120			3.76	20
trans-1,4-Dichloro-2-butene	0.0250	0.0246	0.0232	98.4	92.8	68.0-126			5.88	20
Dichlorodifluoromethane	0.0250	0.0259	0.0218	104	87.4	49.0-155			16.9	20
1,1-Dichloroethane	0.0250	0.0282	0.0279	113	112	70.0-128			1.00	20
1,2-Dichloroethane	0.0250	0.0277	0.0287	111	115	69.0-128			3.65	20
1,1-Dichloroethene	0.0250	0.0288	0.0273	115	109	63.0-131			5.44	20
cis-1,2-Dichloroethene	0.0250	0.0266	0.0264	106	105	74.0-123			0.990	20
trans-1,2-Dichloroethene	0.0250	0.0274	0.0267	110	107	72.0-122			2.53	20
1,2-Dichloropropane	0.0250	0.0257	0.0267	103	107	75.0-126			3.85	20
1,1-Dichloropropene	0.0250	0.0286	0.0271	115	108	72.0-130			5.65	20
1,3-Dichloropropane	0.0250	0.0238	0.0238	95.1	95.1	80.0-121			0.0400	20
cis-1,3-Dichloropropene	0.0250	0.0263	0.0260	105	104	80.0-125			1.16	20
trans-1,3-Dichloropropene	0.0250	0.0245	0.0245	97.9	97.9	75.0-129			0.0300	20
2,2-Dichloropropane	0.0250	0.0263	0.0260	105	104	60.0-129			1.31	20
Di-isopropyl ether	0.0250	0.0263	0.0264	105	106	62.0-133			0.360	20

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

(LCS) R3251840-1 09/19/17 17:11 • (LCSD) R3251840-3 09/19/17 18:43

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	0.0239	0.0233	95.4	93.1	77.0-120			2.46	20
Hexachloro-1,3-butadiene	0.0250	0.0247	0.0222	98.9	88.6	68.0-128			11.0	20
2-Hexanone	0.125	0.135	0.125	108	99.6	61.0-143			7.85	20
n-Hexane	0.0250	0.0228	0.0220	91.4	87.9	57.0-125			3.88	20
Iodomethane	0.125	0.137	0.135	110	108	67.0-132			1.81	20
Isopropylbenzene	0.0250	0.0275	0.0260	110	104	75.0-120			5.62	20
p-Isopropyltoluene	0.0250	0.0285	0.0268	114	107	74.0-125			6.27	20
2-Butanone (MEK)	0.125	0.138	0.134	110	107	37.0-159			2.79	20
Methylene Chloride	0.0250	0.0279	0.0276	112	111	67.0-123			0.990	20
4-Methyl-2-pentanone (MIBK)	0.125	0.119	0.116	95.4	92.6	60.0-144			2.90	20
Methyl tert-butyl ether	0.0250	0.0275	0.0277	110	111	66.0-125			0.750	20
Naphthalene	0.0250	0.0265	0.0254	106	102	64.0-125			4.11	20
n-Propylbenzene	0.0250	0.0284	0.0268	114	107	78.0-120			5.86	20
Styrene	0.0250	0.0266	0.0263	106	105	78.0-124			0.910	20
1,1,1,2-Tetrachloroethane	0.0250	0.0239	0.0232	95.4	92.7	74.0-124			2.84	20
1,1,2,2-Tetrachloroethane	0.0250	0.0278	0.0267	111	107	73.0-120			4.12	20
Tetrachloroethene	0.0250	0.0236	0.0215	94.2	85.9	70.0-127			9.28	20
Toluene	0.0250	0.0249	0.0236	99.5	94.4	77.0-120			5.24	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0292	0.0268	117	107	64.0-135			8.64	20
1,2,3-Trichlorobenzene	0.0250	0.0272	0.0246	109	98.3	68.0-126			10.0	20
1,2,4-Trichlorobenzene	0.0250	0.0265	0.0238	106	95.3	70.0-127			10.8	20
1,1,1-Trichloroethane	0.0250	0.0275	0.0261	110	104	69.0-125			5.44	20
1,1,2-Trichloroethane	0.0250	0.0235	0.0231	94.0	92.2	78.0-120			1.93	20
Trichloroethene	0.0250	0.0250	0.0240	99.8	96.0	79.0-120			3.90	20
Trichlorofluoromethane	0.0250	0.0291	0.0275	116	110	59.0-136			5.52	20
1,2,3-Trichloropropane	0.0250	0.0277	0.0274	111	110	73.0-124			1.17	20
1,2,3-Trimethylbenzene	0.0250	0.0257	0.0251	103	101	76.0-120			2.32	20
1,2,4-Trimethylbenzene	0.0250	0.0281	0.0265	112	106	75.0-120			5.88	20
1,3,5-Trimethylbenzene	0.0250	0.0280	0.0266	112	106	75.0-120			5.26	20
Vinyl acetate	0.125	0.153	0.156	122	124	58.0-156			1.95	20
Vinyl chloride	0.0250	0.0279	0.0264	111	106	63.0-134			5.23	20
Xylenes, Total	0.0750	0.0730	0.0714	97.3	95.2	77.0-120			2.22	20
(S) Toluene-d8				*97.8*	*95.5*	*80.0-120*				
(S) Dibromofluoromethane				*110*	*108*	*74.0-131*				
(S) 4-Bromofluorobenzene				*104*	*100*	*64.0-132*				

L937086-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L937086-01 09/19/17 20:39 • (MS) R3251840-4 09/20/17 01:52 • (MSD) R3251840-5 09/20/17 02:09

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	0.204	ND	0.0931	0.0988	19.9	22.7	1	10.0-160			5.91	36
Acrylonitrile	0.204	ND	0.139	0.155	68.2	76.0	1	14.0-160			10.9	33
Benzene	0.0409	ND	0.0211	0.0269	51.6	65.9	1	13.0-146			24.4	27
Bromobenzene	0.0409	ND	0.0140	0.0157	34.3	38.4	1	10.0-149			11.5	33
Bromodichloromethane	0.0409	ND	0.0169	0.0225	41.3	55.0	1	15.0-142		J3	28.3	28
Bromochloromethane	0.0409	ND	0.0224	0.0274	54.7	67.0	1	24.0-146			20.3	27
Bromoform	0.0409	ND	0.0131	0.0160	32.1	39.0	1	10.0-147			19.5	31
Bromomethane	0.0409	ND	0.0250	0.0292	61.1	71.5	1	10.0-160			15.7	32
n-Butylbenzene	0.0409	ND	0.0171	0.0162	41.9	39.5	1	10.0-154			5.83	37
sec-Butylbenzene	0.0409	ND	0.0193	0.0184	47.2	45.1	1	10.0-151			4.57	36
tert-Butylbenzene	0.0409	ND	0.0193	0.0199	47.3	48.6	1	10.0-152			2.82	35
Carbon disulfide	0.0409	ND	0.0199	0.0255	45.0	58.5	1	10.0-141			24.4	30
Carbon tetrachloride	0.0409	ND	0.0217	0.0272	53.0	66.4	1	13.0-140			22.6	30
Chlorobenzene	0.0409	ND	0.0116	0.0148	28.3	36.1	1	10.0-149			24.3	31
Chlorodibromomethane	0.0409	ND	0.0122	0.0163	29.7	39.9	1	12.0-147		J3	29.2	29
Chloroethane	0.0409	ND	0.0280	0.0333	68.5	81.5	1	10.0-159			17.3	33
Chloroform	0.0409	ND	0.0233	0.0290	57.0	70.9	1	18.0-148			21.7	28
Chloromethane	0.0409	ND	0.0258	0.0281	63.2	68.7	1	10.0-146			8.34	29
2-Chlorotoluene	0.0409	ND	0.0173	0.0184	42.4	44.9	1	10.0-151			5.63	35
4-Chlorotoluene	0.0409	ND	0.0144	0.0157	35.2	38.3	1	10.0-150			8.30	35
1,2-Dibromo-3-Chloropropane	0.0409	ND	0.00958	0.0132	23.4	32.4	1	10.0-149			32.1	34
1,2-Dibromoethane	0.0409	ND	0.0139	0.0186	34.0	45.4	1	14.0-145		J3	28.9	28
Dibromomethane	0.0409	ND	0.0195	0.0242	47.6	59.1	1	18.0-144			21.5	27
1,2-Dichlorobenzene	0.0409	ND	0.0106	0.0120	25.9	29.3	1	10.0-153			12.2	34
1,3-Dichlorobenzene	0.0409	ND	0.0118	0.0130	28.8	31.8	1	10.0-150			10.0	35
1,4-Dichlorobenzene	0.0409	ND	0.0107	0.0112	26.3	27.4	1	10.0-148			4.08	34
trans-1,4-Dichloro-2-butene	0.0409	ND	0.0117	0.0145	28.6	35.6	1	10.0-160			21.5	40
Dichlorodifluoromethane	0.0409	ND	0.0279	0.0335	68.2	82.0	1	10.0-160			18.5	30
1,1-Dichloroethane	0.0409	ND	0.0255	0.0301	60.8	72.0	1	19.0-148			16.5	28
1,2-Dichloroethane	0.0409	ND	0.0234	0.0290	57.3	70.9	1	17.0-147			21.2	27
1,1-Dichloroethene	0.0409	ND	0.0245	0.0297	59.9	72.6	1	10.0-150			19.2	31
cis-1,2-Dichloroethene	0.0409	ND	0.0212	0.0266	50.7	63.8	1	16.0-145			22.4	28
trans-1,2-Dichloroethene	0.0409	ND	0.0209	0.0266	51.2	65.0	1	11.0-142			23.8	29
1,2-Dichloropropane	0.0409	ND	0.0195	0.0268	47.6	65.4	1	17.0-148		J3	31.5	28
1,1-Dichloropropene	0.0409	ND	0.0199	0.0253	48.7	61.9	1	10.0-150			23.9	30
1,3-Dichloropropane	0.0409	ND	0.0158	0.0196	38.7	47.9	1	16.0-148			21.2	27
cis-1,3-Dichloropropene	0.0409	ND	0.0148	0.0191	36.3	46.8	1	13.0-150			25.2	28
trans-1,3-Dichloropropene	0.0409	ND	0.0127	0.0164	31.2	40.0	1	10.0-152			24.8	29
2,2-Dichloropropane	0.0409	ND	0.0227	0.0287	55.5	70.2	1	16.0-143			23.4	30

L937086-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L937086-01 09/19/17 20:39 • (MS) R3251840-4 09/20/17 01:52 • (MSD) R3251840-5 09/20/17 02:09

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	0.0409	ND	0.0224	0.0283	54.7	69.1	1	16.0-149			23.3	28
Ethylbenzene	0.0409	ND	0.0132	0.0161	32.2	39.3	1	10.0-147			19.8	31
Hexachloro-1,3-butadiene	0.0409	ND	0.0146	0.0137	35.7	33.6	1	10.0-154			6.29	40
2-Hexanone	0.204	ND	0.0776	0.105	38.0	51.3	1	12.0-158			29.9	30
n-Hexane	0.0409	ND	0.0163	0.0203	38.1	47.9	1	10.0-140			21.7	34
Iodomethane	0.204	ND	0.117	0.142	57.4	69.5	1	10.0-157			19.0	34
Isopropylbenzene	0.0409	ND	0.0197	0.0206	48.1	50.4	1	10.0-147			4.69	33
p-Isopropyltoluene	0.0409	ND	0.0188	0.0180	45.8	44.0	1	10.0-156			4.13	37
2-Butanone (MEK)	0.204	ND	0.121	0.136	53.8	61.1	1	10.0-160			11.6	33
Methylene Chloride	0.0409	ND	0.0251	0.0291	61.4	71.2	1	16.0-139			14.9	29
4-Methyl-2-pentanone (MIBK)	0.204	ND	0.115	0.144	56.2	70.3	1	12.0-160			22.3	32
Methyl tert-butyl ether	0.0409	ND	ND	0.0328	0.000	80.3	1	21.0-145	J6	J3	200	29
Naphthalene	0.0409	ND	0.00379	0.00512	9.26	12.5	1	10.0-153	J6		30.0	36
n-Propylbenzene	0.0409	ND	0.0193	0.0193	47.1	47.2	1	10.0-151			0.200	34
Styrene	0.0409	ND	0.00740	0.00600	18.1	14.7	1	10.0-155			20.9	34
1,1,1,2-Tetrachloroethane	0.0409	ND	0.0129	0.0172	31.4	42.0	1	10.0-147			28.9	30
1,1,2,2-Tetrachloroethane	0.0409	ND	0.0190	0.0222	46.5	54.2	1	10.0-155			15.4	31
Tetrachloroethene	0.0409	ND	0.0136	0.0168	33.2	41.0	1	10.0-144			20.9	32
Toluene	0.0409	ND	0.0142	0.0182	34.8	44.5	1	10.0-144			24.7	28
1,1,2-Trichlorotrifluoroethane	0.0409	ND	0.0241	0.0293	58.8	71.7	1	10.0-153			19.8	33
1,2,3-Trichlorobenzene	0.0409	ND	0.00548	0.00636	13.4	15.5	1	10.0-153			14.9	40
1,2,4-Trichlorobenzene	0.0409	ND	0.00536	0.00617	13.1	15.1	1	10.0-156			14.1	40
1,1,1-Trichloroethane	0.0409	ND	0.0216	0.0279	52.8	68.2	1	18.0-145			25.4	29
1,1,2-Trichloroethane	0.0409	ND	0.0147	0.0199	36.0	48.8	1	12.0-151		J3	30.0	28
Trichloroethene	0.0409	ND	0.0174	0.0217	42.6	53.2	1	11.0-148			22.0	29
Trichlorofluoromethane	0.0409	ND	0.0263	0.0323	64.4	79.0	1	10.0-157			20.3	34
1,2,3-Trichloropropane	0.0409	ND	0.0199	0.0241	48.6	59.0	1	10.0-154			19.2	32
1,2,3-Trimethylbenzene	0.0409	ND	0.0144	0.0153	35.2	37.5	1	10.0-150			6.41	33
1,2,4-Trimethylbenzene	0.0409	ND	0.0159	0.0165	38.9	40.4	1	10.0-151			3.72	34
1,3,5-Trimethylbenzene	0.0409	ND	0.0172	0.0177	42.1	43.3	1	10.0-150			2.83	33
Vinyl acetate	0.204	ND	0.0713	0.0887	34.9	43.4	1	10.0-160			21.8	40
Vinyl chloride	0.0409	ND	0.0272	0.0322	66.5	78.7	1	10.0-150			16.8	29
Xylenes, Total	0.123	ND	0.0373	0.0460	30.4	37.5	1	10.0-150			20.9	31
(S) Toluene-d8					*88.4*	*89.7*		*80.0-120*				
(S) Dibromofluoromethane					*118*	*119*		*74.0-131*				
(S) 4-Bromofluorobenzene					*116*	*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.
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.
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.

State Accreditations

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

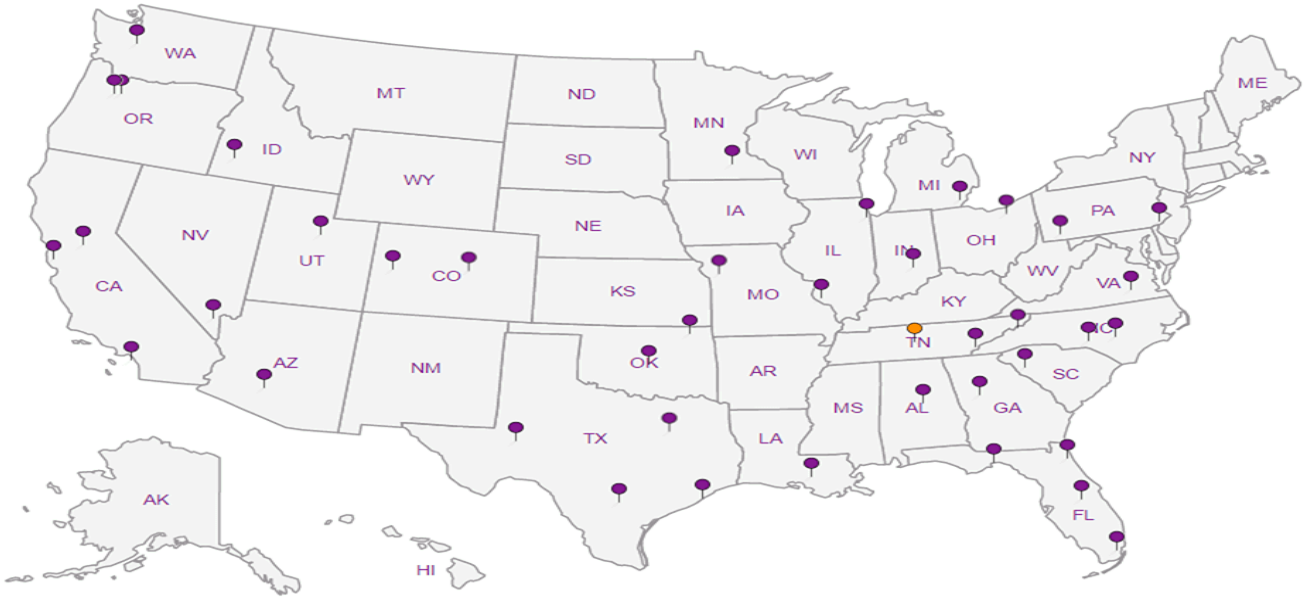
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: Seattle, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres /2x2ozClr-NoPres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-139-20	GRAB	SS	20	9/13/17	1510	5			X	X			-01
MW-139-31			31		~~1556~~ 1615	5			X	X			02
MW-139-41			41		1640	5			X	X			03
MW-139-51			51		1700	5			X	X			04
MW-139-60			60		1705	5			X	X			05
MW-139-70			70		1825	5			X	X			06
MW-139-80			80	↓	1840	5			X	X			07
MW-138-115		↓	115	9/14/17	1055	5			X	X			08
MW-138-115-W	↓	GW	115	↓	1200	3					X		09
TRIP BLANK-091417	NA	NA	NA	11/01/16	NA	1					X		10

Analysis / Container / Preservative

Chain of Custody Page 1 of

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L937125
E192

Acctnum: PESENVSWA
Template: T126586
Prelogin: P613274
TSR:
PB:
Shipped Via:

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

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

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	9/14/17	1630	
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: 2.1 uncorr °C 50
Bottles Received: 42

Date: 9-15-17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

MEMORANDUM

TO: Project File **DATE:** October 17, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 13-14, 2017 – Soil and Groundwater Samples

LAB: ESC Lab ID L937125

Eight (8) soil samples, one (1) groundwater sample, and one trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 13-14, 2017. 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.

The results are reported in ESC Sample Delivery Group (SDG) L937125. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L937125 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 13-14, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.1 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved waters from the date of sample collection. All holding time criteria were met.

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acrylonitrile, chloromethane, 1,2-dibromoethane, di-isopropyl ether, and 4-methyl-2-pentanone (MIBK) associated with analytical batch WG1022131 (analyzed on September 24, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, bromoform, trans-1,4-dichloro-2-butene, and hexachloro-1,3-butadiene associated with analytical batch WG1022131 (analyzed on September 19, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

- Batch WG1021889 (waters): Acetone and hexachloro-1,3-butadiene were detected above the method detection limit (MDL) and below the RDL in the method blank. **Acetone was detected below the RDL in the associated sample and this result is qualified as not detected (U) due to blank contamination.** No action was taken for hexachloro-1,3-butadiene as it was not detected in the associated sample.

Total Solids by SM 2540 G 2011:
Laboratory method blank was 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:
A trip blank was collected and submitted for VOC analysis. The target analytes (VOCs) were not detected in the trip blank at or above the reported detection limits (RDLs) with the following exception:

- Acetone was detected below the RDL and was also detected in the method blank. Associated sample acetone result is qualified as not detected (U) due to blank contamination.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate samples were not collected.

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 a non-client sample, and on client sample MW-139-41. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

USEPA Method 8260C:
LCS and LCS/LCSDs were analyzed by USEPA Method 8260C method. The LCS and LCS/LCSDs %Rs and RPDs for the all target compounds are within the laboratory control criteria for soils and 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 sample MW-141-85 and a non-client sample within the analytical batches. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils and waters with the following exceptions:

- MS/MSD (Batch WG1022131 for soils) RPDs and % recoveries for multiple compounds exceed laboratory RPD criteria and are qualified (J3 and/or J6) by the laboratory. No action is taken since the spike was performed on a non-client sample within the analytical batch and LCS/LCSD results are acceptable. Refer to LCS data for more information.
- MS/MSD (Batch WG1021889 for waters) RPDs and % recoveries for multiple compounds exceed laboratory criteria due to matrix interference and are qualified (J3 and/or J6) by the laboratory. No action is taken since the spike was performed on a non-client sample within the analytical batch and LCS/LCSD results are acceptable. Refer to LCS data for more information.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- *USEPA Method 8260C:* ESC (SDG L937125-01 and 07) footnotes for soil samples MW-139-20 and MW-139-80 indicated "Elevated RL Bisulfate vials overweight, reported from ME0H vial." In both cases the elevated reporting limit (RL) applies to two compounds (trans-1,4-dichloro-2-butene and tetrachloroethene). ESC was contacted to clarify the footnote. Per ESCs response one of the vials for each sample had greater than 7.5 grams of soil and was therefore unusable. The two compounds were not reportable on the undiluted initial run due to failing CCV and reporting level checks. Both samples were reanalyzed at a higher dilution for these two compounds using the methanol preserved vials. No action was taken other than to note this.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	09/20/2017 14:56	WG1022370

Volatile Organic Compounds (GC/MS) 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	09/24/2017 17:49	WG1022131	
Acrylonitrile	U UJ	J0	0.00207	0.0116	1	09/24/2017 17:49	WG1022131	
Benzene	U		0.000312	0.00116	1	09/24/2017 17:49	WG1022131	
Bromobenzene	U		0.000329	0.00116	1	09/24/2017 17:49	WG1022131	
Bromodichloromethane	U		0.000294	0.00116	1	09/24/2017 17:49	WG1022131	
Bromochloromethane	U		0.000451	0.00578	1	09/24/2017 17:49	WG1022131	
Bromoform	U		0.000490	0.00116	1	09/24/2017 17:49	WG1022131	
Bromomethane	U		0.00155	0.00578	1	09/24/2017 17:49	WG1022131	
n-Butylbenzene	U		0.000298	0.00116	1	09/24/2017 17:49	WG1022131	
sec-Butylbenzene	U		0.000233	0.00116	1	09/24/2017 17:49	WG1022131	
tert-Butylbenzene	U		0.000238	0.00116	1	09/24/2017 17:49	WG1022131	
Carbon disulfide	0.000485 J	J	0.000256	0.00116	1	09/24/2017 17:49	WG1022131	
Carbon tetrachloride	U		0.000379	0.00116	1	09/24/2017 17:49	WG1022131	
Chlorobenzene	U		0.000245	0.00116	1	09/24/2017 17:49	WG1022131	
Chlorodibromomethane	U		0.000431	0.00116	1	09/24/2017 17:49	WG1022131	
Chloroethane	U		0.00109	0.00578	1	09/24/2017 17:49	WG1022131	
Chloroform	U		0.000265	0.00578	1	09/24/2017 17:49	WG1022131	
Chloromethane	U UJ	J0	0.000434	0.00289	1	09/24/2017 17:49	WG1022131	
2-Chlorotoluene	U		0.000348	0.00116	1	09/24/2017 17:49	WG1022131	
4-Chlorotoluene	U		0.000278	0.00116	1	09/24/2017 17:49	WG1022131	
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	09/24/2017 17:49	WG1022131	
1,2-Dibromoethane	U UJ	J0	0.000397	0.00116	1	09/24/2017 17:49	WG1022131	
Dibromomethane	U		0.000442	0.00116	1	09/24/2017 17:49	WG1022131	
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/24/2017 17:49	WG1022131	
1,3-Dichlorobenzene	U		0.000276	0.00116	1	09/24/2017 17:49	WG1022131	
1,4-Dichlorobenzene	U		0.000261	0.00116	1	09/24/2017 17:49	WG1022131	
Dichlorodifluoromethane	U		0.000825	0.00578	1	09/24/2017 17:49	WG1022131	
1,1-Dichloroethane	U		0.000230	0.00116	1	09/24/2017 17:49	WG1022131	
1,2-Dichloroethane	U		0.000307	0.00116	1	09/24/2017 17:49	WG1022131	
1,1-Dichloroethene	U		0.000351	0.00116	1	09/24/2017 17:49	WG1022131	
cis-1,2-Dichloroethene	0.000500 J	J	0.000272	0.00116	1	09/24/2017 17:49	WG1022131	
trans-1,2-Dichloroethene	U		0.000305	0.00116	1	09/24/2017 17:49	WG1022131	
1,2-Dichloropropane	U		0.000414	0.00116	1	09/24/2017 17:49	WG1022131	
1,1-Dichloropropene	U		0.000367	0.00116	1	09/24/2017 17:49	WG1022131	
1,3-Dichloropropane	U		0.000239	0.00116	1	09/24/2017 17:49	WG1022131	
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	09/24/2017 17:49	WG1022131	
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/24/2017 17:49	WG1022131	
trans-1,4-Dichloro-2-butene	U		0.0276	0.0889	30.75	09/25/2017 13:33	WG1022131	
2,2-Dichloropropane	U		0.000323	0.00116	1	09/24/2017 17:49	WG1022131	
Di-isopropyl ether	U UJ	J0	0.000287	0.00116	1	09/24/2017 17:49	WG1022131	
Ethylbenzene	U		0.000344	0.00116	1	09/24/2017 17:49	WG1022131	
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/24/2017 17:49	WG1022131	
2-Hexanone	U		0.00158	0.0116	1	09/24/2017 17:49	WG1022131	
n-Hexane	U		0.000335	0.0116	1	09/24/2017 17:49	WG1022131	
Iodomethane	U		0.00293	0.0116	1	09/24/2017 17:49	WG1022131	
Isopropylbenzene	U		0.000281	0.00116	1	09/24/2017 17:49	WG1022131	
p-Isopropyltoluene	U		0.000236	0.00116	1	09/24/2017 17:49	WG1022131	
2-Butanone (MEK)	U		0.00541	0.0116	1	09/24/2017 17:49	WG1022131	
Methylene Chloride	U		0.00116	0.00578	1	09/24/2017 17:49	WG1022131	
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00217	0.0116	1	09/24/2017 17:49	WG1022131	JC 10/16/17

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

Analyte	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	09/24/2017 17:49	WG1022131
Naphthalene	U		0.00116	0.00578	1	09/24/2017 17:49	WG1022131
n-Propylbenzene	U		0.000238	0.00116	1	09/24/2017 17:49	WG1022131
Styrene	U		0.000271	0.00116	1	09/24/2017 17:49	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	09/24/2017 17:49	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	09/24/2017 17:49	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	09/24/2017 17:49	WG1022131
Tetrachloroethene	0.0138 J	J	0.00982	0.0356	30.75	09/25/2017 13:33	WG1022131
Toluene	U		0.000502	0.00578	1	09/24/2017 17:49	WG1022131
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/24/2017 17:49	WG1022131
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	09/24/2017 17:49	WG1022131
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/24/2017 17:49	WG1022131
1,1,2-Trichloroethane	U		0.000320	0.00116	1	09/24/2017 17:49	WG1022131
Trichloroethene	U		0.000323	0.00116	1	09/24/2017 17:49	WG1022131
Trichlorofluoromethane	U		0.000442	0.00578	1	09/24/2017 17:49	WG1022131
1,2,3-Trichloropropane	U		0.000857	0.00289	1	09/24/2017 17:49	WG1022131
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/24/2017 17:49	WG1022131
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/24/2017 17:49	WG1022131
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/24/2017 17:49	WG1022131
Vinyl acetate	U		0.00276	0.0116	1	09/24/2017 17:49	WG1022131
Vinyl chloride	0.00397		0.000337	0.00116	1	09/24/2017 17:49	WG1022131
Xylenes, Total	U		0.000807	0.00347	1	09/24/2017 17:49	WG1022131
(S) Toluene-d8	*95.1*			*80.0-120*		*09/25/2017 13:33*	WG1022131
(S) Toluene-d8	*99.8*			*80.0-120*		*09/24/2017 17:49*	WG1022131
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/24/2017 17:49*	WG1022131
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/25/2017 13:33*	WG1022131
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/25/2017 13:33*	WG1022131
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/24/2017 17:49*	WG1022131

Sample Narrative:

L937125-01 WG1022131: Elevated RL. Bisulfate vials overweight, reported from MEOH vial.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	09/20/2017 14:56	WG1022370

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0535	1	09/19/2017 23:50	WG1022131
Acrylonitrile	U		0.00192	0.0107	1	09/19/2017 23:50	WG1022131
Benzene	U		0.000289	0.00107	1	09/19/2017 23:50	WG1022131
Bromobenzene	U		0.000304	0.00107	1	09/19/2017 23:50	WG1022131
Bromodichloromethane	U		0.000272	0.00107	1	09/19/2017 23:50	WG1022131
Bromochloromethane	U		0.000417	0.00535	1	09/19/2017 23:50	WG1022131
Bromoform	U UJ	J0	0.000454	0.00107	1	09/19/2017 23:50	WG1022131
Bromomethane	U		0.00143	0.00535	1	09/19/2017 23:50	WG1022131
n-Butylbenzene	U		0.000276	0.00107	1	09/19/2017 23:50	WG1022131
sec-Butylbenzene	U		0.000215	0.00107	1	09/19/2017 23:50	WG1022131
tert-Butylbenzene	U		0.000220	0.00107	1	09/19/2017 23:50	WG1022131
Carbon disulfide	0.000694 J	J	0.000236	0.00107	1	09/19/2017 23:50	WG1022131
Carbon tetrachloride	U		0.000351	0.00107	1	09/19/2017 23:50	WG1022131
Chlorobenzene	U		0.000227	0.00107	1	09/19/2017 23:50	WG1022131
Chlorodibromomethane	U		0.000399	0.00107	1	09/19/2017 23:50	WG1022131
Chloroethane	U		0.00101	0.00535	1	09/19/2017 23:50	WG1022131
Chloroform	U		0.000245	0.00535	1	09/19/2017 23:50	WG1022131
Chloromethane	U		0.000401	0.00267	1	09/19/2017 23:50	WG1022131
2-Chlorotoluene	U		0.000322	0.00107	1	09/19/2017 23:50	WG1022131
4-Chlorotoluene	U		0.000257	0.00107	1	09/19/2017 23:50	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00535	1	09/19/2017 23:50	WG1022131
1,2-Dibromoethane	U		0.000367	0.00107	1	09/19/2017 23:50	WG1022131
Dibromomethane	U		0.000409	0.00107	1	09/19/2017 23:50	WG1022131
1,2-Dichlorobenzene	U		0.000326	0.00107	1	09/19/2017 23:50	WG1022131
1,3-Dichlorobenzene	U		0.000256	0.00107	1	09/19/2017 23:50	WG1022131
1,4-Dichlorobenzene	U		0.000242	0.00107	1	09/19/2017 23:50	WG1022131
Dichlorodifluoromethane	U		0.000763	0.00535	1	09/19/2017 23:50	WG1022131
1,1-Dichloroethane	U		0.000213	0.00107	1	09/19/2017 23:50	WG1022131
1,2-Dichloroethane	U		0.000284	0.00107	1	09/19/2017 23:50	WG1022131
1,1-Dichloroethene	U		0.000324	0.00107	1	09/19/2017 23:50	WG1022131
cis-1,2-Dichloroethene	0.00814		0.000251	0.00107	1	09/19/2017 23:50	WG1022131
trans-1,2-Dichloroethene	U		0.000282	0.00107	1	09/19/2017 23:50	WG1022131
1,2-Dichloropropane	U		0.000383	0.00107	1	09/19/2017 23:50	WG1022131
1,1-Dichloropropene	U		0.000339	0.00107	1	09/19/2017 23:50	WG1022131
1,3-Dichloropropane	U		0.000221	0.00107	1	09/19/2017 23:50	WG1022131
cis-1,3-Dichloropropene	U		0.000280	0.00107	1	09/19/2017 23:50	WG1022131
trans-1,3-Dichloropropene	U		0.000286	0.00107	1	09/19/2017 23:50	WG1022131
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000832	0.00267	1	09/19/2017 23:50	WG1022131
2,2-Dichloropropane	U		0.000298	0.00107	1	09/19/2017 23:50	WG1022131
Di-isopropyl ether	U		0.000265	0.00107	1	09/19/2017 23:50	WG1022131
Ethylbenzene	U		0.000318	0.00107	1	09/19/2017 23:50	WG1022131
Hexachloro-1,3-butadiene	U UJ	J0	0.000366	0.00107	1	09/19/2017 23:50	WG1022131
2-Hexanone	U		0.00147	0.0107	1	09/19/2017 23:50	WG1022131
n-Hexane	U		0.000310	0.0107	1	09/19/2017 23:50	WG1022131
Iodomethane	U		0.00271	0.0107	1	09/19/2017 23:50	WG1022131
Isopropylbenzene	U		0.000260	0.00107	1	09/19/2017 23:50	WG1022131
p-Isopropyltoluene	U		0.000218	0.00107	1	09/19/2017 23:50	WG1022131
2-Butanone (MEK)	U		0.00501	0.0107	1	09/19/2017 23:50	WG1022131
Methylene Chloride	U		0.00107	0.00535	1	09/19/2017 23:50	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00201	0.0107	1	09/19/2017 23:50	WG1022131

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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		0.000227	0.00107	1	09/19/2017 23:50	WG1022131
Naphthalene	U		0.00107	0.00535	1	09/19/2017 23:50	WG1022131
n-Propylbenzene	U		0.000220	0.00107	1	09/19/2017 23:50	WG1022131
Styrene	U		0.000250	0.00107	1	09/19/2017 23:50	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000282	0.00107	1	09/19/2017 23:50	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000391	0.00107	1	09/19/2017 23:50	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000391	0.00107	1	09/19/2017 23:50	WG1022131
Tetrachloroethene	0.00308		0.000295	0.00107	1	09/19/2017 23:50	WG1022131
Toluene	U		0.000464	0.00535	1	09/19/2017 23:50	WG1022131
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	09/19/2017 23:50	WG1022131
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	09/19/2017 23:50	WG1022131
1,1,1-Trichloroethane	U		0.000306	0.00107	1	09/19/2017 23:50	WG1022131
1,1,2-Trichloroethane	U		0.000296	0.00107	1	09/19/2017 23:50	WG1022131
Trichloroethene	0.000467 J	J	0.000298	0.00107	1	09/19/2017 23:50	WG1022131
Trichlorofluoromethane	U		0.000409	0.00535	1	09/19/2017 23:50	WG1022131
1,2,3-Trichloropropane	U		0.000793	0.00267	1	09/19/2017 23:50	WG1022131
1,2,4-Trimethylbenzene	U		0.000226	0.00107	1	09/19/2017 23:50	WG1022131
1,2,3-Trimethylbenzene	U		0.000307	0.00107	1	09/19/2017 23:50	WG1022131
1,3,5-Trimethylbenzene	U		0.000285	0.00107	1	09/19/2017 23:50	WG1022131
Vinyl acetate	U		0.00256	0.0107	1	09/19/2017 23:50	WG1022131
Vinyl chloride	0.00139		0.000311	0.00107	1	09/19/2017 23:50	WG1022131
Xylenes, Total	U		0.000747	0.00321	1	09/19/2017 23:50	WG1022131
(S) Toluene-d8	*97.9*			*80.0-120*		*09/19/2017 23:50*	WG1022131
(S) Dibromofluoromethane	*115*			*74.0-131*		*09/19/2017 23:50*	WG1022131
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/19/2017 23:50*	WG1022131

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	09/20/2017 14:29	WG1022371

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0153 J	J J0	0.0107	0.0537	1	09/20/2017 00:08	WG1022131
Acrylonitrile	U		0.00192	0.0107	1	09/20/2017 00:08	WG1022131
Benzene	U		0.000290	0.00107	1	09/20/2017 00:08	WG1022131
Bromobenzene	U		0.000305	0.00107	1	09/20/2017 00:08	WG1022131
Bromodichloromethane	U		0.000273	0.00107	1	09/20/2017 00:08	WG1022131
Bromochloromethane	U		0.000419	0.00537	1	09/20/2017 00:08	WG1022131
Bromoform	U UJ	J0	0.000455	0.00107	1	09/20/2017 00:08	WG1022131
Bromomethane	U		0.00144	0.00537	1	09/20/2017 00:08	WG1022131
n-Butylbenzene	U		0.000277	0.00107	1	09/20/2017 00:08	WG1022131
sec-Butylbenzene	U		0.000216	0.00107	1	09/20/2017 00:08	WG1022131
tert-Butylbenzene	U		0.000221	0.00107	1	09/20/2017 00:08	WG1022131
Carbon disulfide	0.00149		0.000237	0.00107	1	09/20/2017 00:08	WG1022131
Carbon tetrachloride	U		0.000352	0.00107	1	09/20/2017 00:08	WG1022131
Chlorobenzene	U		0.000228	0.00107	1	09/20/2017 00:08	WG1022131
Chlorodibromomethane	U		0.000401	0.00107	1	09/20/2017 00:08	WG1022131
Chloroethane	U		0.00102	0.00537	1	09/20/2017 00:08	WG1022131
Chloroform	U		0.000246	0.00537	1	09/20/2017 00:08	WG1022131
Chloromethane	U		0.000403	0.00269	1	09/20/2017 00:08	WG1022131
2-Chlorotoluene	U		0.000323	0.00107	1	09/20/2017 00:08	WG1022131
4-Chlorotoluene	U		0.000258	0.00107	1	09/20/2017 00:08	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	09/20/2017 00:08	WG1022131
1,2-Dibromoethane	U		0.000368	0.00107	1	09/20/2017 00:08	WG1022131
Dibromomethane	U		0.000410	0.00107	1	09/20/2017 00:08	WG1022131
1,2-Dichlorobenzene	U		0.000328	0.00107	1	09/20/2017 00:08	WG1022131
1,3-Dichlorobenzene	U		0.000257	0.00107	1	09/20/2017 00:08	WG1022131
1,4-Dichlorobenzene	U		0.000243	0.00107	1	09/20/2017 00:08	WG1022131
Dichlorodifluoromethane	U		0.000766	0.00537	1	09/20/2017 00:08	WG1022131
1,1-Dichloroethane	U		0.000214	0.00107	1	09/20/2017 00:08	WG1022131
1,2-Dichloroethane	U		0.000285	0.00107	1	09/20/2017 00:08	WG1022131
1,1-Dichloroethene	U		0.000325	0.00107	1	09/20/2017 00:08	WG1022131
cis-1,2-Dichloroethene	0.0982		0.000252	0.00107	1	09/20/2017 00:08	WG1022131
trans-1,2-Dichloroethene	0.000407 J	J	0.000284	0.00107	1	09/20/2017 00:08	WG1022131
1,2-Dichloropropane	U		0.000385	0.00107	1	09/20/2017 00:08	WG1022131
1,1-Dichloropropene	U		0.000340	0.00107	1	09/20/2017 00:08	WG1022131
1,3-Dichloropropane	U		0.000222	0.00107	1	09/20/2017 00:08	WG1022131
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/20/2017 00:08	WG1022131
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	09/20/2017 00:08	WG1022131
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000836	0.00269	1	09/20/2017 00:08	WG1022131
2,2-Dichloropropane	U		0.000300	0.00107	1	09/20/2017 00:08	WG1022131
Di-isopropyl ether	U		0.000266	0.00107	1	09/20/2017 00:08	WG1022131
Ethylbenzene	U		0.000319	0.00107	1	09/20/2017 00:08	WG1022131
Hexachloro-1,3-butadiene	U UJ	J0	0.000367	0.00107	1	09/20/2017 00:08	WG1022131
2-Hexanone	U		0.00147	0.0107	1	09/20/2017 00:08	WG1022131
n-Hexane	0.00158 J	J	0.000311	0.0107	1	09/20/2017 00:08	WG1022131
Iodomethane	U		0.00272	0.0107	1	09/20/2017 00:08	WG1022131
Isopropylbenzene	U		0.000261	0.00107	1	09/20/2017 00:08	WG1022131
p-Isopropyltoluene	U		0.000219	0.00107	1	09/20/2017 00:08	WG1022131
2-Butanone (MEK)	U		0.00503	0.0107	1	09/20/2017 00:08	WG1022131
Methylene Chloride	U		0.00107	0.00537	1	09/20/2017 00:08	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/20/2017 00:08	WG1022131

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

Analyte	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	09/20/2017 00:08	WG1022131
Naphthalene	U		0.00107	0.00537	1	09/20/2017 00:08	WG1022131
n-Propylbenzene	U		0.000221	0.00107	1	09/20/2017 00:08	WG1022131
Styrene	U		0.000251	0.00107	1	09/20/2017 00:08	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000284	0.00107	1	09/20/2017 00:08	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	09/20/2017 00:08	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	09/20/2017 00:08	WG1022131
Tetrachloroethene	0.0126		0.000296	0.00107	1	09/20/2017 00:08	WG1022131
Toluene	U		0.000466	0.00537	1	09/20/2017 00:08	WG1022131
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	09/20/2017 00:08	WG1022131
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	09/20/2017 00:08	WG1022131
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/20/2017 00:08	WG1022131
1,1,2-Trichloroethane	U		0.000298	0.00107	1	09/20/2017 00:08	WG1022131
Trichloroethene	0.00100 J	J	0.000300	0.00107	1	09/20/2017 00:08	WG1022131
Trichlorofluoromethane	U		0.000410	0.00537	1	09/20/2017 00:08	WG1022131
1,2,3-Trichloropropane	U		0.000796	0.00269	1	09/20/2017 00:08	WG1022131
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	09/20/2017 00:08	WG1022131
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	09/20/2017 00:08	WG1022131
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	09/20/2017 00:08	WG1022131
Vinyl acetate	U		0.00257	0.0107	1	09/20/2017 00:08	WG1022131
Vinyl chloride	0.00209		0.000313	0.00107	1	09/20/2017 00:08	WG1022131
Xylenes, Total	U		0.000750	0.00322	1	09/20/2017 00:08	WG1022131
(S) Toluene-d8	*93.7*			*80.0-120*		*09/20/2017 00:08*	WG1022131
(S) Dibromofluoromethane	*117*			*74.0-131*		*09/20/2017 00:08*	WG1022131
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/20/2017 00:08*	WG1022131

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	09/20/2017 14:29	WG1022371

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0147 J	J J0	0.0115	0.0577	1	09/20/2017 00:25	WG1022131
Acrylonitrile	U		0.00207	0.0115	1	09/20/2017 00:25	WG1022131
Benzene	U		0.000312	0.00115	1	09/20/2017 00:25	WG1022131
Bromobenzene	U		0.000328	0.00115	1	09/20/2017 00:25	WG1022131
Bromodichloromethane	U		0.000293	0.00115	1	09/20/2017 00:25	WG1022131
Bromochloromethane	U		0.000450	0.00577	1	09/20/2017 00:25	WG1022131
Bromoform	U UJ	J0	0.000489	0.00115	1	09/20/2017 00:25	WG1022131
Bromomethane	U		0.00155	0.00577	1	09/20/2017 00:25	WG1022131
n-Butylbenzene	U		0.000298	0.00115	1	09/20/2017 00:25	WG1022131
sec-Butylbenzene	U		0.000232	0.00115	1	09/20/2017 00:25	WG1022131
tert-Butylbenzene	U		0.000238	0.00115	1	09/20/2017 00:25	WG1022131
Carbon disulfide	0.000918 J	J	0.000255	0.00115	1	09/20/2017 00:25	WG1022131
Carbon tetrachloride	U		0.000378	0.00115	1	09/20/2017 00:25	WG1022131
Chlorobenzene	U		0.000245	0.00115	1	09/20/2017 00:25	WG1022131
Chlorodibromomethane	U		0.000430	0.00115	1	09/20/2017 00:25	WG1022131
Chloroethane	U		0.00109	0.00577	1	09/20/2017 00:25	WG1022131
Chloroform	U		0.000264	0.00577	1	09/20/2017 00:25	WG1022131
Chloromethane	U		0.000433	0.00288	1	09/20/2017 00:25	WG1022131
2-Chlorotoluene	U		0.000347	0.00115	1	09/20/2017 00:25	WG1022131
4-Chlorotoluene	U		0.000277	0.00115	1	09/20/2017 00:25	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00577	1	09/20/2017 00:25	WG1022131
1,2-Dibromoethane	U		0.000396	0.00115	1	09/20/2017 00:25	WG1022131
Dibromomethane	U		0.000441	0.00115	1	09/20/2017 00:25	WG1022131
1,2-Dichlorobenzene	U		0.000352	0.00115	1	09/20/2017 00:25	WG1022131
1,3-Dichlorobenzene	U		0.000276	0.00115	1	09/20/2017 00:25	WG1022131
1,4-Dichlorobenzene	U		0.000261	0.00115	1	09/20/2017 00:25	WG1022131
Dichlorodifluoromethane	U		0.000823	0.00577	1	09/20/2017 00:25	WG1022131
1,1-Dichloroethane	U		0.000230	0.00115	1	09/20/2017 00:25	WG1022131
1,2-Dichloroethane	U		0.000306	0.00115	1	09/20/2017 00:25	WG1022131
1,1-Dichloroethene	U		0.000350	0.00115	1	09/20/2017 00:25	WG1022131
cis-1,2-Dichloroethene	0.000763 J	J	0.000271	0.00115	1	09/20/2017 00:25	WG1022131
trans-1,2-Dichloroethene	U		0.000305	0.00115	1	09/20/2017 00:25	WG1022131
1,2-Dichloropropane	U		0.000413	0.00115	1	09/20/2017 00:25	WG1022131
1,1-Dichloropropene	U		0.000366	0.00115	1	09/20/2017 00:25	WG1022131
1,3-Dichloropropane	U		0.000239	0.00115	1	09/20/2017 00:25	WG1022131
cis-1,3-Dichloropropene	U		0.000302	0.00115	1	09/20/2017 00:25	WG1022131
trans-1,3-Dichloropropene	U		0.000308	0.00115	1	09/20/2017 00:25	WG1022131
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000898	0.00288	1	09/20/2017 00:25	WG1022131
2,2-Dichloropropane	U		0.000322	0.00115	1	09/20/2017 00:25	WG1022131
Di-isopropyl ether	U		0.000286	0.00115	1	09/20/2017 00:25	WG1022131
Ethylbenzene	U		0.000343	0.00115	1	09/20/2017 00:25	WG1022131
Hexachloro-1,3-butadiene	U UJ	J0	0.000395	0.00115	1	09/20/2017 00:25	WG1022131
2-Hexanone	U		0.00158	0.0115	1	09/20/2017 00:25	WG1022131
n-Hexane	0.000675 J	J	0.000335	0.0115	1	09/20/2017 00:25	WG1022131
Iodomethane	U		0.00292	0.0115	1	09/20/2017 00:25	WG1022131
Isopropylbenzene	U		0.000280	0.00115	1	09/20/2017 00:25	WG1022131
p-Isopropyltoluene	U		0.000235	0.00115	1	09/20/2017 00:25	WG1022131
2-Butanone (MEK)	U		0.00540	0.0115	1	09/20/2017 00:25	WG1022131
Methylene Chloride	U		0.00115	0.00577	1	09/20/2017 00:25	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0115	1	09/20/2017 00:25	WG1022131

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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	09/20/2017 00:25	WG1022131
Naphthalene	U		0.00115	0.00577	1	09/20/2017 00:25	WG1022131
n-Propylbenzene	U		0.000238	0.00115	1	09/20/2017 00:25	WG1022131
Styrene	U		0.000270	0.00115	1	09/20/2017 00:25	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000305	0.00115	1	09/20/2017 00:25	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000421	0.00115	1	09/20/2017 00:25	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000421	0.00115	1	09/20/2017 00:25	WG1022131
Tetrachloroethene	0.000397	J J	0.000318	0.00115	1	09/20/2017 00:25	WG1022131
Toluene	U		0.000501	0.00577	1	09/20/2017 00:25	WG1022131
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	09/20/2017 00:25	WG1022131
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	09/20/2017 00:25	WG1022131
1,1,1-Trichloroethane	U		0.000330	0.00115	1	09/20/2017 00:25	WG1022131
1,1,2-Trichloroethane	U		0.000320	0.00115	1	09/20/2017 00:25	WG1022131
Trichloroethene	U		0.000322	0.00115	1	09/20/2017 00:25	WG1022131
Trichlorofluoromethane	U		0.000441	0.00577	1	09/20/2017 00:25	WG1022131
1,2,3-Trichloropropane	U		0.000855	0.00288	1	09/20/2017 00:25	WG1022131
1,2,4-Trimethylbenzene	U		0.000243	0.00115	1	09/20/2017 00:25	WG1022131
1,2,3-Trimethylbenzene	U		0.000331	0.00115	1	09/20/2017 00:25	WG1022131
1,3,5-Trimethylbenzene	U		0.000307	0.00115	1	09/20/2017 00:25	WG1022131
Vinyl acetate	U		0.00276	0.0115	1	09/20/2017 00:25	WG1022131
Vinyl chloride	U		0.000336	0.00115	1	09/20/2017 00:25	WG1022131
Xylenes, Total	U		0.000805	0.00346	1	09/20/2017 00:25	WG1022131
(S) Toluene-d8	*93.3*			*80.0-120*		*09/20/2017 00:25*	WG1022131
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/20/2017 00:25*	WG1022131
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/20/2017 00:25*	WG1022131

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	09/20/2017 14:29	WG1022371

Volatile Organic Compounds (GC/MS) 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	0.0107	0.0537	1	09/20/2017 00:43	WG1022131
Acrylonitrile	U		0.00192	0.0107	1	09/20/2017 00:43	WG1022131
Benzene	U		0.000290	0.00107	1	09/20/2017 00:43	WG1022131
Bromobenzene	U		0.000305	0.00107	1	09/20/2017 00:43	WG1022131
Bromodichloromethane	U		0.000273	0.00107	1	09/20/2017 00:43	WG1022131
Bromochloromethane	U		0.000419	0.00537	1	09/20/2017 00:43	WG1022131
Bromoform	U UJ	J0	0.000455	0.00107	1	09/20/2017 00:43	WG1022131
Bromomethane	U		0.00144	0.00537	1	09/20/2017 00:43	WG1022131
n-Butylbenzene	U		0.000277	0.00107	1	09/20/2017 00:43	WG1022131
sec-Butylbenzene	U		0.000216	0.00107	1	09/20/2017 00:43	WG1022131
tert-Butylbenzene	U		0.000221	0.00107	1	09/20/2017 00:43	WG1022131
Carbon disulfide	0.000528 J	J	0.000237	0.00107	1	09/20/2017 00:43	WG1022131
Carbon tetrachloride	U		0.000352	0.00107	1	09/20/2017 00:43	WG1022131
Chlorobenzene	U		0.000228	0.00107	1	09/20/2017 00:43	WG1022131
Chlorodibromomethane	U		0.000401	0.00107	1	09/20/2017 00:43	WG1022131
Chloroethane	U		0.00102	0.00537	1	09/20/2017 00:43	WG1022131
Chloroform	U		0.000246	0.00537	1	09/20/2017 00:43	WG1022131
Chloromethane	U		0.000403	0.00268	1	09/20/2017 00:43	WG1022131
2-Chlorotoluene	U		0.000323	0.00107	1	09/20/2017 00:43	WG1022131
4-Chlorotoluene	U		0.000258	0.00107	1	09/20/2017 00:43	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	09/20/2017 00:43	WG1022131
1,2-Dibromoethane	U		0.000368	0.00107	1	09/20/2017 00:43	WG1022131
Dibromomethane	U		0.000410	0.00107	1	09/20/2017 00:43	WG1022131
1,2-Dichlorobenzene	U		0.000328	0.00107	1	09/20/2017 00:43	WG1022131
1,3-Dichlorobenzene	U		0.000257	0.00107	1	09/20/2017 00:43	WG1022131
1,4-Dichlorobenzene	U		0.000243	0.00107	1	09/20/2017 00:43	WG1022131
Dichlorodifluoromethane	U		0.000766	0.00537	1	09/20/2017 00:43	WG1022131
1,1-Dichloroethane	U		0.000214	0.00107	1	09/20/2017 00:43	WG1022131
1,2-Dichloroethane	U		0.000285	0.00107	1	09/20/2017 00:43	WG1022131
1,1-Dichloroethene	U		0.000325	0.00107	1	09/20/2017 00:43	WG1022131
cis-1,2-Dichloroethene	U		0.000252	0.00107	1	09/20/2017 00:43	WG1022131
trans-1,2-Dichloroethene	U		0.000284	0.00107	1	09/20/2017 00:43	WG1022131
1,2-Dichloropropane	U		0.000384	0.00107	1	09/20/2017 00:43	WG1022131
1,1-Dichloropropene	U		0.000340	0.00107	1	09/20/2017 00:43	WG1022131
1,3-Dichloropropane	U		0.000222	0.00107	1	09/20/2017 00:43	WG1022131
cis-1,3-Dichloropropene	U		0.000281	0.00107	1	09/20/2017 00:43	WG1022131
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	09/20/2017 00:43	WG1022131
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000836	0.00268	1	09/20/2017 00:43	WG1022131
2,2-Dichloropropane	U		0.000300	0.00107	1	09/20/2017 00:43	WG1022131
Di-isopropyl ether	U		0.000266	0.00107	1	09/20/2017 00:43	WG1022131
Ethylbenzene	U		0.000319	0.00107	1	09/20/2017 00:43	WG1022131
Hexachloro-1,3-butadiene	U UJ	J0	0.000367	0.00107	1	09/20/2017 00:43	WG1022131
2-Hexanone	U		0.00147	0.0107	1	09/20/2017 00:43	WG1022131
n-Hexane	U		0.000311	0.0107	1	09/20/2017 00:43	WG1022131
Iodomethane	U		0.00272	0.0107	1	09/20/2017 00:43	WG1022131
Isopropylbenzene	U		0.000261	0.00107	1	09/20/2017 00:43	WG1022131
p-Isopropyltoluene	U		0.000219	0.00107	1	09/20/2017 00:43	WG1022131
2-Butanone (MEK)	U		0.00503	0.0107	1	09/20/2017 00:43	WG1022131
Methylene Chloride	U		0.00107	0.00537	1	09/20/2017 00:43	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/20/2017 00:43	WG1022131

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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	0.00107	1	09/20/2017 00:43	WG1022131
Naphthalene	U		0.00107	0.00537	1	09/20/2017 00:43	WG1022131
n-Propylbenzene	U		0.000221	0.00107	1	09/20/2017 00:43	WG1022131
Styrene	U		0.000251	0.00107	1	09/20/2017 00:43	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000284	0.00107	1	09/20/2017 00:43	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	09/20/2017 00:43	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	09/20/2017 00:43	WG1022131
Tetrachloroethene	U		0.000296	0.00107	1	09/20/2017 00:43	WG1022131
Toluene	U		0.000466	0.00537	1	09/20/2017 00:43	WG1022131
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	09/20/2017 00:43	WG1022131
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	09/20/2017 00:43	WG1022131
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/20/2017 00:43	WG1022131
1,1,2-Trichloroethane	U		0.000297	0.00107	1	09/20/2017 00:43	WG1022131
Trichloroethene	U		0.000300	0.00107	1	09/20/2017 00:43	WG1022131
Trichlorofluoromethane	U		0.000410	0.00537	1	09/20/2017 00:43	WG1022131
1,2,3-Trichloropropane	U		0.000796	0.00268	1	09/20/2017 00:43	WG1022131
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	09/20/2017 00:43	WG1022131
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	09/20/2017 00:43	WG1022131
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	09/20/2017 00:43	WG1022131
Vinyl acetate	U		0.00257	0.0107	1	09/20/2017 00:43	WG1022131
Vinyl chloride	U		0.000313	0.00107	1	09/20/2017 00:43	WG1022131
Xylenes, Total	U		0.000750	0.00322	1	09/20/2017 00:43	WG1022131
(S) Toluene-d8	*94.4*			*80.0-120*		*09/20/2017 00:43*	WG1022131
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/20/2017 00:43*	WG1022131
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/20/2017 00:43*	WG1022131

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	09/20/2017 14:29	WG1022371

Volatile Organic Compounds (GC/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 J0	0.0118	0.0590	1	09/20/2017 01:00	WG1022131
Acrylonitrile	U		0.00211	0.0118	1	09/20/2017 01:00	WG1022131
Benzene	U		0.000319	0.00118	1	09/20/2017 01:00	WG1022131
Bromobenzene	U		0.000335	0.00118	1	09/20/2017 01:00	WG1022131
Bromodichloromethane	U		0.000300	0.00118	1	09/20/2017 01:00	WG1022131
Bromochloromethane	U		0.000460	0.00590	1	09/20/2017 01:00	WG1022131
Bromoform	U UJ	J0	0.000500	0.00118	1	09/20/2017 01:00	WG1022131
Bromomethane	U		0.00158	0.00590	1	09/20/2017 01:00	WG1022131
n-Butylbenzene	U		0.000304	0.00118	1	09/20/2017 01:00	WG1022131
sec-Butylbenzene	U		0.000237	0.00118	1	09/20/2017 01:00	WG1022131
tert-Butylbenzene	U		0.000243	0.00118	1	09/20/2017 01:00	WG1022131
Carbon disulfide	0.000621 J	J	0.000261	0.00118	1	09/20/2017 01:00	WG1022131
Carbon tetrachloride	U		0.000387	0.00118	1	09/20/2017 01:00	WG1022131
Chlorobenzene	U		0.000250	0.00118	1	09/20/2017 01:00	WG1022131
Chlorodibromomethane	U		0.000440	0.00118	1	09/20/2017 01:00	WG1022131
Chloroethane	U		0.00112	0.00590	1	09/20/2017 01:00	WG1022131
Chloroform	U		0.000270	0.00590	1	09/20/2017 01:00	WG1022131
Chloromethane	U		0.000442	0.00295	1	09/20/2017 01:00	WG1022131
2-Chlorotoluene	U		0.000355	0.00118	1	09/20/2017 01:00	WG1022131
4-Chlorotoluene	U		0.000283	0.00118	1	09/20/2017 01:00	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00124	0.00590	1	09/20/2017 01:00	WG1022131
1,2-Dibromoethane	U		0.000405	0.00118	1	09/20/2017 01:00	WG1022131
Dibromomethane	U		0.000451	0.00118	1	09/20/2017 01:00	WG1022131
1,2-Dichlorobenzene	U		0.000360	0.00118	1	09/20/2017 01:00	WG1022131
1,3-Dichlorobenzene	U		0.000282	0.00118	1	09/20/2017 01:00	WG1022131
1,4-Dichlorobenzene	U		0.000267	0.00118	1	09/20/2017 01:00	WG1022131
Dichlorodifluoromethane	U		0.000841	0.00590	1	09/20/2017 01:00	WG1022131
1,1-Dichloroethane	U		0.000235	0.00118	1	09/20/2017 01:00	WG1022131
1,2-Dichloroethane	U		0.000313	0.00118	1	09/20/2017 01:00	WG1022131
1,1-Dichloroethene	U		0.000358	0.00118	1	09/20/2017 01:00	WG1022131
cis-1,2-Dichloroethene	U		0.000277	0.00118	1	09/20/2017 01:00	WG1022131
trans-1,2-Dichloroethene	U		0.000312	0.00118	1	09/20/2017 01:00	WG1022131
1,2-Dichloropropane	U		0.000422	0.00118	1	09/20/2017 01:00	WG1022131
1,1-Dichloropropene	U		0.000374	0.00118	1	09/20/2017 01:00	WG1022131
1,3-Dichloropropane	U		0.000244	0.00118	1	09/20/2017 01:00	WG1022131
cis-1,3-Dichloropropene	U		0.000309	0.00118	1	09/20/2017 01:00	WG1022131
trans-1,3-Dichloropropene	U		0.000315	0.00118	1	09/20/2017 01:00	WG1022131
trans-1,4-Dichloro-2-butene	U UJ	J0	0.000918	0.00295	1	09/20/2017 01:00	WG1022131
2,2-Dichloropropane	U		0.000329	0.00118	1	09/20/2017 01:00	WG1022131
Di-isopropyl ether	U		0.000293	0.00118	1	09/20/2017 01:00	WG1022131
Ethylbenzene	U		0.000350	0.00118	1	09/20/2017 01:00	WG1022131
Hexachloro-1,3-butadiene	U UJ	J0	0.000404	0.00118	1	09/20/2017 01:00	WG1022131
2-Hexanone	U		0.00162	0.0118	1	09/20/2017 01:00	WG1022131
n-Hexane	U		0.000342	0.0118	1	09/20/2017 01:00	WG1022131
Iodomethane	U		0.00299	0.0118	1	09/20/2017 01:00	WG1022131
Isopropylbenzene	U		0.000287	0.00118	1	09/20/2017 01:00	WG1022131
p-Isopropyltoluene	U		0.000241	0.00118	1	09/20/2017 01:00	WG1022131
2-Butanone (MEK)	U		0.00552	0.0118	1	09/20/2017 01:00	WG1022131
Methylene Chloride	U		0.00118	0.00590	1	09/20/2017 01:00	WG1022131
4-Methyl-2-pentanone (MIBK)	U		0.00222	0.0118	1	09/20/2017 01:00	WG1022131

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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		0.000250	0.00118	1	09/20/2017 01:00	WG1022131
Naphthalene	U		0.00118	0.00590	1	09/20/2017 01:00	WG1022131
n-Propylbenzene	U		0.000243	0.00118	1	09/20/2017 01:00	WG1022131
Styrene	U		0.000276	0.00118	1	09/20/2017 01:00	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000312	0.00118	1	09/20/2017 01:00	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000431	0.00118	1	09/20/2017 01:00	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000431	0.00118	1	09/20/2017 01:00	WG1022131
Tetrachloroethene	U		0.000326	0.00118	1	09/20/2017 01:00	WG1022131
Toluene	U		0.000512	0.00590	1	09/20/2017 01:00	WG1022131
1,2,3-Trichlorobenzene	U		0.000361	0.00118	1	09/20/2017 01:00	WG1022131
1,2,4-Trichlorobenzene	U		0.000458	0.00118	1	09/20/2017 01:00	WG1022131
1,1,1-Trichloroethane	U		0.000337	0.00118	1	09/20/2017 01:00	WG1022131
1,1,2-Trichloroethane	U		0.000327	0.00118	1	09/20/2017 01:00	WG1022131
Trichloroethene	U		0.000329	0.00118	1	09/20/2017 01:00	WG1022131
Trichlorofluoromethane	U		0.000451	0.00590	1	09/20/2017 01:00	WG1022131
1,2,3-Trichloropropane	U		0.000874	0.00295	1	09/20/2017 01:00	WG1022131
1,2,4-Trimethylbenzene	U		0.000249	0.00118	1	09/20/2017 01:00	WG1022131
1,2,3-Trimethylbenzene	U		0.000339	0.00118	1	09/20/2017 01:00	WG1022131
1,3,5-Trimethylbenzene	U		0.000314	0.00118	1	09/20/2017 01:00	WG1022131
Vinyl acetate	U		0.00282	0.0118	1	09/20/2017 01:00	WG1022131
Vinyl chloride	U		0.000343	0.00118	1	09/20/2017 01:00	WG1022131
Xylenes, Total	U		0.000824	0.00354	1	09/20/2017 01:00	WG1022131
(S) Toluene-d8	*93.8*			*80.0-120*		*09/20/2017 01:00*	WG1022131
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/20/2017 01:00*	WG1022131
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/20/2017 01:00*	WG1022131

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	09/20/2017 14:29	WG1022371

Volatile Organic Compounds (GC/MS) 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	0.0565	1	09/24/2017 18:09	WG1022131
Acrylonitrile	U UJ	J0	0.00202	0.0113	1	09/24/2017 18:09	WG1022131
Benzene	U		0.000305	0.00113	1	09/24/2017 18:09	WG1022131
Bromobenzene	U		0.000321	0.00113	1	09/24/2017 18:09	WG1022131
Bromodichloromethane	U		0.000287	0.00113	1	09/24/2017 18:09	WG1022131
Bromochloromethane	U		0.000441	0.00565	1	09/24/2017 18:09	WG1022131
Bromoform	U		0.000479	0.00113	1	09/24/2017 18:09	WG1022131
Bromomethane	U		0.00151	0.00565	1	09/24/2017 18:09	WG1022131
n-Butylbenzene	U		0.000292	0.00113	1	09/24/2017 18:09	WG1022131
sec-Butylbenzene	U		0.000227	0.00113	1	09/24/2017 18:09	WG1022131
tert-Butylbenzene	U		0.000233	0.00113	1	09/24/2017 18:09	WG1022131
Carbon disulfide	0.000551 J	J	0.000250	0.00113	1	09/24/2017 18:09	WG1022131
Carbon tetrachloride	U		0.000371	0.00113	1	09/24/2017 18:09	WG1022131
Chlorobenzene	U		0.000240	0.00113	1	09/24/2017 18:09	WG1022131
Chlorodibromomethane	U		0.000421	0.00113	1	09/24/2017 18:09	WG1022131
Chloroethane	U		0.00107	0.00565	1	09/24/2017 18:09	WG1022131
Chloroform	U		0.000259	0.00565	1	09/24/2017 18:09	WG1022131
Chloromethane	U UJ	J0	0.000424	0.00283	1	09/24/2017 18:09	WG1022131
2-Chlorotoluene	U		0.000340	0.00113	1	09/24/2017 18:09	WG1022131
4-Chlorotoluene	U		0.000271	0.00113	1	09/24/2017 18:09	WG1022131
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00565	1	09/24/2017 18:09	WG1022131
1,2-Dibromoethane	U UJ	J0	0.000388	0.00113	1	09/24/2017 18:09	WG1022131
Dibromomethane	U		0.000432	0.00113	1	09/24/2017 18:09	WG1022131
1,2-Dichlorobenzene	U		0.000345	0.00113	1	09/24/2017 18:09	WG1022131
1,3-Dichlorobenzene	U		0.000270	0.00113	1	09/24/2017 18:09	WG1022131
1,4-Dichlorobenzene	U		0.000255	0.00113	1	09/24/2017 18:09	WG1022131
Dichlorodifluoromethane	U		0.000806	0.00565	1	09/24/2017 18:09	WG1022131
1,1-Dichloroethane	U		0.000225	0.00113	1	09/24/2017 18:09	WG1022131
1,2-Dichloroethane	U		0.000299	0.00113	1	09/24/2017 18:09	WG1022131
1,1-Dichloroethene	U		0.000342	0.00113	1	09/24/2017 18:09	WG1022131
cis-1,2-Dichloroethene	U		0.000266	0.00113	1	09/24/2017 18:09	WG1022131
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	09/24/2017 18:09	WG1022131
1,2-Dichloropropane	U		0.000405	0.00113	1	09/24/2017 18:09	WG1022131
1,1-Dichloropropene	U		0.000358	0.00113	1	09/24/2017 18:09	WG1022131
1,3-Dichloropropane	U		0.000234	0.00113	1	09/24/2017 18:09	WG1022131
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	09/24/2017 18:09	WG1022131
trans-1,3-Dichloropropene	U		0.000302	0.00113	1	09/24/2017 18:09	WG1022131
trans-1,4-Dichloro-2-butene	U		0.0219	0.0706	25	09/25/2017 14:03	WG1022131
2,2-Dichloropropane	U		0.000315	0.00113	1	09/24/2017 18:09	WG1022131
Di-isopropyl ether	U UJ	J0	0.000280	0.00113	1	09/24/2017 18:09	WG1022131
Ethylbenzene	U		0.000336	0.00113	1	09/24/2017 18:09	WG1022131
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	09/24/2017 18:09	WG1022131
2-Hexanone	U		0.00155	0.0113	1	09/24/2017 18:09	WG1022131
n-Hexane	U		0.000328	0.0113	1	09/24/2017 18:09	WG1022131
Iodomethane	U		0.00286	0.0113	1	09/24/2017 18:09	WG1022131
Isopropylbenzene	U		0.000275	0.00113	1	09/24/2017 18:09	WG1022131
p-Isopropyltoluene	U		0.000231	0.00113	1	09/24/2017 18:09	WG1022131
2-Butanone (MEK)	U		0.00529	0.0113	1	09/24/2017 18:09	WG1022131
Methylene Chloride	U		0.00113	0.00565	1	09/24/2017 18:09	WG1022131
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00212	0.0113	1	09/24/2017 18:09	WG1022131

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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	09/24/2017 18:09	WG1022131
Naphthalene	U		0.00113	0.00565	1	09/24/2017 18:09	WG1022131
n-Propylbenzene	U		0.000233	0.00113	1	09/24/2017 18:09	WG1022131
Styrene	U		0.000264	0.00113	1	09/24/2017 18:09	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	09/24/2017 18:09	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	09/24/2017 18:09	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	09/24/2017 18:09	WG1022131
Tetrachloroethene	U		0.00780	0.0283	25	09/25/2017 14:03	WG1022131
Toluene	U		0.000490	0.00565	1	09/24/2017 18:09	WG1022131
1,2,3-Trichlorobenzene	U		0.000346	0.00113	1	09/24/2017 18:09	WG1022131
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	09/24/2017 18:09	WG1022131
1,1,1-Trichloroethane	U		0.000323	0.00113	1	09/24/2017 18:09	WG1022131
1,1,2-Trichloroethane	U		0.000313	0.00113	1	09/24/2017 18:09	WG1022131
Trichloroethene	U		0.000315	0.00113	1	09/24/2017 18:09	WG1022131
Trichlorofluoromethane	U		0.000432	0.00565	1	09/24/2017 18:09	WG1022131
1,2,3-Trichloropropane	U		0.000837	0.00283	1	09/24/2017 18:09	WG1022131
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	09/24/2017 18:09	WG1022131
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	09/24/2017 18:09	WG1022131
1,3,5-Trimethylbenzene	U		0.000301	0.00113	1	09/24/2017 18:09	WG1022131
Vinyl acetate	U		0.00270	0.0113	1	09/24/2017 18:09	WG1022131
Vinyl chloride	U		0.000329	0.00113	1	09/24/2017 18:09	WG1022131
Xylenes, Total	U		0.000789	0.00339	1	09/24/2017 18:09	WG1022131
(S) Toluene-d8	*111*			*80.0-120*		*09/24/2017 18:09*	WG1022131
(S) Toluene-d8	*94.2*			*80.0-120*		*09/25/2017 14:03*	WG1022131
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/25/2017 14:03*	WG1022131
(S) Dibromofluoromethane	*97.2*			*74.0-131*		*09/24/2017 18:09*	WG1022131
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/24/2017 18:09*	WG1022131
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/25/2017 14:03*	WG1022131

Sample Narrative:

L937125-07 WG1022131: Elevated RL. Bisulfate vials overweight, reported from MEOH vial.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	09/20/2017 14:29	WG1022371

Volatile Organic Compounds (GC/MS) 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	09/20/2017 01:35	WG1022131
Acrylonitrile	U			0.00207	0.0116	1	09/20/2017 01:35	WG1022131
Benzene	U			0.000313	0.00116	1	09/20/2017 01:35	WG1022131
Bromobenzene	U			0.000329	0.00116	1	09/20/2017 01:35	WG1022131
Bromodichloromethane	U			0.000294	0.00116	1	09/20/2017 01:35	WG1022131
Bromochloromethane	U			0.000452	0.00579	1	09/20/2017 01:35	WG1022131
Bromoform	U	UJ	J0	0.000491	0.00116	1	09/20/2017 01:35	WG1022131
Bromomethane	U			0.00155	0.00579	1	09/20/2017 01:35	WG1022131
n-Butylbenzene	U			0.000299	0.00116	1	09/20/2017 01:35	WG1022131
sec-Butylbenzene	U			0.000233	0.00116	1	09/20/2017 01:35	WG1022131
tert-Butylbenzene	U			0.000239	0.00116	1	09/20/2017 01:35	WG1022131
Carbon disulfide	U			0.000256	0.00116	1	09/20/2017 01:35	WG1022131
Carbon tetrachloride	U			0.000380	0.00116	1	09/20/2017 01:35	WG1022131
Chlorobenzene	U			0.000246	0.00116	1	09/20/2017 01:35	WG1022131
Chlorodibromomethane	U			0.000432	0.00116	1	09/20/2017 01:35	WG1022131
Chloroethane	U			0.00110	0.00579	1	09/20/2017 01:35	WG1022131
Chloroform	U			0.000265	0.00579	1	09/20/2017 01:35	WG1022131
Chloromethane	U			0.000434	0.00290	1	09/20/2017 01:35	WG1022131
2-Chlorotoluene	U			0.000349	0.00116	1	09/20/2017 01:35	WG1022131
4-Chlorotoluene	U			0.000278	0.00116	1	09/20/2017 01:35	WG1022131
1,2-Dibromo-3-Chloropropane	U			0.00122	0.00579	1	09/20/2017 01:35	WG1022131
1,2-Dibromoethane	U			0.000397	0.00116	1	09/20/2017 01:35	WG1022131
Dibromomethane	U			0.000443	0.00116	1	09/20/2017 01:35	WG1022131
1,2-Dichlorobenzene	U			0.000353	0.00116	1	09/20/2017 01:35	WG1022131
1,3-Dichlorobenzene	U			0.000277	0.00116	1	09/20/2017 01:35	WG1022131
1,4-Dichlorobenzene	U			0.000262	0.00116	1	09/20/2017 01:35	WG1022131
Dichlorodifluoromethane	U			0.000826	0.00579	1	09/20/2017 01:35	WG1022131
1,1-Dichloroethane	U			0.000231	0.00116	1	09/20/2017 01:35	WG1022131
1,2-Dichloroethane	U			0.000307	0.00116	1	09/20/2017 01:35	WG1022131
1,1-Dichloroethene	U			0.000351	0.00116	1	09/20/2017 01:35	WG1022131
cis-1,2-Dichloroethene	U			0.000272	0.00116	1	09/20/2017 01:35	WG1022131
trans-1,2-Dichloroethene	U			0.000306	0.00116	1	09/20/2017 01:35	WG1022131
1,2-Dichloropropane	U			0.000415	0.00116	1	09/20/2017 01:35	WG1022131
1,1-Dichloropropene	U			0.000367	0.00116	1	09/20/2017 01:35	WG1022131
1,3-Dichloropropane	U			0.000240	0.00116	1	09/20/2017 01:35	WG1022131
cis-1,3-Dichloropropene	U			0.000303	0.00116	1	09/20/2017 01:35	WG1022131
trans-1,3-Dichloropropene	U			0.000309	0.00116	1	09/20/2017 01:35	WG1022131
trans-1,4-Dichloro-2-butene	U	UJ	J0	0.000901	0.00290	1	09/20/2017 01:35	WG1022131
2,2-Dichloropropane	U			0.000323	0.00116	1	09/20/2017 01:35	WG1022131
Di-isopropyl ether	U			0.000287	0.00116	1	09/20/2017 01:35	WG1022131
Ethylbenzene	U			0.000344	0.00116	1	09/20/2017 01:35	WG1022131
Hexachloro-1,3-butadiene	U			0.000396	0.00116	1	09/20/2017 01:35	WG1022131
2-Hexanone	U	UJ	J0	0.00159	0.0116	1	09/20/2017 01:35	WG1022131
n-Hexane	U			0.000336	0.0116	1	09/20/2017 01:35	WG1022131
Iodomethane	U			0.00293	0.0116	1	09/20/2017 01:35	WG1022131
Isopropylbenzene	U			0.000281	0.00116	1	09/20/2017 01:35	WG1022131
p-Isopropyltoluene	U			0.000236	0.00116	1	09/20/2017 01:35	WG1022131
2-Butanone (MEK)	U			0.00542	0.0116	1	09/20/2017 01:35	WG1022131
Methylene Chloride	U			0.00116	0.00579	1	09/20/2017 01:35	WG1022131
4-Methyl-2-pentanone (MIBK)	U			0.00218	0.0116	1	09/20/2017 01:35	WG1022131

JC 10/16/17

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

Analyte	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	09/20/2017 01:35	WG1022131
Naphthalene	U		0.00116	0.00579	1	09/20/2017 01:35	WG1022131
n-Propylbenzene	U		0.000239	0.00116	1	09/20/2017 01:35	WG1022131
Styrene	U		0.000271	0.00116	1	09/20/2017 01:35	WG1022131
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/20/2017 01:35	WG1022131
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/20/2017 01:35	WG1022131
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/20/2017 01:35	WG1022131
Tetrachloroethene	U		0.000320	0.00116	1	09/20/2017 01:35	WG1022131
Toluene	U		0.000503	0.00579	1	09/20/2017 01:35	WG1022131
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/20/2017 01:35	WG1022131
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	09/20/2017 01:35	WG1022131
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/20/2017 01:35	WG1022131
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/20/2017 01:35	WG1022131
Trichloroethene	U		0.000323	0.00116	1	09/20/2017 01:35	WG1022131
Trichlorofluoromethane	U		0.000443	0.00579	1	09/20/2017 01:35	WG1022131
1,2,3-Trichloropropane	U		0.000858	0.00290	1	09/20/2017 01:35	WG1022131
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/20/2017 01:35	WG1022131
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/20/2017 01:35	WG1022131
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/20/2017 01:35	WG1022131
Vinyl acetate	U		0.00277	0.0116	1	09/20/2017 01:35	WG1022131
Vinyl chloride	U		0.000337	0.00116	1	09/20/2017 01:35	WG1022131
Xylenes, Total	U		0.000809	0.00348	1	09/20/2017 01:35	WG1022131
(S) Toluene-d8	*94.5*			*80.0-120*		*09/20/2017 01:35*	WG1022131
(S) Dibromofluoromethane	*113*			*74.0-131*		*09/20/2017 01:35*	WG1022131
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/20/2017 01:35*	WG1022131

JC 10/16/17

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	6.20 U	B J	1.05	25.0	1	09/19/2017 18:06	WG1021889
Acrylonitrile	U		0.873	5.00	1	09/19/2017 18:06	WG1021889
Benzene	0.275 J	J	0.0896	0.500	1	09/19/2017 18:06	WG1021889
Bromobenzene	U		0.133	0.500	1	09/19/2017 18:06	WG1021889
Bromodichloromethane	U		0.0800	0.500	1	09/19/2017 18:06	WG1021889
Bromochloromethane	U		0.145	0.500	1	09/19/2017 18:06	WG1021889
Bromoform	U		0.186	0.500	1	09/19/2017 18:06	WG1021889
Bromomethane	U		0.157	2.50	1	09/19/2017 18:06	WG1021889
n-Butylbenzene	U		0.143	0.500	1	09/19/2017 18:06	WG1021889
sec-Butylbenzene	U		0.134	0.500	1	09/19/2017 18:06	WG1021889
tert-Butylbenzene	U		0.183	0.500	1	09/19/2017 18:06	WG1021889
Carbon disulfide	U		0.101	0.500	1	09/19/2017 18:06	WG1021889
Carbon tetrachloride	U		0.159	0.500	1	09/19/2017 18:06	WG1021889
Chlorobenzene	U		0.140	0.500	1	09/19/2017 18:06	WG1021889
Chlorodibromomethane	U		0.128	0.500	1	09/19/2017 18:06	WG1021889
Chloroethane	U		0.141	2.50	1	09/19/2017 18:06	WG1021889
Chloroform	U		0.0860	0.500	1	09/19/2017 18:06	WG1021889
Chloromethane	0.489 J	J	0.153	1.25	1	09/19/2017 18:06	WG1021889
2-Chlorotoluene	U		0.111	0.500	1	09/19/2017 18:06	WG1021889
4-Chlorotoluene	U		0.0972	0.500	1	09/19/2017 18:06	WG1021889
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/19/2017 18:06	WG1021889
1,2-Dibromoethane	U		0.193	0.500	1	09/19/2017 18:06	WG1021889
Dibromomethane	U		0.117	0.500	1	09/19/2017 18:06	WG1021889
1,2-Dichlorobenzene	U		0.101	0.500	1	09/19/2017 18:06	WG1021889
1,3-Dichlorobenzene	U		0.130	0.500	1	09/19/2017 18:06	WG1021889
1,4-Dichlorobenzene	U		0.121	0.500	1	09/19/2017 18:06	WG1021889
Dichlorodifluoromethane	U		0.127	2.50	1	09/19/2017 18:06	WG1021889
1,1-Dichloroethane	U		0.114	0.500	1	09/19/2017 18:06	WG1021889
1,2-Dichloroethane	U		0.108	0.500	1	09/19/2017 18:06	WG1021889
1,1-Dichloroethene	U		0.188	0.500	1	09/19/2017 18:06	WG1021889
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/19/2017 18:06	WG1021889
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/19/2017 18:06	WG1021889
1,2-Dichloropropane	U		0.190	0.500	1	09/19/2017 18:06	WG1021889
1,1-Dichloropropene	U		0.128	0.500	1	09/19/2017 18:06	WG1021889
1,3-Dichloropropane	U		0.147	1.00	1	09/19/2017 18:06	WG1021889
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/19/2017 18:06	WG1021889
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/19/2017 18:06	WG1021889
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/23/2017 16:42	WG1021889
2,2-Dichloropropane	U		0.0929	0.500	1	09/19/2017 18:06	WG1021889
Di-isopropyl ether	U		0.0924	0.500	1	09/19/2017 18:06	WG1021889
Ethylbenzene	U		0.158	0.500	1	09/19/2017 18:06	WG1021889
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/19/2017 18:06	WG1021889
2-Hexanone	U		0.757	5.00	1	09/19/2017 18:06	WG1021889
n-Hexane	0.707 J	J	0.305	5.00	1	09/19/2017 18:06	WG1021889
Iodomethane	U		0.377	10.0	1	09/19/2017 18:06	WG1021889
Isopropylbenzene	U		0.126	0.500	1	09/19/2017 18:06	WG1021889
p-Isopropyltoluene	U		0.138	0.500	1	09/19/2017 18:06	WG1021889
2-Butanone (MEK)	1.50 J	J	1.28	5.00	1	09/19/2017 18:06	WG1021889
Methylene Chloride	U		1.07	2.50	1	09/19/2017 18:06	WG1021889
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/19/2017 18:06	WG1021889
Methyl tert-butyl ether	U		0.102	0.500	1	09/19/2017 18:06	WG1021889
Naphthalene	U		0.174	2.50	1	09/19/2017 18:06	WG1021889
n-Propylbenzene	U		0.162	0.500	1	09/19/2017 18:06	WG1021889
Styrene	U		0.117	0.500	1	09/19/2017 18:06	WG1021889
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/19/2017 18:06	WG1021889
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/19/2017 18:06	WG1021889

JC 10/16/17

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/19/2017 18:06	WG1021889
Tetrachloroethene	U		0.199	0.500	1	09/19/2017 18:06	WG1021889
Toluene	10.4		0.412	0.500	1	09/19/2017 18:06	WG1021889
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/19/2017 18:06	WG1021889
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/19/2017 18:06	WG1021889
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/19/2017 18:06	WG1021889
1,1,2-Trichloroethane	U		0.186	0.500	1	09/19/2017 18:06	WG1021889
Trichloroethene	U		0.153	0.500	1	09/19/2017 18:06	WG1021889
Trichlorofluoromethane	U		0.130	2.50	1	09/19/2017 18:06	WG1021889
1,2,3-Trichloropropane	U		0.247	2.50	1	09/19/2017 18:06	WG1021889
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/19/2017 18:06	WG1021889
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/19/2017 18:06	WG1021889
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/19/2017 18:06	WG1021889
Vinyl acetate	U		0.645	5.00	1	09/19/2017 18:06	WG1021889
Vinyl chloride	U		0.118	0.500	1	09/19/2017 18:06	WG1021889
Xylenes, Total	U		0.316	1.50	1	09/19/2017 18:06	WG1021889
(S) Toluene-d8	*104*			*80.0-120*		*09/23/2017 16:42*	WG1021889
(S) Toluene-d8	*103*			*80.0-120*		*09/19/2017 18:06*	WG1021889
(S) Dibromofluoromethane	*97.7*			*76.0-123*		*09/23/2017 16:42*	WG1021889
(S) Dibromofluoromethane	*98.0*			*76.0-123*		*09/19/2017 18:06*	WG1021889
(S) 4-Bromofluorobenzene	*95.2*			*80.0-120*		*09/19/2017 18:06*	WG1021889
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*09/23/2017 16:42*	WG1021889

JC 10/16/17

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	B J	1.05	25.0	1	09/19/2017 12:20	WG1021889
Acrylonitrile	U		0.873	5.00	1	09/19/2017 12:20	WG1021889
Benzene	U		0.0896	0.500	1	09/19/2017 12:20	WG1021889
Bromobenzene	U		0.133	0.500	1	09/19/2017 12:20	WG1021889
Bromodichloromethane	U		0.0800	0.500	1	09/19/2017 12:20	WG1021889
Bromochloromethane	U		0.145	0.500	1	09/19/2017 12:20	WG1021889
Bromoform	U		0.186	0.500	1	09/19/2017 12:20	WG1021889
Bromomethane	U		0.157	2.50	1	09/19/2017 12:20	WG1021889
n-Butylbenzene	U		0.143	0.500	1	09/19/2017 12:20	WG1021889
sec-Butylbenzene	U		0.134	0.500	1	09/19/2017 12:20	WG1021889
tert-Butylbenzene	U		0.183	0.500	1	09/19/2017 12:20	WG1021889
Carbon disulfide	U		0.101	0.500	1	09/19/2017 12:20	WG1021889
Carbon tetrachloride	U		0.159	0.500	1	09/19/2017 12:20	WG1021889
Chlorobenzene	U		0.140	0.500	1	09/19/2017 12:20	WG1021889
Chlorodibromomethane	U		0.128	0.500	1	09/19/2017 12:20	WG1021889
Chloroethane	U		0.141	2.50	1	09/19/2017 12:20	WG1021889
Chloroform	U		0.0860	0.500	1	09/19/2017 12:20	WG1021889
Chloromethane	U		0.153	1.25	1	09/19/2017 12:20	WG1021889
2-Chlorotoluene	U		0.111	0.500	1	09/19/2017 12:20	WG1021889
4-Chlorotoluene	U		0.0972	0.500	1	09/19/2017 12:20	WG1021889
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/19/2017 12:20	WG1021889
1,2-Dibromoethane	U		0.193	0.500	1	09/19/2017 12:20	WG1021889
Dibromomethane	U		0.117	0.500	1	09/19/2017 12:20	WG1021889
1,2-Dichlorobenzene	U		0.101	0.500	1	09/19/2017 12:20	WG1021889
1,3-Dichlorobenzene	U		0.130	0.500	1	09/19/2017 12:20	WG1021889
1,4-Dichlorobenzene	U		0.121	0.500	1	09/19/2017 12:20	WG1021889
Dichlorodifluoromethane	U		0.127	2.50	1	09/19/2017 12:20	WG1021889
1,1-Dichloroethane	U		0.114	0.500	1	09/19/2017 12:20	WG1021889
1,2-Dichloroethane	U		0.108	0.500	1	09/19/2017 12:20	WG1021889
1,1-Dichloroethene	U		0.188	0.500	1	09/19/2017 12:20	WG1021889
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/19/2017 12:20	WG1021889
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/19/2017 12:20	WG1021889
1,2-Dichloropropane	U		0.190	0.500	1	09/19/2017 12:20	WG1021889
1,1-Dichloropropene	U		0.128	0.500	1	09/19/2017 12:20	WG1021889
1,3-Dichloropropane	U		0.147	1.00	1	09/19/2017 12:20	WG1021889
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/19/2017 12:20	WG1021889
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/19/2017 12:20	WG1021889
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/23/2017 17:21	WG1021889
2,2-Dichloropropane	U		0.0929	0.500	1	09/19/2017 12:20	WG1021889
Di-isopropyl ether	U		0.0924	0.500	1	09/19/2017 12:20	WG1021889
Ethylbenzene	U		0.158	0.500	1	09/19/2017 12:20	WG1021889
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/19/2017 12:20	WG1021889
2-Hexanone	U		0.757	5.00	1	09/19/2017 12:20	WG1021889
n-Hexane	U		0.305	5.00	1	09/19/2017 12:20	WG1021889
Iodomethane	U		0.377	10.0	1	09/19/2017 12:20	WG1021889
Isopropylbenzene	U		0.126	0.500	1	09/19/2017 12:20	WG1021889
p-Isopropyltoluene	U		0.138	0.500	1	09/19/2017 12:20	WG1021889
2-Butanone (MEK)	U		1.28	5.00	1	09/19/2017 12:20	WG1021889
Methylene Chloride	U		1.07	2.50	1	09/19/2017 12:20	WG1021889
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/19/2017 12:20	WG1021889
Methyl tert-butyl ether	U		0.102	0.500	1	09/19/2017 12:20	WG1021889
Naphthalene	U		0.174	2.50	1	09/19/2017 12:20	WG1021889
n-Propylbenzene	U		0.162	0.500	1	09/19/2017 12:20	WG1021889
Styrene	U		0.117	0.500	1	09/19/2017 12:20	WG1021889
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/19/2017 12:20	WG1021889
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/19/2017 12:20	WG1021889

JC 10/16/17

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/19/2017 12:20	WG1021889
Tetrachloroethene	U		0.199	0.500	1	09/19/2017 12:20	WG1021889
Toluene	U		0.412	0.500	1	09/19/2017 12:20	WG1021889
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/19/2017 12:20	WG1021889
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/19/2017 12:20	WG1021889
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/19/2017 12:20	WG1021889
1,1,2-Trichloroethane	U		0.186	0.500	1	09/19/2017 12:20	WG1021889
Trichloroethene	U		0.153	0.500	1	09/19/2017 12:20	WG1021889
Trichlorofluoromethane	U		0.130	2.50	1	09/19/2017 12:20	WG1021889
1,2,3-Trichloropropane	U		0.247	2.50	1	09/19/2017 12:20	WG1021889
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/19/2017 12:20	WG1021889
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/19/2017 12:20	WG1021889
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/19/2017 12:20	WG1021889
Vinyl acetate	U		0.645	5.00	1	09/19/2017 12:20	WG1021889
Vinyl chloride	U		0.118	0.500	1	09/19/2017 12:20	WG1021889
Xylenes, Total	U		0.316	1.50	1	09/19/2017 12:20	WG1021889
(S) Toluene-d8	*103*			*80.0-120*		*09/23/2017 17:21*	WG1021889
(S) Toluene-d8	*104*			*80.0-120*		*09/19/2017 12:20*	WG1021889
(S) Dibromofluoromethane	*99.9*			*76.0-123*		*09/23/2017 17:21*	WG1021889
(S) Dibromofluoromethane	*99.7*			*76.0-123*		*09/19/2017 12:20*	WG1021889
(S) 4-Bromofluorobenzene	*98.3*			*80.0-120*		*09/23/2017 17:21*	WG1021889
(S) 4-Bromofluorobenzene	*91.8*			*80.0-120*		*09/19/2017 12:20*	WG1021889

JC 10/16/17

Bill Haldeman

From: J Compeau <Informa_LLC@comcast.net>
Sent: Tuesday, October 17, 2017 9:47 AM
To: Bill Haldeman
Subject: FW: American Linen L937125

Communication for your records. The footnote seemed a little cryptic.

Thanks

Jessie

From: Brian Ford [mailto:BFord@esclabsciences.com]
Sent: Monday, October 16, 2017 2:59 PM
To: 'J Compeau'
Subject: RE: American Linen L937125

Jessie,

We received (2) low level sodium bisulfite preserved vials per sample. In this case, one of the vials for each sample had >7.5g of soil and was therefore unusable. This can be caused by dense matrix, soil extending beyond the sample T and not removed prior to addition to vials, or adding more than one plug of soil to the vial. The plug of soil should weigh about 5g.

These two compounds were not reportable from the initial 1x analysis due to failing CCV/RL checks, and had to be reanalyzed from the high level MeOH preserved vial. Let me know if you need any additional information.

Thanks,

Brian Ford
Technical Service Representative
ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772 | Cell 931.510.2229
bford@esclabsciences.com | www.esclabsciences.com

From: J Compeau [mailto:Informa_LLC@comcast.net]
Sent: Monday, October 16, 2017 4:44 PM
To: Brian Ford
Subject: American Linen L937125

Hello,

Can you please elaborate on footnotes for ESC SDG L937125-01 and 07? Elevated RL Bisulfate vials overweight, reported from ME0H. The elevated RL only applies to two compounds (trans-1,4-dichloro-2-butene and tetrachloroethene).

Thanks!

Jessie

ANALYTICAL REPORT

September 27, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L937802
Samples Received:	09/20/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	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.

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MW-141-15 L937802-01 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	09/18/17 09:05	09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023602	1	09/25/17 11:41	09/25/17 12:05	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023207	1	09/18/17 09:05	09/21/17 20:18	JHH

MW-141-35 L937802-02 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	09/18/17 10:15	09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023602	1	09/25/17 11:41	09/25/17 12:05	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023207	1	09/18/17 10:15	09/21/17 20:36	JHH

MW-141-46 L937802-03 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	09/18/17 10:35	09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023602	1	09/25/17 11:41	09/25/17 12:05	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023207	1	09/18/17 10:35	09/21/17 20:53	JHH

MW-141-56 L937802-04 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	09/18/17 11:25	09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023602	1	09/25/17 11:41	09/25/17 12:05	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023207	1	09/18/17 11:25	09/21/17 21:11	JHH

MW-141-65 L937802-05 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	09/18/17 11:50	09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023603	1	09/25/17 12:08	09/25/17 12:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023207	1	09/18/17 11:50	09/21/17 21:28	JHH

MW-141-75 L937802-06 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	09/18/17 14:20	09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023603	1	09/25/17 12:08	09/25/17 12:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023207	1	09/18/17 14:20	09/21/17 21:45	JHH

MW-141-85 L937802-07 Solid

Collected by	Collected date/time	Received date/time
Shannon McKernan	09/18/17 15:05	09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023603	1	09/25/17 12:08	09/25/17 12:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023207	1	09/18/17 15:05	09/26/17 16:13	BMB

MW-141-95 L937802-08 Solid

Collected by: Shannon McKernan
Collected date/time: 09/18/17 16:05
Received date/time: 09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023603	1	09/25/17 12:08	09/25/17 12:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023207	1	09/18/17 16:05	09/21/17 22:20	JHH

MW-141-105 L937802-09 Solid

Collected by: Shannon McKernan
Collected date/time: 09/19/17 08:45
Received date/time: 09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023603	1	09/25/17 12:08	09/25/17 12:28	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023207	1	09/19/17 08:45	09/21/17 22:38	JHH

MW-141-105-W L937802-10 GW

Collected by: Shannon McKernan
Collected date/time: 09/19/17 09:00
Received date/time: 09/20/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023529	1	09/22/17 15:09	09/22/17 15:09	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	88.6		1	09/25/2017 12:05	WG1023602

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.382	J0 J3	0.0113	0.0564	1	09/21/2017 20:18	WG1023207
Acrylonitrile	U		0.00202	0.0113	1	09/21/2017 20:18	WG1023207
Benzene	U		0.000305	0.00113	1	09/21/2017 20:18	WG1023207
Bromobenzene	U		0.000320	0.00113	1	09/21/2017 20:18	WG1023207
Bromodichloromethane	U		0.000287	0.00113	1	09/21/2017 20:18	WG1023207
Bromochloromethane	U		0.000440	0.00564	1	09/21/2017 20:18	WG1023207
Bromoform	U		0.000478	0.00113	1	09/21/2017 20:18	WG1023207
Bromomethane	U		0.00151	0.00564	1	09/21/2017 20:18	WG1023207
n-Butylbenzene	U		0.000291	0.00113	1	09/21/2017 20:18	WG1023207
sec-Butylbenzene	U		0.000227	0.00113	1	09/21/2017 20:18	WG1023207
tert-Butylbenzene	U		0.000232	0.00113	1	09/21/2017 20:18	WG1023207
Carbon disulfide	U		0.000249	0.00113	1	09/21/2017 20:18	WG1023207
Carbon tetrachloride	U		0.000370	0.00113	1	09/21/2017 20:18	WG1023207
Chlorobenzene	U		0.000239	0.00113	1	09/21/2017 20:18	WG1023207
Chlorodibromomethane	U		0.000421	0.00113	1	09/21/2017 20:18	WG1023207
Chloroethane	U		0.00107	0.00564	1	09/21/2017 20:18	WG1023207
Chloroform	U		0.000258	0.00564	1	09/21/2017 20:18	WG1023207
Chloromethane	U		0.000423	0.00282	1	09/21/2017 20:18	WG1023207
2-Chlorotoluene	U		0.000340	0.00113	1	09/21/2017 20:18	WG1023207
4-Chlorotoluene	U		0.000271	0.00113	1	09/21/2017 20:18	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	09/21/2017 20:18	WG1023207
1,2-Dibromoethane	U		0.000387	0.00113	1	09/21/2017 20:18	WG1023207
Dibromomethane	U		0.000431	0.00113	1	09/21/2017 20:18	WG1023207
1,2-Dichlorobenzene	U		0.000344	0.00113	1	09/21/2017 20:18	WG1023207
1,3-Dichlorobenzene	U		0.000270	0.00113	1	09/21/2017 20:18	WG1023207
1,4-Dichlorobenzene	U		0.000255	0.00113	1	09/21/2017 20:18	WG1023207
Dichlorodifluoromethane	U		0.000804	0.00564	1	09/21/2017 20:18	WG1023207
1,1-Dichloroethane	U		0.000224	0.00113	1	09/21/2017 20:18	WG1023207
1,2-Dichloroethane	U		0.000299	0.00113	1	09/21/2017 20:18	WG1023207
1,1-Dichloroethene	U		0.000342	0.00113	1	09/21/2017 20:18	WG1023207
cis-1,2-Dichloroethene	0.00128		0.000265	0.00113	1	09/21/2017 20:18	WG1023207
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	09/21/2017 20:18	WG1023207
1,2-Dichloropropane	U		0.000404	0.00113	1	09/21/2017 20:18	WG1023207
1,1-Dichloropropene	U		0.000358	0.00113	1	09/21/2017 20:18	WG1023207
1,3-Dichloropropane	U		0.000234	0.00113	1	09/21/2017 20:18	WG1023207
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	09/21/2017 20:18	WG1023207
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	09/21/2017 20:18	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	09/21/2017 20:18	WG1023207
2,2-Dichloropropane	U		0.000315	0.00113	1	09/21/2017 20:18	WG1023207
Di-isopropyl ether	U		0.000280	0.00113	1	09/21/2017 20:18	WG1023207
Ethylbenzene	U		0.000335	0.00113	1	09/21/2017 20:18	WG1023207
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	09/21/2017 20:18	WG1023207
2-Hexanone	U	J0	0.00155	0.0113	1	09/21/2017 20:18	WG1023207
n-Hexane	U		0.000327	0.0113	1	09/21/2017 20:18	WG1023207
Iodomethane	U		0.00285	0.0113	1	09/21/2017 20:18	WG1023207
Isopropylbenzene	U		0.000274	0.00113	1	09/21/2017 20:18	WG1023207
p-Isopropyltoluene	U		0.000230	0.00113	1	09/21/2017 20:18	WG1023207
2-Butanone (MEK)	0.179	J0 J3	0.00528	0.0113	1	09/21/2017 20:18	WG1023207
Methylene Chloride	U		0.00113	0.00564	1	09/21/2017 20:18	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	09/21/2017 20:18	WG1023207

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

Analyte	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	09/21/2017 20:18	WG1023207
Naphthalene	U		0.00113	0.00564	1	09/21/2017 20:18	WG1023207
n-Propylbenzene	U		0.000232	0.00113	1	09/21/2017 20:18	WG1023207
Styrene	U		0.000264	0.00113	1	09/21/2017 20:18	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	09/21/2017 20:18	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	09/21/2017 20:18	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	09/21/2017 20:18	WG1023207
Tetrachloroethene	U		0.000311	0.00113	1	09/21/2017 20:18	WG1023207
Toluene	U		0.000490	0.00564	1	09/21/2017 20:18	WG1023207
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	09/21/2017 20:18	WG1023207
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	09/21/2017 20:18	WG1023207
1,1,1-Trichloroethane	U		0.000323	0.00113	1	09/21/2017 20:18	WG1023207
1,1,2-Trichloroethane	U		0.000312	0.00113	1	09/21/2017 20:18	WG1023207
Trichloroethene	U		0.000315	0.00113	1	09/21/2017 20:18	WG1023207
Trichlorofluoromethane	U		0.000431	0.00564	1	09/21/2017 20:18	WG1023207
1,2,3-Trichloropropane	U		0.000836	0.00282	1	09/21/2017 20:18	WG1023207
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	09/21/2017 20:18	WG1023207
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	09/21/2017 20:18	WG1023207
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	09/21/2017 20:18	WG1023207
Vinyl acetate	U		0.00270	0.0113	1	09/21/2017 20:18	WG1023207
Vinyl chloride	0.000388	J	0.000328	0.00113	1	09/21/2017 20:18	WG1023207
Xylenes, Total	U		0.000787	0.00338	1	09/21/2017 20:18	WG1023207
(S) Toluene-d8	*96.0*			*80.0-120*		*09/21/2017 20:18*	WG1023207
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/21/2017 20:18*	WG1023207
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/21/2017 20:18*	WG1023207

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	09/25/2017 12:05	WG1023602

Volatile Organic Compounds (GC/MS) 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 J3	0.0116	0.0580	1	09/21/2017 20:36	WG1023207
Acrylonitrile	U		0.00208	0.0116	1	09/21/2017 20:36	WG1023207
Benzene	U		0.000313	0.00116	1	09/21/2017 20:36	WG1023207
Bromobenzene	U		0.000330	0.00116	1	09/21/2017 20:36	WG1023207
Bromodichloromethane	U		0.000295	0.00116	1	09/21/2017 20:36	WG1023207
Bromochloromethane	U		0.000452	0.00580	1	09/21/2017 20:36	WG1023207
Bromoform	U		0.000492	0.00116	1	09/21/2017 20:36	WG1023207
Bromomethane	U		0.00155	0.00580	1	09/21/2017 20:36	WG1023207
n-Butylbenzene	U		0.000299	0.00116	1	09/21/2017 20:36	WG1023207
sec-Butylbenzene	U		0.000233	0.00116	1	09/21/2017 20:36	WG1023207
tert-Butylbenzene	U		0.000239	0.00116	1	09/21/2017 20:36	WG1023207
Carbon disulfide	0.000351	J	0.000256	0.00116	1	09/21/2017 20:36	WG1023207
Carbon tetrachloride	U		0.000381	0.00116	1	09/21/2017 20:36	WG1023207
Chlorobenzene	U		0.000246	0.00116	1	09/21/2017 20:36	WG1023207
Chlorodibromomethane	U		0.000433	0.00116	1	09/21/2017 20:36	WG1023207
Chloroethane	U		0.00110	0.00580	1	09/21/2017 20:36	WG1023207
Chloroform	U		0.000266	0.00580	1	09/21/2017 20:36	WG1023207
Chloromethane	U		0.000435	0.00290	1	09/21/2017 20:36	WG1023207
2-Chlorotoluene	U		0.000349	0.00116	1	09/21/2017 20:36	WG1023207
4-Chlorotoluene	U		0.000278	0.00116	1	09/21/2017 20:36	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	09/21/2017 20:36	WG1023207
1,2-Dibromoethane	U		0.000398	0.00116	1	09/21/2017 20:36	WG1023207
Dibromomethane	U		0.000443	0.00116	1	09/21/2017 20:36	WG1023207
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/21/2017 20:36	WG1023207
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/21/2017 20:36	WG1023207
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/21/2017 20:36	WG1023207
Dichlorodifluoromethane	U		0.000827	0.00580	1	09/21/2017 20:36	WG1023207
1,1-Dichloroethane	U		0.000231	0.00116	1	09/21/2017 20:36	WG1023207
1,2-Dichloroethane	U		0.000307	0.00116	1	09/21/2017 20:36	WG1023207
1,1-Dichloroethene	U		0.000352	0.00116	1	09/21/2017 20:36	WG1023207
cis-1,2-Dichloroethene	0.000473	J	0.000273	0.00116	1	09/21/2017 20:36	WG1023207
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/21/2017 20:36	WG1023207
1,2-Dichloropropane	U		0.000415	0.00116	1	09/21/2017 20:36	WG1023207
1,1-Dichloropropene	U		0.000368	0.00116	1	09/21/2017 20:36	WG1023207
1,3-Dichloropropane	U		0.000240	0.00116	1	09/21/2017 20:36	WG1023207
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/21/2017 20:36	WG1023207
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/21/2017 20:36	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	09/21/2017 20:36	WG1023207
2,2-Dichloropropane	U		0.000324	0.00116	1	09/21/2017 20:36	WG1023207
Di-isopropyl ether	U		0.000288	0.00116	1	09/21/2017 20:36	WG1023207
Ethylbenzene	U		0.000345	0.00116	1	09/21/2017 20:36	WG1023207
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/21/2017 20:36	WG1023207
2-Hexanone	U	J0	0.00159	0.0116	1	09/21/2017 20:36	WG1023207
n-Hexane	0.000542	J	0.000336	0.0116	1	09/21/2017 20:36	WG1023207
Iodomethane	U		0.00294	0.0116	1	09/21/2017 20:36	WG1023207
Isopropylbenzene	U		0.000282	0.00116	1	09/21/2017 20:36	WG1023207
p-Isopropyltoluene	U		0.000237	0.00116	1	09/21/2017 20:36	WG1023207
2-Butanone (MEK)	U	J0 J3	0.00543	0.0116	1	09/21/2017 20:36	WG1023207
Methylene Chloride	U		0.00116	0.00580	1	09/21/2017 20:36	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/21/2017 20:36	WG1023207

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

Analyte	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	09/21/2017 20:36	WG1023207
Naphthalene	U		0.00116	0.00580	1	09/21/2017 20:36	WG1023207
n-Propylbenzene	U		0.000239	0.00116	1	09/21/2017 20:36	WG1023207
Styrene	U		0.000271	0.00116	1	09/21/2017 20:36	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/21/2017 20:36	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/21/2017 20:36	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/21/2017 20:36	WG1023207
Tetrachloroethene	U		0.000320	0.00116	1	09/21/2017 20:36	WG1023207
Toluene	U		0.000504	0.00580	1	09/21/2017 20:36	WG1023207
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/21/2017 20:36	WG1023207
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/21/2017 20:36	WG1023207
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/21/2017 20:36	WG1023207
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/21/2017 20:36	WG1023207
Trichloroethene	U		0.000324	0.00116	1	09/21/2017 20:36	WG1023207
Trichlorofluoromethane	U		0.000443	0.00580	1	09/21/2017 20:36	WG1023207
1,2,3-Trichloropropane	U		0.000860	0.00290	1	09/21/2017 20:36	WG1023207
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/21/2017 20:36	WG1023207
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/21/2017 20:36	WG1023207
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/21/2017 20:36	WG1023207
Vinyl acetate	U		0.00277	0.0116	1	09/21/2017 20:36	WG1023207
Vinyl chloride	U		0.000338	0.00116	1	09/21/2017 20:36	WG1023207
Xylenes, Total	U		0.000810	0.00348	1	09/21/2017 20:36	WG1023207
(S) Toluene-d8	*94.0*			*80.0-120*		*09/21/2017 20:36*	WG1023207
(S) Dibromofluoromethane	*119*			*74.0-131*		*09/21/2017 20:36*	WG1023207
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/21/2017 20:36*	WG1023207

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/25/2017 12:05	WG1023602

Volatile Organic Compounds (GC/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 J0 J3	0.0109	0.0547	1	09/21/2017 20:53	WG1023207
Acrylonitrile	U		0.00196	0.0109	1	09/21/2017 20:53	WG1023207
Benzene	U		0.000295	0.00109	1	09/21/2017 20:53	WG1023207
Bromobenzene	U		0.000311	0.00109	1	09/21/2017 20:53	WG1023207
Bromodichloromethane	U		0.000278	0.00109	1	09/21/2017 20:53	WG1023207
Bromochloromethane	U		0.000426	0.00547	1	09/21/2017 20:53	WG1023207
Bromoform	U		0.000464	0.00109	1	09/21/2017 20:53	WG1023207
Bromomethane	U		0.00147	0.00547	1	09/21/2017 20:53	WG1023207
n-Butylbenzene	U		0.000282	0.00109	1	09/21/2017 20:53	WG1023207
sec-Butylbenzene	U		0.000220	0.00109	1	09/21/2017 20:53	WG1023207
tert-Butylbenzene	U		0.000225	0.00109	1	09/21/2017 20:53	WG1023207
Carbon disulfide	0.00126		0.000242	0.00109	1	09/21/2017 20:53	WG1023207
Carbon tetrachloride	U		0.000359	0.00109	1	09/21/2017 20:53	WG1023207
Chlorobenzene	U		0.000232	0.00109	1	09/21/2017 20:53	WG1023207
Chlorodibromomethane	U		0.000408	0.00109	1	09/21/2017 20:53	WG1023207
Chloroethane	U		0.00103	0.00547	1	09/21/2017 20:53	WG1023207
Chloroform	U		0.000250	0.00547	1	09/21/2017 20:53	WG1023207
Chloromethane	U		0.000410	0.00273	1	09/21/2017 20:53	WG1023207
2-Chlorotoluene	U		0.000329	0.00109	1	09/21/2017 20:53	WG1023207
4-Chlorotoluene	U		0.000262	0.00109	1	09/21/2017 20:53	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	09/21/2017 20:53	WG1023207
1,2-Dibromoethane	U		0.000375	0.00109	1	09/21/2017 20:53	WG1023207
Dibromomethane	U		0.000418	0.00109	1	09/21/2017 20:53	WG1023207
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/21/2017 20:53	WG1023207
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/21/2017 20:53	WG1023207
1,4-Dichlorobenzene	U		0.000247	0.00109	1	09/21/2017 20:53	WG1023207
Dichlorodifluoromethane	U		0.000780	0.00547	1	09/21/2017 20:53	WG1023207
1,1-Dichloroethane	U		0.000218	0.00109	1	09/21/2017 20:53	WG1023207
1,2-Dichloroethane	U		0.000290	0.00109	1	09/21/2017 20:53	WG1023207
1,1-Dichloroethene	U		0.000331	0.00109	1	09/21/2017 20:53	WG1023207
cis-1,2-Dichloroethene	0.00329		0.000257	0.00109	1	09/21/2017 20:53	WG1023207
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	09/21/2017 20:53	WG1023207
1,2-Dichloropropane	U		0.000391	0.00109	1	09/21/2017 20:53	WG1023207
1,1-Dichloropropene	U		0.000347	0.00109	1	09/21/2017 20:53	WG1023207
1,3-Dichloropropane	U		0.000226	0.00109	1	09/21/2017 20:53	WG1023207
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/21/2017 20:53	WG1023207
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	09/21/2017 20:53	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	09/21/2017 20:53	WG1023207
2,2-Dichloropropane	U		0.000305	0.00109	1	09/21/2017 20:53	WG1023207
Di-isopropyl ether	U		0.000271	0.00109	1	09/21/2017 20:53	WG1023207
Ethylbenzene	U		0.000325	0.00109	1	09/21/2017 20:53	WG1023207
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	09/21/2017 20:53	WG1023207
2-Hexanone	U	J0	0.00150	0.0109	1	09/21/2017 20:53	WG1023207
n-Hexane	0.00427	J	0.000317	0.0109	1	09/21/2017 20:53	WG1023207
Iodomethane	U		0.00277	0.0109	1	09/21/2017 20:53	WG1023207
Isopropylbenzene	U		0.000266	0.00109	1	09/21/2017 20:53	WG1023207
p-Isopropyltoluene	U		0.000223	0.00109	1	09/21/2017 20:53	WG1023207
2-Butanone (MEK)	U	J0 J3	0.00512	0.0109	1	09/21/2017 20:53	WG1023207
Methylene Chloride	U		0.00109	0.00547	1	09/21/2017 20:53	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	09/21/2017 20:53	WG1023207

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

Analyte	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	09/21/2017 20:53	WG1023207
Naphthalene	U		0.00109	0.00547	1	09/21/2017 20:53	WG1023207
n-Propylbenzene	U		0.000225	0.00109	1	09/21/2017 20:53	WG1023207
Styrene	U		0.000256	0.00109	1	09/21/2017 20:53	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	09/21/2017 20:53	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	09/21/2017 20:53	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	09/21/2017 20:53	WG1023207
Tetrachloroethene	0.000357	J	0.000302	0.00109	1	09/21/2017 20:53	WG1023207
Toluene	U		0.000475	0.00547	1	09/21/2017 20:53	WG1023207
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	09/21/2017 20:53	WG1023207
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	09/21/2017 20:53	WG1023207
1,1,1-Trichloroethane	U		0.000313	0.00109	1	09/21/2017 20:53	WG1023207
1,1,2-Trichloroethane	U		0.000303	0.00109	1	09/21/2017 20:53	WG1023207
Trichloroethene	0.000424	J	0.000305	0.00109	1	09/21/2017 20:53	WG1023207
Trichlorofluoromethane	U		0.000418	0.00547	1	09/21/2017 20:53	WG1023207
1,2,3-Trichloropropane	U		0.000810	0.00273	1	09/21/2017 20:53	WG1023207
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	09/21/2017 20:53	WG1023207
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	09/21/2017 20:53	WG1023207
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	09/21/2017 20:53	WG1023207
Vinyl acetate	U		0.00261	0.0109	1	09/21/2017 20:53	WG1023207
Vinyl chloride	0.00194		0.000318	0.00109	1	09/21/2017 20:53	WG1023207
Xylenes, Total	U		0.000763	0.00328	1	09/21/2017 20:53	WG1023207
(S) Toluene-d8	*93.8*			*80.0-120*		*09/21/2017 20:53*	WG1023207
(S) Dibromofluoromethane	*116*			*74.0-131*		*09/21/2017 20:53*	WG1023207
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/21/2017 20:53*	WG1023207

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	09/25/2017 12:05	WG1023602

Volatile Organic Compounds (GC/MS) 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 J3	0.0106	0.0532	1	09/21/2017 21:11	WG1023207
Acrylonitrile	U		0.00190	0.0106	1	09/21/2017 21:11	WG1023207
Benzene	U		0.000287	0.00106	1	09/21/2017 21:11	WG1023207
Bromobenzene	U		0.000302	0.00106	1	09/21/2017 21:11	WG1023207
Bromodichloromethane	U		0.000270	0.00106	1	09/21/2017 21:11	WG1023207
Bromochloromethane	U		0.000415	0.00532	1	09/21/2017 21:11	WG1023207
Bromoform	U		0.000451	0.00106	1	09/21/2017 21:11	WG1023207
Bromomethane	U		0.00143	0.00532	1	09/21/2017 21:11	WG1023207
n-Butylbenzene	U		0.000274	0.00106	1	09/21/2017 21:11	WG1023207
sec-Butylbenzene	U		0.000214	0.00106	1	09/21/2017 21:11	WG1023207
tert-Butylbenzene	U		0.000219	0.00106	1	09/21/2017 21:11	WG1023207
Carbon disulfide	0.000836	J	0.000235	0.00106	1	09/21/2017 21:11	WG1023207
Carbon tetrachloride	U		0.000349	0.00106	1	09/21/2017 21:11	WG1023207
Chlorobenzene	U		0.000226	0.00106	1	09/21/2017 21:11	WG1023207
Chlorodibromomethane	U		0.000397	0.00106	1	09/21/2017 21:11	WG1023207
Chloroethane	U		0.00101	0.00532	1	09/21/2017 21:11	WG1023207
Chloroform	U		0.000244	0.00532	1	09/21/2017 21:11	WG1023207
Chloromethane	U		0.000399	0.00266	1	09/21/2017 21:11	WG1023207
2-Chlorotoluene	U		0.000320	0.00106	1	09/21/2017 21:11	WG1023207
4-Chlorotoluene	U		0.000255	0.00106	1	09/21/2017 21:11	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00532	1	09/21/2017 21:11	WG1023207
1,2-Dibromoethane	U		0.000365	0.00106	1	09/21/2017 21:11	WG1023207
Dibromomethane	U		0.000406	0.00106	1	09/21/2017 21:11	WG1023207
1,2-Dichlorobenzene	U		0.000324	0.00106	1	09/21/2017 21:11	WG1023207
1,3-Dichlorobenzene	U		0.000254	0.00106	1	09/21/2017 21:11	WG1023207
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/21/2017 21:11	WG1023207
Dichlorodifluoromethane	U		0.000758	0.00532	1	09/21/2017 21:11	WG1023207
1,1-Dichloroethane	U		0.000212	0.00106	1	09/21/2017 21:11	WG1023207
1,2-Dichloroethane	U		0.000282	0.00106	1	09/21/2017 21:11	WG1023207
1,1-Dichloroethene	U		0.000322	0.00106	1	09/21/2017 21:11	WG1023207
cis-1,2-Dichloroethene	0.000474	J	0.000250	0.00106	1	09/21/2017 21:11	WG1023207
trans-1,2-Dichloroethene	U		0.000281	0.00106	1	09/21/2017 21:11	WG1023207
1,2-Dichloropropane	U		0.000381	0.00106	1	09/21/2017 21:11	WG1023207
1,1-Dichloropropene	U		0.000337	0.00106	1	09/21/2017 21:11	WG1023207
1,3-Dichloropropane	U		0.000220	0.00106	1	09/21/2017 21:11	WG1023207
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	09/21/2017 21:11	WG1023207
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	09/21/2017 21:11	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000828	0.00266	1	09/21/2017 21:11	WG1023207
2,2-Dichloropropane	U		0.000297	0.00106	1	09/21/2017 21:11	WG1023207
Di-isopropyl ether	U		0.000264	0.00106	1	09/21/2017 21:11	WG1023207
Ethylbenzene	U		0.000316	0.00106	1	09/21/2017 21:11	WG1023207
Hexachloro-1,3-butadiene	U		0.000364	0.00106	1	09/21/2017 21:11	WG1023207
2-Hexanone	U	J0	0.00146	0.0106	1	09/21/2017 21:11	WG1023207
n-Hexane	0.00226	J	0.000308	0.0106	1	09/21/2017 21:11	WG1023207
Iodomethane	U		0.00269	0.0106	1	09/21/2017 21:11	WG1023207
Isopropylbenzene	U		0.000258	0.00106	1	09/21/2017 21:11	WG1023207
p-Isopropyltoluene	U		0.000217	0.00106	1	09/21/2017 21:11	WG1023207
2-Butanone (MEK)	U	J0 J3	0.00498	0.0106	1	09/21/2017 21:11	WG1023207
Methylene Chloride	U		0.00106	0.00532	1	09/21/2017 21:11	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	09/21/2017 21:11	WG1023207

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00106	1	09/21/2017 21:11	WG1023207
Naphthalene	U		0.00106	0.00532	1	09/21/2017 21:11	WG1023207
n-Propylbenzene	U		0.000219	0.00106	1	09/21/2017 21:11	WG1023207
Styrene	U		0.000249	0.00106	1	09/21/2017 21:11	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	09/21/2017 21:11	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	09/21/2017 21:11	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	09/21/2017 21:11	WG1023207
Tetrachloroethene	U		0.000294	0.00106	1	09/21/2017 21:11	WG1023207
Toluene	U		0.000462	0.00532	1	09/21/2017 21:11	WG1023207
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	09/21/2017 21:11	WG1023207
1,2,4-Trichlorobenzene	U		0.000413	0.00106	1	09/21/2017 21:11	WG1023207
1,1,1-Trichloroethane	U		0.000304	0.00106	1	09/21/2017 21:11	WG1023207
1,1,2-Trichloroethane	U		0.000295	0.00106	1	09/21/2017 21:11	WG1023207
Trichloroethene	U		0.000297	0.00106	1	09/21/2017 21:11	WG1023207
Trichlorofluoromethane	U		0.000406	0.00532	1	09/21/2017 21:11	WG1023207
1,2,3-Trichloropropane	U		0.000788	0.00266	1	09/21/2017 21:11	WG1023207
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	09/21/2017 21:11	WG1023207
1,2,3-Trimethylbenzene	U		0.000305	0.00106	1	09/21/2017 21:11	WG1023207
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	09/21/2017 21:11	WG1023207
Vinyl acetate	U		0.00254	0.0106	1	09/21/2017 21:11	WG1023207
Vinyl chloride	U		0.000310	0.00106	1	09/21/2017 21:11	WG1023207
Xylenes, Total	U		0.000742	0.00319	1	09/21/2017 21:11	WG1023207
(S) Toluene-d8	*92.9*			*80.0-120*		*09/21/2017 21:11*	WG1023207
(S) Dibromofluoromethane	*118*			*74.0-131*		*09/21/2017 21:11*	WG1023207
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/21/2017 21:11*	WG1023207

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	09/25/2017 12:28	WG1023603

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0110	J J0 J3	0.0105	0.0526	1	09/21/2017 21:28	WG1023207
Acrylonitrile	U		0.00188	0.0105	1	09/21/2017 21:28	WG1023207
Benzene	U		0.000284	0.00105	1	09/21/2017 21:28	WG1023207
Bromobenzene	U		0.000299	0.00105	1	09/21/2017 21:28	WG1023207
Bromodichloromethane	U		0.000267	0.00105	1	09/21/2017 21:28	WG1023207
Bromochloromethane	U		0.000410	0.00526	1	09/21/2017 21:28	WG1023207
Bromoform	U		0.000446	0.00105	1	09/21/2017 21:28	WG1023207
Bromomethane	U		0.00141	0.00526	1	09/21/2017 21:28	WG1023207
n-Butylbenzene	U		0.000271	0.00105	1	09/21/2017 21:28	WG1023207
sec-Butylbenzene	U		0.000211	0.00105	1	09/21/2017 21:28	WG1023207
tert-Butylbenzene	U		0.000217	0.00105	1	09/21/2017 21:28	WG1023207
Carbon disulfide	0.000894	J	0.000232	0.00105	1	09/21/2017 21:28	WG1023207
Carbon tetrachloride	U		0.000345	0.00105	1	09/21/2017 21:28	WG1023207
Chlorobenzene	U		0.000223	0.00105	1	09/21/2017 21:28	WG1023207
Chlorodibromomethane	U		0.000392	0.00105	1	09/21/2017 21:28	WG1023207
Chloroethane	U		0.000995	0.00526	1	09/21/2017 21:28	WG1023207
Chloroform	U		0.000241	0.00526	1	09/21/2017 21:28	WG1023207
Chloromethane	U		0.000394	0.00263	1	09/21/2017 21:28	WG1023207
2-Chlorotoluene	U		0.000317	0.00105	1	09/21/2017 21:28	WG1023207
4-Chlorotoluene	U		0.000252	0.00105	1	09/21/2017 21:28	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00110	0.00526	1	09/21/2017 21:28	WG1023207
1,2-Dibromoethane	U		0.000361	0.00105	1	09/21/2017 21:28	WG1023207
Dibromomethane	U		0.000402	0.00105	1	09/21/2017 21:28	WG1023207
1,2-Dichlorobenzene	U		0.000321	0.00105	1	09/21/2017 21:28	WG1023207
1,3-Dichlorobenzene	U		0.000251	0.00105	1	09/21/2017 21:28	WG1023207
1,4-Dichlorobenzene	U		0.000238	0.00105	1	09/21/2017 21:28	WG1023207
Dichlorodifluoromethane	U		0.000750	0.00526	1	09/21/2017 21:28	WG1023207
1,1-Dichloroethane	U		0.000209	0.00105	1	09/21/2017 21:28	WG1023207
1,2-Dichloroethane	U		0.000279	0.00105	1	09/21/2017 21:28	WG1023207
1,1-Dichloroethene	U		0.000319	0.00105	1	09/21/2017 21:28	WG1023207
cis-1,2-Dichloroethene	U		0.000247	0.00105	1	09/21/2017 21:28	WG1023207
trans-1,2-Dichloroethene	U		0.000278	0.00105	1	09/21/2017 21:28	WG1023207
1,2-Dichloropropane	U		0.000377	0.00105	1	09/21/2017 21:28	WG1023207
1,1-Dichloropropene	U		0.000333	0.00105	1	09/21/2017 21:28	WG1023207
1,3-Dichloropropane	U		0.000218	0.00105	1	09/21/2017 21:28	WG1023207
cis-1,3-Dichloropropene	U		0.000276	0.00105	1	09/21/2017 21:28	WG1023207
trans-1,3-Dichloropropene	U		0.000281	0.00105	1	09/21/2017 21:28	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000818	0.00263	1	09/21/2017 21:28	WG1023207
2,2-Dichloropropane	U		0.000293	0.00105	1	09/21/2017 21:28	WG1023207
Di-isopropyl ether	U		0.000261	0.00105	1	09/21/2017 21:28	WG1023207
Ethylbenzene	U		0.000312	0.00105	1	09/21/2017 21:28	WG1023207
Hexachloro-1,3-butadiene	U		0.000360	0.00105	1	09/21/2017 21:28	WG1023207
2-Hexanone	U	J0	0.00144	0.0105	1	09/21/2017 21:28	WG1023207
n-Hexane	0.00497	J	0.000305	0.0105	1	09/21/2017 21:28	WG1023207
Iodomethane	U		0.00266	0.0105	1	09/21/2017 21:28	WG1023207
Isopropylbenzene	U		0.000256	0.00105	1	09/21/2017 21:28	WG1023207
p-Isopropyltoluene	U		0.000215	0.00105	1	09/21/2017 21:28	WG1023207
2-Butanone (MEK)	U	J0 J3	0.00492	0.0105	1	09/21/2017 21:28	WG1023207
Methylene Chloride	U		0.00105	0.00526	1	09/21/2017 21:28	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	09/21/2017 21:28	WG1023207

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000223	0.00105	1	09/21/2017 21:28	WG1023207
Naphthalene	U		0.00105	0.00526	1	09/21/2017 21:28	WG1023207
n-Propylbenzene	U		0.000217	0.00105	1	09/21/2017 21:28	WG1023207
Styrene	U		0.000246	0.00105	1	09/21/2017 21:28	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000278	0.00105	1	09/21/2017 21:28	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000384	0.00105	1	09/21/2017 21:28	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000384	0.00105	1	09/21/2017 21:28	WG1023207
Tetrachloroethene	U		0.000290	0.00105	1	09/21/2017 21:28	WG1023207
Toluene	U		0.000457	0.00526	1	09/21/2017 21:28	WG1023207
1,2,3-Trichlorobenzene	U		0.000322	0.00105	1	09/21/2017 21:28	WG1023207
1,2,4-Trichlorobenzene	U		0.000408	0.00105	1	09/21/2017 21:28	WG1023207
1,1,1-Trichloroethane	U		0.000301	0.00105	1	09/21/2017 21:28	WG1023207
1,1,2-Trichloroethane	U		0.000291	0.00105	1	09/21/2017 21:28	WG1023207
Trichloroethene	U		0.000293	0.00105	1	09/21/2017 21:28	WG1023207
Trichlorofluoromethane	U		0.000402	0.00526	1	09/21/2017 21:28	WG1023207
1,2,3-Trichloropropane	U		0.000779	0.00263	1	09/21/2017 21:28	WG1023207
1,2,4-Trimethylbenzene	U		0.000222	0.00105	1	09/21/2017 21:28	WG1023207
1,2,3-Trimethylbenzene	U		0.000302	0.00105	1	09/21/2017 21:28	WG1023207
1,3,5-Trimethylbenzene	U		0.000280	0.00105	1	09/21/2017 21:28	WG1023207
Vinyl acetate	U		0.00251	0.0105	1	09/21/2017 21:28	WG1023207
Vinyl chloride	U		0.000306	0.00105	1	09/21/2017 21:28	WG1023207
Xylenes, Total	U		0.000734	0.00316	1	09/21/2017 21:28	WG1023207
(S) Toluene-d8	*93.4*			*80.0-120*		*09/21/2017 21:28*	WG1023207
(S) Dibromofluoromethane	*116*			*74.0-131*		*09/21/2017 21:28*	WG1023207
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/21/2017 21:28*	WG1023207

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	93.8		1	09/25/2017 12:28	WG1023603

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0160	J J0 J3	0.0107	0.0533	1	09/21/2017 21:45	WG1023207
Acrylonitrile	U		0.00191	0.0107	1	09/21/2017 21:45	WG1023207
Benzene	0.000480	J	0.000288	0.00107	1	09/21/2017 21:45	WG1023207
Bromobenzene	U		0.000303	0.00107	1	09/21/2017 21:45	WG1023207
Bromodichloromethane	U		0.000271	0.00107	1	09/21/2017 21:45	WG1023207
Bromochloromethane	U		0.000416	0.00533	1	09/21/2017 21:45	WG1023207
Bromoform	U		0.000452	0.00107	1	09/21/2017 21:45	WG1023207
Bromomethane	U		0.00143	0.00533	1	09/21/2017 21:45	WG1023207
n-Butylbenzene	U		0.000275	0.00107	1	09/21/2017 21:45	WG1023207
sec-Butylbenzene	U		0.000214	0.00107	1	09/21/2017 21:45	WG1023207
tert-Butylbenzene	U		0.000220	0.00107	1	09/21/2017 21:45	WG1023207
Carbon disulfide	0.00357		0.000236	0.00107	1	09/21/2017 21:45	WG1023207
Carbon tetrachloride	U		0.000350	0.00107	1	09/21/2017 21:45	WG1023207
Chlorobenzene	U		0.000226	0.00107	1	09/21/2017 21:45	WG1023207
Chlorodibromomethane	U		0.000398	0.00107	1	09/21/2017 21:45	WG1023207
Chloroethane	U		0.00101	0.00533	1	09/21/2017 21:45	WG1023207
Chloroform	U		0.000244	0.00533	1	09/21/2017 21:45	WG1023207
Chloromethane	U		0.000400	0.00266	1	09/21/2017 21:45	WG1023207
2-Chlorotoluene	U		0.000321	0.00107	1	09/21/2017 21:45	WG1023207
4-Chlorotoluene	U		0.000256	0.00107	1	09/21/2017 21:45	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00533	1	09/21/2017 21:45	WG1023207
1,2-Dibromoethane	U		0.000366	0.00107	1	09/21/2017 21:45	WG1023207
Dibromomethane	U		0.000407	0.00107	1	09/21/2017 21:45	WG1023207
1,2-Dichlorobenzene	U		0.000325	0.00107	1	09/21/2017 21:45	WG1023207
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/21/2017 21:45	WG1023207
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/21/2017 21:45	WG1023207
Dichlorodifluoromethane	U		0.000760	0.00533	1	09/21/2017 21:45	WG1023207
1,1-Dichloroethane	U		0.000212	0.00107	1	09/21/2017 21:45	WG1023207
1,2-Dichloroethane	U		0.000282	0.00107	1	09/21/2017 21:45	WG1023207
1,1-Dichloroethene	U		0.000323	0.00107	1	09/21/2017 21:45	WG1023207
cis-1,2-Dichloroethene	U		0.000251	0.00107	1	09/21/2017 21:45	WG1023207
trans-1,2-Dichloroethene	U		0.000281	0.00107	1	09/21/2017 21:45	WG1023207
1,2-Dichloropropane	U		0.000382	0.00107	1	09/21/2017 21:45	WG1023207
1,1-Dichloropropene	U		0.000338	0.00107	1	09/21/2017 21:45	WG1023207
1,3-Dichloropropane	U		0.000221	0.00107	1	09/21/2017 21:45	WG1023207
cis-1,3-Dichloropropene	U		0.000279	0.00107	1	09/21/2017 21:45	WG1023207
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/21/2017 21:45	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000829	0.00266	1	09/21/2017 21:45	WG1023207
2,2-Dichloropropane	U		0.000297	0.00107	1	09/21/2017 21:45	WG1023207
Di-isopropyl ether	U		0.000264	0.00107	1	09/21/2017 21:45	WG1023207
Ethylbenzene	U		0.000317	0.00107	1	09/21/2017 21:45	WG1023207
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/21/2017 21:45	WG1023207
2-Hexanone	U	J0	0.00146	0.0107	1	09/21/2017 21:45	WG1023207
n-Hexane	0.00845	J	0.000309	0.0107	1	09/21/2017 21:45	WG1023207
Iodomethane	U		0.00270	0.0107	1	09/21/2017 21:45	WG1023207
Isopropylbenzene	U		0.000259	0.00107	1	09/21/2017 21:45	WG1023207
p-Isopropyltoluene	U		0.000217	0.00107	1	09/21/2017 21:45	WG1023207
2-Butanone (MEK)	U	J0 J3	0.00499	0.0107	1	09/21/2017 21:45	WG1023207
Methylene Chloride	U		0.00107	0.00533	1	09/21/2017 21:45	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0107	1	09/21/2017 21:45	WG1023207

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000226	0.00107	1	09/21/2017 21:45	WG1023207
Naphthalene	U		0.00107	0.00533	1	09/21/2017 21:45	WG1023207
n-Propylbenzene	U		0.000220	0.00107	1	09/21/2017 21:45	WG1023207
Styrene	U		0.000249	0.00107	1	09/21/2017 21:45	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000281	0.00107	1	09/21/2017 21:45	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000389	0.00107	1	09/21/2017 21:45	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000389	0.00107	1	09/21/2017 21:45	WG1023207
Tetrachloroethene	U		0.000294	0.00107	1	09/21/2017 21:45	WG1023207
Toluene	U		0.000463	0.00533	1	09/21/2017 21:45	WG1023207
1,2,3-Trichlorobenzene	U		0.000326	0.00107	1	09/21/2017 21:45	WG1023207
1,2,4-Trichlorobenzene	U		0.000414	0.00107	1	09/21/2017 21:45	WG1023207
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/21/2017 21:45	WG1023207
1,1,2-Trichloroethane	U		0.000295	0.00107	1	09/21/2017 21:45	WG1023207
Trichloroethene	U		0.000297	0.00107	1	09/21/2017 21:45	WG1023207
Trichlorofluoromethane	U		0.000407	0.00533	1	09/21/2017 21:45	WG1023207
1,2,3-Trichloropropane	U		0.000790	0.00266	1	09/21/2017 21:45	WG1023207
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/21/2017 21:45	WG1023207
1,2,3-Trimethylbenzene	U		0.000306	0.00107	1	09/21/2017 21:45	WG1023207
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/21/2017 21:45	WG1023207
Vinyl acetate	U		0.00255	0.0107	1	09/21/2017 21:45	WG1023207
Vinyl chloride	U		0.000310	0.00107	1	09/21/2017 21:45	WG1023207
Xylenes, Total	U		0.000744	0.00320	1	09/21/2017 21:45	WG1023207
(S) Toluene-d8	*91.7*			*80.0-120*		*09/21/2017 21:45*	WG1023207
(S) Dibromofluoromethane	*114*			*74.0-131*		*09/21/2017 21:45*	WG1023207
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/21/2017 21:45*	WG1023207

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	09/25/2017 12:28	WG1023603

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J3	0.0117	0.0584	1	09/26/2017 16:13	WG1023207
Acrylonitrile	U	J0	0.00209	0.0117	1	09/26/2017 16:13	WG1023207
Benzene	U		0.000315	0.00117	1	09/26/2017 16:13	WG1023207
Bromobenzene	U		0.000332	0.00117	1	09/26/2017 16:13	WG1023207
Bromodichloromethane	U		0.000297	0.00117	1	09/26/2017 16:13	WG1023207
Bromochloromethane	U		0.000455	0.00584	1	09/26/2017 16:13	WG1023207
Bromoform	U		0.000495	0.00117	1	09/26/2017 16:13	WG1023207
Bromomethane	U		0.00156	0.00584	1	09/26/2017 16:13	WG1023207
n-Butylbenzene	U		0.000301	0.00117	1	09/26/2017 16:13	WG1023207
sec-Butylbenzene	U		0.000235	0.00117	1	09/26/2017 16:13	WG1023207
tert-Butylbenzene	U		0.000241	0.00117	1	09/26/2017 16:13	WG1023207
Carbon disulfide	0.000448	J	0.000258	0.00117	1	09/26/2017 16:13	WG1023207
Carbon tetrachloride	U		0.000383	0.00117	1	09/26/2017 16:13	WG1023207
Chlorobenzene	U		0.000248	0.00117	1	09/26/2017 16:13	WG1023207
Chlorodibromomethane	U		0.000436	0.00117	1	09/26/2017 16:13	WG1023207
Chloroethane	U		0.00110	0.00584	1	09/26/2017 16:13	WG1023207
Chloroform	U		0.000267	0.00584	1	09/26/2017 16:13	WG1023207
Chloromethane	U		0.000438	0.00292	1	09/26/2017 16:13	WG1023207
2-Chlorotoluene	U		0.000352	0.00117	1	09/26/2017 16:13	WG1023207
4-Chlorotoluene	U		0.000280	0.00117	1	09/26/2017 16:13	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	09/26/2017 16:13	WG1023207
1,2-Dibromoethane	U		0.000401	0.00117	1	09/26/2017 16:13	WG1023207
Dibromomethane	U		0.000446	0.00117	1	09/26/2017 16:13	WG1023207
1,2-Dichlorobenzene	U	J3	0.000356	0.00117	1	09/26/2017 16:13	WG1023207
1,3-Dichlorobenzene	U	J3	0.000279	0.00117	1	09/26/2017 16:13	WG1023207
1,4-Dichlorobenzene	U	J3	0.000264	0.00117	1	09/26/2017 16:13	WG1023207
Dichlorodifluoromethane	U		0.000833	0.00584	1	09/26/2017 16:13	WG1023207
1,1-Dichloroethane	U		0.000232	0.00117	1	09/26/2017 16:13	WG1023207
1,2-Dichloroethane	U		0.000309	0.00117	1	09/26/2017 16:13	WG1023207
1,1-Dichloroethene	U		0.000354	0.00117	1	09/26/2017 16:13	WG1023207
cis-1,2-Dichloroethene	U		0.000274	0.00117	1	09/26/2017 16:13	WG1023207
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	09/26/2017 16:13	WG1023207
1,2-Dichloropropane	U		0.000418	0.00117	1	09/26/2017 16:13	WG1023207
1,1-Dichloropropene	U		0.000370	0.00117	1	09/26/2017 16:13	WG1023207
1,3-Dichloropropane	U		0.000242	0.00117	1	09/26/2017 16:13	WG1023207
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	09/26/2017 16:13	WG1023207
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	09/26/2017 16:13	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000909	0.00292	1	09/26/2017 16:13	WG1023207
2,2-Dichloropropane	U	J0	0.000326	0.00117	1	09/26/2017 16:13	WG1023207
Di-isopropyl ether	U		0.000290	0.00117	1	09/26/2017 16:13	WG1023207
Ethylbenzene	U		0.000347	0.00117	1	09/26/2017 16:13	WG1023207
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	09/26/2017 16:13	WG1023207
2-Hexanone	U		0.00160	0.0117	1	09/26/2017 16:13	WG1023207
n-Hexane	0.000898	J	0.000339	0.0117	1	09/26/2017 16:13	WG1023207
Iodomethane	U		0.00295	0.0117	1	09/26/2017 16:13	WG1023207
Isopropylbenzene	U		0.000284	0.00117	1	09/26/2017 16:13	WG1023207
p-Isopropyltoluene	U		0.000238	0.00117	1	09/26/2017 16:13	WG1023207
2-Butanone (MEK)	U	J3	0.00547	0.0117	1	09/26/2017 16:13	WG1023207
Methylene Chloride	U		0.00117	0.00584	1	09/26/2017 16:13	WG1023207
4-Methyl-2-pentanone (MIBK)	U	J0	0.00220	0.0117	1	09/26/2017 16:13	WG1023207

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J0	0.000248	0.00117	1	09/26/2017 16:13	WG1023207
Naphthalene	U	J3	0.00117	0.00584	1	09/26/2017 16:13	WG1023207
n-Propylbenzene	U		0.000241	0.00117	1	09/26/2017 16:13	WG1023207
Styrene	U		0.000273	0.00117	1	09/26/2017 16:13	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	09/26/2017 16:13	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	09/26/2017 16:13	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	09/26/2017 16:13	WG1023207
Tetrachloroethene	U		0.000322	0.00117	1	09/26/2017 16:13	WG1023207
Toluene	U		0.000507	0.00584	1	09/26/2017 16:13	WG1023207
1,2,3-Trichlorobenzene	U	J3	0.000357	0.00117	1	09/26/2017 16:13	WG1023207
1,2,4-Trichlorobenzene	U	J3	0.000453	0.00117	1	09/26/2017 16:13	WG1023207
1,1,1-Trichloroethane	U		0.000334	0.00117	1	09/26/2017 16:13	WG1023207
1,1,2-Trichloroethane	U		0.000323	0.00117	1	09/26/2017 16:13	WG1023207
Trichloroethene	U		0.000326	0.00117	1	09/26/2017 16:13	WG1023207
Trichlorofluoromethane	U		0.000446	0.00584	1	09/26/2017 16:13	WG1023207
1,2,3-Trichloropropane	U		0.000865	0.00292	1	09/26/2017 16:13	WG1023207
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	09/26/2017 16:13	WG1023207
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	09/26/2017 16:13	WG1023207
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	09/26/2017 16:13	WG1023207
Vinyl acetate	U		0.00279	0.0117	1	09/26/2017 16:13	WG1023207
Vinyl chloride	U		0.000340	0.00117	1	09/26/2017 16:13	WG1023207
Xylenes, Total	U		0.000815	0.00350	1	09/26/2017 16:13	WG1023207
(S) Toluene-d8	*106*			*80.0-120*		*09/26/2017 16:13*	WG1023207
(S) Dibromofluoromethane	*106*			*74.0-131*		*09/26/2017 16:13*	WG1023207
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/26/2017 16:13*	WG1023207

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	09/25/2017 12:28	WG1023603

Volatile Organic Compounds (GC/MS) 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 J3	0.0120	0.0599	1	09/21/2017 22:20	WG1023207
Acrylonitrile	U		0.00214	0.0120	1	09/21/2017 22:20	WG1023207
Benzene	U		0.000323	0.00120	1	09/21/2017 22:20	WG1023207
Bromobenzene	U		0.000340	0.00120	1	09/21/2017 22:20	WG1023207
Bromodichloromethane	U		0.000304	0.00120	1	09/21/2017 22:20	WG1023207
Bromochloromethane	U		0.000467	0.00599	1	09/21/2017 22:20	WG1023207
Bromoform	U		0.000508	0.00120	1	09/21/2017 22:20	WG1023207
Bromomethane	U		0.00161	0.00599	1	09/21/2017 22:20	WG1023207
n-Butylbenzene	U		0.000309	0.00120	1	09/21/2017 22:20	WG1023207
sec-Butylbenzene	U		0.000241	0.00120	1	09/21/2017 22:20	WG1023207
tert-Butylbenzene	U		0.000247	0.00120	1	09/21/2017 22:20	WG1023207
Carbon disulfide	U		0.000265	0.00120	1	09/21/2017 22:20	WG1023207
Carbon tetrachloride	U		0.000393	0.00120	1	09/21/2017 22:20	WG1023207
Chlorobenzene	U		0.000254	0.00120	1	09/21/2017 22:20	WG1023207
Chlorodibromomethane	U		0.000447	0.00120	1	09/21/2017 22:20	WG1023207
Chloroethane	U		0.00113	0.00599	1	09/21/2017 22:20	WG1023207
Chloroform	U		0.000274	0.00599	1	09/21/2017 22:20	WG1023207
Chloromethane	U		0.000449	0.00299	1	09/21/2017 22:20	WG1023207
2-Chlorotoluene	U		0.000361	0.00120	1	09/21/2017 22:20	WG1023207
4-Chlorotoluene	U		0.000287	0.00120	1	09/21/2017 22:20	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00599	1	09/21/2017 22:20	WG1023207
1,2-Dibromoethane	U		0.000411	0.00120	1	09/21/2017 22:20	WG1023207
Dibromomethane	U		0.000458	0.00120	1	09/21/2017 22:20	WG1023207
1,2-Dichlorobenzene	U		0.000365	0.00120	1	09/21/2017 22:20	WG1023207
1,3-Dichlorobenzene	U		0.000286	0.00120	1	09/21/2017 22:20	WG1023207
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/21/2017 22:20	WG1023207
Dichlorodifluoromethane	U		0.000854	0.00599	1	09/21/2017 22:20	WG1023207
1,1-Dichloroethane	U		0.000238	0.00120	1	09/21/2017 22:20	WG1023207
1,2-Dichloroethane	U		0.000317	0.00120	1	09/21/2017 22:20	WG1023207
1,1-Dichloroethene	U		0.000363	0.00120	1	09/21/2017 22:20	WG1023207
cis-1,2-Dichloroethene	U		0.000281	0.00120	1	09/21/2017 22:20	WG1023207
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	09/21/2017 22:20	WG1023207
1,2-Dichloropropane	U		0.000429	0.00120	1	09/21/2017 22:20	WG1023207
1,1-Dichloropropene	U		0.000380	0.00120	1	09/21/2017 22:20	WG1023207
1,3-Dichloropropane	U		0.000248	0.00120	1	09/21/2017 22:20	WG1023207
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	09/21/2017 22:20	WG1023207
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	09/21/2017 22:20	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000932	0.00299	1	09/21/2017 22:20	WG1023207
2,2-Dichloropropane	U		0.000334	0.00120	1	09/21/2017 22:20	WG1023207
Di-isopropyl ether	U		0.000297	0.00120	1	09/21/2017 22:20	WG1023207
Ethylbenzene	U		0.000356	0.00120	1	09/21/2017 22:20	WG1023207
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	09/21/2017 22:20	WG1023207
2-Hexanone	U	J0	0.00164	0.0120	1	09/21/2017 22:20	WG1023207
n-Hexane	U		0.000347	0.0120	1	09/21/2017 22:20	WG1023207
Iodomethane	U		0.00303	0.0120	1	09/21/2017 22:20	WG1023207
Isopropylbenzene	U		0.000291	0.00120	1	09/21/2017 22:20	WG1023207
p-Isopropyltoluene	U		0.000244	0.00120	1	09/21/2017 22:20	WG1023207
2-Butanone (MEK)	U	J0 J3	0.00561	0.0120	1	09/21/2017 22:20	WG1023207
Methylene Chloride	U		0.00120	0.00599	1	09/21/2017 22:20	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	09/21/2017 22:20	WG1023207

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

Analyte	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	09/21/2017 22:20	WG1023207
Naphthalene	U		0.00120	0.00599	1	09/21/2017 22:20	WG1023207
n-Propylbenzene	U		0.000247	0.00120	1	09/21/2017 22:20	WG1023207
Styrene	U		0.000280	0.00120	1	09/21/2017 22:20	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	09/21/2017 22:20	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	09/21/2017 22:20	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	09/21/2017 22:20	WG1023207
Tetrachloroethene	U		0.000331	0.00120	1	09/21/2017 22:20	WG1023207
Toluene	U		0.000520	0.00599	1	09/21/2017 22:20	WG1023207
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	09/21/2017 22:20	WG1023207
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	09/21/2017 22:20	WG1023207
1,1,1-Trichloroethane	U		0.000343	0.00120	1	09/21/2017 22:20	WG1023207
1,1,2-Trichloroethane	U		0.000332	0.00120	1	09/21/2017 22:20	WG1023207
Trichloroethene	U		0.000334	0.00120	1	09/21/2017 22:20	WG1023207
Trichlorofluoromethane	U		0.000458	0.00599	1	09/21/2017 22:20	WG1023207
1,2,3-Trichloropropane	U		0.000888	0.00299	1	09/21/2017 22:20	WG1023207
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/21/2017 22:20	WG1023207
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	09/21/2017 22:20	WG1023207
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	09/21/2017 22:20	WG1023207
Vinyl acetate	U		0.00286	0.0120	1	09/21/2017 22:20	WG1023207
Vinyl chloride	U		0.000349	0.00120	1	09/21/2017 22:20	WG1023207
Xylenes, Total	U		0.000836	0.00359	1	09/21/2017 22:20	WG1023207
(S) Toluene-d8	*95.7*			*80.0-120*		*09/21/2017 22:20*	WG1023207
(S) Dibromofluoromethane	*116*			*74.0-131*		*09/21/2017 22:20*	WG1023207
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/21/2017 22:20*	WG1023207

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	09/25/2017 12:28	WG1023603

Volatile Organic Compounds (GC/MS) 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 J3	0.0119	0.0597	1	09/21/2017 22:38	WG1023207
Acrylonitrile	U		0.00214	0.0119	1	09/21/2017 22:38	WG1023207
Benzene	U		0.000322	0.00119	1	09/21/2017 22:38	WG1023207
Bromobenzene	U		0.000339	0.00119	1	09/21/2017 22:38	WG1023207
Bromodichloromethane	U		0.000303	0.00119	1	09/21/2017 22:38	WG1023207
Bromochloromethane	U		0.000466	0.00597	1	09/21/2017 22:38	WG1023207
Bromoform	U		0.000506	0.00119	1	09/21/2017 22:38	WG1023207
Bromomethane	U		0.00160	0.00597	1	09/21/2017 22:38	WG1023207
n-Butylbenzene	U		0.000308	0.00119	1	09/21/2017 22:38	WG1023207
sec-Butylbenzene	U		0.000240	0.00119	1	09/21/2017 22:38	WG1023207
tert-Butylbenzene	U		0.000246	0.00119	1	09/21/2017 22:38	WG1023207
Carbon disulfide	U		0.000264	0.00119	1	09/21/2017 22:38	WG1023207
Carbon tetrachloride	U		0.000392	0.00119	1	09/21/2017 22:38	WG1023207
Chlorobenzene	U		0.000253	0.00119	1	09/21/2017 22:38	WG1023207
Chlorodibromomethane	U		0.000445	0.00119	1	09/21/2017 22:38	WG1023207
Chloroethane	U		0.00113	0.00597	1	09/21/2017 22:38	WG1023207
Chloroform	U		0.000273	0.00597	1	09/21/2017 22:38	WG1023207
Chloromethane	U		0.000448	0.00298	1	09/21/2017 22:38	WG1023207
2-Chlorotoluene	U		0.000359	0.00119	1	09/21/2017 22:38	WG1023207
4-Chlorotoluene	U		0.000287	0.00119	1	09/21/2017 22:38	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00597	1	09/21/2017 22:38	WG1023207
1,2-Dibromoethane	U		0.000409	0.00119	1	09/21/2017 22:38	WG1023207
Dibromomethane	U		0.000456	0.00119	1	09/21/2017 22:38	WG1023207
1,2-Dichlorobenzene	U		0.000364	0.00119	1	09/21/2017 22:38	WG1023207
1,3-Dichlorobenzene	U		0.000285	0.00119	1	09/21/2017 22:38	WG1023207
1,4-Dichlorobenzene	U		0.000270	0.00119	1	09/21/2017 22:38	WG1023207
Dichlorodifluoromethane	U		0.000851	0.00597	1	09/21/2017 22:38	WG1023207
1,1-Dichloroethane	U		0.000238	0.00119	1	09/21/2017 22:38	WG1023207
1,2-Dichloroethane	U		0.000316	0.00119	1	09/21/2017 22:38	WG1023207
1,1-Dichloroethene	U		0.000362	0.00119	1	09/21/2017 22:38	WG1023207
cis-1,2-Dichloroethene	U		0.000281	0.00119	1	09/21/2017 22:38	WG1023207
trans-1,2-Dichloroethene	U		0.000315	0.00119	1	09/21/2017 22:38	WG1023207
1,2-Dichloropropane	U		0.000427	0.00119	1	09/21/2017 22:38	WG1023207
1,1-Dichloropropene	U		0.000378	0.00119	1	09/21/2017 22:38	WG1023207
1,3-Dichloropropane	U		0.000247	0.00119	1	09/21/2017 22:38	WG1023207
cis-1,3-Dichloropropene	U		0.000313	0.00119	1	09/21/2017 22:38	WG1023207
trans-1,3-Dichloropropene	U		0.000319	0.00119	1	09/21/2017 22:38	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000929	0.00298	1	09/21/2017 22:38	WG1023207
2,2-Dichloropropane	U		0.000333	0.00119	1	09/21/2017 22:38	WG1023207
Di-isopropyl ether	U		0.000296	0.00119	1	09/21/2017 22:38	WG1023207
Ethylbenzene	U		0.000355	0.00119	1	09/21/2017 22:38	WG1023207
Hexachloro-1,3-butadiene	U		0.000408	0.00119	1	09/21/2017 22:38	WG1023207
2-Hexanone	U	J0	0.00164	0.0119	1	09/21/2017 22:38	WG1023207
n-Hexane	U		0.000346	0.0119	1	09/21/2017 22:38	WG1023207
Iodomethane	U		0.00302	0.0119	1	09/21/2017 22:38	WG1023207
Isopropylbenzene	U		0.000290	0.00119	1	09/21/2017 22:38	WG1023207
p-Isopropyltoluene	U		0.000244	0.00119	1	09/21/2017 22:38	WG1023207
2-Butanone (MEK)	U	J0 J3	0.00559	0.0119	1	09/21/2017 22:38	WG1023207
Methylene Chloride	U		0.00119	0.00597	1	09/21/2017 22:38	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	09/21/2017 22:38	WG1023207

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

Analyte	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	09/21/2017 22:38	WG1023207
Naphthalene	U		0.00119	0.00597	1	09/21/2017 22:38	WG1023207
n-Propylbenzene	U		0.000246	0.00119	1	09/21/2017 22:38	WG1023207
Styrene	U		0.000279	0.00119	1	09/21/2017 22:38	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	09/21/2017 22:38	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000436	0.00119	1	09/21/2017 22:38	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000436	0.00119	1	09/21/2017 22:38	WG1023207
Tetrachloroethene	U		0.000330	0.00119	1	09/21/2017 22:38	WG1023207
Toluene	U		0.000518	0.00597	1	09/21/2017 22:38	WG1023207
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	09/21/2017 22:38	WG1023207
1,2,4-Trichlorobenzene	U		0.000463	0.00119	1	09/21/2017 22:38	WG1023207
1,1,1-Trichloroethane	U		0.000341	0.00119	1	09/21/2017 22:38	WG1023207
1,1,2-Trichloroethane	U		0.000331	0.00119	1	09/21/2017 22:38	WG1023207
Trichloroethene	U		0.000333	0.00119	1	09/21/2017 22:38	WG1023207
Trichlorofluoromethane	U		0.000456	0.00597	1	09/21/2017 22:38	WG1023207
1,2,3-Trichloropropane	U		0.000885	0.00298	1	09/21/2017 22:38	WG1023207
1,2,4-Trimethylbenzene	U		0.000252	0.00119	1	09/21/2017 22:38	WG1023207
1,2,3-Trimethylbenzene	U		0.000343	0.00119	1	09/21/2017 22:38	WG1023207
1,3,5-Trimethylbenzene	U		0.000318	0.00119	1	09/21/2017 22:38	WG1023207
Vinyl acetate	U		0.00285	0.0119	1	09/21/2017 22:38	WG1023207
Vinyl chloride	U		0.000347	0.00119	1	09/21/2017 22:38	WG1023207
Xylenes, Total	U		0.000833	0.00358	1	09/21/2017 22:38	WG1023207
(S) Toluene-d8	*92.0*			*80.0-120*		*09/21/2017 22:38*	WG1023207
(S) Dibromofluoromethane	*118*			*74.0-131*		*09/21/2017 22:38*	WG1023207
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/21/2017 22:38*	WG1023207

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	8.14	J	1.05	25.0	1	09/22/2017 15:09	WG1023529
Acrylonitrile	U		0.873	5.00	1	09/22/2017 15:09	WG1023529
Benzene	0.286	J	0.0896	0.500	1	09/22/2017 15:09	WG1023529
Bromobenzene	U		0.133	0.500	1	09/22/2017 15:09	WG1023529
Bromodichloromethane	U		0.0800	0.500	1	09/22/2017 15:09	WG1023529
Bromochloromethane	U		0.145	0.500	1	09/22/2017 15:09	WG1023529
Bromoform	U		0.186	0.500	1	09/22/2017 15:09	WG1023529
Bromomethane	U		0.157	2.50	1	09/22/2017 15:09	WG1023529
n-Butylbenzene	U		0.143	0.500	1	09/22/2017 15:09	WG1023529
sec-Butylbenzene	U		0.134	0.500	1	09/22/2017 15:09	WG1023529
tert-Butylbenzene	U		0.183	0.500	1	09/22/2017 15:09	WG1023529
Carbon disulfide	U		0.101	0.500	1	09/22/2017 15:09	WG1023529
Carbon tetrachloride	U		0.159	0.500	1	09/22/2017 15:09	WG1023529
Chlorobenzene	U		0.140	0.500	1	09/22/2017 15:09	WG1023529
Chlorodibromomethane	U		0.128	0.500	1	09/22/2017 15:09	WG1023529
Chloroethane	U		0.141	2.50	1	09/22/2017 15:09	WG1023529
Chloroform	U		0.0860	0.500	1	09/22/2017 15:09	WG1023529
Chloromethane	U		0.153	1.25	1	09/22/2017 15:09	WG1023529
2-Chlorotoluene	U		0.111	0.500	1	09/22/2017 15:09	WG1023529
4-Chlorotoluene	U		0.0972	0.500	1	09/22/2017 15:09	WG1023529
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/22/2017 15:09	WG1023529
1,2-Dibromoethane	U		0.193	0.500	1	09/22/2017 15:09	WG1023529
Dibromomethane	U		0.117	0.500	1	09/22/2017 15:09	WG1023529
1,2-Dichlorobenzene	U		0.101	0.500	1	09/22/2017 15:09	WG1023529
1,3-Dichlorobenzene	U		0.130	0.500	1	09/22/2017 15:09	WG1023529
1,4-Dichlorobenzene	U		0.121	0.500	1	09/22/2017 15:09	WG1023529
Dichlorodifluoromethane	U		0.127	2.50	1	09/22/2017 15:09	WG1023529
1,1-Dichloroethane	U		0.114	0.500	1	09/22/2017 15:09	WG1023529
1,2-Dichloroethane	U		0.108	0.500	1	09/22/2017 15:09	WG1023529
1,1-Dichloroethene	U		0.188	0.500	1	09/22/2017 15:09	WG1023529
cis-1,2-Dichloroethene	0.148	J	0.0933	0.500	1	09/22/2017 15:09	WG1023529
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/22/2017 15:09	WG1023529
1,2-Dichloropropane	U		0.190	0.500	1	09/22/2017 15:09	WG1023529
1,1-Dichloropropene	U		0.128	0.500	1	09/22/2017 15:09	WG1023529
1,3-Dichloropropane	U		0.147	1.00	1	09/22/2017 15:09	WG1023529
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/22/2017 15:09	WG1023529
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/22/2017 15:09	WG1023529
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/22/2017 15:09	WG1023529
2,2-Dichloropropane	U		0.0929	0.500	1	09/22/2017 15:09	WG1023529
Di-isopropyl ether	U		0.0924	0.500	1	09/22/2017 15:09	WG1023529
Ethylbenzene	0.158	J	0.158	0.500	1	09/22/2017 15:09	WG1023529
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/22/2017 15:09	WG1023529
2-Hexanone	U		0.757	5.00	1	09/22/2017 15:09	WG1023529
n-Hexane	U		0.305	5.00	1	09/22/2017 15:09	WG1023529
Iodomethane	U		0.377	10.0	1	09/22/2017 15:09	WG1023529
Isopropylbenzene	U		0.126	0.500	1	09/22/2017 15:09	WG1023529
p-Isopropyltoluene	U		0.138	0.500	1	09/22/2017 15:09	WG1023529
2-Butanone (MEK)	1.86	J	1.28	5.00	1	09/22/2017 15:09	WG1023529
Methylene Chloride	U		1.07	2.50	1	09/22/2017 15:09	WG1023529
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/22/2017 15:09	WG1023529
Methyl tert-butyl ether	U		0.102	0.500	1	09/22/2017 15:09	WG1023529
Naphthalene	U		0.174	2.50	1	09/22/2017 15:09	WG1023529
n-Propylbenzene	U		0.162	0.500	1	09/22/2017 15:09	WG1023529
Styrene	U		0.117	0.500	1	09/22/2017 15:09	WG1023529
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/22/2017 15:09	WG1023529
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/22/2017 15:09	WG1023529

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/22/2017 15:09	WG1023529
Tetrachloroethene	U		0.199	0.500	1	09/22/2017 15:09	WG1023529
Toluene	88.5		0.412	0.500	1	09/22/2017 15:09	WG1023529
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/22/2017 15:09	WG1023529
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/22/2017 15:09	WG1023529
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/22/2017 15:09	WG1023529
1,1,2-Trichloroethane	U		0.186	0.500	1	09/22/2017 15:09	WG1023529
Trichloroethene	U		0.153	0.500	1	09/22/2017 15:09	WG1023529
Trichlorofluoromethane	U		0.130	2.50	1	09/22/2017 15:09	WG1023529
1,2,3-Trichloropropane	U		0.247	2.50	1	09/22/2017 15:09	WG1023529
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/22/2017 15:09	WG1023529
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/22/2017 15:09	WG1023529
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/22/2017 15:09	WG1023529
Vinyl acetate	U		0.645	5.00	1	09/22/2017 15:09	WG1023529
Vinyl chloride	U		0.118	0.500	1	09/22/2017 15:09	WG1023529
Xylenes, Total	0.472	J	0.316	1.50	1	09/22/2017 15:09	WG1023529
(S) Toluene-d8	*99.7*			*80.0-120*		*09/22/2017 15:09*	WG1023529
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/22/2017 15:09*	WG1023529
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*09/22/2017 15:09*	WG1023529

Method Blank (MB)

(MB) R3252192-1 09/25/17 12:05

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000700			

L937761-19 Original Sample (OS) • Duplicate (DUP)

(OS) L937761-19 09/25/17 12:05 • (DUP) R3252192-3 09/25/17 12:05

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.6	79.1	1	0.672		5

Laboratory Control Sample (LCS)

(LCS) R3252192-2 09/25/17 12:05

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) R3252193-1 09/25/17 12:28

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000800			

L937802-05 Original Sample (OS) • Duplicate (DUP)

(OS) L937802-05 09/25/17 12:28 • (DUP) R3252193-3 09/25/17 12:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.1	94.6	1	0.501		5

Laboratory Control Sample (LCS)

(LCS) R3252193-2 09/25/17 12:28

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) R3252278-3 09/21/17 19:43

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
1,1-Dichloropropene	U		0.000317	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
Di-isopropyl ether	U		0.000248	0.00100

Method Blank (MB)

(MB) R3252278-3 09/21/17 19:43

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
n-Hexane	U		0.000290	0.0100
Iodomethane	U		0.00253	0.0100
p-Isopropyltoluene	U		0.000204	0.00100
2-Hexanone	U		0.00137	0.0100
Isopropylbenzene	U		0.000243	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
n-Propylbenzene	U		0.000206	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
Naphthalene	U		0.00100	0.00500
Styrene	U		0.000234	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
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl acetate	U		0.00239	0.0100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*108*			*74.0-131*
(S) 4-Bromofluorobenzene	*107*			*64.0-132*

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

(LCS) R3252278-1 09/21/17 18:51 • (LCSD) R3252278-2 09/21/17 19:09

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	0.0776	0.119	62.1	95.1	11.0-160		J3	42.1	23
Benzene	0.0250	0.0263	0.0285	105	114	71.0-124			7.96	20
Acrylonitrile	0.125	0.113	0.125	90.7	100	61.0-143			9.95	20
Bromodichloromethane	0.0250	0.0235	0.0244	94.0	97.5	75.0-120			3.72	20
Bromobenzene	0.0250	0.0245	0.0276	97.9	110	78.0-120			11.9	20
Bromochloromethane	0.0250	0.0249	0.0277	99.5	111	80.0-121			10.9	20
Bromoform	0.0250	0.0196	0.0214	78.3	85.6	65.0-133			8.88	20
Bromomethane	0.0250	0.0256	0.0283	102	113	26.0-160			10.0	20
n-Butylbenzene	0.0250	0.0260	0.0285	104	114	73.0-126			8.97	20
Carbon disulfide	0.0250	0.0249	0.0274	99.6	110	53.0-130			9.63	20
sec-Butylbenzene	0.0250	0.0254	0.0276	102	110	75.0-121			8.20	20
Carbon tetrachloride	0.0250	0.0263	0.0285	105	114	66.0-123			7.99	20
tert-Butylbenzene	0.0250	0.0249	0.0268	99.6	107	74.0-122			7.31	20
Chlorobenzene	0.0250	0.0230	0.0236	92.1	94.4	79.0-121			2.50	20
Chlorodibromomethane	0.0250	0.0211	0.0220	84.5	87.8	74.0-128			3.81	20
Chloroethane	0.0250	0.0268	0.0288	107	115	51.0-147			7.00	20
Chloroform	0.0250	0.0272	0.0293	109	117	73.0-123			7.20	20
Chloromethane	0.0250	0.0201	0.0219	80.4	87.5	51.0-138			8.40	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0214	0.0228	85.7	91.2	65.0-126			6.24	20
2-Chlorotoluene	0.0250	0.0263	0.0288	105	115	72.0-124			9.25	20
1,2-Dibromoethane	0.0250	0.0228	0.0225	91.1	90.2	78.0-122			1.05	20
4-Chlorotoluene	0.0250	0.0251	0.0272	100	109	78.0-120			8.25	20
1,2-Dichlorobenzene	0.0250	0.0254	0.0271	102	108	80.0-120			6.32	20
1,3-Dichlorobenzene	0.0250	0.0257	0.0272	103	109	72.0-123			5.44	20
Dibromomethane	0.0250	0.0236	0.0233	94.3	93.1	79.0-120			1.26	20
1,4-Dichlorobenzene	0.0250	0.0236	0.0251	94.2	101	77.0-120			6.44	20
Dichlorodifluoromethane	0.0250	0.0212	0.0221	84.8	88.6	49.0-155			4.33	20
trans-1,4-Dichloro-2-butene	0.0250	0.0208	0.0206	83.2	82.6	68.0-126			0.780	20
1,1-Dichloroethane	0.0250	0.0271	0.0290	109	116	70.0-128			6.71	20
1,2-Dichloroethane	0.0250	0.0257	0.0281	103	112	69.0-128			9.19	20
1,1-Dichloroethene	0.0250	0.0276	0.0301	111	120	63.0-131			8.36	20
cis-1,2-Dichloroethene	0.0250	0.0254	0.0273	102	109	74.0-123			7.23	20
trans-1,2-Dichloroethene	0.0250	0.0258	0.0274	103	110	72.0-122			6.07	20
1,2-Dichloropropane	0.0250	0.0254	0.0261	102	104	75.0-126			2.63	20
1,1-Dichloropropene	0.0250	0.0254	0.0280	102	112	72.0-130			9.59	20
cis-1,3-Dichloropropene	0.0250	0.0252	0.0251	101	101	80.0-125			0.190	20
1,3-Dichloropropane	0.0250	0.0227	0.0231	90.8	92.6	80.0-121			1.97	20
trans-1,3-Dichloropropene	0.0250	0.0227	0.0232	90.6	92.9	75.0-129			2.49	20
2,2-Dichloropropane	0.0250	0.0261	0.0281	104	112	60.0-129			7.33	20
Ethylbenzene	0.0250	0.0222	0.0229	88.8	91.6	77.0-120			3.11	20

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

(LCS) R3252278-1 09/21/17 18:51 • (LCSD) R3252278-2 09/21/17 19:09

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 %
Di-isopropyl ether	0.0250	0.0253	0.0268	101	107	62.0-133			5.74	20
2-Hexanone	0.125	0.108	0.122	86.1	97.6	61.0-143			12.6	20
Hexachloro-1,3-butadiene	0.0250	0.0219	0.0233	87.7	93.3	68.0-128			6.20	20
Isopropylbenzene	0.0250	0.0248	0.0273	99.4	109	75.0-120			9.39	20
n-Hexane	0.0250	0.0211	0.0222	84.5	89.0	57.0-125			5.11	20
Iodomethane	0.125	0.129	0.143	103	114	67.0-132			10.2	20
2-Butanone (MEK)	0.125	0.0989	0.130	79.1	104	37.0-159		J3	27.0	20
Methylene Chloride	0.0250	0.0264	0.0293	106	117	67.0-123			10.3	20
p-Isopropyltoluene	0.0250	0.0263	0.0281	105	112	74.0-125			6.49	20
4-Methyl-2-pentanone (MIBK)	0.125	0.110	0.111	87.9	89.2	60.0-144			1.44	20
Methyl tert-butyl ether	0.0250	0.0264	0.0288	106	115	66.0-125			8.55	20
Naphthalene	0.0250	0.0256	0.0263	102	105	64.0-125			2.74	20
Styrene	0.0250	0.0258	0.0276	103	111	78.0-124			6.93	20
1,1,2,2-Tetrachloroethane	0.0250	0.0265	0.0276	106	110	73.0-120			4.05	20
n-Propylbenzene	0.0250	0.0259	0.0280	104	112	78.0-120			7.82	20
Tetrachloroethene	0.0250	0.0207	0.0210	82.7	83.9	70.0-127			1.38	20
1,1,1,2-Tetrachloroethane	0.0250	0.0236	0.0240	94.5	96.1	74.0-124			1.61	20
Toluene	0.0250	0.0226	0.0233	90.3	93.3	77.0-120			3.20	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0266	0.0296	107	118	64.0-135			10.4	20
1,2,3-Trichlorobenzene	0.0250	0.0259	0.0264	104	106	68.0-126			1.87	20
1,2,4-Trichlorobenzene	0.0250	0.0237	0.0246	94.9	98.3	70.0-127			3.50	20
1,1,1-Trichloroethane	0.0250	0.0252	0.0283	101	113	69.0-125			11.6	20
1,1,2-Trichloroethane	0.0250	0.0221	0.0227	88.3	90.9	78.0-120			2.88	20
Trichloroethene	0.0250	0.0230	0.0237	92.1	95.0	79.0-120			3.05	20
Trichlorofluoromethane	0.0250	0.0266	0.0290	107	116	59.0-136			8.58	20
1,2,3-Trichloropropane	0.0250	0.0267	0.0271	107	108	73.0-124			1.50	20
1,2,3-Trimethylbenzene	0.0250	0.0242	0.0262	96.8	105	76.0-120			8.08	20
1,2,4-Trimethylbenzene	0.0250	0.0255	0.0280	102	112	75.0-120			9.34	20
Vinyl chloride	0.0250	0.0239	0.0263	95.4	105	63.0-134			9.90	20
1,3,5-Trimethylbenzene	0.0250	0.0257	0.0278	103	111	75.0-120			8.02	20
Xylenes, Total	0.0750	0.0692	0.0709	92.3	94.5	77.0-120			2.43	20
Vinyl acetate	0.125	0.139	0.146	111	117	58.0-156			4.96	20
(S) Toluene-d8				*97.9*	*95.9*	*80.0-120*				
(S) Dibromofluoromethane				*111*	*114*	*74.0-131*				
(S) 4-Bromofluorobenzene				*101*	*102*	*64.0-132*				

L937802-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L937802-07 09/26/17 16:13 • (MS) R3252404-1 09/26/17 17:12 • (MSD) R3252404-2 09/26/17 17:32

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	0.146	U	0.0909	0.0881	62.3	60.3	1	10.0-160			3.22	36
Benzene	0.0292	U	0.0246	0.0201	84.1	69.0	1	13.0-146			19.8	27
Bromodichloromethane	0.0292	U	0.0242	0.0197	82.8	67.6	1	15.0-142			20.1	28
Acrylonitrile	0.146	U	0.0982	0.0826	67.2	56.6	1	14.0-160			17.3	33
Bromochloromethane	0.0292	U	0.0244	0.0204	83.5	70.0	1	24.0-146			17.6	27
Bromoform	0.0292	U	0.0222	0.0175	76.2	60.0	1	10.0-147			23.8	31
Bromobenzene	0.0292	U	0.0199	0.0149	68.1	50.9	1	10.0-149			28.8	33
Bromomethane	0.0292	U	0.0213	0.0170	73.0	58.2	1	10.0-160			22.5	32
Carbon disulfide	0.0292	0.000448	0.0217	0.0179	72.9	59.8	1	10.0-141			19.3	30
Carbon tetrachloride	0.0292	U	0.0234	0.0193	80.2	66.2	1	13.0-140			19.3	30
n-Butylbenzene	0.0292	U	0.0226	0.0157	77.3	53.8	1	10.0-154			36.0	37
Chlorobenzene	0.0292	U	0.0223	0.0175	76.4	59.8	1	10.0-149			24.4	31
sec-Butylbenzene	0.0292	U	0.0251	0.0186	85.9	63.8	1	10.0-151			29.5	36
Chlorodibromomethane	0.0292	U	0.0217	0.0176	74.2	60.2	1	12.0-147			20.9	29
tert-Butylbenzene	0.0292	U	0.0244	0.0187	83.6	64.2	1	10.0-152			26.2	35
Chloroethane	0.0292	U	0.0244	0.0197	83.7	67.3	1	10.0-159			21.7	33
Chloroform	0.0292	U	0.0241	0.0201	82.6	68.7	1	18.0-148			18.4	28
Chloromethane	0.0292	U	0.0216	0.0181	74.1	62.1	1	10.0-146			17.6	29
1,2-Dibromo-3-Chloropropane	0.0292	U	0.0174	0.0131	59.5	45.0	1	10.0-149			27.7	34
1,2-Dibromoethane	0.0292	U	0.0222	0.0176	75.9	60.4	1	14.0-145			22.8	28
2-Chlorotoluene	0.0292	U	0.0225	0.0169	77.1	57.8	1	10.0-151			28.6	35
1,2-Dichlorobenzene	0.0292	U	0.0163	0.0113	55.8	38.8	1	10.0-153		J3	36.0	34
4-Chlorotoluene	0.0292	U	0.0206	0.0150	70.7	51.3	1	10.0-150			31.8	35
1,3-Dichlorobenzene	0.0292	U	0.0181	0.0125	61.9	42.9	1	10.0-150		J3	36.2	35
1,4-Dichlorobenzene	0.0292	U	0.0173	0.0118	59.2	40.3	1	10.0-148		J3	38.0	34
Dibromomethane	0.0292	U	0.0206	0.0165	70.6	56.5	1	18.0-144			22.2	27
Dichlorodifluoromethane	0.0292	U	0.0274	0.0227	93.8	77.7	1	10.0-160			18.8	30
1,1-Dichloroethane	0.0292	U	0.0256	0.0215	87.7	73.7	1	19.0-148			17.3	28
1,2-Dichloroethane	0.0292	U	0.0235	0.0188	80.3	64.6	1	17.0-147			21.8	27
trans-1,4-Dichloro-2-butene	0.0292	U	0.0148	0.0115	50.6	39.3	1	10.0-160			25.1	40
1,1-Dichloroethene	0.0292	U	0.0246	0.0205	84.2	70.1	1	10.0-150			18.3	31
cis-1,2-Dichloroethene	0.0292	U	0.0234	0.0197	80.0	67.6	1	16.0-145			16.8	28
trans-1,2-Dichloroethene	0.0292	U	0.0244	0.0197	83.7	67.5	1	11.0-142			21.5	29
1,2-Dichloropropane	0.0292	U	0.0247	0.0203	84.7	69.4	1	17.0-148			19.9	28
cis-1,3-Dichloropropene	0.0292	U	0.0243	0.0197	83.1	67.3	1	13.0-150			20.9	28
trans-1,3-Dichloropropene	0.0292	U	0.0210	0.0166	72.1	56.8	1	10.0-152			23.8	29
1,1-Dichloropropene	0.0292	U	0.0250	0.0204	85.6	69.7	1	10.0-150			20.4	30
1,3-Dichloropropane	0.0292	U	0.0226	0.0185	77.4	63.5	1	16.0-148			19.6	27
Ethylbenzene	0.0292	U	0.0239	0.0185	81.7	63.3	1	10.0-147			25.4	31

L937802-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L937802-07 09/26/17 16:13 • (MS) R3252404-1 09/26/17 17:12 • (MSD) R3252404-2 09/26/17 17:32

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 %
2,2-Dichloropropane	0.0292	U	0.0191	0.0157	65.6	53.8	1	16.0-143			19.7	30
Di-isopropyl ether	0.0292	U	0.0220	0.0181	75.3	61.9	1	16.0-149			19.5	28
2-Hexanone	0.146	U	0.0859	0.0721	58.8	49.4	1	12.0-158			17.4	30
Hexachloro-1,3-butadiene	0.0292	U	0.0232	0.0165	79.6	56.4	1	10.0-154			34.1	40
Isopropylbenzene	0.0292	U	0.0247	0.0191	84.6	65.4	1	10.0-147			25.7	33
2-Butanone (MEK)	0.146	U	0.0799	0.0685	54.8	46.9	1	10.0-160			15.4	33
n-Hexane	0.0292	0.000898	0.0227	0.0198	74.8	64.6	1	10.0-140			14.0	34
Iodomethane	0.146	U	0.120	0.0970	82.0	66.5	1	10.0-157			20.9	34
Methylene Chloride	0.0292	U	0.0216	0.0181	74.1	62.0	1	16.0-139			17.8	29
4-Methyl-2-pentanone (MIBK)	0.146	U	0.0971	0.0815	66.5	55.8	1	12.0-160			17.5	32
Methyl tert-butyl ether	0.0292	U	0.0209	0.0168	71.6	57.4	1	21.0-145			22.1	29
p-Isopropyltoluene	0.0292	U	0.0252	0.0183	86.4	62.6	1	10.0-156			32.0	37
Naphthalene	0.0292	U	0.0105	0.00599	35.8	20.5	1	10.0-153		J3	54.3	36
Styrene	0.0292	U	0.0203	0.0148	69.4	50.6	1	10.0-155			31.3	34
1,1,2,2-Tetrachloroethane	0.0292	U	0.0198	0.0160	67.9	54.9	1	10.0-155			21.1	31
Tetrachloroethene	0.0292	U	0.0273	0.0222	93.5	75.9	1	10.0-144			20.8	32
n-Propylbenzene	0.0292	U	0.0245	0.0185	84.0	63.3	1	10.0-151			28.0	34
Toluene	0.0292	U	0.0239	0.0194	81.8	66.3	1	10.0-144			20.8	28
1,1,2-Trichlorotrifluoroethane	0.0292	U	0.0236	0.0192	80.9	65.6	1	10.0-153			20.9	33
1,1,1,2-Tetrachloroethane	0.0292	U	0.0216	0.0171	74.1	58.7	1	10.0-147			23.2	30
1,2,3-Trichlorobenzene	0.0292	U	0.0109	0.00631	37.2	21.6	1	10.0-153		J3	53.0	40
1,2,4-Trichlorobenzene	0.0292	U	0.0115	0.00657	39.3	22.5	1	10.0-156		J3	54.3	40
1,1,1-Trichloroethane	0.0292	U	0.0237	0.0197	81.1	67.4	1	18.0-145			18.4	29
1,1,2-Trichloroethane	0.0292	U	0.0225	0.0189	77.1	64.8	1	12.0-151			17.4	28
Trichloroethene	0.0292	U	0.0248	0.0200	85.0	68.4	1	11.0-148			21.7	29
Trichlorofluoromethane	0.0292	U	0.0254	0.0207	87.1	71.0	1	10.0-157			20.4	34
1,2,3-Trichloropropane	0.0292	U	0.0207	0.0158	70.8	54.3	1	10.0-154			26.5	32
Vinyl chloride	0.0292	U	0.0253	0.0204	86.7	69.8	1	10.0-150			21.5	29
1,2,3-Trimethylbenzene	0.0292	U	0.0190	0.0141	65.0	48.2	1	10.0-150			29.6	33
Xylenes, Total	0.0876	U	0.0709	0.0543	80.9	62.0	1	10.0-150			26.5	31
1,2,4-Trimethylbenzene	0.0292	U	0.0215	0.0158	73.8	54.2	1	10.0-151			30.5	34
1,3,5-Trimethylbenzene	0.0292	U	0.0236	0.0178	80.7	61.1	1	10.0-150			27.6	33
Vinyl acetate	0.146	U	0.0932	0.0715	63.9	49.0	1	10.0-160			26.4	40
(S) Toluene-d8					*107*	*106*		*80.0-120*				
(S) Dibromofluoromethane					*106*	*106*		*74.0-131*				
(S) 4-Bromofluorobenzene					*109*	*109*		*64.0-132*				

Method Blank (MB)

(MB) R3251791-2 09/22/17 14:11

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
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) R3251791-2 09/22/17 14:11

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	0.199	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	0.174	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	0.223	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	*104*			*80.0-120*
(S) Dibromofluoromethane	*99.1*			*76.0-123*
(S) 4-Bromofluorobenzene	*101*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3251791-1 09/22/17 13:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	111	88.6	10.0-160	
Acrylonitrile	125	114	91.3	60.0-142	
Benzene	25.0	23.8	95.2	69.0-123	
Bromobenzene	25.0	24.0	96.0	79.0-120	
Bromodichloromethane	25.0	23.2	93.0	76.0-120	
Bromochloromethane	25.0	23.4	93.7	76.0-122	
Bromoform	25.0	25.8	103	67.0-132	
Bromomethane	25.0	23.0	91.8	18.0-160	
n-Butylbenzene	25.0	26.0	104	72.0-126	
sec-Butylbenzene	25.0	25.6	102	74.0-121	
tert-Butylbenzene	25.0	25.7	103	75.0-122	
Carbon disulfide	25.0	24.4	97.4	55.0-127	
Carbon tetrachloride	25.0	25.0	100	63.0-122	
Chlorobenzene	25.0	24.7	98.6	79.0-121	
Chlorodibromomethane	25.0	25.4	102	75.0-125	
Chloroethane	25.0	22.8	91.3	47.0-152	
Chloroform	25.0	23.7	94.7	72.0-121	
Chloromethane	25.0	22.6	90.5	48.0-139	
2-Chlorotoluene	25.0	25.4	102	74.0-122	
4-Chlorotoluene	25.0	25.0	99.8	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	25.3	101	64.0-127	
1,2-Dibromoethane	25.0	24.4	97.5	77.0-123	
Dibromomethane	25.0	23.9	95.5	78.0-120	
1,2-Dichlorobenzene	25.0	24.3	97.3	80.0-120	
1,3-Dichlorobenzene	25.0	23.9	95.6	72.0-123	
1,4-Dichlorobenzene	25.0	24.6	98.4	77.0-120	
Dichlorodifluoromethane	25.0	22.5	90.1	49.0-155	
1,1-Dichloroethane	25.0	23.4	93.8	70.0-126	
1,2-Dichloroethane	25.0	22.1	88.6	67.0-126	
1,1-Dichloroethene	25.0	24.8	99.1	64.0-129	
cis-1,2-Dichloroethene	25.0	23.2	92.7	73.0-120	
trans-1,2-Dichloroethene	25.0	24.3	97.2	71.0-121	
1,2-Dichloropropane	25.0	24.1	96.4	75.0-125	
1,1-Dichloropropene	25.0	24.4	97.7	71.0-129	
1,3-Dichloropropane	25.0	23.8	95.0	80.0-121	
cis-1,3-Dichloropropene	25.0	24.3	97.1	79.0-123	
trans-1,3-Dichloropropene	25.0	24.5	97.9	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	23.9	95.7	55.0-134	
2,2-Dichloropropane	25.0	24.0	95.9	60.0-125	
Di-isopropyl ether	25.0	22.8	91.1	59.0-133	

Laboratory Control Sample (LCS)

(LCS) R3251791-1 09/22/17 13:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	25.0	25.4	101	77.0-120	
Hexachloro-1,3-butadiene	25.0	24.3	97.1	64.0-131	
2-Hexanone	125	118	94.5	58.0-147	
n-Hexane	25.0	22.7	90.9	56.0-124	
Iodomethane	125	124	98.8	57.0-140	
Isopropylbenzene	25.0	25.9	104	75.0-120	
p-Isopropyltoluene	25.0	26.7	107	74.0-126	
2-Butanone (MEK)	125	99.3	79.4	37.0-158	
Methylene Chloride	25.0	23.8	95.1	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	120	95.7	59.0-143	
Methyl tert-butyl ether	25.0	23.3	93.3	64.0-123	
Naphthalene	25.0	24.6	98.6	62.0-128	
n-Propylbenzene	25.0	25.6	102	79.0-120	
Styrene	25.0	25.3	101	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	25.1	100	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	25.0	100	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	24.9	99.6	61.0-136	
Tetrachloroethene	25.0	26.0	104	70.0-127	
Toluene	25.0	24.8	99.2	77.0-120	
1,2,3-Trichlorobenzene	25.0	23.4	93.4	61.0-133	
1,2,4-Trichlorobenzene	25.0	24.1	96.3	69.0-129	
1,1,1-Trichloroethane	25.0	24.6	98.5	68.0-122	
1,1,2-Trichloroethane	25.0	23.5	93.9	78.0-120	
Trichloroethene	25.0	26.1	104	78.0-120	
Trichlorofluoromethane	25.0	25.3	101	56.0-137	
1,2,3-Trichloropropane	25.0	25.3	101	72.0-124	
1,2,4-Trimethylbenzene	25.0	25.3	101	75.0-120	
1,2,3-Trimethylbenzene	25.0	25.5	102	75.0-120	
1,3,5-Trimethylbenzene	25.0	26.5	106	75.0-120	
Vinyl acetate	125	111	89.0	46.0-160	
Vinyl chloride	25.0	23.5	93.9	64.0-133	
Xylenes, Total	75.0	76.4	102	77.0-120	
(S) Toluene-d8			*99.8*	*80.0-120*	
(S) Dibromofluoromethane			*96.9*	*76.0-123*	
(S) 4-Bromofluorobenzene			*104*	*80.0-120*	

L937868-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L937868-02 09/22/17 15:48 • (MS) R3251791-3 09/22/17 21:57 • (MSD) R3251791-4 09/22/17 22:16

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 %
Acetone	125	ND	106	131	70.4	90.4	1	10.0-139			21.0	25
Acrylonitrile	125	ND	86.8	112	69.5	89.3	1	46.0-159		J3	25.0	23
Benzene	25.0	ND	17.7	23.3	70.7	93.4	1	34.0-147		J3	27.7	20
Bromobenzene	25.0	ND	17.9	23.4	71.7	93.5	1	51.0-137		J3	26.4	20
Bromodichloromethane	25.0	ND	17.7	24.7	70.8	98.6	1	52.0-135		J3	32.9	20
Bromochloromethane	25.0	ND	17.5	24.5	70.0	97.9	1	53.0-138		J3	33.2	20
Bromoform	25.0	ND	17.7	23.8	70.9	95.1	1	50.0-146		J3	29.2	20
Bromomethane	25.0	ND	19.3	25.0	77.2	99.9	1	10.0-160		J3	25.7	23
n-Butylbenzene	25.0	ND	20.1	25.6	80.5	102	1	50.0-144		J3	23.9	20
sec-Butylbenzene	25.0	ND	19.2	24.7	76.8	99.0	1	48.0-143		J3	25.3	20
tert-Butylbenzene	25.0	ND	19.2	24.9	76.8	99.6	1	50.0-142		J3	25.8	20
Carbon disulfide	25.0	ND	17.5	22.6	70.2	90.5	1	10.0-147		J3	25.3	20
Carbon tetrachloride	25.0	ND	19.8	24.4	79.3	97.7	1	41.0-138		J3	20.7	20
Chlorobenzene	25.0	ND	18.8	24.5	75.1	98.2	1	52.0-141		J3	26.6	20
Chlorodibromomethane	25.0	ND	18.7	25.6	74.8	102	1	54.0-142		J3	31.2	20
Chloroethane	25.0	ND	20.2	25.5	80.6	102	1	23.0-160		J3	23.5	20
Chloroform	25.0	ND	18.6	24.8	74.4	99.4	1	50.0-139		J3	28.7	20
Chloromethane	25.0	ND	16.5	21.6	66.1	86.6	1	14.0-151		J3	26.8	20
2-Chlorotoluene	25.0	ND	18.4	24.6	73.5	98.2	1	48.0-142		J3	28.7	20
4-Chlorotoluene	25.0	ND	18.3	23.8	73.3	95.4	1	52.0-139		J3	26.2	20
1,2-Dibromo-3-Chloropropane	25.0	ND	18.8	25.2	75.1	101	1	49.0-144		J3	29.2	24
1,2-Dibromoethane	25.0	ND	18.6	24.8	74.4	99.3	1	54.0-140		J3	28.7	20
Dibromomethane	25.0	ND	18.0	25.0	72.0	100	1	53.0-138		J3	32.5	20
1,2-Dichlorobenzene	25.0	ND	19.0	25.3	75.8	101	1	56.0-139		J3	28.7	20
1,3-Dichlorobenzene	25.0	ND	17.9	23.4	71.4	93.8	1	50.0-141		J3	27.1	20
1,4-Dichlorobenzene	25.0	ND	19.1	24.9	76.2	99.4	1	53.0-136		J3	26.4	20
Dichlorodifluoromethane	25.0	ND	19.7	24.1	78.9	96.6	1	20.0-160			20.1	21
1,1-Dichloroethane	25.0	ND	18.0	24.2	70.8	95.7	1	47.0-143		J3	29.6	20
1,2-Dichloroethane	25.0	ND	17.2	22.7	68.9	91.0	1	47.0-141		J3	27.7	20
1,1-Dichloroethene	25.0	ND	19.0	25.0	76.0	100	1	31.0-148		J3	27.4	20
cis-1,2-Dichloroethene	25.0	ND	18.2	24.2	72.8	96.7	1	43.0-142		J3	28.2	20
trans-1,2-Dichloroethene	25.0	ND	18.1	24.0	72.2	95.8	1	36.0-141		J3	28.1	20
1,2-Dichloropropane	25.0	ND	18.0	23.9	71.9	95.7	1	51.0-141		J3	28.3	20
1,1-Dichloropropene	25.0	ND	20.0	25.2	80.0	101	1	42.0-146		J3	23.1	20
1,3-Dichloropropane	25.0	ND	18.4	24.4	73.4	97.6	1	58.0-139		J3	28.3	20
cis-1,3-Dichloropropene	25.0	ND	18.3	24.0	73.3	96.2	1	53.0-139		J3	27.0	20
trans-1,3-Dichloropropene	25.0	ND	18.2	24.0	72.9	96.0	1	51.0-143		J3	27.4	20
trans-1,4-Dichloro-2-butene	25.0	ND	14.0	19.1	55.8	76.5	1	40.0-150		J3	31.3	21
2,2-Dichloropropane	25.0	ND	18.2	23.9	72.8	95.6	1	43.0-139		J3	27.0	20
Di-isopropyl ether	25.0	ND	16.3	22.2	65.0	89.0	1	44.0-144		J3	31.1	20

L937868-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L937868-02 09/22/17 15:48 • (MS) R3251791-3 09/22/17 21:57 • (MSD) R3251791-4 09/22/17 22:16

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 %
Ethylbenzene	25.0	ND	20.4	26.4	78.9	103	1	42.0-147		J3	25.7	20
Hexachloro-1,3-butadiene	25.0	ND	18.5	24.4	73.9	97.6	1	44.0-146		J3	27.7	21
2-Hexanone	125	ND	94.3	125	75.4	99.9	1	36.0-145		J3	28.0	23
n-Hexane	25.0	ND	17.4	21.3	69.6	85.3	1	13.0-145		J3	20.2	20
Iodomethane	125	ND	91.5	126	73.2	101	1	30.0-151		J3	31.9	20
Isopropylbenzene	25.0	ND	19.3	24.6	77.3	98.4	1	48.0-141		J3	24.0	20
p-Isopropyltoluene	25.0	ND	19.6	25.6	78.3	102	1	49.0-146		J3	26.7	20
2-Butanone (MEK)	125	ND	83.9	107	67.1	85.4	1	12.0-149			24.0	24
Methylene Chloride	25.0	ND	17.9	23.8	71.7	95.4	1	42.0-135		J3	28.3	20
4-Methyl-2-pentanone (MIBK)	125	ND	96.2	130	77.0	104	1	44.0-160		J3	30.0	22
Methyl tert-butyl ether	25.0	ND	17.0	23.6	67.9	94.4	1	42.0-142		J3	32.7	20
Naphthalene	25.0	15.4	35.3	44.5	79.5	116	1	42.0-146			23.0	24
n-Propylbenzene	25.0	ND	18.7	24.1	74.8	96.5	1	47.0-144		J3	25.3	20
Styrene	25.0	ND	18.5	24.4	74.2	97.5	1	47.0-147		J3	27.1	20
1,1,1,2-Tetrachloroethane	25.0	ND	19.8	25.8	79.3	103	1	52.0-140		J3	26.4	20
1,1,2,2-Tetrachloroethane	25.0	ND	17.0	23.6	68.1	94.2	1	46.0-149		J3	32.2	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	21.3	25.3	85.2	101	1	40.0-151			17.0	21
Tetrachloroethene	25.0	ND	19.8	24.7	79.3	98.9	1	38.0-147		J3	21.9	20
Toluene	25.0	ND	19.8	25.2	76.3	97.8	1	42.0-141		J3	23.9	20
1,2,3-Trichlorobenzene	25.0	ND	17.7	24.8	70.6	99.4	1	45.0-145		J3	33.8	22
1,2,4-Trichlorobenzene	25.0	ND	18.4	25.8	73.7	103	1	49.0-147		J3	33.2	21
1,1,1-Trichloroethane	25.0	ND	19.0	25.3	76.1	101	1	46.0-140		J3	28.4	20
1,1,2-Trichloroethane	25.0	ND	18.1	23.8	72.4	95.0	1	54.0-139		J3	27.1	20
Trichloroethene	25.0	ND	19.9	26.1	79.5	104	1	32.0-156		J3	27.2	20
Trichlorofluoromethane	25.0	ND	23.2	31.3	82.8	115	1	32.0-152		J3	29.9	20
1,2,3-Trichloropropane	25.0	ND	18.1	24.6	72.6	98.4	1	54.0-143		J3	30.2	21
1,2,4-Trimethylbenzene	25.0	ND	19.1	25.3	74.8	99.6	1	41.0-146		J3	27.9	20
1,2,3-Trimethylbenzene	25.0	ND	20.2	27.1	79.5	107	1	48.0-138		J3	29.5	20
1,3,5-Trimethylbenzene	25.0	ND	19.0	25.6	76.2	103	1	44.0-143		J3	29.5	20
Vinyl acetate	125	ND	81.6	109	65.2	86.9	1	30.0-160		J3	28.5	20
Vinyl chloride	25.0	ND	19.2	23.4	76.7	93.8	1	24.0-153		J3	20.1	20
Xylenes, Total	75.0	ND	60.8	78.1	81.1	104	1	41.0-148		J3	24.9	20
(S) Toluene-d8					*103*	*102*		*80.0-120*				
(S) Dibromofluoromethane					*97.3*	*97.5*		*76.0-123*				
(S) 4-Bromofluorobenzene					*98.3*	*97.4*		*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.

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.

State Accreditations

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

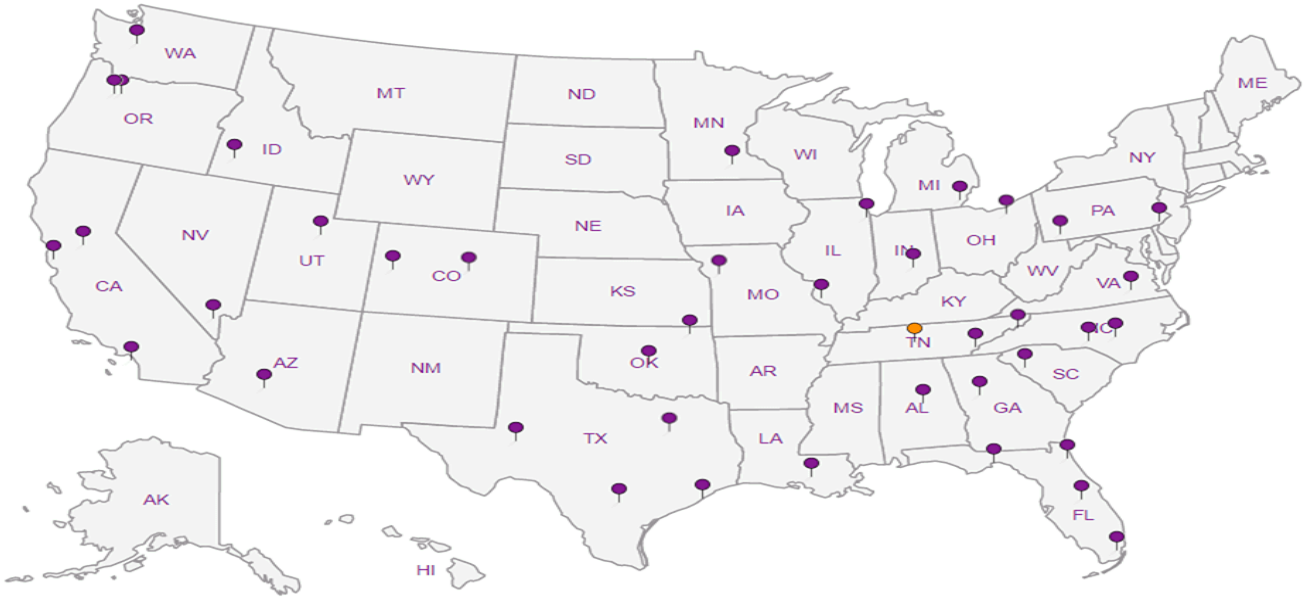
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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: **Bill Haldeman**	Email To: **bhaldeman@pesenv.com**
Project Description: **American Linen Project**	City/State Collected: **Seattle, WA**
Phone: **206-529-3980** Fax: **206-529-3985**	Client Project # **1413.001.02.602**
Collected by (print): **SHANNON MCKERNAN**	Site/Facility ID # **1413.001.02.602**
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
	Lab Project # **PESENVSWA-ALP**
	P.O. #
	Quote #

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	NWTPHGX 40mlAmb HCl	TS 4ozClr-NoPres / 2x2oz Clr-No Pres	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-141-15	GRAB	SS	15	9/18/17	0905	5			X	X			-01
MW-141-35			35		1015	5			X	X			02
MW-141-46			46		1035	5			X	X			03
MW-141-56			56		1125	5			X	X			04
MW-141-65			65		1150	5			X	X			05
MW-141-75			75		1420	5			X	X			06
MW-141-85			85		1505	5			X	X			07
MW-141-95			95		1605	5			X	X			08
MW-141-105			105	9/19/17	0845	5			X	X			09
MW-141-105-N		GW	105		0900	3					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 # 774092709946

Relinquished by : (Signature)	Date: 9/19/17	Time: 1030	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8 °C Bottles Received: 48
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/20/17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

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

Chain of Custody Page 1 of 1

ESC LABORATORIES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L937802
Table E013
Acctnum: PESENVSWA
Template: T126586
Prelogin: P613274
TSR:
PB:
Shipped Via:

pMW 11

MEMORANDUM

TO: Project File **DATE:** October 16, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 18-19, 2017 – Soil and Groundwater Samples

LAB: ESC Lab ID L937802

Nine (9) soil samples and one (1) groundwater sample were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 18-19, 2017. 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.

The results are reported in ESC Sample Delivery Group (SDG) L937802. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L937802 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 18-19, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 0.8 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved waters from the date of sample collection. All holding time criteria were met.

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, 2-hexanone, and 2-butanone (MEK) associated with analytical batch WG1023207 (analyzed on September 21, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acrylonitrile, 2,2-dichloropropane, 4-methyl-2-pentanone (MIBK), and methyl tert-butyl ether associated with analytical batch WG1023207 (analyzed on September 26, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

- Batch WG1023529 (waters): Hexachloro-1,3-butadiene, naphthalene, and 1,2,3-trichlorobenzene were detected above the method detection limit (MDL) and below the RDL in the method blank. These compounds were not detected in the associated sample and no action is required.

Total Solids by SM 2540 G 2011:
Laboratory method blank was 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:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Field duplicate samples were not collected.

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 a non-client sample and on client sample MW-141-65. 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, LCS/LCSDs, MS/MSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

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

- LCSD (Batch WG1023207 for soils) RPDs for acetone and 2-butanone (MEK) exceed laboratory RPD criteria and are qualified (J3) by the laboratory. No action is taken since the spike recoveries are both 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 client sample MW-141-85 and a non-client sample within the analytical batches. The MS/MSD %Rs and RPDs for all target compounds are within the laboratory control criteria for soils and waters with the following exceptions:

- MSD (Batch WG1023207 for soils) RPDs for 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene exceed laboratory RPD criteria and are qualified (J3) by the laboratory. No action is taken since the spike recoveries are within but recovered wide. Refer to LCS/LCSD data for more information.
- MSD (Batch WG1023529 for waters) RPDs for multiple compounds exceed laboratory criteria and are qualified (J3) by the laboratory. No action is taken since the spike was performed on a non-client sample within the analytical batch and LCS/LCSD results are acceptable. Refer to LCS data for more information.

Other Quality Control Issues

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

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	09/25/2017 12:05	WG1023602

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.382 J	J0 J3	0.0113	0.0564	1	09/21/2017 20:18	WG1023207
Acrylonitrile	U		0.00202	0.0113	1	09/21/2017 20:18	WG1023207
Benzene	U		0.000305	0.00113	1	09/21/2017 20:18	WG1023207
Bromobenzene	U		0.000320	0.00113	1	09/21/2017 20:18	WG1023207
Bromodichloromethane	U		0.000287	0.00113	1	09/21/2017 20:18	WG1023207
Bromochloromethane	U		0.000440	0.00564	1	09/21/2017 20:18	WG1023207
Bromoform	U		0.000478	0.00113	1	09/21/2017 20:18	WG1023207
Bromomethane	U		0.00151	0.00564	1	09/21/2017 20:18	WG1023207
n-Butylbenzene	U		0.000291	0.00113	1	09/21/2017 20:18	WG1023207
sec-Butylbenzene	U		0.000227	0.00113	1	09/21/2017 20:18	WG1023207
tert-Butylbenzene	U		0.000232	0.00113	1	09/21/2017 20:18	WG1023207
Carbon disulfide	U		0.000249	0.00113	1	09/21/2017 20:18	WG1023207
Carbon tetrachloride	U		0.000370	0.00113	1	09/21/2017 20:18	WG1023207
Chlorobenzene	U		0.000239	0.00113	1	09/21/2017 20:18	WG1023207
Chlorodibromomethane	U		0.000421	0.00113	1	09/21/2017 20:18	WG1023207
Chloroethane	U		0.00107	0.00564	1	09/21/2017 20:18	WG1023207
Chloroform	U		0.000258	0.00564	1	09/21/2017 20:18	WG1023207
Chloromethane	U		0.000423	0.00282	1	09/21/2017 20:18	WG1023207
2-Chlorotoluene	U		0.000340	0.00113	1	09/21/2017 20:18	WG1023207
4-Chlorotoluene	U		0.000271	0.00113	1	09/21/2017 20:18	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00564	1	09/21/2017 20:18	WG1023207
1,2-Dibromoethane	U		0.000387	0.00113	1	09/21/2017 20:18	WG1023207
Dibromomethane	U		0.000431	0.00113	1	09/21/2017 20:18	WG1023207
1,2-Dichlorobenzene	U		0.000344	0.00113	1	09/21/2017 20:18	WG1023207
1,3-Dichlorobenzene	U		0.000270	0.00113	1	09/21/2017 20:18	WG1023207
1,4-Dichlorobenzene	U		0.000255	0.00113	1	09/21/2017 20:18	WG1023207
Dichlorodifluoromethane	U		0.000804	0.00564	1	09/21/2017 20:18	WG1023207
1,1-Dichloroethane	U		0.000224	0.00113	1	09/21/2017 20:18	WG1023207
1,2-Dichloroethane	U		0.000299	0.00113	1	09/21/2017 20:18	WG1023207
1,1-Dichloroethene	U		0.000342	0.00113	1	09/21/2017 20:18	WG1023207
cis-1,2-Dichloroethene	0.00128		0.000265	0.00113	1	09/21/2017 20:18	WG1023207
trans-1,2-Dichloroethene	U		0.000298	0.00113	1	09/21/2017 20:18	WG1023207
1,2-Dichloropropane	U		0.000404	0.00113	1	09/21/2017 20:18	WG1023207
1,1-Dichloropropene	U		0.000358	0.00113	1	09/21/2017 20:18	WG1023207
1,3-Dichloropropane	U		0.000234	0.00113	1	09/21/2017 20:18	WG1023207
cis-1,3-Dichloropropene	U		0.000296	0.00113	1	09/21/2017 20:18	WG1023207
trans-1,3-Dichloropropene	U		0.000301	0.00113	1	09/21/2017 20:18	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000878	0.00282	1	09/21/2017 20:18	WG1023207
2,2-Dichloropropane	U		0.000315	0.00113	1	09/21/2017 20:18	WG1023207
Di-isopropyl ether	U		0.000280	0.00113	1	09/21/2017 20:18	WG1023207
Ethylbenzene	U		0.000335	0.00113	1	09/21/2017 20:18	WG1023207
Hexachloro-1,3-butadiene	U		0.000386	0.00113	1	09/21/2017 20:18	WG1023207
2-Hexanone	U UJ	J0	0.00155	0.0113	1	09/21/2017 20:18	WG1023207
n-Hexane	U		0.000327	0.0113	1	09/21/2017 20:18	WG1023207
Iodomethane	U		0.00285	0.0113	1	09/21/2017 20:18	WG1023207
Isopropylbenzene	U		0.000274	0.00113	1	09/21/2017 20:18	WG1023207
p-Isopropyltoluene	U		0.000230	0.00113	1	09/21/2017 20:18	WG1023207
2-Butanone (MEK)	0.179 J	J0 J3	0.00528	0.0113	1	09/21/2017 20:18	WG1023207
Methylene Chloride	U		0.00113	0.00564	1	09/21/2017 20:18	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00212	0.0113	1	09/21/2017 20:18	WG1023207

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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	09/21/2017 20:18	WG1023207
Naphthalene	U		0.00113	0.00564	1	09/21/2017 20:18	WG1023207
n-Propylbenzene	U		0.000232	0.00113	1	09/21/2017 20:18	WG1023207
Styrene	U		0.000264	0.00113	1	09/21/2017 20:18	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000298	0.00113	1	09/21/2017 20:18	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000412	0.00113	1	09/21/2017 20:18	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000412	0.00113	1	09/21/2017 20:18	WG1023207
Tetrachloroethene	U		0.000311	0.00113	1	09/21/2017 20:18	WG1023207
Toluene	U		0.000490	0.00564	1	09/21/2017 20:18	WG1023207
1,2,3-Trichlorobenzene	U		0.000345	0.00113	1	09/21/2017 20:18	WG1023207
1,2,4-Trichlorobenzene	U		0.000438	0.00113	1	09/21/2017 20:18	WG1023207
1,1,1-Trichloroethane	U		0.000323	0.00113	1	09/21/2017 20:18	WG1023207
1,1,2-Trichloroethane	U		0.000312	0.00113	1	09/21/2017 20:18	WG1023207
Trichloroethene	U		0.000315	0.00113	1	09/21/2017 20:18	WG1023207
Trichlorofluoromethane	U		0.000431	0.00564	1	09/21/2017 20:18	WG1023207
1,2,3-Trichloropropane	U		0.000836	0.00282	1	09/21/2017 20:18	WG1023207
1,2,4-Trimethylbenzene	U		0.000238	0.00113	1	09/21/2017 20:18	WG1023207
1,2,3-Trimethylbenzene	U		0.000324	0.00113	1	09/21/2017 20:18	WG1023207
1,3,5-Trimethylbenzene	U		0.000300	0.00113	1	09/21/2017 20:18	WG1023207
Vinyl acetate	U		0.00270	0.0113	1	09/21/2017 20:18	WG1023207
Vinyl chloride	0.000388 J	J	0.000328	0.00113	1	09/21/2017 20:18	WG1023207
Xylenes, Total	U		0.000787	0.00338	1	09/21/2017 20:18	WG1023207
(S) Toluene-d8	*96.0*			*80.0-120*		*09/21/2017 20:18*	WG1023207
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/21/2017 20:18*	WG1023207
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/21/2017 20:18*	WG1023207

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.2		1	09/25/2017 12:05	WG1023602

Volatile Organic Compounds (GC/MS) 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 J3	0.0116	0.0580	1	09/21/2017 20:36	WG1023207
Acrylonitrile	U		0.00208	0.0116	1	09/21/2017 20:36	WG1023207
Benzene	U		0.000313	0.00116	1	09/21/2017 20:36	WG1023207
Bromobenzene	U		0.000330	0.00116	1	09/21/2017 20:36	WG1023207
Bromodichloromethane	U		0.000295	0.00116	1	09/21/2017 20:36	WG1023207
Bromochloromethane	U		0.000452	0.00580	1	09/21/2017 20:36	WG1023207
Bromoform	U		0.000492	0.00116	1	09/21/2017 20:36	WG1023207
Bromomethane	U		0.00155	0.00580	1	09/21/2017 20:36	WG1023207
n-Butylbenzene	U		0.000299	0.00116	1	09/21/2017 20:36	WG1023207
sec-Butylbenzene	U		0.000233	0.00116	1	09/21/2017 20:36	WG1023207
tert-Butylbenzene	U		0.000239	0.00116	1	09/21/2017 20:36	WG1023207
Carbon disulfide	0.000351 J	J	0.000256	0.00116	1	09/21/2017 20:36	WG1023207
Carbon tetrachloride	U		0.000381	0.00116	1	09/21/2017 20:36	WG1023207
Chlorobenzene	U		0.000246	0.00116	1	09/21/2017 20:36	WG1023207
Chlorodibromomethane	U		0.000433	0.00116	1	09/21/2017 20:36	WG1023207
Chloroethane	U		0.00110	0.00580	1	09/21/2017 20:36	WG1023207
Chloroform	U		0.000266	0.00580	1	09/21/2017 20:36	WG1023207
Chloromethane	U		0.000435	0.00290	1	09/21/2017 20:36	WG1023207
2-Chlorotoluene	U		0.000349	0.00116	1	09/21/2017 20:36	WG1023207
4-Chlorotoluene	U		0.000278	0.00116	1	09/21/2017 20:36	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00580	1	09/21/2017 20:36	WG1023207
1,2-Dibromoethane	U		0.000398	0.00116	1	09/21/2017 20:36	WG1023207
Dibromomethane	U		0.000443	0.00116	1	09/21/2017 20:36	WG1023207
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/21/2017 20:36	WG1023207
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/21/2017 20:36	WG1023207
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/21/2017 20:36	WG1023207
Dichlorodifluoromethane	U		0.000827	0.00580	1	09/21/2017 20:36	WG1023207
1,1-Dichloroethane	U		0.000231	0.00116	1	09/21/2017 20:36	WG1023207
1,2-Dichloroethane	U		0.000307	0.00116	1	09/21/2017 20:36	WG1023207
1,1-Dichloroethene	U		0.000352	0.00116	1	09/21/2017 20:36	WG1023207
cis-1,2-Dichloroethene	0.000473 J	J	0.000273	0.00116	1	09/21/2017 20:36	WG1023207
trans-1,2-Dichloroethene	U		0.000306	0.00116	1	09/21/2017 20:36	WG1023207
1,2-Dichloropropane	U		0.000415	0.00116	1	09/21/2017 20:36	WG1023207
1,1-Dichloropropene	U		0.000368	0.00116	1	09/21/2017 20:36	WG1023207
1,3-Dichloropropane	U		0.000240	0.00116	1	09/21/2017 20:36	WG1023207
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/21/2017 20:36	WG1023207
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/21/2017 20:36	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	09/21/2017 20:36	WG1023207
2,2-Dichloropropane	U		0.000324	0.00116	1	09/21/2017 20:36	WG1023207
Di-isopropyl ether	U		0.000288	0.00116	1	09/21/2017 20:36	WG1023207
Ethylbenzene	U		0.000345	0.00116	1	09/21/2017 20:36	WG1023207
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/21/2017 20:36	WG1023207
2-Hexanone	U UJ	J0	0.00159	0.0116	1	09/21/2017 20:36	WG1023207
n-Hexane	0.000542 J	J	0.000336	0.0116	1	09/21/2017 20:36	WG1023207
Iodomethane	U		0.00294	0.0116	1	09/21/2017 20:36	WG1023207
Isopropylbenzene	U		0.000282	0.00116	1	09/21/2017 20:36	WG1023207
p-Isopropyltoluene	U		0.000237	0.00116	1	09/21/2017 20:36	WG1023207
2-Butanone (MEK)	U UJ	J0 J3	0.00543	0.0116	1	09/21/2017 20:36	WG1023207
Methylene Chloride	U		0.00116	0.00580	1	09/21/2017 20:36	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/21/2017 20:36	WG1023207

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

Analyte	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	09/21/2017 20:36	WG1023207
Naphthalene	U		0.00116	0.00580	1	09/21/2017 20:36	WG1023207
n-Propylbenzene	U		0.000239	0.00116	1	09/21/2017 20:36	WG1023207
Styrene	U		0.000271	0.00116	1	09/21/2017 20:36	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/21/2017 20:36	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/21/2017 20:36	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/21/2017 20:36	WG1023207
Tetrachloroethene	U		0.000320	0.00116	1	09/21/2017 20:36	WG1023207
Toluene	U		0.000504	0.00580	1	09/21/2017 20:36	WG1023207
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/21/2017 20:36	WG1023207
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	09/21/2017 20:36	WG1023207
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/21/2017 20:36	WG1023207
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/21/2017 20:36	WG1023207
Trichloroethene	U		0.000324	0.00116	1	09/21/2017 20:36	WG1023207
Trichlorofluoromethane	U		0.000443	0.00580	1	09/21/2017 20:36	WG1023207
1,2,3-Trichloropropane	U		0.000860	0.00290	1	09/21/2017 20:36	WG1023207
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/21/2017 20:36	WG1023207
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/21/2017 20:36	WG1023207
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/21/2017 20:36	WG1023207
Vinyl acetate	U		0.00277	0.0116	1	09/21/2017 20:36	WG1023207
Vinyl chloride	U		0.000338	0.00116	1	09/21/2017 20:36	WG1023207
Xylenes, Total	U		0.000810	0.00348	1	09/21/2017 20:36	WG1023207
(S) Toluene-d8	*94.0*			*80.0-120*		*09/21/2017 20:36*	WG1023207
(S) Dibromofluoromethane	*119*			*74.0-131*		*09/21/2017 20:36*	WG1023207
(S) 4-Bromofluorobenzene	*105*			*64.0-132*		*09/21/2017 20:36*	WG1023207

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/25/2017 12:05	WG1023602

Volatile Organic Compounds (GC/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 J0 J3	0.0109	0.0547	1	09/21/2017 20:53	WG1023207
Acrylonitrile	U		0.00196	0.0109	1	09/21/2017 20:53	WG1023207
Benzene	U		0.000295	0.00109	1	09/21/2017 20:53	WG1023207
Bromobenzene	U		0.000311	0.00109	1	09/21/2017 20:53	WG1023207
Bromodichloromethane	U		0.000278	0.00109	1	09/21/2017 20:53	WG1023207
Bromochloromethane	U		0.000426	0.00547	1	09/21/2017 20:53	WG1023207
Bromoform	U		0.000464	0.00109	1	09/21/2017 20:53	WG1023207
Bromomethane	U		0.00147	0.00547	1	09/21/2017 20:53	WG1023207
n-Butylbenzene	U		0.000282	0.00109	1	09/21/2017 20:53	WG1023207
sec-Butylbenzene	U		0.000220	0.00109	1	09/21/2017 20:53	WG1023207
tert-Butylbenzene	U		0.000225	0.00109	1	09/21/2017 20:53	WG1023207
Carbon disulfide	0.00126		0.000242	0.00109	1	09/21/2017 20:53	WG1023207
Carbon tetrachloride	U		0.000359	0.00109	1	09/21/2017 20:53	WG1023207
Chlorobenzene	U		0.000232	0.00109	1	09/21/2017 20:53	WG1023207
Chlorodibromomethane	U		0.000408	0.00109	1	09/21/2017 20:53	WG1023207
Chloroethane	U		0.00103	0.00547	1	09/21/2017 20:53	WG1023207
Chloroform	U		0.000250	0.00547	1	09/21/2017 20:53	WG1023207
Chloromethane	U		0.000410	0.00273	1	09/21/2017 20:53	WG1023207
2-Chlorotoluene	U		0.000329	0.00109	1	09/21/2017 20:53	WG1023207
4-Chlorotoluene	U		0.000262	0.00109	1	09/21/2017 20:53	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00115	0.00547	1	09/21/2017 20:53	WG1023207
1,2-Dibromoethane	U		0.000375	0.00109	1	09/21/2017 20:53	WG1023207
Dibromomethane	U		0.000418	0.00109	1	09/21/2017 20:53	WG1023207
1,2-Dichlorobenzene	U		0.000333	0.00109	1	09/21/2017 20:53	WG1023207
1,3-Dichlorobenzene	U		0.000261	0.00109	1	09/21/2017 20:53	WG1023207
1,4-Dichlorobenzene	U		0.000247	0.00109	1	09/21/2017 20:53	WG1023207
Dichlorodifluoromethane	U		0.000780	0.00547	1	09/21/2017 20:53	WG1023207
1,1-Dichloroethane	U		0.000218	0.00109	1	09/21/2017 20:53	WG1023207
1,2-Dichloroethane	U		0.000290	0.00109	1	09/21/2017 20:53	WG1023207
1,1-Dichloroethene	U		0.000331	0.00109	1	09/21/2017 20:53	WG1023207
cis-1,2-Dichloroethene	0.00329		0.000257	0.00109	1	09/21/2017 20:53	WG1023207
trans-1,2-Dichloroethene	U		0.000289	0.00109	1	09/21/2017 20:53	WG1023207
1,2-Dichloropropane	U		0.000391	0.00109	1	09/21/2017 20:53	WG1023207
1,1-Dichloropropene	U		0.000347	0.00109	1	09/21/2017 20:53	WG1023207
1,3-Dichloropropane	U		0.000226	0.00109	1	09/21/2017 20:53	WG1023207
cis-1,3-Dichloropropene	U		0.000286	0.00109	1	09/21/2017 20:53	WG1023207
trans-1,3-Dichloropropene	U		0.000292	0.00109	1	09/21/2017 20:53	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000851	0.00273	1	09/21/2017 20:53	WG1023207
2,2-Dichloropropane	U		0.000305	0.00109	1	09/21/2017 20:53	WG1023207
Di-isopropyl ether	U		0.000271	0.00109	1	09/21/2017 20:53	WG1023207
Ethylbenzene	U		0.000325	0.00109	1	09/21/2017 20:53	WG1023207
Hexachloro-1,3-butadiene	U		0.000374	0.00109	1	09/21/2017 20:53	WG1023207
2-Hexanone	U UJ	J0	0.00150	0.0109	1	09/21/2017 20:53	WG1023207
n-Hexane	0.00427 J	J	0.000317	0.0109	1	09/21/2017 20:53	WG1023207
Iodomethane	U		0.00277	0.0109	1	09/21/2017 20:53	WG1023207
Isopropylbenzene	U		0.000266	0.00109	1	09/21/2017 20:53	WG1023207
p-Isopropyltoluene	U		0.000223	0.00109	1	09/21/2017 20:53	WG1023207
2-Butanone (MEK)	U	UJ J0 J3	0.00512	0.0109	1	09/21/2017 20:53	WG1023207
Methylene Chloride	U		0.00109	0.00547	1	09/21/2017 20:53	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00206	0.0109	1	09/21/2017 20:53	WG1023207

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

Analyte	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	09/21/2017 20:53	WG1023207
Naphthalene	U		0.00109	0.00547	1	09/21/2017 20:53	WG1023207
n-Propylbenzene	U		0.000225	0.00109	1	09/21/2017 20:53	WG1023207
Styrene	U		0.000256	0.00109	1	09/21/2017 20:53	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000289	0.00109	1	09/21/2017 20:53	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000399	0.00109	1	09/21/2017 20:53	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000399	0.00109	1	09/21/2017 20:53	WG1023207
Tetrachloroethene	0.000357 J	J	0.000302	0.00109	1	09/21/2017 20:53	WG1023207
Toluene	U		0.000475	0.00547	1	09/21/2017 20:53	WG1023207
1,2,3-Trichlorobenzene	U		0.000335	0.00109	1	09/21/2017 20:53	WG1023207
1,2,4-Trichlorobenzene	U		0.000424	0.00109	1	09/21/2017 20:53	WG1023207
1,1,1-Trichloroethane	U		0.000313	0.00109	1	09/21/2017 20:53	WG1023207
1,1,2-Trichloroethane	U		0.000303	0.00109	1	09/21/2017 20:53	WG1023207
Trichloroethene	0.000424 J	J	0.000305	0.00109	1	09/21/2017 20:53	WG1023207
Trichlorofluoromethane	U		0.000418	0.00547	1	09/21/2017 20:53	WG1023207
1,2,3-Trichloropropane	U		0.000810	0.00273	1	09/21/2017 20:53	WG1023207
1,2,4-Trimethylbenzene	U		0.000231	0.00109	1	09/21/2017 20:53	WG1023207
1,2,3-Trimethylbenzene	U		0.000314	0.00109	1	09/21/2017 20:53	WG1023207
1,3,5-Trimethylbenzene	U		0.000291	0.00109	1	09/21/2017 20:53	WG1023207
Vinyl acetate	U		0.00261	0.0109	1	09/21/2017 20:53	WG1023207
Vinyl chloride	0.00194		0.000318	0.00109	1	09/21/2017 20:53	WG1023207
Xylenes, Total	U		0.000763	0.00328	1	09/21/2017 20:53	WG1023207
(S) Toluene-d8	*93.8*			*80.0-120*		*09/21/2017 20:53*	WG1023207
(S) Dibromofluoromethane	*116*			*74.0-131*		*09/21/2017 20:53*	WG1023207
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/21/2017 20:53*	WG1023207

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	09/25/2017 12:05	WG1023602

Volatile Organic Compounds (GC/MS) 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 J3	0.0106	0.0532	1	09/21/2017 21:11	WG1023207
Acrylonitrile	U		0.00190	0.0106	1	09/21/2017 21:11	WG1023207
Benzene	U		0.000287	0.00106	1	09/21/2017 21:11	WG1023207
Bromobenzene	U		0.000302	0.00106	1	09/21/2017 21:11	WG1023207
Bromodichloromethane	U		0.000270	0.00106	1	09/21/2017 21:11	WG1023207
Bromochloromethane	U		0.000415	0.00532	1	09/21/2017 21:11	WG1023207
Bromoform	U		0.000451	0.00106	1	09/21/2017 21:11	WG1023207
Bromomethane	U		0.00143	0.00532	1	09/21/2017 21:11	WG1023207
n-Butylbenzene	U		0.000274	0.00106	1	09/21/2017 21:11	WG1023207
sec-Butylbenzene	U		0.000214	0.00106	1	09/21/2017 21:11	WG1023207
tert-Butylbenzene	U		0.000219	0.00106	1	09/21/2017 21:11	WG1023207
Carbon disulfide	0.000836 J	J	0.000235	0.00106	1	09/21/2017 21:11	WG1023207
Carbon tetrachloride	U		0.000349	0.00106	1	09/21/2017 21:11	WG1023207
Chlorobenzene	U		0.000226	0.00106	1	09/21/2017 21:11	WG1023207
Chlorodibromomethane	U		0.000397	0.00106	1	09/21/2017 21:11	WG1023207
Chloroethane	U		0.00101	0.00532	1	09/21/2017 21:11	WG1023207
Chloroform	U		0.000244	0.00532	1	09/21/2017 21:11	WG1023207
Chloromethane	U		0.000399	0.00266	1	09/21/2017 21:11	WG1023207
2-Chlorotoluene	U		0.000320	0.00106	1	09/21/2017 21:11	WG1023207
4-Chlorotoluene	U		0.000255	0.00106	1	09/21/2017 21:11	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00532	1	09/21/2017 21:11	WG1023207
1,2-Dibromoethane	U		0.000365	0.00106	1	09/21/2017 21:11	WG1023207
Dibromomethane	U		0.000406	0.00106	1	09/21/2017 21:11	WG1023207
1,2-Dichlorobenzene	U		0.000324	0.00106	1	09/21/2017 21:11	WG1023207
1,3-Dichlorobenzene	U		0.000254	0.00106	1	09/21/2017 21:11	WG1023207
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/21/2017 21:11	WG1023207
Dichlorodifluoromethane	U		0.000758	0.00532	1	09/21/2017 21:11	WG1023207
1,1-Dichloroethane	U		0.000212	0.00106	1	09/21/2017 21:11	WG1023207
1,2-Dichloroethane	U		0.000282	0.00106	1	09/21/2017 21:11	WG1023207
1,1-Dichloroethene	U		0.000322	0.00106	1	09/21/2017 21:11	WG1023207
cis-1,2-Dichloroethene	0.000474 J	J	0.000250	0.00106	1	09/21/2017 21:11	WG1023207
trans-1,2-Dichloroethene	U		0.000281	0.00106	1	09/21/2017 21:11	WG1023207
1,2-Dichloropropane	U		0.000381	0.00106	1	09/21/2017 21:11	WG1023207
1,1-Dichloropropene	U		0.000337	0.00106	1	09/21/2017 21:11	WG1023207
1,3-Dichloropropane	U		0.000220	0.00106	1	09/21/2017 21:11	WG1023207
cis-1,3-Dichloropropene	U		0.000279	0.00106	1	09/21/2017 21:11	WG1023207
trans-1,3-Dichloropropene	U		0.000284	0.00106	1	09/21/2017 21:11	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000828	0.00266	1	09/21/2017 21:11	WG1023207
2,2-Dichloropropane	U		0.000297	0.00106	1	09/21/2017 21:11	WG1023207
Di-isopropyl ether	U		0.000264	0.00106	1	09/21/2017 21:11	WG1023207
Ethylbenzene	U		0.000316	0.00106	1	09/21/2017 21:11	WG1023207
Hexachloro-1,3-butadiene	U		0.000364	0.00106	1	09/21/2017 21:11	WG1023207
2-Hexanone	U UJ	J0	0.00146	0.0106	1	09/21/2017 21:11	WG1023207
n-Hexane	0.00226 J	J	0.000308	0.0106	1	09/21/2017 21:11	WG1023207
Iodomethane	U		0.00269	0.0106	1	09/21/2017 21:11	WG1023207
Isopropylbenzene	U		0.000258	0.00106	1	09/21/2017 21:11	WG1023207
p-Isopropyltoluene	U		0.000217	0.00106	1	09/21/2017 21:11	WG1023207
2-Butanone (MEK)	U UJ	J0 J3	0.00498	0.0106	1	09/21/2017 21:11	WG1023207
Methylene Chloride	U		0.00106	0.00532	1	09/21/2017 21:11	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	09/21/2017 21:11	WG1023207

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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		0.000226	0.00106	1	09/21/2017 21:11	WG1023207
Naphthalene	U		0.00106	0.00532	1	09/21/2017 21:11	WG1023207
n-Propylbenzene	U		0.000219	0.00106	1	09/21/2017 21:11	WG1023207
Styrene	U		0.000249	0.00106	1	09/21/2017 21:11	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000281	0.00106	1	09/21/2017 21:11	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	09/21/2017 21:11	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	09/21/2017 21:11	WG1023207
Tetrachloroethene	U		0.000294	0.00106	1	09/21/2017 21:11	WG1023207
Toluene	U		0.000462	0.00532	1	09/21/2017 21:11	WG1023207
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	09/21/2017 21:11	WG1023207
1,2,4-Trichlorobenzene	U		0.000413	0.00106	1	09/21/2017 21:11	WG1023207
1,1,1-Trichloroethane	U		0.000304	0.00106	1	09/21/2017 21:11	WG1023207
1,1,2-Trichloroethane	U		0.000295	0.00106	1	09/21/2017 21:11	WG1023207
Trichloroethene	U		0.000297	0.00106	1	09/21/2017 21:11	WG1023207
Trichlorofluoromethane	U		0.000406	0.00532	1	09/21/2017 21:11	WG1023207
1,2,3-Trichloropropane	U		0.000788	0.00266	1	09/21/2017 21:11	WG1023207
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	09/21/2017 21:11	WG1023207
1,2,3-Trimethylbenzene	U		0.000305	0.00106	1	09/21/2017 21:11	WG1023207
1,3,5-Trimethylbenzene	U		0.000283	0.00106	1	09/21/2017 21:11	WG1023207
Vinyl acetate	U		0.00254	0.0106	1	09/21/2017 21:11	WG1023207
Vinyl chloride	U		0.000310	0.00106	1	09/21/2017 21:11	WG1023207
Xylenes, Total	U		0.000742	0.00319	1	09/21/2017 21:11	WG1023207
(S) Toluene-d8	*92.9*			*80.0-120*		*09/21/2017 21:11*	WG1023207
(S) Dibromofluoromethane	*118*			*74.0-131*		*09/21/2017 21:11*	WG1023207
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/21/2017 21:11*	WG1023207

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	09/25/2017 12:28	WG1023603

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0110 J	J J0 J3	0.0105	0.0526	1	09/21/2017 21:28	WG1023207
Acrylonitrile	U		0.00188	0.0105	1	09/21/2017 21:28	WG1023207
Benzene	U		0.000284	0.00105	1	09/21/2017 21:28	WG1023207
Bromobenzene	U		0.000299	0.00105	1	09/21/2017 21:28	WG1023207
Bromodichloromethane	U		0.000267	0.00105	1	09/21/2017 21:28	WG1023207
Bromochloromethane	U		0.000410	0.00526	1	09/21/2017 21:28	WG1023207
Bromoform	U		0.000446	0.00105	1	09/21/2017 21:28	WG1023207
Bromomethane	U		0.00141	0.00526	1	09/21/2017 21:28	WG1023207
n-Butylbenzene	U		0.000271	0.00105	1	09/21/2017 21:28	WG1023207
sec-Butylbenzene	U		0.000211	0.00105	1	09/21/2017 21:28	WG1023207
tert-Butylbenzene	U		0.000217	0.00105	1	09/21/2017 21:28	WG1023207
Carbon disulfide	0.000894 J	J	0.000232	0.00105	1	09/21/2017 21:28	WG1023207
Carbon tetrachloride	U		0.000345	0.00105	1	09/21/2017 21:28	WG1023207
Chlorobenzene	U		0.000223	0.00105	1	09/21/2017 21:28	WG1023207
Chlorodibromomethane	U		0.000392	0.00105	1	09/21/2017 21:28	WG1023207
Chloroethane	U		0.000995	0.00526	1	09/21/2017 21:28	WG1023207
Chloroform	U		0.000241	0.00526	1	09/21/2017 21:28	WG1023207
Chloromethane	U		0.000394	0.00263	1	09/21/2017 21:28	WG1023207
2-Chlorotoluene	U		0.000317	0.00105	1	09/21/2017 21:28	WG1023207
4-Chlorotoluene	U		0.000252	0.00105	1	09/21/2017 21:28	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00110	0.00526	1	09/21/2017 21:28	WG1023207
1,2-Dibromoethane	U		0.000361	0.00105	1	09/21/2017 21:28	WG1023207
Dibromomethane	U		0.000402	0.00105	1	09/21/2017 21:28	WG1023207
1,2-Dichlorobenzene	U		0.000321	0.00105	1	09/21/2017 21:28	WG1023207
1,3-Dichlorobenzene	U		0.000251	0.00105	1	09/21/2017 21:28	WG1023207
1,4-Dichlorobenzene	U		0.000238	0.00105	1	09/21/2017 21:28	WG1023207
Dichlorodifluoromethane	U		0.000750	0.00526	1	09/21/2017 21:28	WG1023207
1,1-Dichloroethane	U		0.000209	0.00105	1	09/21/2017 21:28	WG1023207
1,2-Dichloroethane	U		0.000279	0.00105	1	09/21/2017 21:28	WG1023207
1,1-Dichloroethene	U		0.000319	0.00105	1	09/21/2017 21:28	WG1023207
cis-1,2-Dichloroethene	U		0.000247	0.00105	1	09/21/2017 21:28	WG1023207
trans-1,2-Dichloroethene	U		0.000278	0.00105	1	09/21/2017 21:28	WG1023207
1,2-Dichloropropane	U		0.000377	0.00105	1	09/21/2017 21:28	WG1023207
1,1-Dichloropropene	U		0.000333	0.00105	1	09/21/2017 21:28	WG1023207
1,3-Dichloropropane	U		0.000218	0.00105	1	09/21/2017 21:28	WG1023207
cis-1,3-Dichloropropene	U		0.000276	0.00105	1	09/21/2017 21:28	WG1023207
trans-1,3-Dichloropropene	U		0.000281	0.00105	1	09/21/2017 21:28	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000818	0.00263	1	09/21/2017 21:28	WG1023207
2,2-Dichloropropane	U		0.000293	0.00105	1	09/21/2017 21:28	WG1023207
Di-isopropyl ether	U		0.000261	0.00105	1	09/21/2017 21:28	WG1023207
Ethylbenzene	U		0.000312	0.00105	1	09/21/2017 21:28	WG1023207
Hexachloro-1,3-butadiene	U		0.000360	0.00105	1	09/21/2017 21:28	WG1023207
2-Hexanone	U UJ	J0	0.00144	0.0105	1	09/21/2017 21:28	WG1023207
n-Hexane	0.00497 J	J	0.000305	0.0105	1	09/21/2017 21:28	WG1023207
Iodomethane	U		0.00266	0.0105	1	09/21/2017 21:28	WG1023207
Isopropylbenzene	U		0.000256	0.00105	1	09/21/2017 21:28	WG1023207
p-Isopropyltoluene	U		0.000215	0.00105	1	09/21/2017 21:28	WG1023207
2-Butanone (MEK)	U UJ	J0 J3	0.00492	0.0105	1	09/21/2017 21:28	WG1023207
Methylene Chloride	U		0.00105	0.00526	1	09/21/2017 21:28	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00198	0.0105	1	09/21/2017 21:28	WG1023207

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000223	0.00105	1	09/21/2017 21:28	WG1023207
Naphthalene	U		0.00105	0.00526	1	09/21/2017 21:28	WG1023207
n-Propylbenzene	U		0.000217	0.00105	1	09/21/2017 21:28	WG1023207
Styrene	U		0.000246	0.00105	1	09/21/2017 21:28	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000278	0.00105	1	09/21/2017 21:28	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000384	0.00105	1	09/21/2017 21:28	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000384	0.00105	1	09/21/2017 21:28	WG1023207
Tetrachloroethene	U		0.000290	0.00105	1	09/21/2017 21:28	WG1023207
Toluene	U		0.000457	0.00526	1	09/21/2017 21:28	WG1023207
1,2,3-Trichlorobenzene	U		0.000322	0.00105	1	09/21/2017 21:28	WG1023207
1,2,4-Trichlorobenzene	U		0.000408	0.00105	1	09/21/2017 21:28	WG1023207
1,1,1-Trichloroethane	U		0.000301	0.00105	1	09/21/2017 21:28	WG1023207
1,1,2-Trichloroethane	U		0.000291	0.00105	1	09/21/2017 21:28	WG1023207
Trichloroethene	U		0.000293	0.00105	1	09/21/2017 21:28	WG1023207
Trichlorofluoromethane	U		0.000402	0.00526	1	09/21/2017 21:28	WG1023207
1,2,3-Trichloropropane	U		0.000779	0.00263	1	09/21/2017 21:28	WG1023207
1,2,4-Trimethylbenzene	U		0.000222	0.00105	1	09/21/2017 21:28	WG1023207
1,2,3-Trimethylbenzene	U		0.000302	0.00105	1	09/21/2017 21:28	WG1023207
1,3,5-Trimethylbenzene	U		0.000280	0.00105	1	09/21/2017 21:28	WG1023207
Vinyl acetate	U		0.00251	0.0105	1	09/21/2017 21:28	WG1023207
Vinyl chloride	U		0.000306	0.00105	1	09/21/2017 21:28	WG1023207
Xylenes, Total	U		0.000734	0.00316	1	09/21/2017 21:28	WG1023207
(S) Toluene-d8	*93.4*			*80.0-120*		*09/21/2017 21:28*	WG1023207
(S) Dibromofluoromethane	*116*			*74.0-131*		*09/21/2017 21:28*	WG1023207
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/21/2017 21:28*	WG1023207

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	09/25/2017 12:28	WG1023603

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0160 J	J J0 J3	0.0107	0.0533	1	09/21/2017 21:45	WG1023207
Acrylonitrile	U		0.00191	0.0107	1	09/21/2017 21:45	WG1023207
Benzene	0.000480 J	J	0.000288	0.00107	1	09/21/2017 21:45	WG1023207
Bromobenzene	U		0.000303	0.00107	1	09/21/2017 21:45	WG1023207
Bromodichloromethane	U		0.000271	0.00107	1	09/21/2017 21:45	WG1023207
Bromochloromethane	U		0.000416	0.00533	1	09/21/2017 21:45	WG1023207
Bromoform	U		0.000452	0.00107	1	09/21/2017 21:45	WG1023207
Bromomethane	U		0.00143	0.00533	1	09/21/2017 21:45	WG1023207
n-Butylbenzene	U		0.000275	0.00107	1	09/21/2017 21:45	WG1023207
sec-Butylbenzene	U		0.000214	0.00107	1	09/21/2017 21:45	WG1023207
tert-Butylbenzene	U		0.000220	0.00107	1	09/21/2017 21:45	WG1023207
Carbon disulfide	0.00357		0.000236	0.00107	1	09/21/2017 21:45	WG1023207
Carbon tetrachloride	U		0.000350	0.00107	1	09/21/2017 21:45	WG1023207
Chlorobenzene	U		0.000226	0.00107	1	09/21/2017 21:45	WG1023207
Chlorodibromomethane	U		0.000398	0.00107	1	09/21/2017 21:45	WG1023207
Chloroethane	U		0.00101	0.00533	1	09/21/2017 21:45	WG1023207
Chloroform	U		0.000244	0.00533	1	09/21/2017 21:45	WG1023207
Chloromethane	U		0.000400	0.00266	1	09/21/2017 21:45	WG1023207
2-Chlorotoluene	U		0.000321	0.00107	1	09/21/2017 21:45	WG1023207
4-Chlorotoluene	U		0.000256	0.00107	1	09/21/2017 21:45	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00533	1	09/21/2017 21:45	WG1023207
1,2-Dibromoethane	U		0.000366	0.00107	1	09/21/2017 21:45	WG1023207
Dibromomethane	U		0.000407	0.00107	1	09/21/2017 21:45	WG1023207
1,2-Dichlorobenzene	U		0.000325	0.00107	1	09/21/2017 21:45	WG1023207
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/21/2017 21:45	WG1023207
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/21/2017 21:45	WG1023207
Dichlorodifluoromethane	U		0.000760	0.00533	1	09/21/2017 21:45	WG1023207
1,1-Dichloroethane	U		0.000212	0.00107	1	09/21/2017 21:45	WG1023207
1,2-Dichloroethane	U		0.000282	0.00107	1	09/21/2017 21:45	WG1023207
1,1-Dichloroethene	U		0.000323	0.00107	1	09/21/2017 21:45	WG1023207
cis-1,2-Dichloroethene	U		0.000251	0.00107	1	09/21/2017 21:45	WG1023207
trans-1,2-Dichloroethene	U		0.000281	0.00107	1	09/21/2017 21:45	WG1023207
1,2-Dichloropropane	U		0.000382	0.00107	1	09/21/2017 21:45	WG1023207
1,1-Dichloropropene	U		0.000338	0.00107	1	09/21/2017 21:45	WG1023207
1,3-Dichloropropane	U		0.000221	0.00107	1	09/21/2017 21:45	WG1023207
cis-1,3-Dichloropropene	U		0.000279	0.00107	1	09/21/2017 21:45	WG1023207
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/21/2017 21:45	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000829	0.00266	1	09/21/2017 21:45	WG1023207
2,2-Dichloropropane	U		0.000297	0.00107	1	09/21/2017 21:45	WG1023207
Di-isopropyl ether	U		0.000264	0.00107	1	09/21/2017 21:45	WG1023207
Ethylbenzene	U		0.000317	0.00107	1	09/21/2017 21:45	WG1023207
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/21/2017 21:45	WG1023207
2-Hexanone	U UJ	J0	0.00146	0.0107	1	09/21/2017 21:45	WG1023207
n-Hexane	0.00845 J	J	0.000309	0.0107	1	09/21/2017 21:45	WG1023207
Iodomethane	U		0.00270	0.0107	1	09/21/2017 21:45	WG1023207
Isopropylbenzene	U		0.000259	0.00107	1	09/21/2017 21:45	WG1023207
p-Isopropyltoluene	U		0.000217	0.00107	1	09/21/2017 21:45	WG1023207
2-Butanone (MEK)	U UJ	J0 J3	0.00499	0.0107	1	09/21/2017 21:45	WG1023207
Methylene Chloride	U		0.00107	0.00533	1	09/21/2017 21:45	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0107	1	09/21/2017 21:45	WG1023207

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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		0.000226	0.00107	1	09/21/2017 21:45	WG1023207
Naphthalene	U		0.00107	0.00533	1	09/21/2017 21:45	WG1023207
n-Propylbenzene	U		0.000220	0.00107	1	09/21/2017 21:45	WG1023207
Styrene	U		0.000249	0.00107	1	09/21/2017 21:45	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000281	0.00107	1	09/21/2017 21:45	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000389	0.00107	1	09/21/2017 21:45	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000389	0.00107	1	09/21/2017 21:45	WG1023207
Tetrachloroethene	U		0.000294	0.00107	1	09/21/2017 21:45	WG1023207
Toluene	U		0.000463	0.00533	1	09/21/2017 21:45	WG1023207
1,2,3-Trichlorobenzene	U		0.000326	0.00107	1	09/21/2017 21:45	WG1023207
1,2,4-Trichlorobenzene	U		0.000414	0.00107	1	09/21/2017 21:45	WG1023207
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/21/2017 21:45	WG1023207
1,1,2-Trichloroethane	U		0.000295	0.00107	1	09/21/2017 21:45	WG1023207
Trichloroethene	U		0.000297	0.00107	1	09/21/2017 21:45	WG1023207
Trichlorofluoromethane	U		0.000407	0.00533	1	09/21/2017 21:45	WG1023207
1,2,3-Trichloropropane	U		0.000790	0.00266	1	09/21/2017 21:45	WG1023207
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/21/2017 21:45	WG1023207
1,2,3-Trimethylbenzene	U		0.000306	0.00107	1	09/21/2017 21:45	WG1023207
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/21/2017 21:45	WG1023207
Vinyl acetate	U		0.00255	0.0107	1	09/21/2017 21:45	WG1023207
Vinyl chloride	U		0.000310	0.00107	1	09/21/2017 21:45	WG1023207
Xylenes, Total	U		0.000744	0.00320	1	09/21/2017 21:45	WG1023207
(S) Toluene-d8	*91.7*			*80.0-120*		*09/21/2017 21:45*	WG1023207
(S) Dibromofluoromethane	*114*			*74.0-131*		*09/21/2017 21:45*	WG1023207
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/21/2017 21:45*	WG1023207

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.6		1	09/25/2017 12:28	WG1023603

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch	
	mg/kg		mg/kg	mg/kg		date / time		
Acetone	U	J3	0.0117	0.0584	1	09/26/2017 16:13	WG1023207	
Acrylonitrile	U UJ	J0	0.00209	0.0117	1	09/26/2017 16:13	WG1023207	
Benzene	U		0.000315	0.00117	1	09/26/2017 16:13	WG1023207	
Bromobenzene	U		0.000332	0.00117	1	09/26/2017 16:13	WG1023207	
Bromodichloromethane	U		0.000297	0.00117	1	09/26/2017 16:13	WG1023207	
Bromochloromethane	U		0.000455	0.00584	1	09/26/2017 16:13	WG1023207	
Bromoform	U		0.000495	0.00117	1	09/26/2017 16:13	WG1023207	
Bromomethane	U		0.00156	0.00584	1	09/26/2017 16:13	WG1023207	
n-Butylbenzene	U		0.000301	0.00117	1	09/26/2017 16:13	WG1023207	
sec-Butylbenzene	U		0.000235	0.00117	1	09/26/2017 16:13	WG1023207	
tert-Butylbenzene	U		0.000241	0.00117	1	09/26/2017 16:13	WG1023207	
Carbon disulfide	0.000448 J	J	0.000258	0.00117	1	09/26/2017 16:13	WG1023207	
Carbon tetrachloride	U		0.000383	0.00117	1	09/26/2017 16:13	WG1023207	
Chlorobenzene	U		0.000248	0.00117	1	09/26/2017 16:13	WG1023207	
Chlorodibromomethane	U		0.000436	0.00117	1	09/26/2017 16:13	WG1023207	
Chloroethane	U		0.00110	0.00584	1	09/26/2017 16:13	WG1023207	
Chloroform	U		0.000267	0.00584	1	09/26/2017 16:13	WG1023207	
Chloromethane	U		0.000438	0.00292	1	09/26/2017 16:13	WG1023207	
2-Chlorotoluene	U		0.000352	0.00117	1	09/26/2017 16:13	WG1023207	
4-Chlorotoluene	U		0.000280	0.00117	1	09/26/2017 16:13	WG1023207	
1,2-Dibromo-3-Chloropropane	U		0.00123	0.00584	1	09/26/2017 16:13	WG1023207	
1,2-Dibromoethane	U		0.000401	0.00117	1	09/26/2017 16:13	WG1023207	
Dibromomethane	U		0.000446	0.00117	1	09/26/2017 16:13	WG1023207	
1,2-Dichlorobenzene	U	J3	0.000356	0.00117	1	09/26/2017 16:13	WG1023207	
1,3-Dichlorobenzene	U	J3	0.000279	0.00117	1	09/26/2017 16:13	WG1023207	
1,4-Dichlorobenzene	U	J3	0.000264	0.00117	1	09/26/2017 16:13	WG1023207	
Dichlorodifluoromethane	U		0.000833	0.00584	1	09/26/2017 16:13	WG1023207	
1,1-Dichloroethane	U		0.000232	0.00117	1	09/26/2017 16:13	WG1023207	
1,2-Dichloroethane	U		0.000309	0.00117	1	09/26/2017 16:13	WG1023207	
1,1-Dichloroethene	U		0.000354	0.00117	1	09/26/2017 16:13	WG1023207	
cis-1,2-Dichloroethene	U		0.000274	0.00117	1	09/26/2017 16:13	WG1023207	
trans-1,2-Dichloroethene	U		0.000308	0.00117	1	09/26/2017 16:13	WG1023207	
1,2-Dichloropropane	U		0.000418	0.00117	1	09/26/2017 16:13	WG1023207	
1,1-Dichloropropene	U		0.000370	0.00117	1	09/26/2017 16:13	WG1023207	
1,3-Dichloropropane	U		0.000242	0.00117	1	09/26/2017 16:13	WG1023207	
cis-1,3-Dichloropropene	U		0.000306	0.00117	1	09/26/2017 16:13	WG1023207	
trans-1,3-Dichloropropene	U		0.000312	0.00117	1	09/26/2017 16:13	WG1023207	
trans-1,4-Dichloro-2-butene	U		0.000909	0.00292	1	09/26/2017 16:13	WG1023207	
2,2-Dichloropropane	U UJ	J0	0.000326	0.00117	1	09/26/2017 16:13	WG1023207	
Di-isopropyl ether	U		0.000290	0.00117	1	09/26/2017 16:13	WG1023207	
Ethylbenzene	U		0.000347	0.00117	1	09/26/2017 16:13	WG1023207	
Hexachloro-1,3-butadiene	U		0.000399	0.00117	1	09/26/2017 16:13	WG1023207	
2-Hexanone	U		0.00160	0.0117	1	09/26/2017 16:13	WG1023207	
n-Hexane	0.000898 J	J	0.000339	0.0117	1	09/26/2017 16:13	WG1023207	
Iodomethane	U		0.00295	0.0117	1	09/26/2017 16:13	WG1023207	
Isopropylbenzene	U		0.000284	0.00117	1	09/26/2017 16:13	WG1023207	
p-Isopropyltoluene	U		0.000238	0.00117	1	09/26/2017 16:13	WG1023207	
2-Butanone (MEK)	U	J3	0.00547	0.0117	1	09/26/2017 16:13	WG1023207	
Methylene Chloride	U		0.00117	0.00584	1	09/26/2017 16:13	WG1023207	
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.00220	0.0117	1	09/26/2017 16:13	WG1023207	JC 10/16/17

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

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	J0	0.000248	0.00117	1	09/26/2017 16:13	WG1023207
Naphthalene	U	J3	0.00117	0.00584	1	09/26/2017 16:13	WG1023207
n-Propylbenzene	U		0.000241	0.00117	1	09/26/2017 16:13	WG1023207
Styrene	U		0.000273	0.00117	1	09/26/2017 16:13	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000308	0.00117	1	09/26/2017 16:13	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000426	0.00117	1	09/26/2017 16:13	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00117	1	09/26/2017 16:13	WG1023207
Tetrachloroethene	U		0.000322	0.00117	1	09/26/2017 16:13	WG1023207
Toluene	U		0.000507	0.00584	1	09/26/2017 16:13	WG1023207
1,2,3-Trichlorobenzene	U	J3	0.000357	0.00117	1	09/26/2017 16:13	WG1023207
1,2,4-Trichlorobenzene	U	J3	0.000453	0.00117	1	09/26/2017 16:13	WG1023207
1,1,1-Trichloroethane	U		0.000334	0.00117	1	09/26/2017 16:13	WG1023207
1,1,2-Trichloroethane	U		0.000323	0.00117	1	09/26/2017 16:13	WG1023207
Trichloroethene	U		0.000326	0.00117	1	09/26/2017 16:13	WG1023207
Trichlorofluoromethane	U		0.000446	0.00584	1	09/26/2017 16:13	WG1023207
1,2,3-Trichloropropane	U		0.000865	0.00292	1	09/26/2017 16:13	WG1023207
1,2,4-Trimethylbenzene	U		0.000246	0.00117	1	09/26/2017 16:13	WG1023207
1,2,3-Trimethylbenzene	U		0.000335	0.00117	1	09/26/2017 16:13	WG1023207
1,3,5-Trimethylbenzene	U		0.000311	0.00117	1	09/26/2017 16:13	WG1023207
Vinyl acetate	U		0.00279	0.0117	1	09/26/2017 16:13	WG1023207
Vinyl chloride	U		0.000340	0.00117	1	09/26/2017 16:13	WG1023207
Xylenes, Total	U		0.000815	0.00350	1	09/26/2017 16:13	WG1023207
(S) Toluene-d8	*106*			*80.0-120*		*09/26/2017 16:13*	WG1023207
(S) Dibromofluoromethane	*106*			*74.0-131*		*09/26/2017 16:13*	WG1023207
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/26/2017 16:13*	WG1023207

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	09/25/2017 12:28	WG1023603

Volatile Organic Compounds (GC/MS) 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 J3	0.0120	0.0599	1	09/21/2017 22:20	WG1023207
Acrylonitrile	U		0.00214	0.0120	1	09/21/2017 22:20	WG1023207
Benzene	U		0.000323	0.00120	1	09/21/2017 22:20	WG1023207
Bromobenzene	U		0.000340	0.00120	1	09/21/2017 22:20	WG1023207
Bromodichloromethane	U		0.000304	0.00120	1	09/21/2017 22:20	WG1023207
Bromochloromethane	U		0.000467	0.00599	1	09/21/2017 22:20	WG1023207
Bromoform	U		0.000508	0.00120	1	09/21/2017 22:20	WG1023207
Bromomethane	U		0.00161	0.00599	1	09/21/2017 22:20	WG1023207
n-Butylbenzene	U		0.000309	0.00120	1	09/21/2017 22:20	WG1023207
sec-Butylbenzene	U		0.000241	0.00120	1	09/21/2017 22:20	WG1023207
tert-Butylbenzene	U		0.000247	0.00120	1	09/21/2017 22:20	WG1023207
Carbon disulfide	U		0.000265	0.00120	1	09/21/2017 22:20	WG1023207
Carbon tetrachloride	U		0.000393	0.00120	1	09/21/2017 22:20	WG1023207
Chlorobenzene	U		0.000254	0.00120	1	09/21/2017 22:20	WG1023207
Chlorodibromomethane	U		0.000447	0.00120	1	09/21/2017 22:20	WG1023207
Chloroethane	U		0.00113	0.00599	1	09/21/2017 22:20	WG1023207
Chloroform	U		0.000274	0.00599	1	09/21/2017 22:20	WG1023207
Chloromethane	U		0.000449	0.00299	1	09/21/2017 22:20	WG1023207
2-Chlorotoluene	U		0.000361	0.00120	1	09/21/2017 22:20	WG1023207
4-Chlorotoluene	U		0.000287	0.00120	1	09/21/2017 22:20	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00126	0.00599	1	09/21/2017 22:20	WG1023207
1,2-Dibromoethane	U		0.000411	0.00120	1	09/21/2017 22:20	WG1023207
Dibromomethane	U		0.000458	0.00120	1	09/21/2017 22:20	WG1023207
1,2-Dichlorobenzene	U		0.000365	0.00120	1	09/21/2017 22:20	WG1023207
1,3-Dichlorobenzene	U		0.000286	0.00120	1	09/21/2017 22:20	WG1023207
1,4-Dichlorobenzene	U		0.000271	0.00120	1	09/21/2017 22:20	WG1023207
Dichlorodifluoromethane	U		0.000854	0.00599	1	09/21/2017 22:20	WG1023207
1,1-Dichloroethane	U		0.000238	0.00120	1	09/21/2017 22:20	WG1023207
1,2-Dichloroethane	U		0.000317	0.00120	1	09/21/2017 22:20	WG1023207
1,1-Dichloroethene	U		0.000363	0.00120	1	09/21/2017 22:20	WG1023207
cis-1,2-Dichloroethene	U		0.000281	0.00120	1	09/21/2017 22:20	WG1023207
trans-1,2-Dichloroethene	U		0.000316	0.00120	1	09/21/2017 22:20	WG1023207
1,2-Dichloropropane	U		0.000429	0.00120	1	09/21/2017 22:20	WG1023207
1,1-Dichloropropene	U		0.000380	0.00120	1	09/21/2017 22:20	WG1023207
1,3-Dichloropropane	U		0.000248	0.00120	1	09/21/2017 22:20	WG1023207
cis-1,3-Dichloropropene	U		0.000314	0.00120	1	09/21/2017 22:20	WG1023207
trans-1,3-Dichloropropene	U		0.000320	0.00120	1	09/21/2017 22:20	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000932	0.00299	1	09/21/2017 22:20	WG1023207
2,2-Dichloropropane	U		0.000334	0.00120	1	09/21/2017 22:20	WG1023207
Di-isopropyl ether	U		0.000297	0.00120	1	09/21/2017 22:20	WG1023207
Ethylbenzene	U		0.000356	0.00120	1	09/21/2017 22:20	WG1023207
Hexachloro-1,3-butadiene	U		0.000410	0.00120	1	09/21/2017 22:20	WG1023207
2-Hexanone	U UJ	J0	0.00164	0.0120	1	09/21/2017 22:20	WG1023207
n-Hexane	U		0.000347	0.0120	1	09/21/2017 22:20	WG1023207
Iodomethane	U		0.00303	0.0120	1	09/21/2017 22:20	WG1023207
Isopropylbenzene	U		0.000291	0.00120	1	09/21/2017 22:20	WG1023207
p-Isopropyltoluene	U		0.000244	0.00120	1	09/21/2017 22:20	WG1023207
2-Butanone (MEK)	U UJ	J0 J3	0.00561	0.0120	1	09/21/2017 22:20	WG1023207
Methylene Chloride	U		0.00120	0.00599	1	09/21/2017 22:20	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00225	0.0120	1	09/21/2017 22:20	WG1023207

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

Analyte	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	09/21/2017 22:20	WG1023207
Naphthalene	U		0.00120	0.00599	1	09/21/2017 22:20	WG1023207
n-Propylbenzene	U		0.000247	0.00120	1	09/21/2017 22:20	WG1023207
Styrene	U		0.000280	0.00120	1	09/21/2017 22:20	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000316	0.00120	1	09/21/2017 22:20	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000437	0.00120	1	09/21/2017 22:20	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000437	0.00120	1	09/21/2017 22:20	WG1023207
Tetrachloroethene	U		0.000331	0.00120	1	09/21/2017 22:20	WG1023207
Toluene	U		0.000520	0.00599	1	09/21/2017 22:20	WG1023207
1,2,3-Trichlorobenzene	U		0.000367	0.00120	1	09/21/2017 22:20	WG1023207
1,2,4-Trichlorobenzene	U		0.000465	0.00120	1	09/21/2017 22:20	WG1023207
1,1,1-Trichloroethane	U		0.000343	0.00120	1	09/21/2017 22:20	WG1023207
1,1,2-Trichloroethane	U		0.000332	0.00120	1	09/21/2017 22:20	WG1023207
Trichloroethene	U		0.000334	0.00120	1	09/21/2017 22:20	WG1023207
Trichlorofluoromethane	U		0.000458	0.00599	1	09/21/2017 22:20	WG1023207
1,2,3-Trichloropropane	U		0.000888	0.00299	1	09/21/2017 22:20	WG1023207
1,2,4-Trimethylbenzene	U		0.000253	0.00120	1	09/21/2017 22:20	WG1023207
1,2,3-Trimethylbenzene	U		0.000344	0.00120	1	09/21/2017 22:20	WG1023207
1,3,5-Trimethylbenzene	U		0.000319	0.00120	1	09/21/2017 22:20	WG1023207
Vinyl acetate	U		0.00286	0.0120	1	09/21/2017 22:20	WG1023207
Vinyl chloride	U		0.000349	0.00120	1	09/21/2017 22:20	WG1023207
Xylenes, Total	U		0.000836	0.00359	1	09/21/2017 22:20	WG1023207
(S) Toluene-d8	*95.7*			*80.0-120*		*09/21/2017 22:20*	WG1023207
(S) Dibromofluoromethane	*116*			*74.0-131*		*09/21/2017 22:20*	WG1023207
(S) 4-Bromofluorobenzene	*107*			*64.0-132*		*09/21/2017 22:20*	WG1023207

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.8		1	09/25/2017 12:28	WG1023603

Volatile Organic Compounds (GC/MS) 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 J3	0.0119	0.0597	1	09/21/2017 22:38	WG1023207
Acrylonitrile	U		0.00214	0.0119	1	09/21/2017 22:38	WG1023207
Benzene	U		0.000322	0.00119	1	09/21/2017 22:38	WG1023207
Bromobenzene	U		0.000339	0.00119	1	09/21/2017 22:38	WG1023207
Bromodichloromethane	U		0.000303	0.00119	1	09/21/2017 22:38	WG1023207
Bromochloromethane	U		0.000466	0.00597	1	09/21/2017 22:38	WG1023207
Bromoform	U		0.000506	0.00119	1	09/21/2017 22:38	WG1023207
Bromomethane	U		0.00160	0.00597	1	09/21/2017 22:38	WG1023207
n-Butylbenzene	U		0.000308	0.00119	1	09/21/2017 22:38	WG1023207
sec-Butylbenzene	U		0.000240	0.00119	1	09/21/2017 22:38	WG1023207
tert-Butylbenzene	U		0.000246	0.00119	1	09/21/2017 22:38	WG1023207
Carbon disulfide	U		0.000264	0.00119	1	09/21/2017 22:38	WG1023207
Carbon tetrachloride	U		0.000392	0.00119	1	09/21/2017 22:38	WG1023207
Chlorobenzene	U		0.000253	0.00119	1	09/21/2017 22:38	WG1023207
Chlorodibromomethane	U		0.000445	0.00119	1	09/21/2017 22:38	WG1023207
Chloroethane	U		0.00113	0.00597	1	09/21/2017 22:38	WG1023207
Chloroform	U		0.000273	0.00597	1	09/21/2017 22:38	WG1023207
Chloromethane	U		0.000448	0.00298	1	09/21/2017 22:38	WG1023207
2-Chlorotoluene	U		0.000359	0.00119	1	09/21/2017 22:38	WG1023207
4-Chlorotoluene	U		0.000287	0.00119	1	09/21/2017 22:38	WG1023207
1,2-Dibromo-3-Chloropropane	U		0.00125	0.00597	1	09/21/2017 22:38	WG1023207
1,2-Dibromoethane	U		0.000409	0.00119	1	09/21/2017 22:38	WG1023207
Dibromomethane	U		0.000456	0.00119	1	09/21/2017 22:38	WG1023207
1,2-Dichlorobenzene	U		0.000364	0.00119	1	09/21/2017 22:38	WG1023207
1,3-Dichlorobenzene	U		0.000285	0.00119	1	09/21/2017 22:38	WG1023207
1,4-Dichlorobenzene	U		0.000270	0.00119	1	09/21/2017 22:38	WG1023207
Dichlorodifluoromethane	U		0.000851	0.00597	1	09/21/2017 22:38	WG1023207
1,1-Dichloroethane	U		0.000238	0.00119	1	09/21/2017 22:38	WG1023207
1,2-Dichloroethane	U		0.000316	0.00119	1	09/21/2017 22:38	WG1023207
1,1-Dichloroethene	U		0.000362	0.00119	1	09/21/2017 22:38	WG1023207
cis-1,2-Dichloroethene	U		0.000281	0.00119	1	09/21/2017 22:38	WG1023207
trans-1,2-Dichloroethene	U		0.000315	0.00119	1	09/21/2017 22:38	WG1023207
1,2-Dichloropropane	U		0.000427	0.00119	1	09/21/2017 22:38	WG1023207
1,1-Dichloropropene	U		0.000378	0.00119	1	09/21/2017 22:38	WG1023207
1,3-Dichloropropane	U		0.000247	0.00119	1	09/21/2017 22:38	WG1023207
cis-1,3-Dichloropropene	U		0.000313	0.00119	1	09/21/2017 22:38	WG1023207
trans-1,3-Dichloropropene	U		0.000319	0.00119	1	09/21/2017 22:38	WG1023207
trans-1,4-Dichloro-2-butene	U		0.000929	0.00298	1	09/21/2017 22:38	WG1023207
2,2-Dichloropropane	U		0.000333	0.00119	1	09/21/2017 22:38	WG1023207
Di-isopropyl ether	U		0.000296	0.00119	1	09/21/2017 22:38	WG1023207
Ethylbenzene	U		0.000355	0.00119	1	09/21/2017 22:38	WG1023207
Hexachloro-1,3-butadiene	U		0.000408	0.00119	1	09/21/2017 22:38	WG1023207
2-Hexanone	U UJ	J0	0.00164	0.0119	1	09/21/2017 22:38	WG1023207
n-Hexane	U		0.000346	0.0119	1	09/21/2017 22:38	WG1023207
Iodomethane	U		0.00302	0.0119	1	09/21/2017 22:38	WG1023207
Isopropylbenzene	U		0.000290	0.00119	1	09/21/2017 22:38	WG1023207
p-Isopropyltoluene	U		0.000244	0.00119	1	09/21/2017 22:38	WG1023207
2-Butanone (MEK)	U UJ	J0 J3	0.00559	0.0119	1	09/21/2017 22:38	WG1023207
Methylene Chloride	U		0.00119	0.00597	1	09/21/2017 22:38	WG1023207
4-Methyl-2-pentanone (MIBK)	U		0.00224	0.0119	1	09/21/2017 22:38	WG1023207

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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	09/21/2017 22:38	WG1023207
Naphthalene	U		0.00119	0.00597	1	09/21/2017 22:38	WG1023207
n-Propylbenzene	U		0.000246	0.00119	1	09/21/2017 22:38	WG1023207
Styrene	U		0.000279	0.00119	1	09/21/2017 22:38	WG1023207
1,1,1,2-Tetrachloroethane	U		0.000315	0.00119	1	09/21/2017 22:38	WG1023207
1,1,2,2-Tetrachloroethane	U		0.000436	0.00119	1	09/21/2017 22:38	WG1023207
1,1,2-Trichlorotrifluoroethane	U		0.000436	0.00119	1	09/21/2017 22:38	WG1023207
Tetrachloroethene	U		0.000330	0.00119	1	09/21/2017 22:38	WG1023207
Toluene	U		0.000518	0.00597	1	09/21/2017 22:38	WG1023207
1,2,3-Trichlorobenzene	U		0.000365	0.00119	1	09/21/2017 22:38	WG1023207
1,2,4-Trichlorobenzene	U		0.000463	0.00119	1	09/21/2017 22:38	WG1023207
1,1,1-Trichloroethane	U		0.000341	0.00119	1	09/21/2017 22:38	WG1023207
1,1,2-Trichloroethane	U		0.000331	0.00119	1	09/21/2017 22:38	WG1023207
Trichloroethene	U		0.000333	0.00119	1	09/21/2017 22:38	WG1023207
Trichlorofluoromethane	U		0.000456	0.00597	1	09/21/2017 22:38	WG1023207
1,2,3-Trichloropropane	U		0.000885	0.00298	1	09/21/2017 22:38	WG1023207
1,2,4-Trimethylbenzene	U		0.000252	0.00119	1	09/21/2017 22:38	WG1023207
1,2,3-Trimethylbenzene	U		0.000343	0.00119	1	09/21/2017 22:38	WG1023207
1,3,5-Trimethylbenzene	U		0.000318	0.00119	1	09/21/2017 22:38	WG1023207
Vinyl acetate	U		0.00285	0.0119	1	09/21/2017 22:38	WG1023207
Vinyl chloride	U		0.000347	0.00119	1	09/21/2017 22:38	WG1023207
Xylenes, Total	U		0.000833	0.00358	1	09/21/2017 22:38	WG1023207
(S) Toluene-d8	*92.0*			*80.0-120*		*09/21/2017 22:38*	WG1023207
(S) Dibromofluoromethane	*118*			*74.0-131*		*09/21/2017 22:38*	WG1023207
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*09/21/2017 22:38*	WG1023207

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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	8.14 J	J	1.05	25.0	1	09/22/2017 15:09	WG1023529
Acrylonitrile	U		0.873	5.00	1	09/22/2017 15:09	WG1023529
Benzene	0.286 J	J	0.0896	0.500	1	09/22/2017 15:09	WG1023529
Bromobenzene	U		0.133	0.500	1	09/22/2017 15:09	WG1023529
Bromodichloromethane	U		0.0800	0.500	1	09/22/2017 15:09	WG1023529
Bromochloromethane	U		0.145	0.500	1	09/22/2017 15:09	WG1023529
Bromoform	U		0.186	0.500	1	09/22/2017 15:09	WG1023529
Bromomethane	U		0.157	2.50	1	09/22/2017 15:09	WG1023529
n-Butylbenzene	U		0.143	0.500	1	09/22/2017 15:09	WG1023529
sec-Butylbenzene	U		0.134	0.500	1	09/22/2017 15:09	WG1023529
tert-Butylbenzene	U		0.183	0.500	1	09/22/2017 15:09	WG1023529
Carbon disulfide	U		0.101	0.500	1	09/22/2017 15:09	WG1023529
Carbon tetrachloride	U		0.159	0.500	1	09/22/2017 15:09	WG1023529
Chlorobenzene	U		0.140	0.500	1	09/22/2017 15:09	WG1023529
Chlorodibromomethane	U		0.128	0.500	1	09/22/2017 15:09	WG1023529
Chloroethane	U		0.141	2.50	1	09/22/2017 15:09	WG1023529
Chloroform	U		0.0860	0.500	1	09/22/2017 15:09	WG1023529
Chloromethane	U		0.153	1.25	1	09/22/2017 15:09	WG1023529
2-Chlorotoluene	U		0.111	0.500	1	09/22/2017 15:09	WG1023529
4-Chlorotoluene	U		0.0972	0.500	1	09/22/2017 15:09	WG1023529
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/22/2017 15:09	WG1023529
1,2-Dibromoethane	U		0.193	0.500	1	09/22/2017 15:09	WG1023529
Dibromomethane	U		0.117	0.500	1	09/22/2017 15:09	WG1023529
1,2-Dichlorobenzene	U		0.101	0.500	1	09/22/2017 15:09	WG1023529
1,3-Dichlorobenzene	U		0.130	0.500	1	09/22/2017 15:09	WG1023529
1,4-Dichlorobenzene	U		0.121	0.500	1	09/22/2017 15:09	WG1023529
Dichlorodifluoromethane	U		0.127	2.50	1	09/22/2017 15:09	WG1023529
1,1-Dichloroethane	U		0.114	0.500	1	09/22/2017 15:09	WG1023529
1,2-Dichloroethane	U		0.108	0.500	1	09/22/2017 15:09	WG1023529
1,1-Dichloroethene	U		0.188	0.500	1	09/22/2017 15:09	WG1023529
cis-1,2-Dichloroethene	0.148 J	J	0.0933	0.500	1	09/22/2017 15:09	WG1023529
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/22/2017 15:09	WG1023529
1,2-Dichloropropane	U		0.190	0.500	1	09/22/2017 15:09	WG1023529
1,1-Dichloropropene	U		0.128	0.500	1	09/22/2017 15:09	WG1023529
1,3-Dichloropropane	U		0.147	1.00	1	09/22/2017 15:09	WG1023529
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/22/2017 15:09	WG1023529
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/22/2017 15:09	WG1023529
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/22/2017 15:09	WG1023529
2,2-Dichloropropane	U		0.0929	0.500	1	09/22/2017 15:09	WG1023529
Di-isopropyl ether	U		0.0924	0.500	1	09/22/2017 15:09	WG1023529
Ethylbenzene	0.158 J	J	0.158	0.500	1	09/22/2017 15:09	WG1023529
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/22/2017 15:09	WG1023529
2-Hexanone	U		0.757	5.00	1	09/22/2017 15:09	WG1023529
n-Hexane	U		0.305	5.00	1	09/22/2017 15:09	WG1023529
Iodomethane	U		0.377	10.0	1	09/22/2017 15:09	WG1023529
Isopropylbenzene	U		0.126	0.500	1	09/22/2017 15:09	WG1023529
p-Isopropyltoluene	U		0.138	0.500	1	09/22/2017 15:09	WG1023529
2-Butanone (MEK)	1.86 J	J	1.28	5.00	1	09/22/2017 15:09	WG1023529
Methylene Chloride	U		1.07	2.50	1	09/22/2017 15:09	WG1023529
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/22/2017 15:09	WG1023529
Methyl tert-butyl ether	U		0.102	0.500	1	09/22/2017 15:09	WG1023529
Naphthalene	U		0.174	2.50	1	09/22/2017 15:09	WG1023529
n-Propylbenzene	U		0.162	0.500	1	09/22/2017 15:09	WG1023529
Styrene	U		0.117	0.500	1	09/22/2017 15:09	WG1023529
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/22/2017 15:09	WG1023529
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/22/2017 15:09	WG1023529

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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	09/22/2017 15:09	WG1023529
Tetrachloroethene	U		0.199	0.500	1	09/22/2017 15:09	WG1023529
Toluene	88.5		0.412	0.500	1	09/22/2017 15:09	WG1023529
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/22/2017 15:09	WG1023529
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/22/2017 15:09	WG1023529
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/22/2017 15:09	WG1023529
1,1,2-Trichloroethane	U		0.186	0.500	1	09/22/2017 15:09	WG1023529
Trichloroethene	U		0.153	0.500	1	09/22/2017 15:09	WG1023529
Trichlorofluoromethane	U		0.130	2.50	1	09/22/2017 15:09	WG1023529
1,2,3-Trichloropropane	U		0.247	2.50	1	09/22/2017 15:09	WG1023529
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/22/2017 15:09	WG1023529
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/22/2017 15:09	WG1023529
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/22/2017 15:09	WG1023529
Vinyl acetate	U		0.645	5.00	1	09/22/2017 15:09	WG1023529
Vinyl chloride	U		0.118	0.500	1	09/22/2017 15:09	WG1023529
Xylenes, Total	0.472	J J	0.316	1.50	1	09/22/2017 15:09	WG1023529
(S) Toluene-d8	*99.7*			*80.0-120*		*09/22/2017 15:09*	WG1023529
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/22/2017 15:09*	WG1023529
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*09/22/2017 15:09*	WG1023529

JC 10/16/17

ANALYTICAL REPORT

October 03, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L938165
Samples Received:	09/21/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

B-218-12.5 L938165-01 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/19/17 15:00 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024190	1	09/25/17 09:49	09/25/17 09:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/19/17 15:00	09/22/17 02:30	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	100	09/19/17 15:00	09/27/17 14:23	JAH

B-218-19 L938165-02 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/19/17 15:10 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024190	1	09/25/17 09:49	09/25/17 09:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/19/17 15:10	09/22/17 02:50	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	28.75	09/19/17 15:10	09/28/17 13:33	BMB

B-218-25 L938165-03 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/19/17 15:20 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024190	1	09/25/17 09:49	09/25/17 09:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/19/17 15:20	09/22/17 03:10	JHH

B-218-40 L938165-04 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/19/17 15:45 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024190	1	09/25/17 09:49	09/25/17 09:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	56	09/19/17 15:45	09/27/17 14:42	JAH

B-218-50 L938165-05 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/19/17 16:15 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024190	1	09/25/17 09:49	09/25/17 09:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/19/17 16:15	09/22/17 03:49	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	200	09/19/17 16:15	09/27/17 15:02	JAH

B-220-15 L938165-06 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/20/17 09:50 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023495	1	09/23/17 09:07	09/23/17 09:21	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/20/17 09:50	09/22/17 04:09	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	25	09/20/17 09:50	09/27/17 15:22	JAH

B-220-29 L938165-07 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/20/17 10:10 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023495	1	09/23/17 09:07	09/23/17 09:21	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/20/17 10:10	09/22/17 04:28	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1000	09/20/17 10:10	09/27/17 15:42	JAH

B-220-32 L938165-08 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/20/17 10:30 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023495	1	09/23/17 09:07	09/23/17 09:21	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/20/17 10:30	09/22/17 04:48	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1000	09/20/17 10:30	09/27/17 16:01	JAH

B-220-40 L938165-09 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/20/17 10:40 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023495	1	09/23/17 09:07	09/23/17 09:21	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/20/17 10:40	09/22/17 05:07	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1870	09/20/17 10:40	09/27/17 16:21	JAH

B-913-70 L938165-10 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/19/17 15:35 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024190	1	09/25/17 09:49	09/25/17 09:59	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/19/17 15:35	09/22/17 05:26	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	100	09/19/17 15:35	09/27/17 16:41	JAH

B-914-75 L938165-11 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/20/17 10:55 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023495	1	09/23/17 09:07	09/23/17 09:21	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/20/17 10:55	09/22/17 05:46	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1000	09/20/17 10:55	09/27/17 17:01	JAH

B-220-50 L938165-12 Solid

Collected by: Shannon Mckernan | Collected date/time: 09/20/17 11:15 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1023495	1	09/23/17 09:07	09/23/17 09:21	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1	09/20/17 11:15	09/22/17 06:05	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023237	1000	09/20/17 11:15	09/27/17 17:20	JAH

TRIP BLANK-092017 L938165-13 GW

Collected by: Shannon Mckernan | Collected date/time: 05/15/17 00:00 | Received date/time: 09/21/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1023738	1	09/23/17 08:34	09/23/17 08:34	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	87.8		1	09/25/2017 09:59	WG1024190

Volatile Organic Compounds (GC/MS) 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	09/22/2017 02:30	WG1023237
Acrylonitrile	U		0.00204	0.0114	1	09/22/2017 02:30	WG1023237
Benzene	U		0.000307	0.00114	1	09/22/2017 02:30	WG1023237
Bromobenzene	U		0.000323	0.00114	1	09/22/2017 02:30	WG1023237
Bromodichloromethane	U		0.000289	0.00114	1	09/22/2017 02:30	WG1023237
Bromochloromethane	U		0.000444	0.00569	1	09/22/2017 02:30	WG1023237
Bromoform	U		0.000483	0.00114	1	09/22/2017 02:30	WG1023237
Bromomethane	U		0.00153	0.00569	1	09/22/2017 02:30	WG1023237
n-Butylbenzene	U		0.000294	0.00114	1	09/22/2017 02:30	WG1023237
sec-Butylbenzene	U		0.000229	0.00114	1	09/22/2017 02:30	WG1023237
tert-Butylbenzene	U		0.000235	0.00114	1	09/22/2017 02:30	WG1023237
Carbon disulfide	U	J0	0.000252	0.00114	1	09/22/2017 02:30	WG1023237
Carbon tetrachloride	U		0.000373	0.00114	1	09/22/2017 02:30	WG1023237
Chlorobenzene	U		0.000241	0.00114	1	09/22/2017 02:30	WG1023237
Chlorodibromomethane	U		0.000425	0.00114	1	09/22/2017 02:30	WG1023237
Chloroethane	U		0.00108	0.00569	1	09/22/2017 02:30	WG1023237
Chloroform	U		0.000261	0.00569	1	09/22/2017 02:30	WG1023237
Chloromethane	U	J0	0.000427	0.00285	1	09/22/2017 02:30	WG1023237
2-Chlorotoluene	U		0.000343	0.00114	1	09/22/2017 02:30	WG1023237
4-Chlorotoluene	U		0.000273	0.00114	1	09/22/2017 02:30	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00569	1	09/22/2017 02:30	WG1023237
1,2-Dibromoethane	U		0.000391	0.00114	1	09/22/2017 02:30	WG1023237
Dibromomethane	U		0.000435	0.00114	1	09/22/2017 02:30	WG1023237
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/22/2017 02:30	WG1023237
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/22/2017 02:30	WG1023237
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/22/2017 02:30	WG1023237
Dichlorodifluoromethane	U	J0	0.000812	0.00569	1	09/22/2017 02:30	WG1023237
1,1-Dichloroethane	U		0.000227	0.00114	1	09/22/2017 02:30	WG1023237
1,2-Dichloroethane	U		0.000302	0.00114	1	09/22/2017 02:30	WG1023237
1,1-Dichloroethene	0.0131		0.000345	0.00114	1	09/22/2017 02:30	WG1023237
cis-1,2-Dichloroethene	2.16		0.0268	0.114	100	09/27/2017 14:23	WG1023237
trans-1,2-Dichloroethene	0.0171		0.000301	0.00114	1	09/22/2017 02:30	WG1023237
1,2-Dichloropropane	U		0.000408	0.00114	1	09/22/2017 02:30	WG1023237
1,1-Dichloropropene	U		0.000361	0.00114	1	09/22/2017 02:30	WG1023237
1,3-Dichloropropane	U		0.000236	0.00114	1	09/22/2017 02:30	WG1023237
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/22/2017 02:30	WG1023237
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/22/2017 02:30	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000886	0.00285	1	09/22/2017 02:30	WG1023237
2,2-Dichloropropane	U		0.000318	0.00114	1	09/22/2017 02:30	WG1023237
Di-isopropyl ether	U		0.000282	0.00114	1	09/22/2017 02:30	WG1023237
Ethylbenzene	U		0.000338	0.00114	1	09/22/2017 02:30	WG1023237
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	09/22/2017 02:30	WG1023237
2-Hexanone	U		0.00156	0.0114	1	09/22/2017 02:30	WG1023237
n-Hexane	U		0.000330	0.0114	1	09/22/2017 02:30	WG1023237
Iodomethane	U		0.00288	0.0114	1	09/22/2017 02:30	WG1023237
Isopropylbenzene	U		0.000277	0.00114	1	09/22/2017 02:30	WG1023237
p-Isopropyltoluene	U		0.000232	0.00114	1	09/22/2017 02:30	WG1023237
2-Butanone (MEK)	U		0.00533	0.0114	1	09/22/2017 02:30	WG1023237
Methylene Chloride	U		0.00114	0.00569	1	09/22/2017 02:30	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/22/2017 02:30	WG1023237

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

Analyte	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	09/22/2017 02:30	WG1023237
Naphthalene	U		0.00114	0.00569	1	09/22/2017 02:30	WG1023237
n-Propylbenzene	U		0.000235	0.00114	1	09/22/2017 02:30	WG1023237
Styrene	U		0.000266	0.00114	1	09/22/2017 02:30	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/22/2017 02:30	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/22/2017 02:30	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/22/2017 02:30	WG1023237
Tetrachloroethene	0.0438		0.000314	0.00114	1	09/22/2017 02:30	WG1023237
Toluene	U		0.000494	0.00569	1	09/22/2017 02:30	WG1023237
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	09/22/2017 02:30	WG1023237
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	09/22/2017 02:30	WG1023237
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/22/2017 02:30	WG1023237
1,1,2-Trichloroethane	U		0.000315	0.00114	1	09/22/2017 02:30	WG1023237
Trichloroethene	0.775		0.0318	0.114	100	09/27/2017 14:23	WG1023237
Trichlorofluoromethane	U		0.000435	0.00569	1	09/22/2017 02:30	WG1023237
1,2,3-Trichloropropane	U		0.000844	0.00285	1	09/22/2017 02:30	WG1023237
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	09/22/2017 02:30	WG1023237
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/22/2017 02:30	WG1023237
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/22/2017 02:30	WG1023237
Vinyl acetate	U		0.00272	0.0114	1	09/22/2017 02:30	WG1023237
Vinyl chloride	0.0281		0.000331	0.00114	1	09/22/2017 02:30	WG1023237
Xylenes, Total	U		0.000795	0.00342	1	09/22/2017 02:30	WG1023237
(S) Toluene-d8	*101*			*80.0-120*		*09/22/2017 02:30*	WG1023237
(S) Toluene-d8	*111*			*80.0-120*		*09/27/2017 14:23*	WG1023237
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/22/2017 02:30*	WG1023237
(S) Dibromofluoromethane	*90.8*			*74.0-131*		*09/27/2017 14:23*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/22/2017 02:30*	WG1023237
(S) 4-Bromofluorobenzene	*94.1*			*64.0-132*		*09/27/2017 14:23*	WG1023237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	09/25/2017 09:59	WG1024190

Volatile Organic Compounds (GC/MS) 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	09/22/2017 02:50	WG1023237
Acrylonitrile	U		0.00203	0.0114	1	09/22/2017 02:50	WG1023237
Benzene	U		0.000306	0.00114	1	09/22/2017 02:50	WG1023237
Bromobenzene	U		0.000322	0.00114	1	09/22/2017 02:50	WG1023237
Bromodichloromethane	U		0.000288	0.00114	1	09/22/2017 02:50	WG1023237
Bromochloromethane	U		0.000443	0.00568	1	09/22/2017 02:50	WG1023237
Bromoform	U		0.000481	0.00114	1	09/22/2017 02:50	WG1023237
Bromomethane	U		0.00152	0.00568	1	09/22/2017 02:50	WG1023237
n-Butylbenzene	U		0.000293	0.00114	1	09/22/2017 02:50	WG1023237
sec-Butylbenzene	U		0.000228	0.00114	1	09/22/2017 02:50	WG1023237
tert-Butylbenzene	U		0.000234	0.00114	1	09/22/2017 02:50	WG1023237
Carbon disulfide	U	J0	0.000251	0.00114	1	09/22/2017 02:50	WG1023237
Carbon tetrachloride	U		0.000372	0.00114	1	09/22/2017 02:50	WG1023237
Chlorobenzene	U		0.000241	0.00114	1	09/22/2017 02:50	WG1023237
Chlorodibromomethane	U		0.000423	0.00114	1	09/22/2017 02:50	WG1023237
Chloroethane	0.00550	J	0.00107	0.00568	1	09/22/2017 02:50	WG1023237
Chloroform	U		0.000260	0.00568	1	09/22/2017 02:50	WG1023237
Chloromethane	U	J0	0.000426	0.00284	1	09/22/2017 02:50	WG1023237
2-Chlorotoluene	U		0.000342	0.00114	1	09/22/2017 02:50	WG1023237
4-Chlorotoluene	U		0.000272	0.00114	1	09/22/2017 02:50	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	09/22/2017 02:50	WG1023237
1,2-Dibromoethane	U		0.000389	0.00114	1	09/22/2017 02:50	WG1023237
Dibromomethane	U		0.000434	0.00114	1	09/22/2017 02:50	WG1023237
1,2-Dichlorobenzene	U		0.000346	0.00114	1	09/22/2017 02:50	WG1023237
1,3-Dichlorobenzene	U		0.000271	0.00114	1	09/22/2017 02:50	WG1023237
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/22/2017 02:50	WG1023237
Dichlorodifluoromethane	U	J0	0.000809	0.00568	1	09/22/2017 02:50	WG1023237
1,1-Dichloroethane	U		0.000226	0.00114	1	09/22/2017 02:50	WG1023237
1,2-Dichloroethane	U		0.000301	0.00114	1	09/22/2017 02:50	WG1023237
1,1-Dichloroethene	0.000759	J	0.000344	0.00114	1	09/22/2017 02:50	WG1023237
cis-1,2-Dichloroethene	0.123		0.000267	0.00114	1	09/22/2017 02:50	WG1023237
trans-1,2-Dichloroethene	0.00346		0.000300	0.00114	1	09/22/2017 02:50	WG1023237
1,2-Dichloropropane	U		0.000406	0.00114	1	09/22/2017 02:50	WG1023237
1,1-Dichloropropene	U		0.000360	0.00114	1	09/22/2017 02:50	WG1023237
1,3-Dichloropropane	U		0.000235	0.00114	1	09/22/2017 02:50	WG1023237
cis-1,3-Dichloropropene	U		0.000297	0.00114	1	09/22/2017 02:50	WG1023237
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	09/22/2017 02:50	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000883	0.00284	1	09/22/2017 02:50	WG1023237
2,2-Dichloropropane	U		0.000317	0.00114	1	09/22/2017 02:50	WG1023237
Di-isopropyl ether	U		0.000281	0.00114	1	09/22/2017 02:50	WG1023237
Ethylbenzene	U		0.000337	0.00114	1	09/22/2017 02:50	WG1023237
Hexachloro-1,3-butadiene	U		0.000388	0.00114	1	09/22/2017 02:50	WG1023237
2-Hexanone	U		0.00155	0.0114	1	09/22/2017 02:50	WG1023237
n-Hexane	U		0.000329	0.0114	1	09/22/2017 02:50	WG1023237
Iodomethane	U		0.00287	0.0114	1	09/22/2017 02:50	WG1023237
Isopropylbenzene	U		0.000276	0.00114	1	09/22/2017 02:50	WG1023237
p-Isopropyltoluene	U		0.000232	0.00114	1	09/22/2017 02:50	WG1023237
2-Butanone (MEK)	U		0.00531	0.0114	1	09/22/2017 02:50	WG1023237
Methylene Chloride	U		0.00114	0.00568	1	09/22/2017 02:50	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0114	1	09/22/2017 02:50	WG1023237

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		0.000241	0.00114	1	09/22/2017 02:50	WG1023237
Naphthalene	U		0.00114	0.00568	1	09/22/2017 02:50	WG1023237
n-Propylbenzene	U		0.000234	0.00114	1	09/22/2017 02:50	WG1023237
Styrene	U		0.000266	0.00114	1	09/22/2017 02:50	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	09/22/2017 02:50	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000414	0.00114	1	09/22/2017 02:50	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00114	1	09/22/2017 02:50	WG1023237
Tetrachloroethene	0.000476	J	0.000313	0.00114	1	09/22/2017 02:50	WG1023237
Toluene	U		0.000493	0.00568	1	09/22/2017 02:50	WG1023237
1,2,3-Trichlorobenzene	U		0.000347	0.00114	1	09/22/2017 02:50	WG1023237
1,2,4-Trichlorobenzene	U		0.000440	0.00114	1	09/22/2017 02:50	WG1023237
1,1,1-Trichloroethane	U		0.000325	0.00114	1	09/22/2017 02:50	WG1023237
1,1,2-Trichloroethane	U		0.000314	0.00114	1	09/22/2017 02:50	WG1023237
Trichloroethene	0.00946	J	0.00910	0.0326	28.75	09/28/2017 13:33	WG1023237
Trichlorofluoromethane	U		0.000434	0.00568	1	09/22/2017 02:50	WG1023237
1,2,3-Trichloropropane	U		0.000841	0.00284	1	09/22/2017 02:50	WG1023237
1,2,4-Trimethylbenzene	U		0.000239	0.00114	1	09/22/2017 02:50	WG1023237
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	09/22/2017 02:50	WG1023237
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	09/22/2017 02:50	WG1023237
Vinyl acetate	U		0.00271	0.0114	1	09/22/2017 02:50	WG1023237
Vinyl chloride	0.0286		0.000330	0.00114	1	09/22/2017 02:50	WG1023237
Xylenes, Total	U		0.000792	0.00341	1	09/22/2017 02:50	WG1023237
(S) Toluene-d8	*99.3*			*80.0-120*		*09/22/2017 02:50*	WG1023237
(S) Toluene-d8	*104*			*80.0-120*		*09/28/2017 13:33*	WG1023237
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*09/28/2017 13:33*	WG1023237
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/22/2017 02:50*	WG1023237
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*09/28/2017 13:33*	WG1023237
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/22/2017 02:50*	WG1023237

Sample Narrative:

L938165-02 WG1023237: No more stir bars left to run

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	09/25/2017 09:59	WG1024190

Volatile Organic Compounds (GC/MS) 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	0.0579	1	09/22/2017 03:10	WG1023237
Acrylonitrile	U		0.00207	0.0116	1	09/22/2017 03:10	WG1023237
Benzene	U		0.000313	0.00116	1	09/22/2017 03:10	WG1023237
Bromobenzene	U		0.000329	0.00116	1	09/22/2017 03:10	WG1023237
Bromodichloromethane	U		0.000294	0.00116	1	09/22/2017 03:10	WG1023237
Bromochloromethane	U		0.000452	0.00579	1	09/22/2017 03:10	WG1023237
Bromoform	U		0.000491	0.00116	1	09/22/2017 03:10	WG1023237
Bromomethane	U		0.00155	0.00579	1	09/22/2017 03:10	WG1023237
n-Butylbenzene	U		0.000299	0.00116	1	09/22/2017 03:10	WG1023237
sec-Butylbenzene	U		0.000233	0.00116	1	09/22/2017 03:10	WG1023237
tert-Butylbenzene	U		0.000239	0.00116	1	09/22/2017 03:10	WG1023237
Carbon disulfide	U	J0	0.000256	0.00116	1	09/22/2017 03:10	WG1023237
Carbon tetrachloride	U		0.000380	0.00116	1	09/22/2017 03:10	WG1023237
Chlorobenzene	U		0.000245	0.00116	1	09/22/2017 03:10	WG1023237
Chlorodibromomethane	U		0.000432	0.00116	1	09/22/2017 03:10	WG1023237
Chloroethane	0.00115	J	0.00110	0.00579	1	09/22/2017 03:10	WG1023237
Chloroform	U		0.000265	0.00579	1	09/22/2017 03:10	WG1023237
Chloromethane	U	J0	0.000434	0.00289	1	09/22/2017 03:10	WG1023237
2-Chlorotoluene	U		0.000349	0.00116	1	09/22/2017 03:10	WG1023237
4-Chlorotoluene	U		0.000278	0.00116	1	09/22/2017 03:10	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	09/22/2017 03:10	WG1023237
1,2-Dibromoethane	U		0.000397	0.00116	1	09/22/2017 03:10	WG1023237
Dibromomethane	U		0.000442	0.00116	1	09/22/2017 03:10	WG1023237
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/22/2017 03:10	WG1023237
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/22/2017 03:10	WG1023237
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/22/2017 03:10	WG1023237
Dichlorodifluoromethane	U	J0	0.000826	0.00579	1	09/22/2017 03:10	WG1023237
1,1-Dichloroethane	U		0.000230	0.00116	1	09/22/2017 03:10	WG1023237
1,2-Dichloroethane	U		0.000307	0.00116	1	09/22/2017 03:10	WG1023237
1,1-Dichloroethene	0.000798	J	0.000351	0.00116	1	09/22/2017 03:10	WG1023237
cis-1,2-Dichloroethene	0.0781		0.000272	0.00116	1	09/22/2017 03:10	WG1023237
trans-1,2-Dichloroethene	0.00124		0.000306	0.00116	1	09/22/2017 03:10	WG1023237
1,2-Dichloropropane	U		0.000415	0.00116	1	09/22/2017 03:10	WG1023237
1,1-Dichloropropene	U		0.000367	0.00116	1	09/22/2017 03:10	WG1023237
1,3-Dichloropropane	U		0.000240	0.00116	1	09/22/2017 03:10	WG1023237
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	09/22/2017 03:10	WG1023237
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/22/2017 03:10	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000901	0.00289	1	09/22/2017 03:10	WG1023237
2,2-Dichloropropane	U		0.000323	0.00116	1	09/22/2017 03:10	WG1023237
Di-isopropyl ether	U		0.000287	0.00116	1	09/22/2017 03:10	WG1023237
Ethylbenzene	U		0.000344	0.00116	1	09/22/2017 03:10	WG1023237
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/22/2017 03:10	WG1023237
2-Hexanone	U		0.00159	0.0116	1	09/22/2017 03:10	WG1023237
n-Hexane	U		0.000336	0.0116	1	09/22/2017 03:10	WG1023237
Iodomethane	U		0.00293	0.0116	1	09/22/2017 03:10	WG1023237
Isopropylbenzene	U		0.000281	0.00116	1	09/22/2017 03:10	WG1023237
p-Isopropyltoluene	U		0.000236	0.00116	1	09/22/2017 03:10	WG1023237
2-Butanone (MEK)	U		0.00542	0.0116	1	09/22/2017 03:10	WG1023237
Methylene Chloride	U		0.00116	0.00579	1	09/22/2017 03:10	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/22/2017 03:10	WG1023237

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

Analyte	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	09/22/2017 03:10	WG1023237
Naphthalene	U		0.00116	0.00579	1	09/22/2017 03:10	WG1023237
n-Propylbenzene	U		0.000239	0.00116	1	09/22/2017 03:10	WG1023237
Styrene	U		0.000271	0.00116	1	09/22/2017 03:10	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/22/2017 03:10	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/22/2017 03:10	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/22/2017 03:10	WG1023237
Tetrachloroethene	0.0104		0.000320	0.00116	1	09/22/2017 03:10	WG1023237
Toluene	U		0.000503	0.00579	1	09/22/2017 03:10	WG1023237
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/22/2017 03:10	WG1023237
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	09/22/2017 03:10	WG1023237
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/22/2017 03:10	WG1023237
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/22/2017 03:10	WG1023237
Trichloroethene	0.0144		0.000323	0.00116	1	09/22/2017 03:10	WG1023237
Trichlorofluoromethane	U		0.000442	0.00579	1	09/22/2017 03:10	WG1023237
1,2,3-Trichloropropane	U		0.000858	0.00289	1	09/22/2017 03:10	WG1023237
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/22/2017 03:10	WG1023237
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/22/2017 03:10	WG1023237
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/22/2017 03:10	WG1023237
Vinyl acetate	U		0.00277	0.0116	1	09/22/2017 03:10	WG1023237
Vinyl chloride	0.0449		0.000337	0.00116	1	09/22/2017 03:10	WG1023237
Xylenes, Total	U		0.000808	0.00347	1	09/22/2017 03:10	WG1023237
(S) Toluene-d8	*101*			*80.0-120*		*09/22/2017 03:10*	WG1023237
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/22/2017 03:10*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/22/2017 03:10*	WG1023237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/25/2017 09:59	WG1024190

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.615	3.07	56	09/27/2017 14:42	WG1023237
Acrylonitrile	U		0.110	0.615	56	09/27/2017 14:42	WG1023237
Benzene	U		0.0166	0.0615	56	09/27/2017 14:42	WG1023237
Bromobenzene	U		0.0175	0.0615	56	09/27/2017 14:42	WG1023237
Bromodichloromethane	U		0.0156	0.0615	56	09/27/2017 14:42	WG1023237
Bromochloromethane	U		0.0239	0.307	56	09/27/2017 14:42	WG1023237
Bromoform	U		0.0260	0.0615	56	09/27/2017 14:42	WG1023237
Bromomethane	U		0.0823	0.307	56	09/27/2017 14:42	WG1023237
n-Butylbenzene	U		0.0158	0.0615	56	09/27/2017 14:42	WG1023237
sec-Butylbenzene	U		0.0123	0.0615	56	09/27/2017 14:42	WG1023237
tert-Butylbenzene	U		0.0126	0.0615	56	09/27/2017 14:42	WG1023237
Carbon disulfide	U		0.0136	0.0615	56	09/27/2017 14:42	WG1023237
Carbon tetrachloride	U		0.0202	0.0615	56	09/27/2017 14:42	WG1023237
Chlorobenzene	U		0.0131	0.0615	56	09/27/2017 14:42	WG1023237
Chlorodibromomethane	U		0.0229	0.0615	56	09/27/2017 14:42	WG1023237
Chloroethane	U		0.0582	0.307	56	09/27/2017 14:42	WG1023237
Chloroform	U		0.0141	0.307	56	09/27/2017 14:42	WG1023237
Chloromethane	U		0.0231	0.154	56	09/27/2017 14:42	WG1023237
2-Chlorotoluene	U		0.0184	0.0615	56	09/27/2017 14:42	WG1023237
4-Chlorotoluene	U		0.0147	0.0615	56	09/27/2017 14:42	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.0646	0.307	56	09/27/2017 14:42	WG1023237
1,2-Dibromoethane	U		0.0211	0.0615	56	09/27/2017 14:42	WG1023237
Dibromomethane	U		0.0235	0.0615	56	09/27/2017 14:42	WG1023237
1,2-Dichlorobenzene	U		0.0188	0.0615	56	09/27/2017 14:42	WG1023237
1,3-Dichlorobenzene	U		0.0147	0.0615	56	09/27/2017 14:42	WG1023237
1,4-Dichlorobenzene	U		0.0138	0.0615	56	09/27/2017 14:42	WG1023237
Dichlorodifluoromethane	U		0.0438	0.307	56	09/27/2017 14:42	WG1023237
1,1-Dichloroethane	U		0.0122	0.0615	56	09/27/2017 14:42	WG1023237
1,2-Dichloroethane	U		0.0162	0.0615	56	09/27/2017 14:42	WG1023237
1,1-Dichloroethene	U		0.0187	0.0615	56	09/27/2017 14:42	WG1023237
cis-1,2-Dichloroethene	5.25		0.0145	0.0615	56	09/27/2017 14:42	WG1023237
trans-1,2-Dichloroethene	0.0724		0.0162	0.0615	56	09/27/2017 14:42	WG1023237
1,2-Dichloropropane	U		0.0220	0.0615	56	09/27/2017 14:42	WG1023237
1,1-Dichloropropene	U		0.0195	0.0615	56	09/27/2017 14:42	WG1023237
1,3-Dichloropropane	U		0.0127	0.0615	56	09/27/2017 14:42	WG1023237
cis-1,3-Dichloropropene	U		0.0161	0.0615	56	09/27/2017 14:42	WG1023237
trans-1,3-Dichloropropene	U		0.0165	0.0615	56	09/27/2017 14:42	WG1023237
trans-1,4-Dichloro-2-butene	U	J4	0.0479	0.154	56	09/27/2017 14:42	WG1023237
2,2-Dichloropropane	U		0.0171	0.0615	56	09/27/2017 14:42	WG1023237
Di-isopropyl ether	U		0.0153	0.0615	56	09/27/2017 14:42	WG1023237
Ethylbenzene	U		0.0182	0.0615	56	09/27/2017 14:42	WG1023237
Hexachloro-1,3-butadiene	U		0.0211	0.0615	56	09/27/2017 14:42	WG1023237
2-Hexanone	U		0.0842	0.615	56	09/27/2017 14:42	WG1023237
n-Hexane	U		0.0178	0.615	56	09/27/2017 14:42	WG1023237
Iodomethane	U		0.156	0.615	56	09/27/2017 14:42	WG1023237
Isopropylbenzene	U		0.0149	0.0615	56	09/27/2017 14:42	WG1023237
p-Isopropyltoluene	U		0.0125	0.0615	56	09/27/2017 14:42	WG1023237
2-Butanone (MEK)	U		0.288	0.615	56	09/27/2017 14:42	WG1023237
Methylene Chloride	U		0.0615	0.307	56	09/27/2017 14:42	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.115	0.615	56	09/27/2017 14:42	WG1023237

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0131	0.0615	56	09/27/2017 14:42	WG1023237
Naphthalene	U		0.0615	0.307	56	09/27/2017 14:42	WG1023237
n-Propylbenzene	U		0.0126	0.0615	56	09/27/2017 14:42	WG1023237
Styrene	U		0.0144	0.0615	56	09/27/2017 14:42	WG1023237
1,1,1,2-Tetrachloroethane	U		0.0162	0.0615	56	09/27/2017 14:42	WG1023237
1,1,2,2-Tetrachloroethane	U		0.0224	0.0615	56	09/27/2017 14:42	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.0224	0.0615	56	09/27/2017 14:42	WG1023237
Tetrachloroethene	0.421		0.0169	0.0615	56	09/27/2017 14:42	WG1023237
Toluene	U		0.0267	0.307	56	09/27/2017 14:42	WG1023237
1,2,3-Trichlorobenzene	U		0.0188	0.0615	56	09/27/2017 14:42	WG1023237
1,2,4-Trichlorobenzene	U		0.0238	0.0615	56	09/27/2017 14:42	WG1023237
1,1,1-Trichloroethane	U		0.0176	0.0615	56	09/27/2017 14:42	WG1023237
1,1,2-Trichloroethane	U		0.0170	0.0615	56	09/27/2017 14:42	WG1023237
Trichloroethene	0.255		0.0171	0.0615	56	09/27/2017 14:42	WG1023237
Trichlorofluoromethane	U		0.0235	0.307	56	09/27/2017 14:42	WG1023237
1,2,3-Trichloropropane	U		0.0456	0.154	56	09/27/2017 14:42	WG1023237
1,2,4-Trimethylbenzene	U		0.0130	0.0615	56	09/27/2017 14:42	WG1023237
1,2,3-Trimethylbenzene	U		0.0177	0.0615	56	09/27/2017 14:42	WG1023237
1,3,5-Trimethylbenzene	U		0.0164	0.0615	56	09/27/2017 14:42	WG1023237
Vinyl acetate	U		0.147	0.615	56	09/27/2017 14:42	WG1023237
Vinyl chloride	0.271		0.0179	0.0615	56	09/27/2017 14:42	WG1023237
Xylenes, Total	U		0.0429	0.184	56	09/27/2017 14:42	WG1023237
(S) Toluene-d8	*110*			*80.0-120*		*09/27/2017 14:42*	WG1023237
(S) Dibromofluoromethane	*94.7*			*74.0-131*		*09/27/2017 14:42*	WG1023237
(S) 4-Bromofluorobenzene	*97.5*			*64.0-132*		*09/27/2017 14:42*	WG1023237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	09/25/2017 09:59	WG1024190

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0173	J J0	0.0107	0.0533	1	09/22/2017 03:49	WG1023237
Acrylonitrile	U		0.00191	0.0107	1	09/22/2017 03:49	WG1023237
Benzene	U		0.000288	0.00107	1	09/22/2017 03:49	WG1023237
Bromobenzene	U		0.000303	0.00107	1	09/22/2017 03:49	WG1023237
Bromodichloromethane	U		0.000271	0.00107	1	09/22/2017 03:49	WG1023237
Bromochloromethane	U		0.000416	0.00533	1	09/22/2017 03:49	WG1023237
Bromoform	U		0.000452	0.00107	1	09/22/2017 03:49	WG1023237
Bromomethane	U		0.00143	0.00533	1	09/22/2017 03:49	WG1023237
n-Butylbenzene	U		0.000275	0.00107	1	09/22/2017 03:49	WG1023237
sec-Butylbenzene	U		0.000214	0.00107	1	09/22/2017 03:49	WG1023237
tert-Butylbenzene	U		0.000220	0.00107	1	09/22/2017 03:49	WG1023237
Carbon disulfide	0.00186	J0	0.000236	0.00107	1	09/22/2017 03:49	WG1023237
Carbon tetrachloride	U		0.000350	0.00107	1	09/22/2017 03:49	WG1023237
Chlorobenzene	U		0.000226	0.00107	1	09/22/2017 03:49	WG1023237
Chlorodibromomethane	U		0.000398	0.00107	1	09/22/2017 03:49	WG1023237
Chloroethane	U		0.00101	0.00533	1	09/22/2017 03:49	WG1023237
Chloroform	U		0.000244	0.00533	1	09/22/2017 03:49	WG1023237
Chloromethane	U	J0	0.000400	0.00267	1	09/22/2017 03:49	WG1023237
2-Chlorotoluene	U		0.000321	0.00107	1	09/22/2017 03:49	WG1023237
4-Chlorotoluene	U		0.000256	0.00107	1	09/22/2017 03:49	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00533	1	09/22/2017 03:49	WG1023237
1,2-Dibromoethane	U		0.000366	0.00107	1	09/22/2017 03:49	WG1023237
Dibromomethane	U		0.000407	0.00107	1	09/22/2017 03:49	WG1023237
1,2-Dichlorobenzene	U		0.000325	0.00107	1	09/22/2017 03:49	WG1023237
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/22/2017 03:49	WG1023237
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/22/2017 03:49	WG1023237
Dichlorodifluoromethane	U	J0	0.000760	0.00533	1	09/22/2017 03:49	WG1023237
1,1-Dichloroethane	U		0.000212	0.00107	1	09/22/2017 03:49	WG1023237
1,2-Dichloroethane	U		0.000283	0.00107	1	09/22/2017 03:49	WG1023237
1,1-Dichloroethene	0.00704		0.000323	0.00107	1	09/22/2017 03:49	WG1023237
cis-1,2-Dichloroethene	3.19		0.0501	0.213	200	09/27/2017 15:02	WG1023237
trans-1,2-Dichloroethene	0.0173		0.000281	0.00107	1	09/22/2017 03:49	WG1023237
1,2-Dichloropropane	U		0.000382	0.00107	1	09/22/2017 03:49	WG1023237
1,1-Dichloropropene	U		0.000338	0.00107	1	09/22/2017 03:49	WG1023237
1,3-Dichloropropane	U		0.000221	0.00107	1	09/22/2017 03:49	WG1023237
cis-1,3-Dichloropropene	U		0.000279	0.00107	1	09/22/2017 03:49	WG1023237
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/22/2017 03:49	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000830	0.00267	1	09/22/2017 03:49	WG1023237
2,2-Dichloropropane	U		0.000297	0.00107	1	09/22/2017 03:49	WG1023237
Di-isopropyl ether	U		0.000264	0.00107	1	09/22/2017 03:49	WG1023237
Ethylbenzene	U		0.000317	0.00107	1	09/22/2017 03:49	WG1023237
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/22/2017 03:49	WG1023237
2-Hexanone	U		0.00146	0.0107	1	09/22/2017 03:49	WG1023237
n-Hexane	U		0.000309	0.0107	1	09/22/2017 03:49	WG1023237
Iodomethane	U		0.00270	0.0107	1	09/22/2017 03:49	WG1023237
Isopropylbenzene	U		0.000259	0.00107	1	09/22/2017 03:49	WG1023237
p-Isopropyltoluene	U		0.000218	0.00107	1	09/22/2017 03:49	WG1023237
2-Butanone (MEK)	U		0.00499	0.0107	1	09/22/2017 03:49	WG1023237
Methylene Chloride	U		0.00107	0.00533	1	09/22/2017 03:49	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0107	1	09/22/2017 03:49	WG1023237

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		0.000226	0.00107	1	09/22/2017 03:49	WG1023237
Naphthalene	U		0.00107	0.00533	1	09/22/2017 03:49	WG1023237
n-Propylbenzene	U		0.000220	0.00107	1	09/22/2017 03:49	WG1023237
Styrene	U		0.000250	0.00107	1	09/22/2017 03:49	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000281	0.00107	1	09/22/2017 03:49	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000389	0.00107	1	09/22/2017 03:49	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000389	0.00107	1	09/22/2017 03:49	WG1023237
Tetrachloroethene	2.01		0.0589	0.213	200	09/27/2017 15:02	WG1023237
Toluene	U		0.000463	0.00533	1	09/22/2017 03:49	WG1023237
1,2,3-Trichlorobenzene	U		0.000326	0.00107	1	09/22/2017 03:49	WG1023237
1,2,4-Trichlorobenzene	U		0.000414	0.00107	1	09/22/2017 03:49	WG1023237
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/22/2017 03:49	WG1023237
1,1,2-Trichloroethane	U		0.000295	0.00107	1	09/22/2017 03:49	WG1023237
Trichloroethene	0.953		0.0595	0.213	200	09/27/2017 15:02	WG1023237
Trichlorofluoromethane	U		0.000407	0.00533	1	09/22/2017 03:49	WG1023237
1,2,3-Trichloropropane	U		0.000790	0.00267	1	09/22/2017 03:49	WG1023237
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/22/2017 03:49	WG1023237
1,2,3-Trimethylbenzene	U		0.000306	0.00107	1	09/22/2017 03:49	WG1023237
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/22/2017 03:49	WG1023237
Vinyl acetate	U		0.00255	0.0107	1	09/22/2017 03:49	WG1023237
Vinyl chloride	0.0144		0.000310	0.00107	1	09/22/2017 03:49	WG1023237
Xylenes, Total	U		0.000744	0.00320	1	09/22/2017 03:49	WG1023237
(S) Toluene-d8	*102*			*80.0-120*		*09/22/2017 03:49*	WG1023237
(S) Toluene-d8	*108*			*80.0-120*		*09/27/2017 15:02*	WG1023237
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*09/27/2017 15:02*	WG1023237
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/22/2017 03:49*	WG1023237
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/22/2017 03:49*	WG1023237
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*09/27/2017 15:02*	WG1023237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	09/23/2017 09:21	WG1023495

Volatile Organic Compounds (GC/MS) 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	09/22/2017 04:09	WG1023237
Acrylonitrile	U		0.00204	0.0114	1	09/22/2017 04:09	WG1023237
Benzene	U		0.000307	0.00114	1	09/22/2017 04:09	WG1023237
Bromobenzene	U		0.000323	0.00114	1	09/22/2017 04:09	WG1023237
Bromodichloromethane	U		0.000289	0.00114	1	09/22/2017 04:09	WG1023237
Bromochloromethane	U		0.000443	0.00569	1	09/22/2017 04:09	WG1023237
Bromoform	U		0.000482	0.00114	1	09/22/2017 04:09	WG1023237
Bromomethane	U		0.00152	0.00569	1	09/22/2017 04:09	WG1023237
n-Butylbenzene	U		0.000293	0.00114	1	09/22/2017 04:09	WG1023237
sec-Butylbenzene	U		0.000229	0.00114	1	09/22/2017 04:09	WG1023237
tert-Butylbenzene	U		0.000234	0.00114	1	09/22/2017 04:09	WG1023237
Carbon disulfide	U	J0	0.000251	0.00114	1	09/22/2017 04:09	WG1023237
Carbon tetrachloride	U		0.000373	0.00114	1	09/22/2017 04:09	WG1023237
Chlorobenzene	U		0.000241	0.00114	1	09/22/2017 04:09	WG1023237
Chlorodibromomethane	U		0.000424	0.00114	1	09/22/2017 04:09	WG1023237
Chloroethane	U		0.00108	0.00569	1	09/22/2017 04:09	WG1023237
Chloroform	U		0.000260	0.00569	1	09/22/2017 04:09	WG1023237
Chloromethane	U	J0	0.000426	0.00284	1	09/22/2017 04:09	WG1023237
2-Chlorotoluene	U		0.000342	0.00114	1	09/22/2017 04:09	WG1023237
4-Chlorotoluene	U		0.000273	0.00114	1	09/22/2017 04:09	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00569	1	09/22/2017 04:09	WG1023237
1,2-Dibromoethane	U		0.000390	0.00114	1	09/22/2017 04:09	WG1023237
Dibromomethane	U		0.000434	0.00114	1	09/22/2017 04:09	WG1023237
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/22/2017 04:09	WG1023237
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/22/2017 04:09	WG1023237
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/22/2017 04:09	WG1023237
Dichlorodifluoromethane	U	J0	0.000811	0.00569	1	09/22/2017 04:09	WG1023237
1,1-Dichloroethane	U		0.000226	0.00114	1	09/22/2017 04:09	WG1023237
1,2-Dichloroethane	U		0.000301	0.00114	1	09/22/2017 04:09	WG1023237
1,1-Dichloroethene	0.000875	J	0.000345	0.00114	1	09/22/2017 04:09	WG1023237
cis-1,2-Dichloroethene	0.576		0.00669	0.0284	25	09/27/2017 15:22	WG1023237
trans-1,2-Dichloroethene	0.00163		0.000300	0.00114	1	09/22/2017 04:09	WG1023237
1,2-Dichloropropane	U		0.000407	0.00114	1	09/22/2017 04:09	WG1023237
1,1-Dichloropropene	U		0.000360	0.00114	1	09/22/2017 04:09	WG1023237
1,3-Dichloropropane	U		0.000235	0.00114	1	09/22/2017 04:09	WG1023237
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/22/2017 04:09	WG1023237
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/22/2017 04:09	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000885	0.00284	1	09/22/2017 04:09	WG1023237
2,2-Dichloropropane	U		0.000317	0.00114	1	09/22/2017 04:09	WG1023237
Di-isopropyl ether	U		0.000282	0.00114	1	09/22/2017 04:09	WG1023237
Ethylbenzene	U		0.000338	0.00114	1	09/22/2017 04:09	WG1023237
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	09/22/2017 04:09	WG1023237
2-Hexanone	U		0.00156	0.0114	1	09/22/2017 04:09	WG1023237
n-Hexane	U		0.000330	0.0114	1	09/22/2017 04:09	WG1023237
Iodomethane	U		0.00288	0.0114	1	09/22/2017 04:09	WG1023237
Isopropylbenzene	U		0.000276	0.00114	1	09/22/2017 04:09	WG1023237
p-Isopropyltoluene	U		0.000232	0.00114	1	09/22/2017 04:09	WG1023237
2-Butanone (MEK)	U		0.00532	0.0114	1	09/22/2017 04:09	WG1023237
Methylene Chloride	U		0.00114	0.00569	1	09/22/2017 04:09	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/22/2017 04:09	WG1023237

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

Analyte	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	09/22/2017 04:09	WG1023237
Naphthalene	U		0.00114	0.00569	1	09/22/2017 04:09	WG1023237
n-Propylbenzene	U		0.000234	0.00114	1	09/22/2017 04:09	WG1023237
Styrene	U		0.000266	0.00114	1	09/22/2017 04:09	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	09/22/2017 04:09	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	09/22/2017 04:09	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	09/22/2017 04:09	WG1023237
Tetrachloroethene	0.0351		0.000314	0.00114	1	09/22/2017 04:09	WG1023237
Toluene	U		0.000493	0.00569	1	09/22/2017 04:09	WG1023237
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	09/22/2017 04:09	WG1023237
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	09/22/2017 04:09	WG1023237
1,1,1-Trichloroethane	U		0.000325	0.00114	1	09/22/2017 04:09	WG1023237
1,1,2-Trichloroethane	U		0.000315	0.00114	1	09/22/2017 04:09	WG1023237
Trichloroethene	0.0526		0.000317	0.00114	1	09/22/2017 04:09	WG1023237
Trichlorofluoromethane	U		0.000434	0.00569	1	09/22/2017 04:09	WG1023237
1,2,3-Trichloropropane	U		0.000843	0.00284	1	09/22/2017 04:09	WG1023237
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	09/22/2017 04:09	WG1023237
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	09/22/2017 04:09	WG1023237
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	09/22/2017 04:09	WG1023237
Vinyl acetate	U		0.00272	0.0114	1	09/22/2017 04:09	WG1023237
Vinyl chloride	0.0771		0.000331	0.00114	1	09/22/2017 04:09	WG1023237
Xylenes, Total	U		0.000794	0.00341	1	09/22/2017 04:09	WG1023237
(S) Toluene-d8	*98.6*			*80.0-120*		*09/22/2017 04:09*	WG1023237
(S) Toluene-d8	*112*			*80.0-120*		*09/27/2017 15:22*	WG1023237
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/22/2017 04:09*	WG1023237
(S) Dibromofluoromethane	*96.2*			*74.0-131*		*09/27/2017 15:22*	WG1023237
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/27/2017 15:22*	WG1023237
(S) 4-Bromofluorobenzene	*98.9*			*64.0-132*		*09/22/2017 04:09*	WG1023237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	09/23/2017 09:21	WG1023495

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0387	J J0 V3	0.0116	0.0581	1	09/22/2017 04:28	WG1023237
Acrylonitrile	U		0.00208	0.0116	1	09/22/2017 04:28	WG1023237
Benzene	U		0.000314	0.00116	1	09/22/2017 04:28	WG1023237
Bromobenzene	U		0.000330	0.00116	1	09/22/2017 04:28	WG1023237
Bromodichloromethane	U		0.000295	0.00116	1	09/22/2017 04:28	WG1023237
Bromochloromethane	U		0.000453	0.00581	1	09/22/2017 04:28	WG1023237
Bromoform	U		0.000493	0.00116	1	09/22/2017 04:28	WG1023237
Bromomethane	U		0.00156	0.00581	1	09/22/2017 04:28	WG1023237
n-Butylbenzene	U		0.000300	0.00116	1	09/22/2017 04:28	WG1023237
sec-Butylbenzene	U		0.000234	0.00116	1	09/22/2017 04:28	WG1023237
tert-Butylbenzene	U		0.000239	0.00116	1	09/22/2017 04:28	WG1023237
Carbon disulfide	0.000360	J J0 V3	0.000257	0.00116	1	09/22/2017 04:28	WG1023237
Carbon tetrachloride	U		0.000381	0.00116	1	09/22/2017 04:28	WG1023237
Chlorobenzene	U		0.000246	0.00116	1	09/22/2017 04:28	WG1023237
Chlorodibromomethane	U		0.000434	0.00116	1	09/22/2017 04:28	WG1023237
Chloroethane	U		0.00110	0.00581	1	09/22/2017 04:28	WG1023237
Chloroform	0.000671	J V3	0.000266	0.00581	1	09/22/2017 04:28	WG1023237
Chloromethane	U	J0	0.000436	0.00291	1	09/22/2017 04:28	WG1023237
2-Chlorotoluene	U		0.000350	0.00116	1	09/22/2017 04:28	WG1023237
4-Chlorotoluene	U		0.000279	0.00116	1	09/22/2017 04:28	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	09/22/2017 04:28	WG1023237
1,2-Dibromoethane	U		0.000399	0.00116	1	09/22/2017 04:28	WG1023237
Dibromomethane	U		0.000444	0.00116	1	09/22/2017 04:28	WG1023237
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/22/2017 04:28	WG1023237
1,3-Dichlorobenzene	U		0.000278	0.00116	1	09/22/2017 04:28	WG1023237
1,4-Dichlorobenzene	U		0.000263	0.00116	1	09/22/2017 04:28	WG1023237
Dichlorodifluoromethane	U	J0	0.000829	0.00581	1	09/22/2017 04:28	WG1023237
1,1-Dichloroethane	U		0.000231	0.00116	1	09/22/2017 04:28	WG1023237
1,2-Dichloroethane	U		0.000308	0.00116	1	09/22/2017 04:28	WG1023237
1,1-Dichloroethene	0.00352	V3	0.000352	0.00116	1	09/22/2017 04:28	WG1023237
cis-1,2-Dichloroethene	2.13		0.273	1.16	1000	09/27/2017 15:42	WG1023237
trans-1,2-Dichloroethene	0.00550	V3	0.000307	0.00116	1	09/22/2017 04:28	WG1023237
1,2-Dichloropropane	U		0.000416	0.00116	1	09/22/2017 04:28	WG1023237
1,1-Dichloropropene	U		0.000368	0.00116	1	09/22/2017 04:28	WG1023237
1,3-Dichloropropane	U		0.000241	0.00116	1	09/22/2017 04:28	WG1023237
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	09/22/2017 04:28	WG1023237
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/22/2017 04:28	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000904	0.00291	1	09/22/2017 04:28	WG1023237
2,2-Dichloropropane	U		0.000324	0.00116	1	09/22/2017 04:28	WG1023237
Di-isopropyl ether	U		0.000288	0.00116	1	09/22/2017 04:28	WG1023237
Ethylbenzene	U		0.000345	0.00116	1	09/22/2017 04:28	WG1023237
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/22/2017 04:28	WG1023237
2-Hexanone	U		0.00159	0.0116	1	09/22/2017 04:28	WG1023237
n-Hexane	U		0.000337	0.0116	1	09/22/2017 04:28	WG1023237
Iodomethane	U		0.00294	0.0116	1	09/22/2017 04:28	WG1023237
Isopropylbenzene	U		0.000282	0.00116	1	09/22/2017 04:28	WG1023237
p-Isopropyltoluene	U		0.000237	0.00116	1	09/22/2017 04:28	WG1023237
2-Butanone (MEK)	0.00592	J V3	0.00544	0.0116	1	09/22/2017 04:28	WG1023237
Methylene Chloride	U		0.00116	0.00581	1	09/22/2017 04:28	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	09/22/2017 04:28	WG1023237

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

Analyte	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	09/22/2017 04:28	WG1023237
Naphthalene	U		0.00116	0.00581	1	09/22/2017 04:28	WG1023237
n-Propylbenzene	U		0.000239	0.00116	1	09/22/2017 04:28	WG1023237
Styrene	U		0.000272	0.00116	1	09/22/2017 04:28	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	09/22/2017 04:28	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/22/2017 04:28	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/22/2017 04:28	WG1023237
Tetrachloroethene	14.0		0.321	1.16	1000	09/27/2017 15:42	WG1023237
Toluene	0.000672	J	0.000504	0.00581	1	09/22/2017 04:28	WG1023237
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	09/22/2017 04:28	WG1023237
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	09/22/2017 04:28	WG1023237
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/22/2017 04:28	WG1023237
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/22/2017 04:28	WG1023237
Trichloroethene	1.74		0.324	1.16	1000	09/27/2017 15:42	WG1023237
Trichlorofluoromethane	U		0.000444	0.00581	1	09/22/2017 04:28	WG1023237
1,2,3-Trichloropropane	U		0.000861	0.00291	1	09/22/2017 04:28	WG1023237
1,2,4-Trimethylbenzene	0.000401	J V3	0.000245	0.00116	1	09/22/2017 04:28	WG1023237
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	09/22/2017 04:28	WG1023237
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/22/2017 04:28	WG1023237
Vinyl acetate	U		0.00278	0.0116	1	09/22/2017 04:28	WG1023237
Vinyl chloride	0.0490	V3	0.000338	0.00116	1	09/22/2017 04:28	WG1023237
Xylenes, Total	U		0.000811	0.00349	1	09/22/2017 04:28	WG1023237
(S) Toluene-d8	*91.0*			*80.0-120*		*09/22/2017 04:28*	WG1023237
(S) Toluene-d8	*111*			*80.0-120*		*09/27/2017 15:42*	WG1023237
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/27/2017 15:42*	WG1023237
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/22/2017 04:28*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/22/2017 04:28*	WG1023237
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/27/2017 15:42*	WG1023237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	09/23/2017 09:21	WG1023495

Volatile Organic Compounds (GC/MS) 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	0.0570	1	09/22/2017 04:48	WG1023237
Acrylonitrile	U		0.00204	0.0114	1	09/22/2017 04:48	WG1023237
Benzene	U		0.000308	0.00114	1	09/22/2017 04:48	WG1023237
Bromobenzene	U		0.000324	0.00114	1	09/22/2017 04:48	WG1023237
Bromodichloromethane	U		0.000290	0.00114	1	09/22/2017 04:48	WG1023237
Bromochloromethane	U		0.000445	0.00570	1	09/22/2017 04:48	WG1023237
Bromoform	U		0.000484	0.00114	1	09/22/2017 04:48	WG1023237
Bromomethane	U		0.00153	0.00570	1	09/22/2017 04:48	WG1023237
n-Butylbenzene	U		0.000294	0.00114	1	09/22/2017 04:48	WG1023237
sec-Butylbenzene	U		0.000229	0.00114	1	09/22/2017 04:48	WG1023237
tert-Butylbenzene	U		0.000235	0.00114	1	09/22/2017 04:48	WG1023237
Carbon disulfide	U	J0	0.000252	0.00114	1	09/22/2017 04:48	WG1023237
Carbon tetrachloride	U		0.000374	0.00114	1	09/22/2017 04:48	WG1023237
Chlorobenzene	U		0.000242	0.00114	1	09/22/2017 04:48	WG1023237
Chlorodibromomethane	U		0.000426	0.00114	1	09/22/2017 04:48	WG1023237
Chloroethane	0.00202	J	0.00108	0.00570	1	09/22/2017 04:48	WG1023237
Chloroform	U		0.000261	0.00570	1	09/22/2017 04:48	WG1023237
Chloromethane	U	J0	0.000428	0.00285	1	09/22/2017 04:48	WG1023237
2-Chlorotoluene	U		0.000343	0.00114	1	09/22/2017 04:48	WG1023237
4-Chlorotoluene	U		0.000274	0.00114	1	09/22/2017 04:48	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	09/22/2017 04:48	WG1023237
1,2-Dibromoethane	U		0.000391	0.00114	1	09/22/2017 04:48	WG1023237
Dibromomethane	U		0.000436	0.00114	1	09/22/2017 04:48	WG1023237
1,2-Dichlorobenzene	U		0.000348	0.00114	1	09/22/2017 04:48	WG1023237
1,3-Dichlorobenzene	U		0.000273	0.00114	1	09/22/2017 04:48	WG1023237
1,4-Dichlorobenzene	U		0.000258	0.00114	1	09/22/2017 04:48	WG1023237
Dichlorodifluoromethane	U	J0	0.000813	0.00570	1	09/22/2017 04:48	WG1023237
1,1-Dichloroethane	U		0.000227	0.00114	1	09/22/2017 04:48	WG1023237
1,2-Dichloroethane	U		0.000302	0.00114	1	09/22/2017 04:48	WG1023237
1,1-Dichloroethene	0.00451		0.000346	0.00114	1	09/22/2017 04:48	WG1023237
cis-1,2-Dichloroethene	1.55		0.268	1.14	1000	09/27/2017 16:01	WG1023237
trans-1,2-Dichloroethene	0.00784		0.000301	0.00114	1	09/22/2017 04:48	WG1023237
1,2-Dichloropropane	U		0.000408	0.00114	1	09/22/2017 04:48	WG1023237
1,1-Dichloropropene	U		0.000362	0.00114	1	09/22/2017 04:48	WG1023237
1,3-Dichloropropane	U		0.000236	0.00114	1	09/22/2017 04:48	WG1023237
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	09/22/2017 04:48	WG1023237
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	09/22/2017 04:48	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000888	0.00285	1	09/22/2017 04:48	WG1023237
2,2-Dichloropropane	U		0.000318	0.00114	1	09/22/2017 04:48	WG1023237
Di-isopropyl ether	U		0.000283	0.00114	1	09/22/2017 04:48	WG1023237
Ethylbenzene	U		0.000339	0.00114	1	09/22/2017 04:48	WG1023237
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/22/2017 04:48	WG1023237
2-Hexanone	U		0.00156	0.0114	1	09/22/2017 04:48	WG1023237
n-Hexane	U		0.000331	0.0114	1	09/22/2017 04:48	WG1023237
Iodomethane	U		0.00289	0.0114	1	09/22/2017 04:48	WG1023237
Isopropylbenzene	U		0.000277	0.00114	1	09/22/2017 04:48	WG1023237
p-Isopropyltoluene	U		0.000233	0.00114	1	09/22/2017 04:48	WG1023237
2-Butanone (MEK)	U		0.00534	0.0114	1	09/22/2017 04:48	WG1023237
Methylene Chloride	U		0.00114	0.00570	1	09/22/2017 04:48	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/22/2017 04:48	WG1023237

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		0.000242	0.00114	1	09/22/2017 04:48	WG1023237
Naphthalene	U		0.00114	0.00570	1	09/22/2017 04:48	WG1023237
n-Propylbenzene	U		0.000235	0.00114	1	09/22/2017 04:48	WG1023237
Styrene	U		0.000267	0.00114	1	09/22/2017 04:48	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/22/2017 04:48	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/22/2017 04:48	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/22/2017 04:48	WG1023237
Tetrachloroethene	6.52		0.315	1.14	1000	09/27/2017 16:01	WG1023237
Toluene	U		0.000495	0.00570	1	09/22/2017 04:48	WG1023237
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/22/2017 04:48	WG1023237
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	09/22/2017 04:48	WG1023237
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/22/2017 04:48	WG1023237
1,1,2-Trichloroethane	U		0.000316	0.00114	1	09/22/2017 04:48	WG1023237
Trichloroethene	0.692	J	0.318	1.14	1000	09/27/2017 16:01	WG1023237
Trichlorofluoromethane	U		0.000436	0.00570	1	09/22/2017 04:48	WG1023237
1,2,3-Trichloropropane	U		0.000845	0.00285	1	09/22/2017 04:48	WG1023237
1,2,4-Trimethylbenzene	0.000410	J	0.000241	0.00114	1	09/22/2017 04:48	WG1023237
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/22/2017 04:48	WG1023237
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/22/2017 04:48	WG1023237
Vinyl acetate	U		0.00273	0.0114	1	09/22/2017 04:48	WG1023237
Vinyl chloride	0.143		0.000332	0.00114	1	09/22/2017 04:48	WG1023237
Xylenes, Total	U		0.000796	0.00342	1	09/22/2017 04:48	WG1023237
(S) Toluene-d8	*95.7*			*80.0-120*		*09/22/2017 04:48*	WG1023237
(S) Toluene-d8	*107*			*80.0-120*		*09/27/2017 16:01*	WG1023237
(S) Dibromofluoromethane	*98.4*			*74.0-131*		*09/27/2017 16:01*	WG1023237
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/22/2017 04:48*	WG1023237
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/22/2017 04:48*	WG1023237
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*09/27/2017 16:01*	WG1023237

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	90.1		1	09/23/2017 09:21	WG1023495

Volatile Organic Compounds (GC/MS) 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	09/22/2017 05:07	WG1023237
Acrylonitrile	U		0.00199	0.0111	1	09/22/2017 05:07	WG1023237
Benzene	U		0.000300	0.00111	1	09/22/2017 05:07	WG1023237
Bromobenzene	U		0.000315	0.00111	1	09/22/2017 05:07	WG1023237
Bromodichloromethane	U		0.000282	0.00111	1	09/22/2017 05:07	WG1023237
Bromochloromethane	U		0.000433	0.00555	1	09/22/2017 05:07	WG1023237
Bromoform	U		0.000471	0.00111	1	09/22/2017 05:07	WG1023237
Bromomethane	U		0.00149	0.00555	1	09/22/2017 05:07	WG1023237
n-Butylbenzene	U		0.000286	0.00111	1	09/22/2017 05:07	WG1023237
sec-Butylbenzene	U		0.000223	0.00111	1	09/22/2017 05:07	WG1023237
tert-Butylbenzene	U		0.000229	0.00111	1	09/22/2017 05:07	WG1023237
Carbon disulfide	0.00104	J J0	0.000245	0.00111	1	09/22/2017 05:07	WG1023237
Carbon tetrachloride	U		0.000364	0.00111	1	09/22/2017 05:07	WG1023237
Chlorobenzene	U		0.000235	0.00111	1	09/22/2017 05:07	WG1023237
Chlorodibromomethane	U		0.000414	0.00111	1	09/22/2017 05:07	WG1023237
Chloroethane	U		0.00105	0.00555	1	09/22/2017 05:07	WG1023237
Chloroform	U		0.000254	0.00555	1	09/22/2017 05:07	WG1023237
Chloromethane	U	J0	0.000416	0.00278	1	09/22/2017 05:07	WG1023237
2-Chlorotoluene	U		0.000334	0.00111	1	09/22/2017 05:07	WG1023237
4-Chlorotoluene	U		0.000266	0.00111	1	09/22/2017 05:07	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	09/22/2017 05:07	WG1023237
1,2-Dibromoethane	U		0.000381	0.00111	1	09/22/2017 05:07	WG1023237
Dibromomethane	U		0.000424	0.00111	1	09/22/2017 05:07	WG1023237
1,2-Dichlorobenzene	U		0.000339	0.00111	1	09/22/2017 05:07	WG1023237
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/22/2017 05:07	WG1023237
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/22/2017 05:07	WG1023237
Dichlorodifluoromethane	U	J0	0.000792	0.00555	1	09/22/2017 05:07	WG1023237
1,1-Dichloroethane	U		0.000221	0.00111	1	09/22/2017 05:07	WG1023237
1,2-Dichloroethane	U		0.000294	0.00111	1	09/22/2017 05:07	WG1023237
1,1-Dichloroethene	0.00259		0.000336	0.00111	1	09/22/2017 05:07	WG1023237
cis-1,2-Dichloroethene	2.73		0.487	2.08	1870	09/27/2017 16:21	WG1023237
trans-1,2-Dichloroethene	0.00562		0.000293	0.00111	1	09/22/2017 05:07	WG1023237
1,2-Dichloropropane	U		0.000397	0.00111	1	09/22/2017 05:07	WG1023237
1,1-Dichloropropene	U		0.000352	0.00111	1	09/22/2017 05:07	WG1023237
1,3-Dichloropropane	U		0.000230	0.00111	1	09/22/2017 05:07	WG1023237
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	09/22/2017 05:07	WG1023237
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/22/2017 05:07	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000864	0.00278	1	09/22/2017 05:07	WG1023237
2,2-Dichloropropane	U		0.000310	0.00111	1	09/22/2017 05:07	WG1023237
Di-isopropyl ether	U		0.000275	0.00111	1	09/22/2017 05:07	WG1023237
Ethylbenzene	U		0.000330	0.00111	1	09/22/2017 05:07	WG1023237
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	09/22/2017 05:07	WG1023237
2-Hexanone	U		0.00152	0.0111	1	09/22/2017 05:07	WG1023237
n-Hexane	U		0.000322	0.0111	1	09/22/2017 05:07	WG1023237
Iodomethane	U		0.00281	0.0111	1	09/22/2017 05:07	WG1023237
Isopropylbenzene	U		0.000270	0.00111	1	09/22/2017 05:07	WG1023237
p-Isopropyltoluene	U		0.000226	0.00111	1	09/22/2017 05:07	WG1023237
2-Butanone (MEK)	U		0.00520	0.0111	1	09/22/2017 05:07	WG1023237
Methylene Chloride	U		0.00111	0.00555	1	09/22/2017 05:07	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	09/22/2017 05:07	WG1023237

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

Analyte	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	09/22/2017 05:07	WG1023237
Naphthalene	U		0.00111	0.00555	1	09/22/2017 05:07	WG1023237
n-Propylbenzene	U		0.000229	0.00111	1	09/22/2017 05:07	WG1023237
Styrene	U		0.000260	0.00111	1	09/22/2017 05:07	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/22/2017 05:07	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/22/2017 05:07	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/22/2017 05:07	WG1023237
Tetrachloroethene	38.9		0.573	2.08	1870	09/27/2017 16:21	WG1023237
Toluene	U		0.000482	0.00555	1	09/22/2017 05:07	WG1023237
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	09/22/2017 05:07	WG1023237
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	09/22/2017 05:07	WG1023237
1,1,1-Trichloroethane	U		0.000317	0.00111	1	09/22/2017 05:07	WG1023237
1,1,2-Trichloroethane	U		0.000308	0.00111	1	09/22/2017 05:07	WG1023237
Trichloroethene	5.82		0.579	2.08	1870	09/27/2017 16:21	WG1023237
Trichlorofluoromethane	U		0.000424	0.00555	1	09/22/2017 05:07	WG1023237
1,2,3-Trichloropropane	U		0.000823	0.00278	1	09/22/2017 05:07	WG1023237
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/22/2017 05:07	WG1023237
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	09/22/2017 05:07	WG1023237
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/22/2017 05:07	WG1023237
Vinyl acetate	U		0.00265	0.0111	1	09/22/2017 05:07	WG1023237
Vinyl chloride	0.132		0.000323	0.00111	1	09/22/2017 05:07	WG1023237
Xylenes, Total	U		0.000775	0.00333	1	09/22/2017 05:07	WG1023237
(S) Toluene-d8	*95.1*			*80.0-120*		*09/22/2017 05:07*	WG1023237
(S) Toluene-d8	*110*			*80.0-120*		*09/27/2017 16:21*	WG1023237
(S) Dibromofluoromethane	*109*			*74.0-131*		*09/22/2017 05:07*	WG1023237
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/27/2017 16:21*	WG1023237
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/22/2017 05:07*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/27/2017 16:21*	WG1023237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	09/25/2017 09:59	WG1024190

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0106	0.0531	1	09/22/2017 05:26	WG1023237
Acrylonitrile	U		0.00190	0.0106	1	09/22/2017 05:26	WG1023237
Benzene	U		0.000287	0.00106	1	09/22/2017 05:26	WG1023237
Bromobenzene	U		0.000302	0.00106	1	09/22/2017 05:26	WG1023237
Bromodichloromethane	U		0.000270	0.00106	1	09/22/2017 05:26	WG1023237
Bromochloromethane	U		0.000414	0.00531	1	09/22/2017 05:26	WG1023237
Bromoform	U		0.000450	0.00106	1	09/22/2017 05:26	WG1023237
Bromomethane	U		0.00142	0.00531	1	09/22/2017 05:26	WG1023237
n-Butylbenzene	U		0.000274	0.00106	1	09/22/2017 05:26	WG1023237
sec-Butylbenzene	U		0.000213	0.00106	1	09/22/2017 05:26	WG1023237
tert-Butylbenzene	U		0.000219	0.00106	1	09/22/2017 05:26	WG1023237
Carbon disulfide	0.00221	J0	0.000235	0.00106	1	09/22/2017 05:26	WG1023237
Carbon tetrachloride	U		0.000348	0.00106	1	09/22/2017 05:26	WG1023237
Chlorobenzene	U		0.000225	0.00106	1	09/22/2017 05:26	WG1023237
Chlorodibromomethane	U		0.000396	0.00106	1	09/22/2017 05:26	WG1023237
Chloroethane	U		0.00100	0.00531	1	09/22/2017 05:26	WG1023237
Chloroform	U		0.000243	0.00531	1	09/22/2017 05:26	WG1023237
Chloromethane	U	J0	0.000398	0.00265	1	09/22/2017 05:26	WG1023237
2-Chlorotoluene	U		0.000320	0.00106	1	09/22/2017 05:26	WG1023237
4-Chlorotoluene	U		0.000255	0.00106	1	09/22/2017 05:26	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00531	1	09/22/2017 05:26	WG1023237
1,2-Dibromoethane	U		0.000364	0.00106	1	09/22/2017 05:26	WG1023237
Dibromomethane	U		0.000406	0.00106	1	09/22/2017 05:26	WG1023237
1,2-Dichlorobenzene	U		0.000324	0.00106	1	09/22/2017 05:26	WG1023237
1,3-Dichlorobenzene	U		0.000254	0.00106	1	09/22/2017 05:26	WG1023237
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/22/2017 05:26	WG1023237
Dichlorodifluoromethane	U	J0	0.000757	0.00531	1	09/22/2017 05:26	WG1023237
1,1-Dichloroethane	U		0.000211	0.00106	1	09/22/2017 05:26	WG1023237
1,2-Dichloroethane	U		0.000281	0.00106	1	09/22/2017 05:26	WG1023237
1,1-Dichloroethene	0.00535		0.000322	0.00106	1	09/22/2017 05:26	WG1023237
cis-1,2-Dichloroethene	5.52		0.0249	0.106	100	09/27/2017 16:41	WG1023237
trans-1,2-Dichloroethene	0.0127		0.000280	0.00106	1	09/22/2017 05:26	WG1023237
1,2-Dichloropropane	U		0.000380	0.00106	1	09/22/2017 05:26	WG1023237
1,1-Dichloropropene	U		0.000337	0.00106	1	09/22/2017 05:26	WG1023237
1,3-Dichloropropane	U		0.000220	0.00106	1	09/22/2017 05:26	WG1023237
cis-1,3-Dichloropropene	U		0.000278	0.00106	1	09/22/2017 05:26	WG1023237
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	09/22/2017 05:26	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000826	0.00265	1	09/22/2017 05:26	WG1023237
2,2-Dichloropropane	U		0.000296	0.00106	1	09/22/2017 05:26	WG1023237
Di-isopropyl ether	U		0.000263	0.00106	1	09/22/2017 05:26	WG1023237
Ethylbenzene	U		0.000315	0.00106	1	09/22/2017 05:26	WG1023237
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	09/22/2017 05:26	WG1023237
2-Hexanone	U		0.00145	0.0106	1	09/22/2017 05:26	WG1023237
n-Hexane	U		0.000308	0.0106	1	09/22/2017 05:26	WG1023237
Iodomethane	U		0.00269	0.0106	1	09/22/2017 05:26	WG1023237
Isopropylbenzene	U		0.000258	0.00106	1	09/22/2017 05:26	WG1023237
p-Isopropyltoluene	U		0.000217	0.00106	1	09/22/2017 05:26	WG1023237
2-Butanone (MEK)	U		0.00497	0.0106	1	09/22/2017 05:26	WG1023237
Methylene Chloride	U		0.00106	0.00531	1	09/22/2017 05:26	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	09/22/2017 05:26	WG1023237

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

Analyte	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	09/22/2017 05:26	WG1023237
Naphthalene	U		0.00106	0.00531	1	09/22/2017 05:26	WG1023237
n-Propylbenzene	U		0.000219	0.00106	1	09/22/2017 05:26	WG1023237
Styrene	U		0.000248	0.00106	1	09/22/2017 05:26	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	09/22/2017 05:26	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	09/22/2017 05:26	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	09/22/2017 05:26	WG1023237
Tetrachloroethene	0.537		0.0293	0.106	100	09/27/2017 16:41	WG1023237
Toluene	U		0.000461	0.00531	1	09/22/2017 05:26	WG1023237
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	09/22/2017 05:26	WG1023237
1,2,4-Trichlorobenzene	U		0.000412	0.00106	1	09/22/2017 05:26	WG1023237
1,1,1-Trichloroethane	U		0.000304	0.00106	1	09/22/2017 05:26	WG1023237
1,1,2-Trichloroethane	U		0.000294	0.00106	1	09/22/2017 05:26	WG1023237
Trichloroethene	0.180		0.000296	0.00106	1	09/22/2017 05:26	WG1023237
Trichlorofluoromethane	U		0.000406	0.00531	1	09/22/2017 05:26	WG1023237
1,2,3-Trichloropropane	U		0.000787	0.00265	1	09/22/2017 05:26	WG1023237
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	09/22/2017 05:26	WG1023237
1,2,3-Trimethylbenzene	U		0.000305	0.00106	1	09/22/2017 05:26	WG1023237
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	09/22/2017 05:26	WG1023237
Vinyl acetate	U		0.00254	0.0106	1	09/22/2017 05:26	WG1023237
Vinyl chloride	0.00427		0.000309	0.00106	1	09/22/2017 05:26	WG1023237
Xylenes, Total	U		0.000741	0.00319	1	09/22/2017 05:26	WG1023237
(S) Toluene-d8	*111*			*80.0-120*		*09/27/2017 16:41*	WG1023237
(S) Toluene-d8	*98.8*			*80.0-120*		*09/22/2017 05:26*	WG1023237
(S) Dibromofluoromethane	*98.8*			*74.0-131*		*09/27/2017 16:41*	WG1023237
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/22/2017 05:26*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/27/2017 16:41*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/22/2017 05:26*	WG1023237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	09/23/2017 09:21	WG1023495

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0204	J J0	0.0108	0.0538	1	09/22/2017 05:46	WG1023237
Acrylonitrile	U		0.00193	0.0108	1	09/22/2017 05:46	WG1023237
Benzene	U		0.000290	0.00108	1	09/22/2017 05:46	WG1023237
Bromobenzene	U		0.000305	0.00108	1	09/22/2017 05:46	WG1023237
Bromodichloromethane	U		0.000273	0.00108	1	09/22/2017 05:46	WG1023237
Bromochloromethane	U		0.000419	0.00538	1	09/22/2017 05:46	WG1023237
Bromoform	U		0.000456	0.00108	1	09/22/2017 05:46	WG1023237
Bromomethane	U		0.00144	0.00538	1	09/22/2017 05:46	WG1023237
n-Butylbenzene	U		0.000277	0.00108	1	09/22/2017 05:46	WG1023237
sec-Butylbenzene	U		0.000216	0.00108	1	09/22/2017 05:46	WG1023237
tert-Butylbenzene	U		0.000222	0.00108	1	09/22/2017 05:46	WG1023237
Carbon disulfide	0.00177	J0	0.000238	0.00108	1	09/22/2017 05:46	WG1023237
Carbon tetrachloride	U		0.000353	0.00108	1	09/22/2017 05:46	WG1023237
Chlorobenzene	U		0.000228	0.00108	1	09/22/2017 05:46	WG1023237
Chlorodibromomethane	U		0.000401	0.00108	1	09/22/2017 05:46	WG1023237
Chloroethane	U		0.00102	0.00538	1	09/22/2017 05:46	WG1023237
Chloroform	U		0.000246	0.00538	1	09/22/2017 05:46	WG1023237
Chloromethane	U	J0	0.000403	0.00269	1	09/22/2017 05:46	WG1023237
2-Chlorotoluene	U		0.000324	0.00108	1	09/22/2017 05:46	WG1023237
4-Chlorotoluene	U		0.000258	0.00108	1	09/22/2017 05:46	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	09/22/2017 05:46	WG1023237
1,2-Dibromoethane	U		0.000369	0.00108	1	09/22/2017 05:46	WG1023237
Dibromomethane	U		0.000411	0.00108	1	09/22/2017 05:46	WG1023237
1,2-Dichlorobenzene	U		0.000328	0.00108	1	09/22/2017 05:46	WG1023237
1,3-Dichlorobenzene	U		0.000257	0.00108	1	09/22/2017 05:46	WG1023237
1,4-Dichlorobenzene	U		0.000243	0.00108	1	09/22/2017 05:46	WG1023237
Dichlorodifluoromethane	U	J0	0.000767	0.00538	1	09/22/2017 05:46	WG1023237
1,1-Dichloroethane	U		0.000214	0.00108	1	09/22/2017 05:46	WG1023237
1,2-Dichloroethane	U		0.000285	0.00108	1	09/22/2017 05:46	WG1023237
1,1-Dichloroethene	0.00164		0.000326	0.00108	1	09/22/2017 05:46	WG1023237
cis-1,2-Dichloroethene	0.0913		0.000253	0.00108	1	09/22/2017 05:46	WG1023237
trans-1,2-Dichloroethene	0.000689	J	0.000284	0.00108	1	09/22/2017 05:46	WG1023237
1,2-Dichloropropane	U		0.000385	0.00108	1	09/22/2017 05:46	WG1023237
1,1-Dichloropropene	U		0.000341	0.00108	1	09/22/2017 05:46	WG1023237
1,3-Dichloropropane	U		0.000223	0.00108	1	09/22/2017 05:46	WG1023237
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	09/22/2017 05:46	WG1023237
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	09/22/2017 05:46	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000837	0.00269	1	09/22/2017 05:46	WG1023237
2,2-Dichloropropane	U		0.000300	0.00108	1	09/22/2017 05:46	WG1023237
Di-isopropyl ether	U		0.000267	0.00108	1	09/22/2017 05:46	WG1023237
Ethylbenzene	U		0.000319	0.00108	1	09/22/2017 05:46	WG1023237
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	09/22/2017 05:46	WG1023237
2-Hexanone	U		0.00147	0.0108	1	09/22/2017 05:46	WG1023237
n-Hexane	0.00212	J	0.000312	0.0108	1	09/22/2017 05:46	WG1023237
Iodomethane	U		0.00272	0.0108	1	09/22/2017 05:46	WG1023237
Isopropylbenzene	U		0.000261	0.00108	1	09/22/2017 05:46	WG1023237
p-Isopropyltoluene	U		0.000219	0.00108	1	09/22/2017 05:46	WG1023237
2-Butanone (MEK)	U		0.00503	0.0108	1	09/22/2017 05:46	WG1023237
Methylene Chloride	U		0.00108	0.00538	1	09/22/2017 05:46	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	09/22/2017 05:46	WG1023237

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

Analyte	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	09/22/2017 05:46	WG1023237
Naphthalene	U		0.00108	0.00538	1	09/22/2017 05:46	WG1023237
n-Propylbenzene	U		0.000222	0.00108	1	09/22/2017 05:46	WG1023237
Styrene	U		0.000252	0.00108	1	09/22/2017 05:46	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	09/22/2017 05:46	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	09/22/2017 05:46	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	09/22/2017 05:46	WG1023237
Tetrachloroethene	15.5		0.297	1.08	1000	09/27/2017 17:01	WG1023237
Toluene	U		0.000467	0.00538	1	09/22/2017 05:46	WG1023237
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	09/22/2017 05:46	WG1023237
1,2,4-Trichlorobenzene	U		0.000417	0.00108	1	09/22/2017 05:46	WG1023237
1,1,1-Trichloroethane	U		0.000308	0.00108	1	09/22/2017 05:46	WG1023237
1,1,2-Trichloroethane	U		0.000298	0.00108	1	09/22/2017 05:46	WG1023237
Trichloroethene	1.25		0.300	1.08	1000	09/27/2017 17:01	WG1023237
Trichlorofluoromethane	U		0.000411	0.00538	1	09/22/2017 05:46	WG1023237
1,2,3-Trichloropropane	U		0.000797	0.00269	1	09/22/2017 05:46	WG1023237
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	09/22/2017 05:46	WG1023237
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	09/22/2017 05:46	WG1023237
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	09/22/2017 05:46	WG1023237
Vinyl acetate	U		0.00257	0.0108	1	09/22/2017 05:46	WG1023237
Vinyl chloride	0.00210		0.000313	0.00108	1	09/22/2017 05:46	WG1023237
Xylenes, Total	U		0.000751	0.00323	1	09/22/2017 05:46	WG1023237
(S) Toluene-d8	*106*			*80.0-120*		*09/27/2017 17:01*	WG1023237
(S) Toluene-d8	*95.0*			*80.0-120*		*09/22/2017 05:46*	WG1023237
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*09/27/2017 17:01*	WG1023237
(S) Dibromofluoromethane	*106*			*74.0-131*		*09/22/2017 05:46*	WG1023237
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/27/2017 17:01*	WG1023237
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/22/2017 05:46*	WG1023237

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	09/23/2017 09:21	WG1023495

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0133	J J0	0.0108	0.0538	1	09/22/2017 06:05	WG1023237
Acrylonitrile	U		0.00193	0.0108	1	09/22/2017 06:05	WG1023237
Benzene	U		0.000290	0.00108	1	09/22/2017 06:05	WG1023237
Bromobenzene	U		0.000305	0.00108	1	09/22/2017 06:05	WG1023237
Bromodichloromethane	U		0.000273	0.00108	1	09/22/2017 06:05	WG1023237
Bromochloromethane	U		0.000419	0.00538	1	09/22/2017 06:05	WG1023237
Bromoform	U		0.000456	0.00108	1	09/22/2017 06:05	WG1023237
Bromomethane	U		0.00144	0.00538	1	09/22/2017 06:05	WG1023237
n-Butylbenzene	U		0.000277	0.00108	1	09/22/2017 06:05	WG1023237
sec-Butylbenzene	U		0.000216	0.00108	1	09/22/2017 06:05	WG1023237
tert-Butylbenzene	U		0.000222	0.00108	1	09/22/2017 06:05	WG1023237
Carbon disulfide	0.00188	J0	0.000238	0.00108	1	09/22/2017 06:05	WG1023237
Carbon tetrachloride	U		0.000353	0.00108	1	09/22/2017 06:05	WG1023237
Chlorobenzene	U		0.000228	0.00108	1	09/22/2017 06:05	WG1023237
Chlorodibromomethane	U		0.000401	0.00108	1	09/22/2017 06:05	WG1023237
Chloroethane	U		0.00102	0.00538	1	09/22/2017 06:05	WG1023237
Chloroform	U		0.000246	0.00538	1	09/22/2017 06:05	WG1023237
Chloromethane	U	J0	0.000403	0.00269	1	09/22/2017 06:05	WG1023237
2-Chlorotoluene	U		0.000324	0.00108	1	09/22/2017 06:05	WG1023237
4-Chlorotoluene	U		0.000258	0.00108	1	09/22/2017 06:05	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	09/22/2017 06:05	WG1023237
1,2-Dibromoethane	U		0.000369	0.00108	1	09/22/2017 06:05	WG1023237
Dibromomethane	U		0.000411	0.00108	1	09/22/2017 06:05	WG1023237
1,2-Dichlorobenzene	U		0.000328	0.00108	1	09/22/2017 06:05	WG1023237
1,3-Dichlorobenzene	U		0.000257	0.00108	1	09/22/2017 06:05	WG1023237
1,4-Dichlorobenzene	U		0.000243	0.00108	1	09/22/2017 06:05	WG1023237
Dichlorodifluoromethane	U	J0	0.000767	0.00538	1	09/22/2017 06:05	WG1023237
1,1-Dichloroethane	U		0.000214	0.00108	1	09/22/2017 06:05	WG1023237
1,2-Dichloroethane	U		0.000285	0.00108	1	09/22/2017 06:05	WG1023237
1,1-Dichloroethene	0.00161		0.000326	0.00108	1	09/22/2017 06:05	WG1023237
cis-1,2-Dichloroethene	0.0766		0.000253	0.00108	1	09/22/2017 06:05	WG1023237
trans-1,2-Dichloroethene	0.000658	J	0.000284	0.00108	1	09/22/2017 06:05	WG1023237
1,2-Dichloropropane	U		0.000385	0.00108	1	09/22/2017 06:05	WG1023237
1,1-Dichloropropene	U		0.000341	0.00108	1	09/22/2017 06:05	WG1023237
1,3-Dichloropropane	U		0.000223	0.00108	1	09/22/2017 06:05	WG1023237
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	09/22/2017 06:05	WG1023237
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	09/22/2017 06:05	WG1023237
trans-1,4-Dichloro-2-butene	U	J0 J4	0.000837	0.00269	1	09/22/2017 06:05	WG1023237
2,2-Dichloropropane	U		0.000300	0.00108	1	09/22/2017 06:05	WG1023237
Di-isopropyl ether	U		0.000267	0.00108	1	09/22/2017 06:05	WG1023237
Ethylbenzene	U		0.000319	0.00108	1	09/22/2017 06:05	WG1023237
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	09/22/2017 06:05	WG1023237
2-Hexanone	U		0.00147	0.0108	1	09/22/2017 06:05	WG1023237
n-Hexane	0.00215	J	0.000312	0.0108	1	09/22/2017 06:05	WG1023237
Iodomethane	U		0.00272	0.0108	1	09/22/2017 06:05	WG1023237
Isopropylbenzene	U		0.000261	0.00108	1	09/22/2017 06:05	WG1023237
p-Isopropyltoluene	U		0.000219	0.00108	1	09/22/2017 06:05	WG1023237
2-Butanone (MEK)	U		0.00503	0.0108	1	09/22/2017 06:05	WG1023237
Methylene Chloride	U		0.00108	0.00538	1	09/22/2017 06:05	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	09/22/2017 06:05	WG1023237

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

Analyte	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	09/22/2017 06:05	WG1023237
Naphthalene	U		0.00108	0.00538	1	09/22/2017 06:05	WG1023237
n-Propylbenzene	U		0.000222	0.00108	1	09/22/2017 06:05	WG1023237
Styrene	U		0.000252	0.00108	1	09/22/2017 06:05	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	09/22/2017 06:05	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	09/22/2017 06:05	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	09/22/2017 06:05	WG1023237
Tetrachloroethene	18.5		0.297	1.08	1000	09/27/2017 17:20	WG1023237
Toluene	U		0.000467	0.00538	1	09/22/2017 06:05	WG1023237
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	09/22/2017 06:05	WG1023237
1,2,4-Trichlorobenzene	U		0.000417	0.00108	1	09/22/2017 06:05	WG1023237
1,1,1-Trichloroethane	U		0.000308	0.00108	1	09/22/2017 06:05	WG1023237
1,1,2-Trichloroethane	U		0.000298	0.00108	1	09/22/2017 06:05	WG1023237
Trichloroethene	2.03		0.300	1.08	1000	09/27/2017 17:20	WG1023237
Trichlorofluoromethane	U		0.000411	0.00538	1	09/22/2017 06:05	WG1023237
1,2,3-Trichloropropane	U		0.000797	0.00269	1	09/22/2017 06:05	WG1023237
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	09/22/2017 06:05	WG1023237
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	09/22/2017 06:05	WG1023237
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	09/22/2017 06:05	WG1023237
Vinyl acetate	U		0.00257	0.0108	1	09/22/2017 06:05	WG1023237
Vinyl chloride	0.00191		0.000313	0.00108	1	09/22/2017 06:05	WG1023237
Xylenes, Total	U		0.000751	0.00323	1	09/22/2017 06:05	WG1023237
(S) Toluene-d8	*94.7*			*80.0-120*		*09/22/2017 06:05*	WG1023237
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 17:20*	WG1023237
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/27/2017 17:20*	WG1023237
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/22/2017 06:05*	WG1023237
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*09/22/2017 06:05*	WG1023237
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/27/2017 17:20*	WG1023237

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/23/2017 08:34	WG1023738
Acrylonitrile	U		0.873	5.00	1	09/23/2017 08:34	WG1023738
Benzene	U		0.0896	0.500	1	09/23/2017 08:34	WG1023738
Bromobenzene	U		0.133	0.500	1	09/23/2017 08:34	WG1023738
Bromodichloromethane	U		0.0800	0.500	1	09/23/2017 08:34	WG1023738
Bromochloromethane	U		0.145	0.500	1	09/23/2017 08:34	WG1023738
Bromoform	U		0.186	0.500	1	09/23/2017 08:34	WG1023738
Bromomethane	U		0.157	2.50	1	09/23/2017 08:34	WG1023738
n-Butylbenzene	U		0.143	0.500	1	09/23/2017 08:34	WG1023738
sec-Butylbenzene	U		0.134	0.500	1	09/23/2017 08:34	WG1023738
tert-Butylbenzene	U		0.183	0.500	1	09/23/2017 08:34	WG1023738
Carbon disulfide	U		0.101	0.500	1	09/23/2017 08:34	WG1023738
Carbon tetrachloride	U		0.159	0.500	1	09/23/2017 08:34	WG1023738
Chlorobenzene	U		0.140	0.500	1	09/23/2017 08:34	WG1023738
Chlorodibromomethane	U		0.128	0.500	1	09/23/2017 08:34	WG1023738
Chloroethane	U		0.141	2.50	1	09/23/2017 08:34	WG1023738
Chloroform	U		0.0860	0.500	1	09/23/2017 08:34	WG1023738
Chloromethane	U		0.153	1.25	1	09/23/2017 08:34	WG1023738
2-Chlorotoluene	U		0.111	0.500	1	09/23/2017 08:34	WG1023738
4-Chlorotoluene	U		0.0972	0.500	1	09/23/2017 08:34	WG1023738
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/23/2017 08:34	WG1023738
1,2-Dibromoethane	U		0.193	0.500	1	09/23/2017 08:34	WG1023738
Dibromomethane	U		0.117	0.500	1	09/23/2017 08:34	WG1023738
1,2-Dichlorobenzene	U		0.101	0.500	1	09/23/2017 08:34	WG1023738
1,3-Dichlorobenzene	U		0.130	0.500	1	09/23/2017 08:34	WG1023738
1,4-Dichlorobenzene	U		0.121	0.500	1	09/23/2017 08:34	WG1023738
Dichlorodifluoromethane	U		0.127	2.50	1	09/23/2017 08:34	WG1023738
1,1-Dichloroethane	U		0.114	0.500	1	09/23/2017 08:34	WG1023738
1,2-Dichloroethane	U		0.108	0.500	1	09/23/2017 08:34	WG1023738
1,1-Dichloroethene	U		0.188	0.500	1	09/23/2017 08:34	WG1023738
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/23/2017 08:34	WG1023738
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/23/2017 08:34	WG1023738
1,2-Dichloropropane	U		0.190	0.500	1	09/23/2017 08:34	WG1023738
1,1-Dichloropropene	U		0.128	0.500	1	09/23/2017 08:34	WG1023738
1,3-Dichloropropane	U		0.147	1.00	1	09/23/2017 08:34	WG1023738
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/23/2017 08:34	WG1023738
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/23/2017 08:34	WG1023738
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	09/23/2017 08:34	WG1023738
2,2-Dichloropropane	U		0.0929	0.500	1	09/23/2017 08:34	WG1023738
Di-isopropyl ether	U		0.0924	0.500	1	09/23/2017 08:34	WG1023738
Ethylbenzene	U		0.158	0.500	1	09/23/2017 08:34	WG1023738
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/23/2017 08:34	WG1023738
2-Hexanone	U		0.757	5.00	1	09/23/2017 08:34	WG1023738
n-Hexane	U		0.305	5.00	1	09/23/2017 08:34	WG1023738
Iodomethane	U		0.377	10.0	1	09/23/2017 08:34	WG1023738
Isopropylbenzene	U		0.126	0.500	1	09/23/2017 08:34	WG1023738
p-Isopropyltoluene	U		0.138	0.500	1	09/23/2017 08:34	WG1023738
2-Butanone (MEK)	U		1.28	5.00	1	09/23/2017 08:34	WG1023738
Methylene Chloride	U		1.07	2.50	1	09/23/2017 08:34	WG1023738
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/23/2017 08:34	WG1023738
Methyl tert-butyl ether	U		0.102	0.500	1	09/23/2017 08:34	WG1023738
Naphthalene	U		0.174	2.50	1	09/23/2017 08:34	WG1023738
n-Propylbenzene	U		0.162	0.500	1	09/23/2017 08:34	WG1023738
Styrene	U		0.117	0.500	1	09/23/2017 08:34	WG1023738
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/23/2017 08:34	WG1023738
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/23/2017 08:34	WG1023738

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/23/2017 08:34	WG1023738
Tetrachloroethene	U		0.199	0.500	1	09/23/2017 08:34	WG1023738
Toluene	U		0.412	0.500	1	09/23/2017 08:34	WG1023738
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/23/2017 08:34	WG1023738
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/23/2017 08:34	WG1023738
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/23/2017 08:34	WG1023738
1,1,2-Trichloroethane	U		0.186	0.500	1	09/23/2017 08:34	WG1023738
Trichloroethene	U		0.153	0.500	1	09/23/2017 08:34	WG1023738
Trichlorofluoromethane	U		0.130	2.50	1	09/23/2017 08:34	WG1023738
1,2,3-Trichloropropane	U		0.247	2.50	1	09/23/2017 08:34	WG1023738
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/23/2017 08:34	WG1023738
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/23/2017 08:34	WG1023738
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/23/2017 08:34	WG1023738
Vinyl acetate	U		0.645	5.00	1	09/23/2017 08:34	WG1023738
Vinyl chloride	U		0.118	0.500	1	09/23/2017 08:34	WG1023738
Xylenes, Total	U		0.316	1.50	1	09/23/2017 08:34	WG1023738
(S) Toluene-d8	*104*			*80.0-120*		*09/23/2017 08:34*	WG1023738
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/23/2017 08:34*	WG1023738
(S) 4-Bromofluorobenzene	*89.7*			*80.0-120*		*09/23/2017 08:34*	WG1023738

Method Blank (MB)

(MB) R3251868-1 09/23/17 09:21

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000600			

L938165-07 Original Sample (OS) • Duplicate (DUP)

(OS) L938165-07 09/23/17 09:21 • (DUP) R3251868-3 09/23/17 09:21

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.0	87.2	1	1.34		5

Laboratory Control Sample (LCS)

(LCS) R3251868-2 09/23/17 09:21

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) R3252217-1 09/25/17 09:59

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000100			

L938165-02 Original Sample (OS) • Duplicate (DUP)

(OS) L938165-02 09/25/17 09:59 • (DUP) R3252217-3 09/25/17 09:59

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.1	88.1	1	0.00515		5

Laboratory Control Sample (LCS)

(LCS) R3252217-2 09/25/17 09:59

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) R3252668-2 09/21/17 22:17

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) R3252668-2 09/21/17 22:17

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
Iodomethane	U		0.00253	0.0100
n-Hexane	U		0.000290	0.0100
2-Hexanone	U		0.00137	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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*98.2*			*74.0-131*
(S) 4-Bromofluorobenzene	*103*			*64.0-132*

Laboratory Control Sample (LCS)

(LCS) R3252668-1 09/21/17 21:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.115	91.6	11.0-160	
Acrylonitrile	0.125	0.110	88.4	61.0-143	
Benzene	0.0250	0.0253	101	71.0-124	
Bromobenzene	0.0250	0.0223	89.4	78.0-120	
Bromodichloromethane	0.0250	0.0253	101	75.0-120	
Bromochloromethane	0.0250	0.0265	106	80.0-121	
Bromoform	0.0250	0.0212	84.9	65.0-133	
Bromomethane	0.0250	0.0293	117	26.0-160	
n-Butylbenzene	0.0250	0.0270	108	73.0-126	
sec-Butylbenzene	0.0250	0.0267	107	75.0-121	
tert-Butylbenzene	0.0250	0.0261	104	74.0-122	
Carbon disulfide	0.0250	0.0256	102	53.0-130	
Carbon tetrachloride	0.0250	0.0244	97.7	66.0-123	
Chlorobenzene	0.0250	0.0263	105	79.0-121	
Chlorodibromomethane	0.0250	0.0250	100	74.0-128	
Chloroethane	0.0250	0.0238	95.3	51.0-147	
Chloroform	0.0250	0.0258	103	73.0-123	
Chloromethane	0.0250	0.0174	69.6	51.0-138	
2-Chlorotoluene	0.0250	0.0249	99.7	72.0-124	
4-Chlorotoluene	0.0250	0.0240	96.0	78.0-120	
1,2-Dibromo-3-Chloropropane	0.0250	0.0222	88.7	65.0-126	
1,2-Dibromoethane	0.0250	0.0257	103	78.0-122	
Dibromomethane	0.0250	0.0268	107	79.0-120	
1,2-Dichlorobenzene	0.0250	0.0267	107	80.0-120	
1,3-Dichlorobenzene	0.0250	0.0270	108	72.0-123	
1,4-Dichlorobenzene	0.0250	0.0259	104	77.0-120	
Dichlorodifluoromethane	0.0250	0.0197	78.9	49.0-155	
trans-1,4-Dichloro-2-butene	0.0250	0.0166	66.5	68.0-126	J4
1,1-Dichloroethane	0.0250	0.0234	93.6	70.0-128	
1,2-Dichloroethane	0.0250	0.0245	98.2	69.0-128	
1,1-Dichloroethene	0.0250	0.0297	119	63.0-131	
cis-1,2-Dichloroethene	0.0250	0.0259	104	74.0-123	
trans-1,2-Dichloroethene	0.0250	0.0260	104	72.0-122	
1,2-Dichloropropane	0.0250	0.0231	92.4	75.0-126	
1,1-Dichloropropene	0.0250	0.0250	99.9	72.0-130	
1,3-Dichloropropane	0.0250	0.0245	98.1	80.0-121	
cis-1,3-Dichloropropene	0.0250	0.0237	94.6	80.0-125	
trans-1,3-Dichloropropene	0.0250	0.0232	92.6	75.0-129	
2,2-Dichloropropane	0.0250	0.0236	94.3	60.0-129	
Di-isopropyl ether	0.0250	0.0199	79.6	62.0-133	

Laboratory Control Sample (LCS)

(LCS) R3252668-1 09/21/17 21:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.0250	0.0255	102	77.0-120	
Hexachloro-1,3-butadiene	0.0250	0.0271	108	68.0-128	
2-Hexanone	0.125	0.111	88.7	61.0-143	
n-Hexane	0.0250	0.0206	82.5	57.0-125	
Isopropylbenzene	0.0250	0.0255	102	75.0-120	
Iodomethane	0.125	0.116	92.7	67.0-132	
p-Isopropyltoluene	0.0250	0.0260	104	74.0-125	
2-Butanone (MEK)	0.125	0.103	82.5	37.0-159	
Methylene Chloride	0.0250	0.0243	97.1	67.0-123	
4-Methyl-2-pentanone (MIBK)	0.125	0.0999	79.9	60.0-144	
Methyl tert-butyl ether	0.0250	0.0244	97.6	66.0-125	
Naphthalene	0.0250	0.0255	102	64.0-125	
n-Propylbenzene	0.0250	0.0253	101	78.0-120	
Styrene	0.0250	0.0254	101	78.0-124	
1,1,1,2-Tetrachloroethane	0.0250	0.0255	102	74.0-124	
1,1,2,2-Tetrachloroethane	0.0250	0.0252	101	73.0-120	
Tetrachloroethene	0.0250	0.0265	106	70.0-127	
Toluene	0.0250	0.0256	103	77.0-120	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0314	125	64.0-135	
1,2,3-Trichlorobenzene	0.0250	0.0254	101	68.0-126	
1,2,4-Trichlorobenzene	0.0250	0.0256	102	70.0-127	
1,1,1-Trichloroethane	0.0250	0.0268	107	69.0-125	
1,1,2-Trichloroethane	0.0250	0.0262	105	78.0-120	
Trichloroethene	0.0250	0.0250	99.9	79.0-120	
Trichlorofluoromethane	0.0250	0.0304	122	59.0-136	
1,2,3-Trichloropropane	0.0250	0.0256	102	73.0-124	
1,2,3-Trimethylbenzene	0.0250	0.0238	95.2	76.0-120	
1,2,4-Trimethylbenzene	0.0250	0.0244	97.5	75.0-120	
1,3,5-Trimethylbenzene	0.0250	0.0256	102	75.0-120	
Vinyl chloride	0.0250	0.0240	96.2	63.0-134	
Xylenes, Total	0.0750	0.0772	103	77.0-120	
Vinyl acetate	0.125	0.108	86.1	58.0-156	
(S) Toluene-d8			*100*	*80.0-120*	
(S) Dibromofluoromethane			*101*	*74.0-131*	
(S) 4-Bromofluorobenzene			*91.3*	*64.0-132*	

Method Blank (MB)

(MB) R3252486-3 09/23/17 06:48

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
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) R3252486-3 09/23/17 06:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*106*			*80.0-120*
(S) Dibromofluoromethane	*102*			*76.0-123*
(S) 4-Bromofluorobenzene	*89.9*			*80.0-120*

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

(LCS) R3252486-1 09/23/17 05:22 • (LCSD) R3252486-2 09/23/17 05:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	142	139	114	112	10.0-160			2.06	23
Acrylonitrile	125	132	131	105	105	60.0-142			0.800	20
Benzene	25.0	25.1	24.9	100	99.8	69.0-123			0.520	20
Bromobenzene	25.0	23.2	23.1	92.6	92.4	79.0-120			0.320	20
Bromodichloromethane	25.0	24.6	24.6	98.3	98.3	76.0-120			0.0300	20
Bromochloromethane	25.0	25.2	25.6	101	103	76.0-122			1.65	20
Bromoform	25.0	26.4	25.8	106	103	67.0-132			2.53	20
Bromomethane	25.0	26.6	27.1	106	108	18.0-160			2.00	20
n-Butylbenzene	25.0	24.6	25.4	98.5	102	72.0-126			2.98	20
sec-Butylbenzene	25.0	25.3	25.7	101	103	74.0-121			1.34	20
tert-Butylbenzene	25.0	24.6	25.1	98.3	100	75.0-122			2.00	20
Carbon disulfide	25.0	24.5	25.2	97.8	101	55.0-127			2.89	20
Carbon tetrachloride	25.0	25.8	25.4	103	102	63.0-122			1.67	20
Chlorobenzene	25.0	25.9	25.8	104	103	79.0-121			0.680	20
Chlorodibromomethane	25.0	27.2	27.5	109	110	75.0-125			1.15	20
Chloroethane	25.0	27.5	28.3	110	113	47.0-152			2.85	20
Chloroform	25.0	25.2	25.2	101	101	72.0-121			0.0600	20
Chloromethane	25.0	23.8	24.7	95.3	98.6	48.0-139			3.47	20
2-Chlorotoluene	25.0	23.5	24.1	93.9	96.3	74.0-122			2.43	20
4-Chlorotoluene	25.0	23.2	23.4	92.7	93.6	79.0-120			0.970	20
1,2-Dibromo-3-Chloropropane	25.0	25.8	25.0	103	100	64.0-127			3.23	20
1,2-Dibromoethane	25.0	26.3	25.8	105	103	77.0-123			1.92	20
Dibromomethane	25.0	25.7	25.4	103	102	78.0-120			0.850	20
1,2-Dichlorobenzene	25.0	25.2	25.4	101	101	80.0-120			0.510	20
1,3-Dichlorobenzene	25.0	24.4	24.7	97.8	98.8	72.0-123			1.07	20
1,4-Dichlorobenzene	25.0	24.5	24.8	98.1	99.3	77.0-120			1.20	20
Dichlorodifluoromethane	25.0	27.2	28.3	109	113	49.0-155			3.72	20
1,1-Dichloroethane	25.0	24.9	25.0	99.4	100	70.0-126			0.520	20
1,2-Dichloroethane	25.0	26.2	25.8	105	103	67.0-126			1.46	20
1,1-Dichloroethene	25.0	24.7	24.9	98.9	99.7	64.0-129			0.770	20
cis-1,2-Dichloroethene	25.0	24.6	24.9	98.6	99.7	73.0-120			1.13	20
trans-1,2-Dichloroethene	25.0	24.7	25.4	98.7	102	71.0-121			2.82	20
1,2-Dichloropropane	25.0	25.3	25.2	101	101	75.0-125			0.720	20
1,1-Dichloropropene	25.0	25.6	25.7	102	103	71.0-129			0.450	20
1,3-Dichloropropane	25.0	26.3	26.1	105	104	80.0-121			0.740	20
cis-1,3-Dichloropropene	25.0	25.0	25.3	100	101	79.0-123			1.17	20
trans-1,3-Dichloropropene	25.0	25.4	25.5	101	102	74.0-127			0.460	20
trans-1,4-Dichloro-2-butene	25.0	19.8	20.1	79.3	80.3	55.0-134			1.27	20
2,2-Dichloropropane	25.0	21.1	22.6	84.4	90.3	60.0-125			6.75	20
Di-isopropyl ether	25.0	24.2	24.5	96.9	98.1	59.0-133			1.23	20

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

(LCS) R3252486-1 09/23/17 05:22 • (LCSD) R3252486-2 09/23/17 05:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	25.0	25.1	25.3	100	101	77.0-120			1.07	20
Hexachloro-1,3-butadiene	25.0	23.7	25.8	94.8	103	64.0-131			8.50	20
2-Hexanone	125	141	137	113	110	58.0-147			3.11	20
n-Hexane	25.0	23.1	23.2	92.3	92.9	56.0-124			0.660	20
Iodomethane	125	124	127	99.3	102	57.0-140			2.29	20
Isopropylbenzene	25.0	23.6	24.2	94.5	96.7	75.0-120			2.33	20
p-Isopropyltoluene	25.0	25.5	25.9	102	104	74.0-126			1.75	20
2-Butanone (MEK)	125	124	121	99.6	97.0	37.0-158			2.57	20
Methylene Chloride	25.0	24.2	24.6	96.7	98.2	66.0-121			1.58	20
4-Methyl-2-pentanone (MIBK)	125	128	124	102	99.0	59.0-143			3.02	20
Methyl tert-butyl ether	25.0	25.5	25.5	102	102	64.0-123			0.250	20
Naphthalene	25.0	23.9	25.1	95.7	100	62.0-128			4.57	20
n-Propylbenzene	25.0	23.4	23.8	93.5	95.2	79.0-120			1.84	20
Styrene	25.0	23.5	23.7	94.0	94.9	78.0-124			1.03	20
1,1,1,2-Tetrachloroethane	25.0	26.3	26.4	105	105	75.0-122			0.310	20
1,1,2,2-Tetrachloroethane	25.0	23.1	22.3	92.2	89.1	71.0-122			3.45	20
1,1,2-Trichlorotrifluoroethane	25.0	26.0	26.2	104	105	61.0-136			0.790	20
Tetrachloroethene	25.0	25.4	25.7	102	103	70.0-127			1.04	20
Toluene	25.0	24.7	25.0	98.8	100	77.0-120			1.29	20
1,2,3-Trichlorobenzene	25.0	24.3	25.8	97.1	103	61.0-133			5.91	20
1,2,4-Trichlorobenzene	25.0	23.6	24.9	94.4	99.7	69.0-129			5.53	20
1,1,1-Trichloroethane	25.0	25.8	25.9	103	104	68.0-122			0.420	20
1,1,2-Trichloroethane	25.0	25.5	25.6	102	102	78.0-120			0.190	20
Trichloroethene	25.0	26.2	26.9	105	107	78.0-120			2.52	20
Trichlorofluoromethane	25.0	26.3	27.2	105	109	56.0-137			3.51	20
1,2,3-Trichloropropane	25.0	24.5	23.9	98.2	95.5	72.0-124			2.78	20
1,2,4-Trimethylbenzene	25.0	23.5	24.0	94.1	95.8	75.0-120			1.76	20
1,2,3-Trimethylbenzene	25.0	25.3	25.6	101	103	75.0-120			1.10	20
1,3,5-Trimethylbenzene	25.0	23.6	24.3	94.5	97.1	75.0-120			2.70	20
Vinyl acetate	125	103	86.3	82.6	69.0	46.0-160			17.9	20
Vinyl chloride	25.0	28.1	28.1	113	113	64.0-133			0.0300	20
Xylenes, Total	75.0	76.0	76.4	101	102	77.0-120			0.530	20
(S) Toluene-d8				*102*	*103*	*80.0-120*				
(S) Dibromofluoromethane				*100*	*101*	*76.0-123*				
(S) 4-Bromofluorobenzene				*92.7*	*93.9*	*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.
J4	The associated batch QC was outside the established quality control range for accuracy.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

ACCREDITATIONS & LOCATIONS

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.

State Accreditations

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

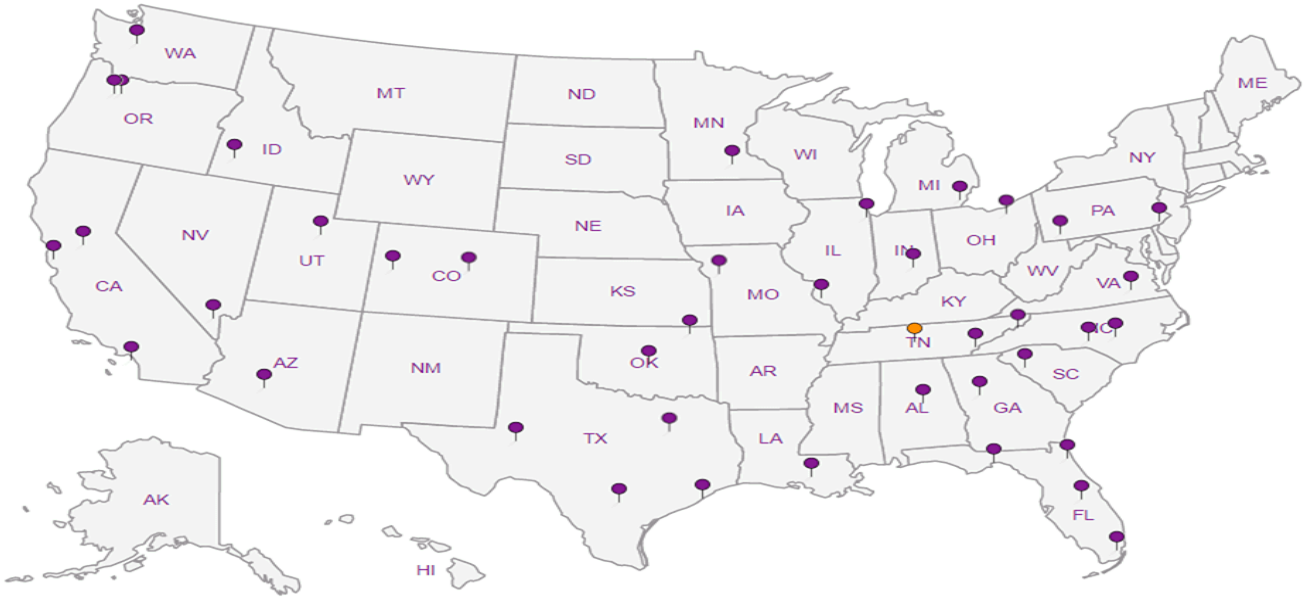
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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

Report to: Bill Haldeman

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

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # A13.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON McKERNAN

Site/Facility ID # A13.001.02.602

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

Chain of Custody Page 1 of 2

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

L# 938165
H191

Acctnum: PESENVSWA
Template: T127855
Prelogin: P618512
TSR: 110 - Brian Ford
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2ozClr-NoPres	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOC 8260C 2ozClr-NoPres	VOC 8260C 40ml/NaHS04/Syr/MeOH	Remarks	Sample # (lab only)
B-218-10	GRAB	SS	10	9/19/17	1455	5	X			X	HOLD	-
B-218-12.5		SS	12.5		1500	5	X			X		01
B-218-19		SS	19		1510	5	X			X		02
B-218-25		SS	25		1520	5	X			X		03
B-218-40		SS	40		1545	5	X			X		04
B-218-50		SS	50	↓	1615	5	X			X		05
B-220-15		SS	15	9/20/17	0950	5	X			X		06
B-220-29		SS	29		1010	5	X			X		07
B-220-32		SS	32		1030	5	X			X		08
B-220-40	↓	SS	40	↓	1040	5	X			X		09

* 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 # 7474 0921 0296

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
	9/20/17	1345		1
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.1 °C Bottles Received: 65
				If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9.21.17 Time: 8:45
				09-115

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: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # K413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON McKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2ozClr-NoPres TS	NWTPHGX 40ml/NaHSO4/Syr/MeOH	VOC 8260C 2ozClr-NoPres 40 ml	VOC 8260C 40ml/NaHSO4/Syr/MeOH							Remarks	Sample # (lab only)
B-913-70	GRAB	SS	70	09/19/17	1535	5	X			X						-10		-10
B-914-75	↓	SS	75	9/20/17	1055	5	X			X						-11		-11
B-220-50	↓	SS	50	↓	1115	5	X			X						-12		-12
TRIP BLANK-092017	NA	NA ~~SS~~	NA	5/15/17	NA	1			X							-13		13
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																

Chain of Custody Page 2 of 2

ESC LAB SCIENCES
a subsidiary of Accutest

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

L# 938165

Table #

Acctnum: PESENVSWA
Template: T127855
Prelogin: P618512
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:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking # 7474 0921 0296

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
	9/20/17	1345		1
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.1 °C Bottles Received: 65
				If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9.21.17 Time: 8:45
			Jennifer Floyd	Hold: Condition: NCF / OK

MEMORANDUM

TO: Project File **DATE:** October 17, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 19-20, 2017 – Soil Samples

LAB: ESC Lab ID L938165

Thirteen (13) soil samples including two field duplicates, and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 19-20, 2017. The samples were shipped and delivered to ESC Lab Sciences (ESC) of Mount Juliet, TN for laboratory analysis. One soil sample was placed on hold. 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.

The results are reported in ESC Sample Delivery Group (SDG) L938165. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L938165 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 19-20, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 4.1 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved waters from the date of sample collection. All holding time criteria were met.

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for carbon disulfide, chloromethane, dichlorodifluoromethane, and trans-1,4-dichloro-2-butene associated with analytical batch WG1023237 (analyzed on September 22, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, carbon disulfide, chloromethane, dichlorodifluoromethane, and trans-1,4-dichloro-2-butene associated with analytical batch WG1023237 (analyzed on September 22, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

Total Solids by SM 2540 G 2011:
Laboratory method blank was 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:
A trip blank was collected and submitted for VOC analysis. The target analytes were not detected in the trip blank at or above the RDL.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Two sets of field duplicate (samples B-218-50/ B-913-70 and samples B-220-50/ B-914-75) results are comparable for VOCs and less than 30% RPD with the following exceptions:

- Field duplicate sample pair (B-218-50 and B-913-70) RPDs are greater than 30% for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride. **Sample field duplicate (B-218-50 and B-913-70) results for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride 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.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on two client samples B-218-19 and B-220-29. 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, LCS/LCSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

Laboratory Control Samples

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

- LCS (Batch WG1023237 for soils) % recovery for trans-1,4-dichloro-2-butene is low, below laboratory criteria, and qualified by the laboratory (J4). **All associated results for trans-1,4-dichloro-2-butene are estimated and qualified (UJ) due to the low LCS recovery and CCV recovery outside of acceptance limits.**

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 not performed. Refer to LCS/LCSD results for more information.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following exception:

- Sample B-218-19 VOC results are footnoted to indicate that there is an elevated reporting limit for trichloroethene because ESC used up all of the low level sodium bisulfite preserved vials (no stir bars) and used a methanol preserved vial to analyze for trichloroethene. No action was taken other than to note this.

- One of the VOC internal standards for sample B-220-29 exhibited poor recovery due to sample matrix interference. Associated analytical results are biased high and qualified by the laboratory (V3). ESC indicated that results below the detection limit (BDL), the method detection limit, are unaffected. **Sample B-220-29 results for acetone, carbon disulfide, chloroform, 1,1-dichloroethene, trans-1,2-dichloroethene, 2-butanone (MEK), 1,2,4-trimethylbenzene, and vinyl chloride are estimated with high bias and qualified (J+).**

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	09/25/2017 09:59	WG1024190

Volatile Organic Compounds (GC/MS) 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	09/22/2017 02:30	WG1023237
Acrylonitrile	U		0.00204	0.0114	1	09/22/2017 02:30	WG1023237
Benzene	U		0.000307	0.00114	1	09/22/2017 02:30	WG1023237
Bromobenzene	U		0.000323	0.00114	1	09/22/2017 02:30	WG1023237
Bromodichloromethane	U		0.000289	0.00114	1	09/22/2017 02:30	WG1023237
Bromochloromethane	U		0.000444	0.00569	1	09/22/2017 02:30	WG1023237
Bromoform	U		0.000483	0.00114	1	09/22/2017 02:30	WG1023237
Bromomethane	U		0.00153	0.00569	1	09/22/2017 02:30	WG1023237
n-Butylbenzene	U		0.000294	0.00114	1	09/22/2017 02:30	WG1023237
sec-Butylbenzene	U		0.000229	0.00114	1	09/22/2017 02:30	WG1023237
tert-Butylbenzene	U		0.000235	0.00114	1	09/22/2017 02:30	WG1023237
Carbon disulfide	U	UJ J0	0.000252	0.00114	1	09/22/2017 02:30	WG1023237
Carbon tetrachloride	U		0.000373	0.00114	1	09/22/2017 02:30	WG1023237
Chlorobenzene	U		0.000241	0.00114	1	09/22/2017 02:30	WG1023237
Chlorodibromomethane	U		0.000425	0.00114	1	09/22/2017 02:30	WG1023237
Chloroethane	U		0.00108	0.00569	1	09/22/2017 02:30	WG1023237
Chloroform	U		0.000261	0.00569	1	09/22/2017 02:30	WG1023237
Chloromethane	U	UJ J0	0.000427	0.00285	1	09/22/2017 02:30	WG1023237
2-Chlorotoluene	U		0.000343	0.00114	1	09/22/2017 02:30	WG1023237
4-Chlorotoluene	U		0.000273	0.00114	1	09/22/2017 02:30	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00569	1	09/22/2017 02:30	WG1023237
1,2-Dibromoethane	U		0.000391	0.00114	1	09/22/2017 02:30	WG1023237
Dibromomethane	U		0.000435	0.00114	1	09/22/2017 02:30	WG1023237
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/22/2017 02:30	WG1023237
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/22/2017 02:30	WG1023237
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/22/2017 02:30	WG1023237
Dichlorodifluoromethane	U	UJ J0	0.000812	0.00569	1	09/22/2017 02:30	WG1023237
1,1-Dichloroethane	U		0.000227	0.00114	1	09/22/2017 02:30	WG1023237
1,2-Dichloroethane	U		0.000302	0.00114	1	09/22/2017 02:30	WG1023237
1,1-Dichloroethene	0.0131		0.000345	0.00114	1	09/22/2017 02:30	WG1023237
cis-1,2-Dichloroethene	2.16		0.0268	0.114	100	09/27/2017 14:23	WG1023237
trans-1,2-Dichloroethene	0.0171		0.000301	0.00114	1	09/22/2017 02:30	WG1023237
1,2-Dichloropropane	U		0.000408	0.00114	1	09/22/2017 02:30	WG1023237
1,1-Dichloropropene	U		0.000361	0.00114	1	09/22/2017 02:30	WG1023237
1,3-Dichloropropane	U		0.000236	0.00114	1	09/22/2017 02:30	WG1023237
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/22/2017 02:30	WG1023237
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/22/2017 02:30	WG1023237
trans-1,4-Dichloro-2-butene	U	UJ J0 J4	0.000886	0.00285	1	09/22/2017 02:30	WG1023237
2,2-Dichloropropane	U		0.000318	0.00114	1	09/22/2017 02:30	WG1023237
Di-isopropyl ether	U		0.000282	0.00114	1	09/22/2017 02:30	WG1023237
Ethylbenzene	U		0.000338	0.00114	1	09/22/2017 02:30	WG1023237
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	09/22/2017 02:30	WG1023237
2-Hexanone	U		0.00156	0.0114	1	09/22/2017 02:30	WG1023237
n-Hexane	U		0.000330	0.0114	1	09/22/2017 02:30	WG1023237
Iodomethane	U		0.00288	0.0114	1	09/22/2017 02:30	WG1023237
Isopropylbenzene	U		0.000277	0.00114	1	09/22/2017 02:30	WG1023237
p-Isopropyltoluene	U		0.000232	0.00114	1	09/22/2017 02:30	WG1023237
2-Butanone (MEK)	U		0.00533	0.0114	1	09/22/2017 02:30	WG1023237
Methylene Chloride	U		0.00114	0.00569	1	09/22/2017 02:30	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/22/2017 02:30	WG1023237

JC 10/17/17

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

Analyte	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	09/22/2017 02:30	WG1023237
Naphthalene	U		0.00114	0.00569	1	09/22/2017 02:30	WG1023237
n-Propylbenzene	U		0.000235	0.00114	1	09/22/2017 02:30	WG1023237
Styrene	U		0.000266	0.00114	1	09/22/2017 02:30	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/22/2017 02:30	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/22/2017 02:30	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/22/2017 02:30	WG1023237
Tetrachloroethene	0.0438		0.000314	0.00114	1	09/22/2017 02:30	WG1023237
Toluene	U		0.000494	0.00569	1	09/22/2017 02:30	WG1023237
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	09/22/2017 02:30	WG1023237
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	09/22/2017 02:30	WG1023237
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/22/2017 02:30	WG1023237
1,1,2-Trichloroethane	U		0.000315	0.00114	1	09/22/2017 02:30	WG1023237
Trichloroethene	0.775		0.0318	0.114	100	09/27/2017 14:23	WG1023237
Trichlorofluoromethane	U		0.000435	0.00569	1	09/22/2017 02:30	WG1023237
1,2,3-Trichloropropane	U		0.000844	0.00285	1	09/22/2017 02:30	WG1023237
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	09/22/2017 02:30	WG1023237
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/22/2017 02:30	WG1023237
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/22/2017 02:30	WG1023237
Vinyl acetate	U		0.00272	0.0114	1	09/22/2017 02:30	WG1023237
Vinyl chloride	0.0281		0.000331	0.00114	1	09/22/2017 02:30	WG1023237
Xylenes, Total	U		0.000795	0.00342	1	09/22/2017 02:30	WG1023237
(S) Toluene-d8	*101*			*80.0-120*		*09/22/2017 02:30*	WG1023237
(S) Toluene-d8	*111*			*80.0-120*		*09/27/2017 14:23*	WG1023237
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/22/2017 02:30*	WG1023237
(S) Dibromofluoromethane	*90.8*			*74.0-131*		*09/27/2017 14:23*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/22/2017 02:30*	WG1023237
(S) 4-Bromofluorobenzene	*94.1*			*64.0-132*		*09/27/2017 14:23*	WG1023237

JC 10/17/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	09/25/2017 09:59	WG1024190

Volatile Organic Compounds (GC/MS) 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	09/22/2017 02:50	WG1023237
Acrylonitrile	U		0.00203	0.0114	1	09/22/2017 02:50	WG1023237
Benzene	U		0.000306	0.00114	1	09/22/2017 02:50	WG1023237
Bromobenzene	U		0.000322	0.00114	1	09/22/2017 02:50	WG1023237
Bromodichloromethane	U		0.000288	0.00114	1	09/22/2017 02:50	WG1023237
Bromochloromethane	U		0.000443	0.00568	1	09/22/2017 02:50	WG1023237
Bromoform	U		0.000481	0.00114	1	09/22/2017 02:50	WG1023237
Bromomethane	U		0.00152	0.00568	1	09/22/2017 02:50	WG1023237
n-Butylbenzene	U		0.000293	0.00114	1	09/22/2017 02:50	WG1023237
sec-Butylbenzene	U		0.000228	0.00114	1	09/22/2017 02:50	WG1023237
tert-Butylbenzene	U		0.000234	0.00114	1	09/22/2017 02:50	WG1023237
Carbon disulfide	U UJ	J0	0.000251	0.00114	1	09/22/2017 02:50	WG1023237
Carbon tetrachloride	U		0.000372	0.00114	1	09/22/2017 02:50	WG1023237
Chlorobenzene	U		0.000241	0.00114	1	09/22/2017 02:50	WG1023237
Chlorodibromomethane	U		0.000423	0.00114	1	09/22/2017 02:50	WG1023237
Chloroethane	0.00550 J	J	0.00107	0.00568	1	09/22/2017 02:50	WG1023237
Chloroform	U		0.000260	0.00568	1	09/22/2017 02:50	WG1023237
Chloromethane	U UJ	J0	0.000426	0.00284	1	09/22/2017 02:50	WG1023237
2-Chlorotoluene	U		0.000342	0.00114	1	09/22/2017 02:50	WG1023237
4-Chlorotoluene	U		0.000272	0.00114	1	09/22/2017 02:50	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00568	1	09/22/2017 02:50	WG1023237
1,2-Dibromoethane	U		0.000389	0.00114	1	09/22/2017 02:50	WG1023237
Dibromomethane	U		0.000434	0.00114	1	09/22/2017 02:50	WG1023237
1,2-Dichlorobenzene	U		0.000346	0.00114	1	09/22/2017 02:50	WG1023237
1,3-Dichlorobenzene	U		0.000271	0.00114	1	09/22/2017 02:50	WG1023237
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/22/2017 02:50	WG1023237
Dichlorodifluoromethane	U UJ	J0	0.000809	0.00568	1	09/22/2017 02:50	WG1023237
1,1-Dichloroethane	U		0.000226	0.00114	1	09/22/2017 02:50	WG1023237
1,2-Dichloroethane	U		0.000301	0.00114	1	09/22/2017 02:50	WG1023237
1,1-Dichloroethene	0.000759 J	J	0.000344	0.00114	1	09/22/2017 02:50	WG1023237
cis-1,2-Dichloroethene	0.123		0.000267	0.00114	1	09/22/2017 02:50	WG1023237
trans-1,2-Dichloroethene	0.00346		0.000300	0.00114	1	09/22/2017 02:50	WG1023237
1,2-Dichloropropane	U		0.000406	0.00114	1	09/22/2017 02:50	WG1023237
1,1-Dichloropropene	U		0.000360	0.00114	1	09/22/2017 02:50	WG1023237
1,3-Dichloropropane	U		0.000235	0.00114	1	09/22/2017 02:50	WG1023237
cis-1,3-Dichloropropene	U		0.000297	0.00114	1	09/22/2017 02:50	WG1023237
trans-1,3-Dichloropropene	U		0.000303	0.00114	1	09/22/2017 02:50	WG1023237
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000883	0.00284	1	09/22/2017 02:50	WG1023237
2,2-Dichloropropane	U		0.000317	0.00114	1	09/22/2017 02:50	WG1023237
Di-isopropyl ether	U		0.000281	0.00114	1	09/22/2017 02:50	WG1023237
Ethylbenzene	U		0.000337	0.00114	1	09/22/2017 02:50	WG1023237
Hexachloro-1,3-butadiene	U		0.000388	0.00114	1	09/22/2017 02:50	WG1023237
2-Hexanone	U		0.00155	0.0114	1	09/22/2017 02:50	WG1023237
n-Hexane	U		0.000329	0.0114	1	09/22/2017 02:50	WG1023237
Iodomethane	U		0.00287	0.0114	1	09/22/2017 02:50	WG1023237
Isopropylbenzene	U		0.000276	0.00114	1	09/22/2017 02:50	WG1023237
p-Isopropyltoluene	U		0.000232	0.00114	1	09/22/2017 02:50	WG1023237
2-Butanone (MEK)	U		0.00531	0.0114	1	09/22/2017 02:50	WG1023237
Methylene Chloride	U		0.00114	0.00568	1	09/22/2017 02:50	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0114	1	09/22/2017 02:50	WG1023237

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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	09/22/2017 02:50	WG1023237
Naphthalene	U		0.00114	0.00568	1	09/22/2017 02:50	WG1023237
n-Propylbenzene	U		0.000234	0.00114	1	09/22/2017 02:50	WG1023237
Styrene	U		0.000266	0.00114	1	09/22/2017 02:50	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	09/22/2017 02:50	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000414	0.00114	1	09/22/2017 02:50	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00114	1	09/22/2017 02:50	WG1023237
Tetrachloroethene	0.000476 J	J	0.000313	0.00114	1	09/22/2017 02:50	WG1023237
Toluene	U		0.000493	0.00568	1	09/22/2017 02:50	WG1023237
1,2,3-Trichlorobenzene	U		0.000347	0.00114	1	09/22/2017 02:50	WG1023237
1,2,4-Trichlorobenzene	U		0.000440	0.00114	1	09/22/2017 02:50	WG1023237
1,1,1-Trichloroethane	U		0.000325	0.00114	1	09/22/2017 02:50	WG1023237
1,1,2-Trichloroethane	U		0.000314	0.00114	1	09/22/2017 02:50	WG1023237
Trichloroethene	0.00946 J	J	0.00910	0.0326	28.75	09/28/2017 13:33	WG1023237
Trichlorofluoromethane	U		0.000434	0.00568	1	09/22/2017 02:50	WG1023237
1,2,3-Trichloropropane	U		0.000841	0.00284	1	09/22/2017 02:50	WG1023237
1,2,4-Trimethylbenzene	U		0.000239	0.00114	1	09/22/2017 02:50	WG1023237
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	09/22/2017 02:50	WG1023237
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	09/22/2017 02:50	WG1023237
Vinyl acetate	U		0.00271	0.0114	1	09/22/2017 02:50	WG1023237
Vinyl chloride	0.0286		0.000330	0.00114	1	09/22/2017 02:50	WG1023237
Xylenes, Total	U		0.000792	0.00341	1	09/22/2017 02:50	WG1023237
(S) Toluene-d8	*99.3*			*80.0-120*		*09/22/2017 02:50*	WG1023237
(S) Toluene-d8	*104*			*80.0-120*		*09/28/2017 13:33*	WG1023237
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*09/28/2017 13:33*	WG1023237
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/22/2017 02:50*	WG1023237
(S) 4-Bromofluorobenzene	*96.8*			*64.0-132*		*09/28/2017 13:33*	WG1023237
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/22/2017 02:50*	WG1023237

Sample Narrative:

L938165-02 WG1023237: No more stir bars left to run

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	09/25/2017 09:59	WG1024190

Volatile Organic Compounds (GC/MS) 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	0.0579	1	09/22/2017 03:10	WG1023237
Acrylonitrile	U		0.00207	0.0116	1	09/22/2017 03:10	WG1023237
Benzene	U		0.000313	0.00116	1	09/22/2017 03:10	WG1023237
Bromobenzene	U		0.000329	0.00116	1	09/22/2017 03:10	WG1023237
Bromodichloromethane	U		0.000294	0.00116	1	09/22/2017 03:10	WG1023237
Bromochloromethane	U		0.000452	0.00579	1	09/22/2017 03:10	WG1023237
Bromoform	U		0.000491	0.00116	1	09/22/2017 03:10	WG1023237
Bromomethane	U		0.00155	0.00579	1	09/22/2017 03:10	WG1023237
n-Butylbenzene	U		0.000299	0.00116	1	09/22/2017 03:10	WG1023237
sec-Butylbenzene	U		0.000233	0.00116	1	09/22/2017 03:10	WG1023237
tert-Butylbenzene	U		0.000239	0.00116	1	09/22/2017 03:10	WG1023237
Carbon disulfide	U	UJ J0	0.000256	0.00116	1	09/22/2017 03:10	WG1023237
Carbon tetrachloride	U		0.000380	0.00116	1	09/22/2017 03:10	WG1023237
Chlorobenzene	U		0.000245	0.00116	1	09/22/2017 03:10	WG1023237
Chlorodibromomethane	U		0.000432	0.00116	1	09/22/2017 03:10	WG1023237
Chloroethane	0.00115	J J	0.00110	0.00579	1	09/22/2017 03:10	WG1023237
Chloroform	U		0.000265	0.00579	1	09/22/2017 03:10	WG1023237
Chloromethane	U	UJ J0	0.000434	0.00289	1	09/22/2017 03:10	WG1023237
2-Chlorotoluene	U		0.000349	0.00116	1	09/22/2017 03:10	WG1023237
4-Chlorotoluene	U		0.000278	0.00116	1	09/22/2017 03:10	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00579	1	09/22/2017 03:10	WG1023237
1,2-Dibromoethane	U		0.000397	0.00116	1	09/22/2017 03:10	WG1023237
Dibromomethane	U		0.000442	0.00116	1	09/22/2017 03:10	WG1023237
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/22/2017 03:10	WG1023237
1,3-Dichlorobenzene	U		0.000277	0.00116	1	09/22/2017 03:10	WG1023237
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/22/2017 03:10	WG1023237
Dichlorodifluoromethane	U	UJ J0	0.000826	0.00579	1	09/22/2017 03:10	WG1023237
1,1-Dichloroethane	U		0.000230	0.00116	1	09/22/2017 03:10	WG1023237
1,2-Dichloroethane	U		0.000307	0.00116	1	09/22/2017 03:10	WG1023237
1,1-Dichloroethene	0.000798	J J	0.000351	0.00116	1	09/22/2017 03:10	WG1023237
cis-1,2-Dichloroethene	0.0781		0.000272	0.00116	1	09/22/2017 03:10	WG1023237
trans-1,2-Dichloroethene	0.00124		0.000306	0.00116	1	09/22/2017 03:10	WG1023237
1,2-Dichloropropane	U		0.000415	0.00116	1	09/22/2017 03:10	WG1023237
1,1-Dichloropropene	U		0.000367	0.00116	1	09/22/2017 03:10	WG1023237
1,3-Dichloropropane	U		0.000240	0.00116	1	09/22/2017 03:10	WG1023237
cis-1,3-Dichloropropene	U		0.000303	0.00116	1	09/22/2017 03:10	WG1023237
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/22/2017 03:10	WG1023237
trans-1,4-Dichloro-2-butene	U	UJ J0 J4	0.000901	0.00289	1	09/22/2017 03:10	WG1023237
2,2-Dichloropropane	U		0.000323	0.00116	1	09/22/2017 03:10	WG1023237
Di-isopropyl ether	U		0.000287	0.00116	1	09/22/2017 03:10	WG1023237
Ethylbenzene	U		0.000344	0.00116	1	09/22/2017 03:10	WG1023237
Hexachloro-1,3-butadiene	U		0.000396	0.00116	1	09/22/2017 03:10	WG1023237
2-Hexanone	U		0.00159	0.0116	1	09/22/2017 03:10	WG1023237
n-Hexane	U		0.000336	0.0116	1	09/22/2017 03:10	WG1023237
Iodomethane	U		0.00293	0.0116	1	09/22/2017 03:10	WG1023237
Isopropylbenzene	U		0.000281	0.00116	1	09/22/2017 03:10	WG1023237
p-Isopropyltoluene	U		0.000236	0.00116	1	09/22/2017 03:10	WG1023237
2-Butanone (MEK)	U		0.00542	0.0116	1	09/22/2017 03:10	WG1023237
Methylene Chloride	U		0.00116	0.00579	1	09/22/2017 03:10	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/22/2017 03:10	WG1023237

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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	09/22/2017 03:10	WG1023237
Naphthalene	U		0.00116	0.00579	1	09/22/2017 03:10	WG1023237
n-Propylbenzene	U		0.000239	0.00116	1	09/22/2017 03:10	WG1023237
Styrene	U		0.000271	0.00116	1	09/22/2017 03:10	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000306	0.00116	1	09/22/2017 03:10	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000423	0.00116	1	09/22/2017 03:10	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000423	0.00116	1	09/22/2017 03:10	WG1023237
Tetrachloroethene	0.0104		0.000320	0.00116	1	09/22/2017 03:10	WG1023237
Toluene	U		0.000503	0.00579	1	09/22/2017 03:10	WG1023237
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/22/2017 03:10	WG1023237
1,2,4-Trichlorobenzene	U		0.000449	0.00116	1	09/22/2017 03:10	WG1023237
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/22/2017 03:10	WG1023237
1,1,2-Trichloroethane	U		0.000321	0.00116	1	09/22/2017 03:10	WG1023237
Trichloroethene	0.0144		0.000323	0.00116	1	09/22/2017 03:10	WG1023237
Trichlorofluoromethane	U		0.000442	0.00579	1	09/22/2017 03:10	WG1023237
1,2,3-Trichloropropane	U		0.000858	0.00289	1	09/22/2017 03:10	WG1023237
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/22/2017 03:10	WG1023237
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/22/2017 03:10	WG1023237
1,3,5-Trimethylbenzene	U		0.000308	0.00116	1	09/22/2017 03:10	WG1023237
Vinyl acetate	U		0.00277	0.0116	1	09/22/2017 03:10	WG1023237
Vinyl chloride	0.0449		0.000337	0.00116	1	09/22/2017 03:10	WG1023237
Xylenes, Total	U		0.000808	0.00347	1	09/22/2017 03:10	WG1023237
(S) Toluene-d8	*101*			*80.0-120*		*09/22/2017 03:10*	WG1023237
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/22/2017 03:10*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/22/2017 03:10*	WG1023237

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/25/2017 09:59	WG1024190

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.615	3.07	56	09/27/2017 14:42	WG1023237
Acrylonitrile	U		0.110	0.615	56	09/27/2017 14:42	WG1023237
Benzene	U		0.0166	0.0615	56	09/27/2017 14:42	WG1023237
Bromobenzene	U		0.0175	0.0615	56	09/27/2017 14:42	WG1023237
Bromodichloromethane	U		0.0156	0.0615	56	09/27/2017 14:42	WG1023237
Bromochloromethane	U		0.0239	0.307	56	09/27/2017 14:42	WG1023237
Bromoform	U		0.0260	0.0615	56	09/27/2017 14:42	WG1023237
Bromomethane	U		0.0823	0.307	56	09/27/2017 14:42	WG1023237
n-Butylbenzene	U		0.0158	0.0615	56	09/27/2017 14:42	WG1023237
sec-Butylbenzene	U		0.0123	0.0615	56	09/27/2017 14:42	WG1023237
tert-Butylbenzene	U		0.0126	0.0615	56	09/27/2017 14:42	WG1023237
Carbon disulfide	U		0.0136	0.0615	56	09/27/2017 14:42	WG1023237
Carbon tetrachloride	U		0.0202	0.0615	56	09/27/2017 14:42	WG1023237
Chlorobenzene	U		0.0131	0.0615	56	09/27/2017 14:42	WG1023237
Chlorodibromomethane	U		0.0229	0.0615	56	09/27/2017 14:42	WG1023237
Chloroethane	U		0.0582	0.307	56	09/27/2017 14:42	WG1023237
Chloroform	U		0.0141	0.307	56	09/27/2017 14:42	WG1023237
Chloromethane	U		0.0231	0.154	56	09/27/2017 14:42	WG1023237
2-Chlorotoluene	U		0.0184	0.0615	56	09/27/2017 14:42	WG1023237
4-Chlorotoluene	U		0.0147	0.0615	56	09/27/2017 14:42	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.0646	0.307	56	09/27/2017 14:42	WG1023237
1,2-Dibromoethane	U		0.0211	0.0615	56	09/27/2017 14:42	WG1023237
Dibromomethane	U		0.0235	0.0615	56	09/27/2017 14:42	WG1023237
1,2-Dichlorobenzene	U		0.0188	0.0615	56	09/27/2017 14:42	WG1023237
1,3-Dichlorobenzene	U		0.0147	0.0615	56	09/27/2017 14:42	WG1023237
1,4-Dichlorobenzene	U		0.0138	0.0615	56	09/27/2017 14:42	WG1023237
Dichlorodifluoromethane	U		0.0438	0.307	56	09/27/2017 14:42	WG1023237
1,1-Dichloroethane	U		0.0122	0.0615	56	09/27/2017 14:42	WG1023237
1,2-Dichloroethane	U		0.0162	0.0615	56	09/27/2017 14:42	WG1023237
1,1-Dichloroethene	U		0.0187	0.0615	56	09/27/2017 14:42	WG1023237
cis-1,2-Dichloroethene	5.25		0.0145	0.0615	56	09/27/2017 14:42	WG1023237
trans-1,2-Dichloroethene	0.0724		0.0162	0.0615	56	09/27/2017 14:42	WG1023237
1,2-Dichloropropane	U		0.0220	0.0615	56	09/27/2017 14:42	WG1023237
1,1-Dichloropropene	U		0.0195	0.0615	56	09/27/2017 14:42	WG1023237
1,3-Dichloropropane	U		0.0127	0.0615	56	09/27/2017 14:42	WG1023237
cis-1,3-Dichloropropene	U		0.0161	0.0615	56	09/27/2017 14:42	WG1023237
trans-1,3-Dichloropropene	U		0.0165	0.0615	56	09/27/2017 14:42	WG1023237
trans-1,4-Dichloro-2-butene	U	UJ J4	0.0479	0.154	56	09/27/2017 14:42	WG1023237
2,2-Dichloropropane	U		0.0171	0.0615	56	09/27/2017 14:42	WG1023237
Di-isopropyl ether	U		0.0153	0.0615	56	09/27/2017 14:42	WG1023237
Ethylbenzene	U		0.0182	0.0615	56	09/27/2017 14:42	WG1023237
Hexachloro-1,3-butadiene	U		0.0211	0.0615	56	09/27/2017 14:42	WG1023237
2-Hexanone	U		0.0842	0.615	56	09/27/2017 14:42	WG1023237
n-Hexane	U		0.0178	0.615	56	09/27/2017 14:42	WG1023237
Iodomethane	U		0.156	0.615	56	09/27/2017 14:42	WG1023237
Isopropylbenzene	U		0.0149	0.0615	56	09/27/2017 14:42	WG1023237
p-Isopropyltoluene	U		0.0125	0.0615	56	09/27/2017 14:42	WG1023237
2-Butanone (MEK)	U		0.288	0.615	56	09/27/2017 14:42	WG1023237
Methylene Chloride	U		0.0615	0.307	56	09/27/2017 14:42	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.115	0.615	56	09/27/2017 14:42	WG1023237

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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		0.0131	0.0615	56	09/27/2017 14:42	WG1023237
Naphthalene	U		0.0615	0.307	56	09/27/2017 14:42	WG1023237
n-Propylbenzene	U		0.0126	0.0615	56	09/27/2017 14:42	WG1023237
Styrene	U		0.0144	0.0615	56	09/27/2017 14:42	WG1023237
1,1,1,2-Tetrachloroethane	U		0.0162	0.0615	56	09/27/2017 14:42	WG1023237
1,1,2,2-Tetrachloroethane	U		0.0224	0.0615	56	09/27/2017 14:42	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.0224	0.0615	56	09/27/2017 14:42	WG1023237
Tetrachloroethene	0.421		0.0169	0.0615	56	09/27/2017 14:42	WG1023237
Toluene	U		0.0267	0.307	56	09/27/2017 14:42	WG1023237
1,2,3-Trichlorobenzene	U		0.0188	0.0615	56	09/27/2017 14:42	WG1023237
1,2,4-Trichlorobenzene	U		0.0238	0.0615	56	09/27/2017 14:42	WG1023237
1,1,1-Trichloroethane	U		0.0176	0.0615	56	09/27/2017 14:42	WG1023237
1,1,2-Trichloroethane	U		0.0170	0.0615	56	09/27/2017 14:42	WG1023237
Trichloroethene	0.255		0.0171	0.0615	56	09/27/2017 14:42	WG1023237
Trichlorofluoromethane	U		0.0235	0.307	56	09/27/2017 14:42	WG1023237
1,2,3-Trichloropropane	U		0.0456	0.154	56	09/27/2017 14:42	WG1023237
1,2,4-Trimethylbenzene	U		0.0130	0.0615	56	09/27/2017 14:42	WG1023237
1,2,3-Trimethylbenzene	U		0.0177	0.0615	56	09/27/2017 14:42	WG1023237
1,3,5-Trimethylbenzene	U		0.0164	0.0615	56	09/27/2017 14:42	WG1023237
Vinyl acetate	U		0.147	0.615	56	09/27/2017 14:42	WG1023237
Vinyl chloride	0.271		0.0179	0.0615	56	09/27/2017 14:42	WG1023237
Xylenes, Total	U		0.0429	0.184	56	09/27/2017 14:42	WG1023237
(S) Toluene-d8	*110*			*80.0-120*		*09/27/2017 14:42*	WG1023237
(S) Dibromofluoromethane	*94.7*			*74.0-131*		*09/27/2017 14:42*	WG1023237
(S) 4-Bromofluorobenzene	*97.5*			*64.0-132*		*09/27/2017 14:42*	WG1023237

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	09/25/2017 09:59	WG1024190

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0173 J	J J0	0.0107	0.0533	1	09/22/2017 03:49	WG1023237
Acrylonitrile	U		0.00191	0.0107	1	09/22/2017 03:49	WG1023237
Benzene	U		0.000288	0.00107	1	09/22/2017 03:49	WG1023237
Bromobenzene	U		0.000303	0.00107	1	09/22/2017 03:49	WG1023237
Bromodichloromethane	U		0.000271	0.00107	1	09/22/2017 03:49	WG1023237
Bromochloromethane	U		0.000416	0.00533	1	09/22/2017 03:49	WG1023237
Bromoform	U		0.000452	0.00107	1	09/22/2017 03:49	WG1023237
Bromomethane	U		0.00143	0.00533	1	09/22/2017 03:49	WG1023237
n-Butylbenzene	U		0.000275	0.00107	1	09/22/2017 03:49	WG1023237
sec-Butylbenzene	U		0.000214	0.00107	1	09/22/2017 03:49	WG1023237
tert-Butylbenzene	U		0.000220	0.00107	1	09/22/2017 03:49	WG1023237
Carbon disulfide	0.00186 J	J0	0.000236	0.00107	1	09/22/2017 03:49	WG1023237
Carbon tetrachloride	U		0.000350	0.00107	1	09/22/2017 03:49	WG1023237
Chlorobenzene	U		0.000226	0.00107	1	09/22/2017 03:49	WG1023237
Chlorodibromomethane	U		0.000398	0.00107	1	09/22/2017 03:49	WG1023237
Chloroethane	U		0.00101	0.00533	1	09/22/2017 03:49	WG1023237
Chloroform	U		0.000244	0.00533	1	09/22/2017 03:49	WG1023237
Chloromethane	U UJ	J0	0.000400	0.00267	1	09/22/2017 03:49	WG1023237
2-Chlorotoluene	U		0.000321	0.00107	1	09/22/2017 03:49	WG1023237
4-Chlorotoluene	U		0.000256	0.00107	1	09/22/2017 03:49	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00112	0.00533	1	09/22/2017 03:49	WG1023237
1,2-Dibromoethane	U		0.000366	0.00107	1	09/22/2017 03:49	WG1023237
Dibromomethane	U		0.000407	0.00107	1	09/22/2017 03:49	WG1023237
1,2-Dichlorobenzene	U		0.000325	0.00107	1	09/22/2017 03:49	WG1023237
1,3-Dichlorobenzene	U		0.000255	0.00107	1	09/22/2017 03:49	WG1023237
1,4-Dichlorobenzene	U		0.000241	0.00107	1	09/22/2017 03:49	WG1023237
Dichlorodifluoromethane	U UJ	J0	0.000760	0.00533	1	09/22/2017 03:49	WG1023237
1,1-Dichloroethane	U		0.000212	0.00107	1	09/22/2017 03:49	WG1023237
1,2-Dichloroethane	U		0.000283	0.00107	1	09/22/2017 03:49	WG1023237
1,1-Dichloroethene	0.00704		0.000323	0.00107	1	09/22/2017 03:49	WG1023237
cis-1,2-Dichloroethene	3.19 J		0.0501	0.213	200	09/27/2017 15:02	WG1023237
trans-1,2-Dichloroethene	0.0173		0.000281	0.00107	1	09/22/2017 03:49	WG1023237
1,2-Dichloropropane	U		0.000382	0.00107	1	09/22/2017 03:49	WG1023237
1,1-Dichloropropene	U		0.000338	0.00107	1	09/22/2017 03:49	WG1023237
1,3-Dichloropropane	U		0.000221	0.00107	1	09/22/2017 03:49	WG1023237
cis-1,3-Dichloropropene	U		0.000279	0.00107	1	09/22/2017 03:49	WG1023237
trans-1,3-Dichloropropene	U		0.000285	0.00107	1	09/22/2017 03:49	WG1023237
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000830	0.00267	1	09/22/2017 03:49	WG1023237
2,2-Dichloropropane	U		0.000297	0.00107	1	09/22/2017 03:49	WG1023237
Di-isopropyl ether	U		0.000264	0.00107	1	09/22/2017 03:49	WG1023237
Ethylbenzene	U		0.000317	0.00107	1	09/22/2017 03:49	WG1023237
Hexachloro-1,3-butadiene	U		0.000365	0.00107	1	09/22/2017 03:49	WG1023237
2-Hexanone	U		0.00146	0.0107	1	09/22/2017 03:49	WG1023237
n-Hexane	U		0.000309	0.0107	1	09/22/2017 03:49	WG1023237
Iodomethane	U		0.00270	0.0107	1	09/22/2017 03:49	WG1023237
Isopropylbenzene	U		0.000259	0.00107	1	09/22/2017 03:49	WG1023237
p-Isopropyltoluene	U		0.000218	0.00107	1	09/22/2017 03:49	WG1023237
2-Butanone (MEK)	U		0.00499	0.0107	1	09/22/2017 03:49	WG1023237
Methylene Chloride	U		0.00107	0.00533	1	09/22/2017 03:49	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0107	1	09/22/2017 03:49	WG1023237

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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		0.000226	0.00107	1	09/22/2017 03:49	WG1023237
Naphthalene	U		0.00107	0.00533	1	09/22/2017 03:49	WG1023237
n-Propylbenzene	U		0.000220	0.00107	1	09/22/2017 03:49	WG1023237
Styrene	U		0.000250	0.00107	1	09/22/2017 03:49	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000281	0.00107	1	09/22/2017 03:49	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000389	0.00107	1	09/22/2017 03:49	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000389	0.00107	1	09/22/2017 03:49	WG1023237
Tetrachloroethene	2.01	J	0.0589	0.213	200	09/27/2017 15:02	WG1023237
Toluene	U		0.000463	0.00533	1	09/22/2017 03:49	WG1023237
1,2,3-Trichlorobenzene	U		0.000326	0.00107	1	09/22/2017 03:49	WG1023237
1,2,4-Trichlorobenzene	U		0.000414	0.00107	1	09/22/2017 03:49	WG1023237
1,1,1-Trichloroethane	U		0.000305	0.00107	1	09/22/2017 03:49	WG1023237
1,1,2-Trichloroethane	U		0.000295	0.00107	1	09/22/2017 03:49	WG1023237
Trichloroethene	0.953	J	0.0595	0.213	200	09/27/2017 15:02	WG1023237
Trichlorofluoromethane	U		0.000407	0.00533	1	09/22/2017 03:49	WG1023237
1,2,3-Trichloropropane	U		0.000790	0.00267	1	09/22/2017 03:49	WG1023237
1,2,4-Trimethylbenzene	U		0.000225	0.00107	1	09/22/2017 03:49	WG1023237
1,2,3-Trimethylbenzene	U		0.000306	0.00107	1	09/22/2017 03:49	WG1023237
1,3,5-Trimethylbenzene	U		0.000284	0.00107	1	09/22/2017 03:49	WG1023237
Vinyl acetate	U		0.00255	0.0107	1	09/22/2017 03:49	WG1023237
Vinyl chloride	0.0144	J	0.000310	0.00107	1	09/22/2017 03:49	WG1023237
Xylenes, Total	U		0.000744	0.00320	1	09/22/2017 03:49	WG1023237
(S) Toluene-d8	*102*			*80.0-120*		*09/22/2017 03:49*	WG1023237
(S) Toluene-d8	*108*			*80.0-120*		*09/27/2017 15:02*	WG1023237
(S) Dibromofluoromethane	*97.9*			*74.0-131*		*09/27/2017 15:02*	WG1023237
(S) Dibromofluoromethane	*105*			*74.0-131*		*09/22/2017 03:49*	WG1023237
(S) 4-Bromofluorobenzene	*106*			*64.0-132*		*09/22/2017 03:49*	WG1023237
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*09/27/2017 15:02*	WG1023237

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.9		1	09/23/2017 09:21	WG1023495

Volatile Organic Compounds (GC/MS) 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	09/22/2017 04:09	WG1023237
Acrylonitrile	U		0.00204	0.0114	1	09/22/2017 04:09	WG1023237
Benzene	U		0.000307	0.00114	1	09/22/2017 04:09	WG1023237
Bromobenzene	U		0.000323	0.00114	1	09/22/2017 04:09	WG1023237
Bromodichloromethane	U		0.000289	0.00114	1	09/22/2017 04:09	WG1023237
Bromochloromethane	U		0.000443	0.00569	1	09/22/2017 04:09	WG1023237
Bromoform	U		0.000482	0.00114	1	09/22/2017 04:09	WG1023237
Bromomethane	U		0.00152	0.00569	1	09/22/2017 04:09	WG1023237
n-Butylbenzene	U		0.000293	0.00114	1	09/22/2017 04:09	WG1023237
sec-Butylbenzene	U		0.000229	0.00114	1	09/22/2017 04:09	WG1023237
tert-Butylbenzene	U		0.000234	0.00114	1	09/22/2017 04:09	WG1023237
Carbon disulfide	U	UJ J0	0.000251	0.00114	1	09/22/2017 04:09	WG1023237
Carbon tetrachloride	U		0.000373	0.00114	1	09/22/2017 04:09	WG1023237
Chlorobenzene	U		0.000241	0.00114	1	09/22/2017 04:09	WG1023237
Chlorodibromomethane	U		0.000424	0.00114	1	09/22/2017 04:09	WG1023237
Chloroethane	U		0.00108	0.00569	1	09/22/2017 04:09	WG1023237
Chloroform	U		0.000260	0.00569	1	09/22/2017 04:09	WG1023237
Chloromethane	U	UJ J0	0.000426	0.00284	1	09/22/2017 04:09	WG1023237
2-Chlorotoluene	U		0.000342	0.00114	1	09/22/2017 04:09	WG1023237
4-Chlorotoluene	U		0.000273	0.00114	1	09/22/2017 04:09	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00569	1	09/22/2017 04:09	WG1023237
1,2-Dibromoethane	U		0.000390	0.00114	1	09/22/2017 04:09	WG1023237
Dibromomethane	U		0.000434	0.00114	1	09/22/2017 04:09	WG1023237
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/22/2017 04:09	WG1023237
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/22/2017 04:09	WG1023237
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/22/2017 04:09	WG1023237
Dichlorodifluoromethane	U	UJ J0	0.000811	0.00569	1	09/22/2017 04:09	WG1023237
1,1-Dichloroethane	U		0.000226	0.00114	1	09/22/2017 04:09	WG1023237
1,2-Dichloroethane	U		0.000301	0.00114	1	09/22/2017 04:09	WG1023237
1,1-Dichloroethene	0.000875	J J	0.000345	0.00114	1	09/22/2017 04:09	WG1023237
cis-1,2-Dichloroethene	0.576		0.00669	0.0284	25	09/27/2017 15:22	WG1023237
trans-1,2-Dichloroethene	0.00163		0.000300	0.00114	1	09/22/2017 04:09	WG1023237
1,2-Dichloropropane	U		0.000407	0.00114	1	09/22/2017 04:09	WG1023237
1,1-Dichloropropene	U		0.000360	0.00114	1	09/22/2017 04:09	WG1023237
1,3-Dichloropropane	U		0.000235	0.00114	1	09/22/2017 04:09	WG1023237
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/22/2017 04:09	WG1023237
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/22/2017 04:09	WG1023237
trans-1,4-Dichloro-2-butene	U	UJ J0 J4	0.000885	0.00284	1	09/22/2017 04:09	WG1023237
2,2-Dichloropropane	U		0.000317	0.00114	1	09/22/2017 04:09	WG1023237
Di-isopropyl ether	U		0.000282	0.00114	1	09/22/2017 04:09	WG1023237
Ethylbenzene	U		0.000338	0.00114	1	09/22/2017 04:09	WG1023237
Hexachloro-1,3-butadiene	U		0.000389	0.00114	1	09/22/2017 04:09	WG1023237
2-Hexanone	U		0.00156	0.0114	1	09/22/2017 04:09	WG1023237
n-Hexane	U		0.000330	0.0114	1	09/22/2017 04:09	WG1023237
Iodomethane	U		0.00288	0.0114	1	09/22/2017 04:09	WG1023237
Isopropylbenzene	U		0.000276	0.00114	1	09/22/2017 04:09	WG1023237
p-Isopropyltoluene	U		0.000232	0.00114	1	09/22/2017 04:09	WG1023237
2-Butanone (MEK)	U		0.00532	0.0114	1	09/22/2017 04:09	WG1023237
Methylene Chloride	U		0.00114	0.00569	1	09/22/2017 04:09	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/22/2017 04:09	WG1023237

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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	09/22/2017 04:09	WG1023237
Naphthalene	U		0.00114	0.00569	1	09/22/2017 04:09	WG1023237
n-Propylbenzene	U		0.000234	0.00114	1	09/22/2017 04:09	WG1023237
Styrene	U		0.000266	0.00114	1	09/22/2017 04:09	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000300	0.00114	1	09/22/2017 04:09	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000415	0.00114	1	09/22/2017 04:09	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000415	0.00114	1	09/22/2017 04:09	WG1023237
Tetrachloroethene	0.0351		0.000314	0.00114	1	09/22/2017 04:09	WG1023237
Toluene	U		0.000493	0.00569	1	09/22/2017 04:09	WG1023237
1,2,3-Trichlorobenzene	U		0.000348	0.00114	1	09/22/2017 04:09	WG1023237
1,2,4-Trichlorobenzene	U		0.000441	0.00114	1	09/22/2017 04:09	WG1023237
1,1,1-Trichloroethane	U		0.000325	0.00114	1	09/22/2017 04:09	WG1023237
1,1,2-Trichloroethane	U		0.000315	0.00114	1	09/22/2017 04:09	WG1023237
Trichloroethene	0.0526		0.000317	0.00114	1	09/22/2017 04:09	WG1023237
Trichlorofluoromethane	U		0.000434	0.00569	1	09/22/2017 04:09	WG1023237
1,2,3-Trichloropropane	U		0.000843	0.00284	1	09/22/2017 04:09	WG1023237
1,2,4-Trimethylbenzene	U		0.000240	0.00114	1	09/22/2017 04:09	WG1023237
1,2,3-Trimethylbenzene	U		0.000326	0.00114	1	09/22/2017 04:09	WG1023237
1,3,5-Trimethylbenzene	U		0.000302	0.00114	1	09/22/2017 04:09	WG1023237
Vinyl acetate	U		0.00272	0.0114	1	09/22/2017 04:09	WG1023237
Vinyl chloride	0.0771		0.000331	0.00114	1	09/22/2017 04:09	WG1023237
Xylenes, Total	U		0.000794	0.00341	1	09/22/2017 04:09	WG1023237
(S) Toluene-d8	*98.6*			*80.0-120*		*09/22/2017 04:09*	WG1023237
(S) Toluene-d8	*112*			*80.0-120*		*09/27/2017 15:22*	WG1023237
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/22/2017 04:09*	WG1023237
(S) Dibromofluoromethane	*96.2*			*74.0-131*		*09/27/2017 15:22*	WG1023237
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/27/2017 15:22*	WG1023237
(S) 4-Bromofluorobenzene	*98.9*			*64.0-132*		*09/22/2017 04:09*	WG1023237

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	09/23/2017 09:21	WG1023495

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0387 J+	J J0 V3	0.0116	0.0581	1	09/22/2017 04:28	WG1023237
Acrylonitrile	U		0.00208	0.0116	1	09/22/2017 04:28	WG1023237
Benzene	U		0.000314	0.00116	1	09/22/2017 04:28	WG1023237
Bromobenzene	U		0.000330	0.00116	1	09/22/2017 04:28	WG1023237
Bromodichloromethane	U		0.000295	0.00116	1	09/22/2017 04:28	WG1023237
Bromochloromethane	U		0.000453	0.00581	1	09/22/2017 04:28	WG1023237
Bromoform	U		0.000493	0.00116	1	09/22/2017 04:28	WG1023237
Bromomethane	U		0.00156	0.00581	1	09/22/2017 04:28	WG1023237
n-Butylbenzene	U		0.000300	0.00116	1	09/22/2017 04:28	WG1023237
sec-Butylbenzene	U		0.000234	0.00116	1	09/22/2017 04:28	WG1023237
tert-Butylbenzene	U		0.000239	0.00116	1	09/22/2017 04:28	WG1023237
Carbon disulfide	0.000360 J+	J J0 V3	0.000257	0.00116	1	09/22/2017 04:28	WG1023237
Carbon tetrachloride	U		0.000381	0.00116	1	09/22/2017 04:28	WG1023237
Chlorobenzene	U		0.000246	0.00116	1	09/22/2017 04:28	WG1023237
Chlorodibromomethane	U		0.000434	0.00116	1	09/22/2017 04:28	WG1023237
Chloroethane	U		0.00110	0.00581	1	09/22/2017 04:28	WG1023237
Chloroform	0.000671 J+	J V3	0.000266	0.00581	1	09/22/2017 04:28	WG1023237
Chloromethane	U UJ	J0	0.000436	0.00291	1	09/22/2017 04:28	WG1023237
2-Chlorotoluene	U		0.000350	0.00116	1	09/22/2017 04:28	WG1023237
4-Chlorotoluene	U		0.000279	0.00116	1	09/22/2017 04:28	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	09/22/2017 04:28	WG1023237
1,2-Dibromoethane	U		0.000399	0.00116	1	09/22/2017 04:28	WG1023237
Dibromomethane	U		0.000444	0.00116	1	09/22/2017 04:28	WG1023237
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/22/2017 04:28	WG1023237
1,3-Dichlorobenzene	U		0.000278	0.00116	1	09/22/2017 04:28	WG1023237
1,4-Dichlorobenzene	U		0.000263	0.00116	1	09/22/2017 04:28	WG1023237
Dichlorodifluoromethane	U UJ	J0	0.000829	0.00581	1	09/22/2017 04:28	WG1023237
1,1-Dichloroethane	U		0.000231	0.00116	1	09/22/2017 04:28	WG1023237
1,2-Dichloroethane	U		0.000308	0.00116	1	09/22/2017 04:28	WG1023237
1,1-Dichloroethene	0.00352 J+	V3	0.000352	0.00116	1	09/22/2017 04:28	WG1023237
cis-1,2-Dichloroethene	2.13		0.273	1.16	1000	09/27/2017 15:42	WG1023237
trans-1,2-Dichloroethene	0.00550 J+	V3	0.000307	0.00116	1	09/22/2017 04:28	WG1023237
1,2-Dichloropropane	U		0.000416	0.00116	1	09/22/2017 04:28	WG1023237
1,1-Dichloropropene	U		0.000368	0.00116	1	09/22/2017 04:28	WG1023237
1,3-Dichloropropane	U		0.000241	0.00116	1	09/22/2017 04:28	WG1023237
cis-1,3-Dichloropropene	U		0.000305	0.00116	1	09/22/2017 04:28	WG1023237
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/22/2017 04:28	WG1023237
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000904	0.00291	1	09/22/2017 04:28	WG1023237
2,2-Dichloropropane	U		0.000324	0.00116	1	09/22/2017 04:28	WG1023237
Di-isopropyl ether	U		0.000288	0.00116	1	09/22/2017 04:28	WG1023237
Ethylbenzene	U		0.000345	0.00116	1	09/22/2017 04:28	WG1023237
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/22/2017 04:28	WG1023237
2-Hexanone	U		0.00159	0.0116	1	09/22/2017 04:28	WG1023237
n-Hexane	U		0.000337	0.0116	1	09/22/2017 04:28	WG1023237
Iodomethane	U		0.00294	0.0116	1	09/22/2017 04:28	WG1023237
Isopropylbenzene	U		0.000282	0.00116	1	09/22/2017 04:28	WG1023237
p-Isopropyltoluene	U		0.000237	0.00116	1	09/22/2017 04:28	WG1023237
2-Butanone (MEK)	0.00592 J+	J V3	0.00544	0.0116	1	09/22/2017 04:28	WG1023237
Methylene Chloride	U		0.00116	0.00581	1	09/22/2017 04:28	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00219	0.0116	1	09/22/2017 04:28	WG1023237

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

Analyte	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	09/22/2017 04:28	WG1023237
Naphthalene	U		0.00116	0.00581	1	09/22/2017 04:28	WG1023237
n-Propylbenzene	U		0.000239	0.00116	1	09/22/2017 04:28	WG1023237
Styrene	U		0.000272	0.00116	1	09/22/2017 04:28	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	09/22/2017 04:28	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/22/2017 04:28	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/22/2017 04:28	WG1023237
Tetrachloroethene	14.0		0.321	1.16	1000	09/27/2017 15:42	WG1023237
Toluene	0.000672 J+	J	0.000504	0.00581	1	09/22/2017 04:28	WG1023237
1,2,3-Trichlorobenzene	U		0.000356	0.00116	1	09/22/2017 04:28	WG1023237
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	09/22/2017 04:28	WG1023237
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/22/2017 04:28	WG1023237
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/22/2017 04:28	WG1023237
Trichloroethene	1.74		0.324	1.16	1000	09/27/2017 15:42	WG1023237
Trichlorofluoromethane	U		0.000444	0.00581	1	09/22/2017 04:28	WG1023237
1,2,3-Trichloropropane	U		0.000861	0.00291	1	09/22/2017 04:28	WG1023237
1,2,4-Trimethylbenzene	0.000401 J+	J V3	0.000245	0.00116	1	09/22/2017 04:28	WG1023237
1,2,3-Trimethylbenzene	U		0.000334	0.00116	1	09/22/2017 04:28	WG1023237
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/22/2017 04:28	WG1023237
Vinyl acetate	U		0.00278	0.0116	1	09/22/2017 04:28	WG1023237
Vinyl chloride	0.0490 J+	V3	0.000338	0.00116	1	09/22/2017 04:28	WG1023237
Xylenes, Total	U		0.000811	0.00349	1	09/22/2017 04:28	WG1023237
(S) Toluene-d8	*91.0*			*80.0-120*		*09/22/2017 04:28*	WG1023237
(S) Toluene-d8	*111*			*80.0-120*		*09/27/2017 15:42*	WG1023237
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/27/2017 15:42*	WG1023237
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/22/2017 04:28*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/22/2017 04:28*	WG1023237
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*09/27/2017 15:42*	WG1023237

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	09/23/2017 09:21	WG1023495

Volatile Organic Compounds (GC/MS) 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	0.0570	1	09/22/2017 04:48	WG1023237
Acrylonitrile	U		0.00204	0.0114	1	09/22/2017 04:48	WG1023237
Benzene	U		0.000308	0.00114	1	09/22/2017 04:48	WG1023237
Bromobenzene	U		0.000324	0.00114	1	09/22/2017 04:48	WG1023237
Bromodichloromethane	U		0.000290	0.00114	1	09/22/2017 04:48	WG1023237
Bromochloromethane	U		0.000445	0.00570	1	09/22/2017 04:48	WG1023237
Bromoform	U		0.000484	0.00114	1	09/22/2017 04:48	WG1023237
Bromomethane	U		0.00153	0.00570	1	09/22/2017 04:48	WG1023237
n-Butylbenzene	U		0.000294	0.00114	1	09/22/2017 04:48	WG1023237
sec-Butylbenzene	U		0.000229	0.00114	1	09/22/2017 04:48	WG1023237
tert-Butylbenzene	U		0.000235	0.00114	1	09/22/2017 04:48	WG1023237
Carbon disulfide	U	UJ J0	0.000252	0.00114	1	09/22/2017 04:48	WG1023237
Carbon tetrachloride	U		0.000374	0.00114	1	09/22/2017 04:48	WG1023237
Chlorobenzene	U		0.000242	0.00114	1	09/22/2017 04:48	WG1023237
Chlorodibromomethane	U		0.000426	0.00114	1	09/22/2017 04:48	WG1023237
Chloroethane	0.00202	J J	0.00108	0.00570	1	09/22/2017 04:48	WG1023237
Chloroform	U		0.000261	0.00570	1	09/22/2017 04:48	WG1023237
Chloromethane	U	UJ J0	0.000428	0.00285	1	09/22/2017 04:48	WG1023237
2-Chlorotoluene	U		0.000343	0.00114	1	09/22/2017 04:48	WG1023237
4-Chlorotoluene	U		0.000274	0.00114	1	09/22/2017 04:48	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00570	1	09/22/2017 04:48	WG1023237
1,2-Dibromoethane	U		0.000391	0.00114	1	09/22/2017 04:48	WG1023237
Dibromomethane	U		0.000436	0.00114	1	09/22/2017 04:48	WG1023237
1,2-Dichlorobenzene	U		0.000348	0.00114	1	09/22/2017 04:48	WG1023237
1,3-Dichlorobenzene	U		0.000273	0.00114	1	09/22/2017 04:48	WG1023237
1,4-Dichlorobenzene	U		0.000258	0.00114	1	09/22/2017 04:48	WG1023237
Dichlorodifluoromethane	U	UJ J0	0.000813	0.00570	1	09/22/2017 04:48	WG1023237
1,1-Dichloroethane	U		0.000227	0.00114	1	09/22/2017 04:48	WG1023237
1,2-Dichloroethane	U		0.000302	0.00114	1	09/22/2017 04:48	WG1023237
1,1-Dichloroethene	0.00451		0.000346	0.00114	1	09/22/2017 04:48	WG1023237
cis-1,2-Dichloroethene	1.55		0.268	1.14	1000	09/27/2017 16:01	WG1023237
trans-1,2-Dichloroethene	0.00784		0.000301	0.00114	1	09/22/2017 04:48	WG1023237
1,2-Dichloropropane	U		0.000408	0.00114	1	09/22/2017 04:48	WG1023237
1,1-Dichloropropene	U		0.000362	0.00114	1	09/22/2017 04:48	WG1023237
1,3-Dichloropropane	U		0.000236	0.00114	1	09/22/2017 04:48	WG1023237
cis-1,3-Dichloropropene	U		0.000299	0.00114	1	09/22/2017 04:48	WG1023237
trans-1,3-Dichloropropene	U		0.000305	0.00114	1	09/22/2017 04:48	WG1023237
trans-1,4-Dichloro-2-butene	U	UJ J0 J4	0.000888	0.00285	1	09/22/2017 04:48	WG1023237
2,2-Dichloropropane	U		0.000318	0.00114	1	09/22/2017 04:48	WG1023237
Di-isopropyl ether	U		0.000283	0.00114	1	09/22/2017 04:48	WG1023237
Ethylbenzene	U		0.000339	0.00114	1	09/22/2017 04:48	WG1023237
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/22/2017 04:48	WG1023237
2-Hexanone	U		0.00156	0.0114	1	09/22/2017 04:48	WG1023237
n-Hexane	U		0.000331	0.0114	1	09/22/2017 04:48	WG1023237
Iodomethane	U		0.00289	0.0114	1	09/22/2017 04:48	WG1023237
Isopropylbenzene	U		0.000277	0.00114	1	09/22/2017 04:48	WG1023237
p-Isopropyltoluene	U		0.000233	0.00114	1	09/22/2017 04:48	WG1023237
2-Butanone (MEK)	U		0.00534	0.0114	1	09/22/2017 04:48	WG1023237
Methylene Chloride	U		0.00114	0.00570	1	09/22/2017 04:48	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/22/2017 04:48	WG1023237

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

Analyte	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	09/22/2017 04:48	WG1023237
Naphthalene	U		0.00114	0.00570	1	09/22/2017 04:48	WG1023237
n-Propylbenzene	U		0.000235	0.00114	1	09/22/2017 04:48	WG1023237
Styrene	U		0.000267	0.00114	1	09/22/2017 04:48	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/22/2017 04:48	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/22/2017 04:48	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/22/2017 04:48	WG1023237
Tetrachloroethene	6.52		0.315	1.14	1000	09/27/2017 16:01	WG1023237
Toluene	U		0.000495	0.00570	1	09/22/2017 04:48	WG1023237
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/22/2017 04:48	WG1023237
1,2,4-Trichlorobenzene	U		0.000443	0.00114	1	09/22/2017 04:48	WG1023237
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/22/2017 04:48	WG1023237
1,1,2-Trichloroethane	U		0.000316	0.00114	1	09/22/2017 04:48	WG1023237
Trichloroethene	0.692 J	J	0.318	1.14	1000	09/27/2017 16:01	WG1023237
Trichlorofluoromethane	U		0.000436	0.00570	1	09/22/2017 04:48	WG1023237
1,2,3-Trichloropropane	U		0.000845	0.00285	1	09/22/2017 04:48	WG1023237
1,2,4-Trimethylbenzene	0.000410 J	J	0.000241	0.00114	1	09/22/2017 04:48	WG1023237
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/22/2017 04:48	WG1023237
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/22/2017 04:48	WG1023237
Vinyl acetate	U		0.00273	0.0114	1	09/22/2017 04:48	WG1023237
Vinyl chloride	0.143		0.000332	0.00114	1	09/22/2017 04:48	WG1023237
Xylenes, Total	U		0.000796	0.00342	1	09/22/2017 04:48	WG1023237
(S) Toluene-d8	*95.7*			*80.0-120*		*09/22/2017 04:48*	WG1023237
(S) Toluene-d8	*107*			*80.0-120*		*09/27/2017 16:01*	WG1023237
(S) Dibromofluoromethane	*98.4*			*74.0-131*		*09/27/2017 16:01*	WG1023237
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/22/2017 04:48*	WG1023237
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/22/2017 04:48*	WG1023237
(S) 4-Bromofluorobenzene	*98.8*			*64.0-132*		*09/27/2017 16:01*	WG1023237

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	09/23/2017 09:21	WG1023495

Volatile Organic Compounds (GC/MS) 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	09/22/2017 05:07	WG1023237
Acrylonitrile	U		0.00199	0.0111	1	09/22/2017 05:07	WG1023237
Benzene	U		0.000300	0.00111	1	09/22/2017 05:07	WG1023237
Bromobenzene	U		0.000315	0.00111	1	09/22/2017 05:07	WG1023237
Bromodichloromethane	U		0.000282	0.00111	1	09/22/2017 05:07	WG1023237
Bromochloromethane	U		0.000433	0.00555	1	09/22/2017 05:07	WG1023237
Bromoform	U		0.000471	0.00111	1	09/22/2017 05:07	WG1023237
Bromomethane	U		0.00149	0.00555	1	09/22/2017 05:07	WG1023237
n-Butylbenzene	U		0.000286	0.00111	1	09/22/2017 05:07	WG1023237
sec-Butylbenzene	U		0.000223	0.00111	1	09/22/2017 05:07	WG1023237
tert-Butylbenzene	U		0.000229	0.00111	1	09/22/2017 05:07	WG1023237
Carbon disulfide	0.00104 J	J J0	0.000245	0.00111	1	09/22/2017 05:07	WG1023237
Carbon tetrachloride	U		0.000364	0.00111	1	09/22/2017 05:07	WG1023237
Chlorobenzene	U		0.000235	0.00111	1	09/22/2017 05:07	WG1023237
Chlorodibromomethane	U		0.000414	0.00111	1	09/22/2017 05:07	WG1023237
Chloroethane	U		0.00105	0.00555	1	09/22/2017 05:07	WG1023237
Chloroform	U		0.000254	0.00555	1	09/22/2017 05:07	WG1023237
Chloromethane	U UJ	J0	0.000416	0.00278	1	09/22/2017 05:07	WG1023237
2-Chlorotoluene	U		0.000334	0.00111	1	09/22/2017 05:07	WG1023237
4-Chlorotoluene	U		0.000266	0.00111	1	09/22/2017 05:07	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00117	0.00555	1	09/22/2017 05:07	WG1023237
1,2-Dibromoethane	U		0.000381	0.00111	1	09/22/2017 05:07	WG1023237
Dibromomethane	U		0.000424	0.00111	1	09/22/2017 05:07	WG1023237
1,2-Dichlorobenzene	U		0.000339	0.00111	1	09/22/2017 05:07	WG1023237
1,3-Dichlorobenzene	U		0.000265	0.00111	1	09/22/2017 05:07	WG1023237
1,4-Dichlorobenzene	U		0.000251	0.00111	1	09/22/2017 05:07	WG1023237
Dichlorodifluoromethane	U UJ	J0	0.000792	0.00555	1	09/22/2017 05:07	WG1023237
1,1-Dichloroethane	U		0.000221	0.00111	1	09/22/2017 05:07	WG1023237
1,2-Dichloroethane	U		0.000294	0.00111	1	09/22/2017 05:07	WG1023237
1,1-Dichloroethene	0.00259		0.000336	0.00111	1	09/22/2017 05:07	WG1023237
cis-1,2-Dichloroethene	2.73		0.487	2.08	1870	09/27/2017 16:21	WG1023237
trans-1,2-Dichloroethene	0.00562		0.000293	0.00111	1	09/22/2017 05:07	WG1023237
1,2-Dichloropropane	U		0.000397	0.00111	1	09/22/2017 05:07	WG1023237
1,1-Dichloropropene	U		0.000352	0.00111	1	09/22/2017 05:07	WG1023237
1,3-Dichloropropane	U		0.000230	0.00111	1	09/22/2017 05:07	WG1023237
cis-1,3-Dichloropropene	U		0.000291	0.00111	1	09/22/2017 05:07	WG1023237
trans-1,3-Dichloropropene	U		0.000296	0.00111	1	09/22/2017 05:07	WG1023237
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000864	0.00278	1	09/22/2017 05:07	WG1023237
2,2-Dichloropropane	U		0.000310	0.00111	1	09/22/2017 05:07	WG1023237
Di-isopropyl ether	U		0.000275	0.00111	1	09/22/2017 05:07	WG1023237
Ethylbenzene	U		0.000330	0.00111	1	09/22/2017 05:07	WG1023237
Hexachloro-1,3-butadiene	U		0.000380	0.00111	1	09/22/2017 05:07	WG1023237
2-Hexanone	U		0.00152	0.0111	1	09/22/2017 05:07	WG1023237
n-Hexane	U		0.000322	0.0111	1	09/22/2017 05:07	WG1023237
Iodomethane	U		0.00281	0.0111	1	09/22/2017 05:07	WG1023237
Isopropylbenzene	U		0.000270	0.00111	1	09/22/2017 05:07	WG1023237
p-Isopropyltoluene	U		0.000226	0.00111	1	09/22/2017 05:07	WG1023237
2-Butanone (MEK)	U		0.00520	0.0111	1	09/22/2017 05:07	WG1023237
Methylene Chloride	U		0.00111	0.00555	1	09/22/2017 05:07	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00209	0.0111	1	09/22/2017 05:07	WG1023237

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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	09/22/2017 05:07	WG1023237
Naphthalene	U		0.00111	0.00555	1	09/22/2017 05:07	WG1023237
n-Propylbenzene	U		0.000229	0.00111	1	09/22/2017 05:07	WG1023237
Styrene	U		0.000260	0.00111	1	09/22/2017 05:07	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000293	0.00111	1	09/22/2017 05:07	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000405	0.00111	1	09/22/2017 05:07	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000405	0.00111	1	09/22/2017 05:07	WG1023237
Tetrachloroethene	38.9		0.573	2.08	1870	09/27/2017 16:21	WG1023237
Toluene	U		0.000482	0.00555	1	09/22/2017 05:07	WG1023237
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1	09/22/2017 05:07	WG1023237
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1	09/22/2017 05:07	WG1023237
1,1,1-Trichloroethane	U		0.000317	0.00111	1	09/22/2017 05:07	WG1023237
1,1,2-Trichloroethane	U		0.000308	0.00111	1	09/22/2017 05:07	WG1023237
Trichloroethene	5.82		0.579	2.08	1870	09/27/2017 16:21	WG1023237
Trichlorofluoromethane	U		0.000424	0.00555	1	09/22/2017 05:07	WG1023237
1,2,3-Trichloropropane	U		0.000823	0.00278	1	09/22/2017 05:07	WG1023237
1,2,4-Trimethylbenzene	U		0.000234	0.00111	1	09/22/2017 05:07	WG1023237
1,2,3-Trimethylbenzene	U		0.000319	0.00111	1	09/22/2017 05:07	WG1023237
1,3,5-Trimethylbenzene	U		0.000295	0.00111	1	09/22/2017 05:07	WG1023237
Vinyl acetate	U		0.00265	0.0111	1	09/22/2017 05:07	WG1023237
Vinyl chloride	0.132		0.000323	0.00111	1	09/22/2017 05:07	WG1023237
Xylenes, Total	U		0.000775	0.00333	1	09/22/2017 05:07	WG1023237
(S) Toluene-d8	*95.1*			*80.0-120*		*09/22/2017 05:07*	WG1023237
(S) Toluene-d8	*110*			*80.0-120*		*09/27/2017 16:21*	WG1023237
(S) Dibromofluoromethane	*109*			*74.0-131*		*09/22/2017 05:07*	WG1023237
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/27/2017 16:21*	WG1023237
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/22/2017 05:07*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/27/2017 16:21*	WG1023237

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	09/25/2017 09:59	WG1024190

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0106	0.0531	1	09/22/2017 05:26	WG1023237
Acrylonitrile	U		0.00190	0.0106	1	09/22/2017 05:26	WG1023237
Benzene	U		0.000287	0.00106	1	09/22/2017 05:26	WG1023237
Bromobenzene	U		0.000302	0.00106	1	09/22/2017 05:26	WG1023237
Bromodichloromethane	U		0.000270	0.00106	1	09/22/2017 05:26	WG1023237
Bromochloromethane	U		0.000414	0.00531	1	09/22/2017 05:26	WG1023237
Bromoform	U		0.000450	0.00106	1	09/22/2017 05:26	WG1023237
Bromomethane	U		0.00142	0.00531	1	09/22/2017 05:26	WG1023237
n-Butylbenzene	U		0.000274	0.00106	1	09/22/2017 05:26	WG1023237
sec-Butylbenzene	U		0.000213	0.00106	1	09/22/2017 05:26	WG1023237
tert-Butylbenzene	U		0.000219	0.00106	1	09/22/2017 05:26	WG1023237
Carbon disulfide	0.00221	UJ J0	0.000235	0.00106	1	09/22/2017 05:26	WG1023237
Carbon tetrachloride	U		0.000348	0.00106	1	09/22/2017 05:26	WG1023237
Chlorobenzene	U		0.000225	0.00106	1	09/22/2017 05:26	WG1023237
Chlorodibromomethane	U		0.000396	0.00106	1	09/22/2017 05:26	WG1023237
Chloroethane	U		0.00100	0.00531	1	09/22/2017 05:26	WG1023237
Chloroform	U		0.000243	0.00531	1	09/22/2017 05:26	WG1023237
Chloromethane	U	UJ J0	0.000398	0.00265	1	09/22/2017 05:26	WG1023237
2-Chlorotoluene	U		0.000320	0.00106	1	09/22/2017 05:26	WG1023237
4-Chlorotoluene	U		0.000255	0.00106	1	09/22/2017 05:26	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00531	1	09/22/2017 05:26	WG1023237
1,2-Dibromoethane	U		0.000364	0.00106	1	09/22/2017 05:26	WG1023237
Dibromomethane	U		0.000406	0.00106	1	09/22/2017 05:26	WG1023237
1,2-Dichlorobenzene	U		0.000324	0.00106	1	09/22/2017 05:26	WG1023237
1,3-Dichlorobenzene	U		0.000254	0.00106	1	09/22/2017 05:26	WG1023237
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/22/2017 05:26	WG1023237
Dichlorodifluoromethane	U	UJ J0	0.000757	0.00531	1	09/22/2017 05:26	WG1023237
1,1-Dichloroethane	U		0.000211	0.00106	1	09/22/2017 05:26	WG1023237
1,2-Dichloroethane	U		0.000281	0.00106	1	09/22/2017 05:26	WG1023237
1,1-Dichloroethene	0.00535		0.000322	0.00106	1	09/22/2017 05:26	WG1023237
cis-1,2-Dichloroethene	5.52	J	0.0249	0.106	100	09/27/2017 16:41	WG1023237
trans-1,2-Dichloroethene	0.0127		0.000280	0.00106	1	09/22/2017 05:26	WG1023237
1,2-Dichloropropane	U		0.000380	0.00106	1	09/22/2017 05:26	WG1023237
1,1-Dichloropropene	U		0.000337	0.00106	1	09/22/2017 05:26	WG1023237
1,3-Dichloropropane	U		0.000220	0.00106	1	09/22/2017 05:26	WG1023237
cis-1,3-Dichloropropene	U		0.000278	0.00106	1	09/22/2017 05:26	WG1023237
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	09/22/2017 05:26	WG1023237
trans-1,4-Dichloro-2-butene	U	UJ J0 J4	0.000826	0.00265	1	09/22/2017 05:26	WG1023237
2,2-Dichloropropane	U		0.000296	0.00106	1	09/22/2017 05:26	WG1023237
Di-isopropyl ether	U		0.000263	0.00106	1	09/22/2017 05:26	WG1023237
Ethylbenzene	U		0.000315	0.00106	1	09/22/2017 05:26	WG1023237
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	09/22/2017 05:26	WG1023237
2-Hexanone	U		0.00145	0.0106	1	09/22/2017 05:26	WG1023237
n-Hexane	U		0.000308	0.0106	1	09/22/2017 05:26	WG1023237
Iodomethane	U		0.00269	0.0106	1	09/22/2017 05:26	WG1023237
Isopropylbenzene	U		0.000258	0.00106	1	09/22/2017 05:26	WG1023237
p-Isopropyltoluene	U		0.000217	0.00106	1	09/22/2017 05:26	WG1023237
2-Butanone (MEK)	U		0.00497	0.0106	1	09/22/2017 05:26	WG1023237
Methylene Chloride	U		0.00106	0.00531	1	09/22/2017 05:26	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00200	0.0106	1	09/22/2017 05:26	WG1023237

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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		0.000225	0.00106	1	09/22/2017 05:26	WG1023237
Naphthalene	U		0.00106	0.00531	1	09/22/2017 05:26	WG1023237
n-Propylbenzene	U		0.000219	0.00106	1	09/22/2017 05:26	WG1023237
Styrene	U		0.000248	0.00106	1	09/22/2017 05:26	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	09/22/2017 05:26	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000388	0.00106	1	09/22/2017 05:26	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000388	0.00106	1	09/22/2017 05:26	WG1023237
Tetrachloroethene	0.537	J	0.0293	0.106	100	09/27/2017 16:41	WG1023237
Toluene	U		0.000461	0.00531	1	09/22/2017 05:26	WG1023237
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	09/22/2017 05:26	WG1023237
1,2,4-Trichlorobenzene	U		0.000412	0.00106	1	09/22/2017 05:26	WG1023237
1,1,1-Trichloroethane	U		0.000304	0.00106	1	09/22/2017 05:26	WG1023237
1,1,2-Trichloroethane	U		0.000294	0.00106	1	09/22/2017 05:26	WG1023237
Trichloroethene	0.180	J	0.000296	0.00106	1	09/22/2017 05:26	WG1023237
Trichlorofluoromethane	U		0.000406	0.00531	1	09/22/2017 05:26	WG1023237
1,2,3-Trichloropropane	U		0.000787	0.00265	1	09/22/2017 05:26	WG1023237
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	09/22/2017 05:26	WG1023237
1,2,3-Trimethylbenzene	U		0.000305	0.00106	1	09/22/2017 05:26	WG1023237
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	09/22/2017 05:26	WG1023237
Vinyl acetate	U		0.00254	0.0106	1	09/22/2017 05:26	WG1023237
Vinyl chloride	0.00427	J	0.000309	0.00106	1	09/22/2017 05:26	WG1023237
Xylenes, Total	U		0.000741	0.00319	1	09/22/2017 05:26	WG1023237
(S) Toluene-d8	*111*			*80.0-120*		*09/27/2017 16:41*	WG1023237
(S) Toluene-d8	*98.8*			*80.0-120*		*09/22/2017 05:26*	WG1023237
(S) Dibromofluoromethane	*98.8*			*74.0-131*		*09/27/2017 16:41*	WG1023237
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/22/2017 05:26*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/27/2017 16:41*	WG1023237
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/22/2017 05:26*	WG1023237

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	09/23/2017 09:21	WG1023495

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0204 J	J J0	0.0108	0.0538	1	09/22/2017 05:46	WG1023237
Acrylonitrile	U		0.00193	0.0108	1	09/22/2017 05:46	WG1023237
Benzene	U		0.000290	0.00108	1	09/22/2017 05:46	WG1023237
Bromobenzene	U		0.000305	0.00108	1	09/22/2017 05:46	WG1023237
Bromodichloromethane	U		0.000273	0.00108	1	09/22/2017 05:46	WG1023237
Bromochloromethane	U		0.000419	0.00538	1	09/22/2017 05:46	WG1023237
Bromoform	U		0.000456	0.00108	1	09/22/2017 05:46	WG1023237
Bromomethane	U		0.00144	0.00538	1	09/22/2017 05:46	WG1023237
n-Butylbenzene	U		0.000277	0.00108	1	09/22/2017 05:46	WG1023237
sec-Butylbenzene	U		0.000216	0.00108	1	09/22/2017 05:46	WG1023237
tert-Butylbenzene	U		0.000222	0.00108	1	09/22/2017 05:46	WG1023237
Carbon disulfide	0.00177 J	J0	0.000238	0.00108	1	09/22/2017 05:46	WG1023237
Carbon tetrachloride	U		0.000353	0.00108	1	09/22/2017 05:46	WG1023237
Chlorobenzene	U		0.000228	0.00108	1	09/22/2017 05:46	WG1023237
Chlorodibromomethane	U		0.000401	0.00108	1	09/22/2017 05:46	WG1023237
Chloroethane	U		0.00102	0.00538	1	09/22/2017 05:46	WG1023237
Chloroform	U		0.000246	0.00538	1	09/22/2017 05:46	WG1023237
Chloromethane	U UJ	J0	0.000403	0.00269	1	09/22/2017 05:46	WG1023237
2-Chlorotoluene	U		0.000324	0.00108	1	09/22/2017 05:46	WG1023237
4-Chlorotoluene	U		0.000258	0.00108	1	09/22/2017 05:46	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	09/22/2017 05:46	WG1023237
1,2-Dibromoethane	U		0.000369	0.00108	1	09/22/2017 05:46	WG1023237
Dibromomethane	U		0.000411	0.00108	1	09/22/2017 05:46	WG1023237
1,2-Dichlorobenzene	U		0.000328	0.00108	1	09/22/2017 05:46	WG1023237
1,3-Dichlorobenzene	U		0.000257	0.00108	1	09/22/2017 05:46	WG1023237
1,4-Dichlorobenzene	U		0.000243	0.00108	1	09/22/2017 05:46	WG1023237
Dichlorodifluoromethane	U UJ	J0	0.000767	0.00538	1	09/22/2017 05:46	WG1023237
1,1-Dichloroethane	U		0.000214	0.00108	1	09/22/2017 05:46	WG1023237
1,2-Dichloroethane	U		0.000285	0.00108	1	09/22/2017 05:46	WG1023237
1,1-Dichloroethene	0.00164		0.000326	0.00108	1	09/22/2017 05:46	WG1023237
cis-1,2-Dichloroethene	0.0913		0.000253	0.00108	1	09/22/2017 05:46	WG1023237
trans-1,2-Dichloroethene	0.000689 J	J	0.000284	0.00108	1	09/22/2017 05:46	WG1023237
1,2-Dichloropropane	U		0.000385	0.00108	1	09/22/2017 05:46	WG1023237
1,1-Dichloropropene	U		0.000341	0.00108	1	09/22/2017 05:46	WG1023237
1,3-Dichloropropane	U		0.000223	0.00108	1	09/22/2017 05:46	WG1023237
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	09/22/2017 05:46	WG1023237
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	09/22/2017 05:46	WG1023237
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000837	0.00269	1	09/22/2017 05:46	WG1023237
2,2-Dichloropropane	U		0.000300	0.00108	1	09/22/2017 05:46	WG1023237
Di-isopropyl ether	U		0.000267	0.00108	1	09/22/2017 05:46	WG1023237
Ethylbenzene	U		0.000319	0.00108	1	09/22/2017 05:46	WG1023237
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	09/22/2017 05:46	WG1023237
2-Hexanone	U		0.00147	0.0108	1	09/22/2017 05:46	WG1023237
n-Hexane	0.00212 J	J	0.000312	0.0108	1	09/22/2017 05:46	WG1023237
Iodomethane	U		0.00272	0.0108	1	09/22/2017 05:46	WG1023237
Isopropylbenzene	U		0.000261	0.00108	1	09/22/2017 05:46	WG1023237
p-Isopropyltoluene	U		0.000219	0.00108	1	09/22/2017 05:46	WG1023237
2-Butanone (MEK)	U		0.00503	0.0108	1	09/22/2017 05:46	WG1023237
Methylene Chloride	U		0.00108	0.00538	1	09/22/2017 05:46	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	09/22/2017 05:46	WG1023237

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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	09/22/2017 05:46	WG1023237
Naphthalene	U		0.00108	0.00538	1	09/22/2017 05:46	WG1023237
n-Propylbenzene	U		0.000222	0.00108	1	09/22/2017 05:46	WG1023237
Styrene	U		0.000252	0.00108	1	09/22/2017 05:46	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	09/22/2017 05:46	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	09/22/2017 05:46	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	09/22/2017 05:46	WG1023237
Tetrachloroethene	15.5		0.297	1.08	1000	09/27/2017 17:01	WG1023237
Toluene	U		0.000467	0.00538	1	09/22/2017 05:46	WG1023237
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	09/22/2017 05:46	WG1023237
1,2,4-Trichlorobenzene	U		0.000417	0.00108	1	09/22/2017 05:46	WG1023237
1,1,1-Trichloroethane	U		0.000308	0.00108	1	09/22/2017 05:46	WG1023237
1,1,2-Trichloroethane	U		0.000298	0.00108	1	09/22/2017 05:46	WG1023237
Trichloroethene	1.25		0.300	1.08	1000	09/27/2017 17:01	WG1023237
Trichlorofluoromethane	U		0.000411	0.00538	1	09/22/2017 05:46	WG1023237
1,2,3-Trichloropropane	U		0.000797	0.00269	1	09/22/2017 05:46	WG1023237
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	09/22/2017 05:46	WG1023237
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	09/22/2017 05:46	WG1023237
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	09/22/2017 05:46	WG1023237
Vinyl acetate	U		0.00257	0.0108	1	09/22/2017 05:46	WG1023237
Vinyl chloride	0.00210		0.000313	0.00108	1	09/22/2017 05:46	WG1023237
Xylenes, Total	U		0.000751	0.00323	1	09/22/2017 05:46	WG1023237
(S) Toluene-d8	*106*			*80.0-120*		*09/27/2017 17:01*	WG1023237
(S) Toluene-d8	*95.0*			*80.0-120*		*09/22/2017 05:46*	WG1023237
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*09/27/2017 17:01*	WG1023237
(S) Dibromofluoromethane	*106*			*74.0-131*		*09/22/2017 05:46*	WG1023237
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/27/2017 17:01*	WG1023237
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/22/2017 05:46*	WG1023237

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	09/23/2017 09:21	WG1023495

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0133	J J0	0.0108	0.0538	1	09/22/2017 06:05	WG1023237
Acrylonitrile	U		0.00193	0.0108	1	09/22/2017 06:05	WG1023237
Benzene	U		0.000290	0.00108	1	09/22/2017 06:05	WG1023237
Bromobenzene	U		0.000305	0.00108	1	09/22/2017 06:05	WG1023237
Bromodichloromethane	U		0.000273	0.00108	1	09/22/2017 06:05	WG1023237
Bromochloromethane	U		0.000419	0.00538	1	09/22/2017 06:05	WG1023237
Bromoform	U		0.000456	0.00108	1	09/22/2017 06:05	WG1023237
Bromomethane	U		0.00144	0.00538	1	09/22/2017 06:05	WG1023237
n-Butylbenzene	U		0.000277	0.00108	1	09/22/2017 06:05	WG1023237
sec-Butylbenzene	U		0.000216	0.00108	1	09/22/2017 06:05	WG1023237
tert-Butylbenzene	U		0.000222	0.00108	1	09/22/2017 06:05	WG1023237
Carbon disulfide	0.00188 J	J0	0.000238	0.00108	1	09/22/2017 06:05	WG1023237
Carbon tetrachloride	U		0.000353	0.00108	1	09/22/2017 06:05	WG1023237
Chlorobenzene	U		0.000228	0.00108	1	09/22/2017 06:05	WG1023237
Chlorodibromomethane	U		0.000401	0.00108	1	09/22/2017 06:05	WG1023237
Chloroethane	U		0.00102	0.00538	1	09/22/2017 06:05	WG1023237
Chloroform	U		0.000246	0.00538	1	09/22/2017 06:05	WG1023237
Chloromethane	U UJ	J0	0.000403	0.00269	1	09/22/2017 06:05	WG1023237
2-Chlorotoluene	U		0.000324	0.00108	1	09/22/2017 06:05	WG1023237
4-Chlorotoluene	U		0.000258	0.00108	1	09/22/2017 06:05	WG1023237
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00538	1	09/22/2017 06:05	WG1023237
1,2-Dibromoethane	U		0.000369	0.00108	1	09/22/2017 06:05	WG1023237
Dibromomethane	U		0.000411	0.00108	1	09/22/2017 06:05	WG1023237
1,2-Dichlorobenzene	U		0.000328	0.00108	1	09/22/2017 06:05	WG1023237
1,3-Dichlorobenzene	U		0.000257	0.00108	1	09/22/2017 06:05	WG1023237
1,4-Dichlorobenzene	U		0.000243	0.00108	1	09/22/2017 06:05	WG1023237
Dichlorodifluoromethane	U UJ	J0	0.000767	0.00538	1	09/22/2017 06:05	WG1023237
1,1-Dichloroethane	U		0.000214	0.00108	1	09/22/2017 06:05	WG1023237
1,2-Dichloroethane	U		0.000285	0.00108	1	09/22/2017 06:05	WG1023237
1,1-Dichloroethene	0.00161		0.000326	0.00108	1	09/22/2017 06:05	WG1023237
cis-1,2-Dichloroethene	0.0766		0.000253	0.00108	1	09/22/2017 06:05	WG1023237
trans-1,2-Dichloroethene	0.000658 J	J	0.000284	0.00108	1	09/22/2017 06:05	WG1023237
1,2-Dichloropropane	U		0.000385	0.00108	1	09/22/2017 06:05	WG1023237
1,1-Dichloropropene	U		0.000341	0.00108	1	09/22/2017 06:05	WG1023237
1,3-Dichloropropane	U		0.000223	0.00108	1	09/22/2017 06:05	WG1023237
cis-1,3-Dichloropropene	U		0.000282	0.00108	1	09/22/2017 06:05	WG1023237
trans-1,3-Dichloropropene	U		0.000287	0.00108	1	09/22/2017 06:05	WG1023237
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.000837	0.00269	1	09/22/2017 06:05	WG1023237
2,2-Dichloropropane	U		0.000300	0.00108	1	09/22/2017 06:05	WG1023237
Di-isopropyl ether	U		0.000267	0.00108	1	09/22/2017 06:05	WG1023237
Ethylbenzene	U		0.000319	0.00108	1	09/22/2017 06:05	WG1023237
Hexachloro-1,3-butadiene	U		0.000368	0.00108	1	09/22/2017 06:05	WG1023237
2-Hexanone	U		0.00147	0.0108	1	09/22/2017 06:05	WG1023237
n-Hexane	0.00215 J	J	0.000312	0.0108	1	09/22/2017 06:05	WG1023237
Iodomethane	U		0.00272	0.0108	1	09/22/2017 06:05	WG1023237
Isopropylbenzene	U		0.000261	0.00108	1	09/22/2017 06:05	WG1023237
p-Isopropyltoluene	U		0.000219	0.00108	1	09/22/2017 06:05	WG1023237
2-Butanone (MEK)	U		0.00503	0.0108	1	09/22/2017 06:05	WG1023237
Methylene Chloride	U		0.00108	0.00538	1	09/22/2017 06:05	WG1023237
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0108	1	09/22/2017 06:05	WG1023237

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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	09/22/2017 06:05	WG1023237
Naphthalene	U		0.00108	0.00538	1	09/22/2017 06:05	WG1023237
n-Propylbenzene	U		0.000222	0.00108	1	09/22/2017 06:05	WG1023237
Styrene	U		0.000252	0.00108	1	09/22/2017 06:05	WG1023237
1,1,1,2-Tetrachloroethane	U		0.000284	0.00108	1	09/22/2017 06:05	WG1023237
1,1,2,2-Tetrachloroethane	U		0.000393	0.00108	1	09/22/2017 06:05	WG1023237
1,1,2-Trichlorotrifluoroethane	U		0.000393	0.00108	1	09/22/2017 06:05	WG1023237
Tetrachloroethene	18.5		0.297	1.08	1000	09/27/2017 17:20	WG1023237
Toluene	U		0.000467	0.00538	1	09/22/2017 06:05	WG1023237
1,2,3-Trichlorobenzene	U		0.000329	0.00108	1	09/22/2017 06:05	WG1023237
1,2,4-Trichlorobenzene	U		0.000417	0.00108	1	09/22/2017 06:05	WG1023237
1,1,1-Trichloroethane	U		0.000308	0.00108	1	09/22/2017 06:05	WG1023237
1,1,2-Trichloroethane	U		0.000298	0.00108	1	09/22/2017 06:05	WG1023237
Trichloroethene	2.03		0.300	1.08	1000	09/27/2017 17:20	WG1023237
Trichlorofluoromethane	U		0.000411	0.00538	1	09/22/2017 06:05	WG1023237
1,2,3-Trichloropropane	U		0.000797	0.00269	1	09/22/2017 06:05	WG1023237
1,2,4-Trimethylbenzene	U		0.000227	0.00108	1	09/22/2017 06:05	WG1023237
1,2,3-Trimethylbenzene	U		0.000309	0.00108	1	09/22/2017 06:05	WG1023237
1,3,5-Trimethylbenzene	U		0.000286	0.00108	1	09/22/2017 06:05	WG1023237
Vinyl acetate	U		0.00257	0.0108	1	09/22/2017 06:05	WG1023237
Vinyl chloride	0.00191		0.000313	0.00108	1	09/22/2017 06:05	WG1023237
Xylenes, Total	U		0.000751	0.00323	1	09/22/2017 06:05	WG1023237
(S) Toluene-d8	*94.7*			*80.0-120*		*09/22/2017 06:05*	WG1023237
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 17:20*	WG1023237
(S) Dibromofluoromethane	*100*			*74.0-131*		*09/27/2017 17:20*	WG1023237
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/22/2017 06:05*	WG1023237
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*09/22/2017 06:05*	WG1023237
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*09/27/2017 17:20*	WG1023237

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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	09/23/2017 08:34	WG1023738
Acrylonitrile	U		0.873	5.00	1	09/23/2017 08:34	WG1023738
Benzene	U		0.0896	0.500	1	09/23/2017 08:34	WG1023738
Bromobenzene	U		0.133	0.500	1	09/23/2017 08:34	WG1023738
Bromodichloromethane	U		0.0800	0.500	1	09/23/2017 08:34	WG1023738
Bromochloromethane	U		0.145	0.500	1	09/23/2017 08:34	WG1023738
Bromoform	U		0.186	0.500	1	09/23/2017 08:34	WG1023738
Bromomethane	U		0.157	2.50	1	09/23/2017 08:34	WG1023738
n-Butylbenzene	U		0.143	0.500	1	09/23/2017 08:34	WG1023738
sec-Butylbenzene	U		0.134	0.500	1	09/23/2017 08:34	WG1023738
tert-Butylbenzene	U		0.183	0.500	1	09/23/2017 08:34	WG1023738
Carbon disulfide	U		0.101	0.500	1	09/23/2017 08:34	WG1023738
Carbon tetrachloride	U		0.159	0.500	1	09/23/2017 08:34	WG1023738
Chlorobenzene	U		0.140	0.500	1	09/23/2017 08:34	WG1023738
Chlorodibromomethane	U		0.128	0.500	1	09/23/2017 08:34	WG1023738
Chloroethane	U		0.141	2.50	1	09/23/2017 08:34	WG1023738
Chloroform	U		0.0860	0.500	1	09/23/2017 08:34	WG1023738
Chloromethane	U		0.153	1.25	1	09/23/2017 08:34	WG1023738
2-Chlorotoluene	U		0.111	0.500	1	09/23/2017 08:34	WG1023738
4-Chlorotoluene	U		0.0972	0.500	1	09/23/2017 08:34	WG1023738
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/23/2017 08:34	WG1023738
1,2-Dibromoethane	U		0.193	0.500	1	09/23/2017 08:34	WG1023738
Dibromomethane	U		0.117	0.500	1	09/23/2017 08:34	WG1023738
1,2-Dichlorobenzene	U		0.101	0.500	1	09/23/2017 08:34	WG1023738
1,3-Dichlorobenzene	U		0.130	0.500	1	09/23/2017 08:34	WG1023738
1,4-Dichlorobenzene	U		0.121	0.500	1	09/23/2017 08:34	WG1023738
Dichlorodifluoromethane	U		0.127	2.50	1	09/23/2017 08:34	WG1023738
1,1-Dichloroethane	U		0.114	0.500	1	09/23/2017 08:34	WG1023738
1,2-Dichloroethane	U		0.108	0.500	1	09/23/2017 08:34	WG1023738
1,1-Dichloroethene	U		0.188	0.500	1	09/23/2017 08:34	WG1023738
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/23/2017 08:34	WG1023738
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/23/2017 08:34	WG1023738
1,2-Dichloropropane	U		0.190	0.500	1	09/23/2017 08:34	WG1023738
1,1-Dichloropropene	U		0.128	0.500	1	09/23/2017 08:34	WG1023738
1,3-Dichloropropane	U		0.147	1.00	1	09/23/2017 08:34	WG1023738
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/23/2017 08:34	WG1023738
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/23/2017 08:34	WG1023738
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	09/23/2017 08:34	WG1023738
2,2-Dichloropropane	U		0.0929	0.500	1	09/23/2017 08:34	WG1023738
Di-isopropyl ether	U		0.0924	0.500	1	09/23/2017 08:34	WG1023738
Ethylbenzene	U		0.158	0.500	1	09/23/2017 08:34	WG1023738
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/23/2017 08:34	WG1023738
2-Hexanone	U		0.757	5.00	1	09/23/2017 08:34	WG1023738
n-Hexane	U		0.305	5.00	1	09/23/2017 08:34	WG1023738
Iodomethane	U		0.377	10.0	1	09/23/2017 08:34	WG1023738
Isopropylbenzene	U		0.126	0.500	1	09/23/2017 08:34	WG1023738
p-Isopropyltoluene	U		0.138	0.500	1	09/23/2017 08:34	WG1023738
2-Butanone (MEK)	U		1.28	5.00	1	09/23/2017 08:34	WG1023738
Methylene Chloride	U		1.07	2.50	1	09/23/2017 08:34	WG1023738
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/23/2017 08:34	WG1023738
Methyl tert-butyl ether	U		0.102	0.500	1	09/23/2017 08:34	WG1023738
Naphthalene	U		0.174	2.50	1	09/23/2017 08:34	WG1023738
n-Propylbenzene	U		0.162	0.500	1	09/23/2017 08:34	WG1023738
Styrene	U		0.117	0.500	1	09/23/2017 08:34	WG1023738
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/23/2017 08:34	WG1023738
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/23/2017 08:34	WG1023738

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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	09/23/2017 08:34	WG1023738
Tetrachloroethene	U		0.199	0.500	1	09/23/2017 08:34	WG1023738
Toluene	U		0.412	0.500	1	09/23/2017 08:34	WG1023738
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/23/2017 08:34	WG1023738
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/23/2017 08:34	WG1023738
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/23/2017 08:34	WG1023738
1,1,2-Trichloroethane	U		0.186	0.500	1	09/23/2017 08:34	WG1023738
Trichloroethene	U		0.153	0.500	1	09/23/2017 08:34	WG1023738
Trichlorofluoromethane	U		0.130	2.50	1	09/23/2017 08:34	WG1023738
1,2,3-Trichloropropane	U		0.247	2.50	1	09/23/2017 08:34	WG1023738
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/23/2017 08:34	WG1023738
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/23/2017 08:34	WG1023738
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/23/2017 08:34	WG1023738
Vinyl acetate	U		0.645	5.00	1	09/23/2017 08:34	WG1023738
Vinyl chloride	U		0.118	0.500	1	09/23/2017 08:34	WG1023738
Xylenes, Total	U		0.316	1.50	1	09/23/2017 08:34	WG1023738
(S) Toluene-d8	*104*			*80.0-120*		*09/23/2017 08:34*	WG1023738
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/23/2017 08:34*	WG1023738
(S) 4-Bromofluorobenzene	*89.7*			*80.0-120*		*09/23/2017 08:34*	WG1023738

JC 10/17/17

ANALYTICAL REPORT

October 03, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L938636
Samples Received:	09/22/2017
Project Number:	1413.001.02.602
Description:	American Linen Project
Site:	1413.001.02.602
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

B-915-80 L938636-01 Solid

Collected by: Shannon McKernan | Collected date/time: 09/20/17 14:30 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1026247	100	09/20/17 14:30	10/01/17 15:02	DWR

B-221-16 L938636-02 Solid

Collected by: Shannon McKernan | Collected date/time: 09/20/17 14:50 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1026247	25	09/20/17 14:50	10/01/17 14:42	DWR

B-221-22 L938636-03 Solid

Collected by: Shannon McKernan | Collected date/time: 09/20/17 14:55 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1026247	1000	09/20/17 14:55	09/29/17 19:48	ACG

B-221-33 L938636-04 Solid

Collected by: Shannon McKernan | Collected date/time: 09/20/17 15:15 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1026247	1000	09/20/17 15:15	09/29/17 20:08	ACG

B-221-37 L938636-05 Solid

Collected by: Shannon McKernan | Collected date/time: 09/20/17 15:20 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1026247	200	09/20/17 15:20	10/01/17 15:21	DWR

B-221-45 L938636-06 Solid

Collected by: Shannon McKernan | Collected date/time: 09/20/17 15:40 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1026247	10000	09/20/17 15:40	09/29/17 20:47	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1026247	200000	09/20/17 15:40	10/01/17 16:20	DWR

B-221-50 L938636-07 Solid

Collected by: Shannon McKernan | Collected date/time: 09/20/17 15:45 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1026247	500	09/20/17 15:45	10/01/17 15:41	DWR

MW-138-092117 L938636-08 GW

Collected by: Shannon McKernan | Collected date/time: 09/21/17 10:10 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1024796	1	09/27/17 19:54	09/27/17 19:54	ACE
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024893	2	09/27/17 07:22	09/27/17 07:22	ACG

B-221-60 L938636-09 Solid

Collected by: Shannon McKernan | Collected date/time: 09/20/17 17:20 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1026247	500	09/20/17 17:20	10/01/17 16:01	DWR

B-221-70 L938636-10 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 08:50 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	1	09/21/17 08:50	09/24/17 06:30	JHH

B-222-17 L938636-11 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 11:35 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024280	1	09/26/17 08:27	09/26/17 08:36	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	1	09/21/17 11:35	09/24/17 06:50	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	50	09/21/17 11:35	10/01/17 18:25	DWR

B-222-25 L938636-12 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 11:55 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024282	1	09/26/17 08:15	09/26/17 08:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	1	09/21/17 11:55	09/24/17 07:09	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	25	09/21/17 11:55	10/01/17 18:45	DWR

B-222-34 L938636-13 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 13:10 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024282	1	09/26/17 08:15	09/26/17 08:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	1	09/21/17 13:10	09/24/17 07:29	JHH

B-222-42 L938636-14 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 13:00 | Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024282	1	09/26/17 08:15	09/26/17 08:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	1	09/21/17 13:00	09/24/17 07:48	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	100	09/21/17 13:00	10/01/17 19:04	DWR

B-222-50 L938636-15 Solid

Collected by: Shannon McKernan
Collected date/time: 09/21/17 12:55
Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024282	1	09/26/17 08:15	09/26/17 08:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	50	09/21/17 12:55	10/01/17 19:25	DWR

B-916-30 L938636-16 Solid

Collected by: Shannon McKernan
Collected date/time: 09/21/17 13:30
Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1024282	1	09/26/17 08:15	09/26/17 08:27	JD
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	1	09/21/17 13:30	09/24/17 08:27	JHH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024032	25	09/21/17 13:30	10/01/17 19:44	DWR

TRIP BLANK-092117 L938636-17 GW

Collected by: Shannon McKernan
Collected date/time: 05/15/17 00:00
Received date/time: 09/22/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024893	1	09/27/17 01:35	09/27/17 01:35	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024893	1	10/02/17 20:51	10/02/17 20:51	JAH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	87.3		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	1.15	5.73	100	10/01/2017 15:02	WG1026247
Acrylonitrile	U		0.205	1.15	100	10/01/2017 15:02	WG1026247
Benzene	U		0.0309	0.115	100	10/01/2017 15:02	WG1026247
Bromobenzene	U		0.0325	0.115	100	10/01/2017 15:02	WG1026247
Bromodichloromethane	U		0.0291	0.115	100	10/01/2017 15:02	WG1026247
Bromochloromethane	U		0.0447	0.573	100	10/01/2017 15:02	WG1026247
Bromoform	U		0.0486	0.115	100	10/01/2017 15:02	WG1026247
Bromomethane	U		0.154	0.573	100	10/01/2017 15:02	WG1026247
n-Butylbenzene	U		0.0296	0.115	100	10/01/2017 15:02	WG1026247
sec-Butylbenzene	U		0.0230	0.115	100	10/01/2017 15:02	WG1026247
tert-Butylbenzene	U		0.0236	0.115	100	10/01/2017 15:02	WG1026247
Carbon disulfide	U		0.0253	0.115	100	10/01/2017 15:02	WG1026247
Carbon tetrachloride	U		0.0376	0.115	100	10/01/2017 15:02	WG1026247
Chlorobenzene	U		0.0243	0.115	100	10/01/2017 15:02	WG1026247
Chlorodibromomethane	U		0.0428	0.115	100	10/01/2017 15:02	WG1026247
Chloroethane	U		0.108	0.573	100	10/01/2017 15:02	WG1026247
Chloroform	U		0.0262	0.573	100	10/01/2017 15:02	WG1026247
Chloromethane	U		0.0430	0.287	100	10/01/2017 15:02	WG1026247
2-Chlorotoluene	U		0.0345	0.115	100	10/01/2017 15:02	WG1026247
4-Chlorotoluene	U		0.0275	0.115	100	10/01/2017 15:02	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.120	0.573	100	10/01/2017 15:02	WG1026247
1,2-Dibromoethane	U		0.0393	0.115	100	10/01/2017 15:02	WG1026247
Dibromomethane	U		0.0438	0.115	100	10/01/2017 15:02	WG1026247
1,2-Dichlorobenzene	U		0.0350	0.115	100	10/01/2017 15:02	WG1026247
1,3-Dichlorobenzene	U		0.0274	0.115	100	10/01/2017 15:02	WG1026247
1,4-Dichlorobenzene	U		0.0259	0.115	100	10/01/2017 15:02	WG1026247
Dichlorodifluoromethane	U		0.0817	0.573	100	10/01/2017 15:02	WG1026247
1,1-Dichloroethane	U		0.0228	0.115	100	10/01/2017 15:02	WG1026247
1,2-Dichloroethane	U		0.0304	0.115	100	10/01/2017 15:02	WG1026247
1,1-Dichloroethene	U		0.0347	0.115	100	10/01/2017 15:02	WG1026247
cis-1,2-Dichloroethene	0.342		0.0269	0.115	100	10/01/2017 15:02	WG1026247
trans-1,2-Dichloroethene	U		0.0303	0.115	100	10/01/2017 15:02	WG1026247
1,2-Dichloropropane	U		0.0410	0.115	100	10/01/2017 15:02	WG1026247
1,1-Dichloropropene	U		0.0363	0.115	100	10/01/2017 15:02	WG1026247
1,3-Dichloropropane	U		0.0237	0.115	100	10/01/2017 15:02	WG1026247
cis-1,3-Dichloropropene	U		0.0300	0.115	100	10/01/2017 15:02	WG1026247
trans-1,3-Dichloropropene	U		0.0306	0.115	100	10/01/2017 15:02	WG1026247
trans-1,4-Dichloro-2-butene	U	J0	0.0892	0.287	100	10/01/2017 15:02	WG1026247
2,2-Dichloropropane	U	J0	0.0320	0.115	100	10/01/2017 15:02	WG1026247
Di-isopropyl ether	U	J0	0.0284	0.115	100	10/01/2017 15:02	WG1026247
Ethylbenzene	U		0.0340	0.115	100	10/01/2017 15:02	WG1026247
Hexachloro-1,3-butadiene	U		0.0392	0.115	100	10/01/2017 15:02	WG1026247
2-Hexanone	U		0.157	1.15	100	10/01/2017 15:02	WG1026247
n-Hexane	U	J0	0.0332	1.15	100	10/01/2017 15:02	WG1026247
Iodomethane	U		0.290	1.15	100	10/01/2017 15:02	WG1026247
Isopropylbenzene	U		0.0279	0.115	100	10/01/2017 15:02	WG1026247
p-Isopropyltoluene	U		0.0234	0.115	100	10/01/2017 15:02	WG1026247
2-Butanone (MEK)	U		0.536	1.15	100	10/01/2017 15:02	WG1026247
Methylene Chloride	U		0.115	0.573	100	10/01/2017 15:02	WG1026247
4-Methyl-2-pentanone (MIBK)	U	J0	0.215	1.15	100	10/01/2017 15:02	WG1026247

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0243	0.115	100	10/01/2017 15:02	WG1026247
Naphthalene	U		0.115	0.573	100	10/01/2017 15:02	WG1026247
n-Propylbenzene	U		0.0236	0.115	100	10/01/2017 15:02	WG1026247
Styrene	U		0.0268	0.115	100	10/01/2017 15:02	WG1026247
1,1,1,2-Tetrachloroethane	U		0.0303	0.115	100	10/01/2017 15:02	WG1026247
1,1,2,2-Tetrachloroethane	U		0.0418	0.115	100	10/01/2017 15:02	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.0418	0.115	100	10/01/2017 15:02	WG1026247
Tetrachloroethene	7.54		0.0316	0.115	100	10/01/2017 15:02	WG1026247
Toluene	U		0.0497	0.573	100	10/01/2017 15:02	WG1026247
1,2,3-Trichlorobenzene	U		0.0351	0.115	100	10/01/2017 15:02	WG1026247
1,2,4-Trichlorobenzene	U		0.0445	0.115	100	10/01/2017 15:02	WG1026247
1,1,1-Trichloroethane	U		0.0328	0.115	100	10/01/2017 15:02	WG1026247
1,1,2-Trichloroethane	U		0.0317	0.115	100	10/01/2017 15:02	WG1026247
Trichloroethene	0.400		0.0320	0.115	100	10/01/2017 15:02	WG1026247
Trichlorofluoromethane	U		0.0438	0.573	100	10/01/2017 15:02	WG1026247
1,2,3-Trichloropropane	U		0.0849	0.287	100	10/01/2017 15:02	WG1026247
1,2,4-Trimethylbenzene	U		0.0242	0.115	100	10/01/2017 15:02	WG1026247
1,2,3-Trimethylbenzene	U		0.0329	0.115	100	10/01/2017 15:02	WG1026247
1,3,5-Trimethylbenzene	U		0.0305	0.115	100	10/01/2017 15:02	WG1026247
Vinyl acetate	U		0.274	1.15	100	10/01/2017 15:02	WG1026247
Vinyl chloride	U		0.0334	0.115	100	10/01/2017 15:02	WG1026247
Xylenes, Total	U		0.0800	0.344	100	10/01/2017 15:02	WG1026247
(S) Toluene-d8	*105*			*80.0-120*		*10/01/2017 15:02*	WG1026247
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*10/01/2017 15:02*	WG1026247
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 15:02*	WG1026247

Sample Narrative:

L938636-01 WG1026247: Target compound too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	0.293	1.46	25	10/01/2017 14:42	WG1026247
Acrylonitrile	U		0.0525	0.293	25	10/01/2017 14:42	WG1026247
Benzene	U		0.00791	0.0293	25	10/01/2017 14:42	WG1026247
Bromobenzene	U		0.00832	0.0293	25	10/01/2017 14:42	WG1026247
Bromodichloromethane	U		0.00744	0.0293	25	10/01/2017 14:42	WG1026247
Bromochloromethane	U		0.0114	0.146	25	10/01/2017 14:42	WG1026247
Bromoform	U		0.0124	0.0293	25	10/01/2017 14:42	WG1026247
Bromomethane	U		0.0393	0.146	25	10/01/2017 14:42	WG1026247
n-Butylbenzene	U		0.00756	0.0293	25	10/01/2017 14:42	WG1026247
sec-Butylbenzene	U		0.00588	0.0293	25	10/01/2017 14:42	WG1026247
tert-Butylbenzene	U		0.00603	0.0293	25	10/01/2017 14:42	WG1026247
Carbon disulfide	U		0.00647	0.0293	25	10/01/2017 14:42	WG1026247
Carbon tetrachloride	U		0.00961	0.0293	25	10/01/2017 14:42	WG1026247
Chlorobenzene	U		0.00621	0.0293	25	10/01/2017 14:42	WG1026247
Chlorodibromomethane	U		0.0109	0.0293	25	10/01/2017 14:42	WG1026247
Chloroethane	U		0.0277	0.146	25	10/01/2017 14:42	WG1026247
Chloroform	U		0.00670	0.146	25	10/01/2017 14:42	WG1026247
Chloromethane	U		0.0110	0.0732	25	10/01/2017 14:42	WG1026247
2-Chlorotoluene	U		0.00881	0.0293	25	10/01/2017 14:42	WG1026247
4-Chlorotoluene	U		0.00703	0.0293	25	10/01/2017 14:42	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.0307	0.146	25	10/01/2017 14:42	WG1026247
1,2-Dibromoethane	U		0.0101	0.0293	25	10/01/2017 14:42	WG1026247
Dibromomethane	U		0.0112	0.0293	25	10/01/2017 14:42	WG1026247
1,2-Dichlorobenzene	U		0.00893	0.0293	25	10/01/2017 14:42	WG1026247
1,3-Dichlorobenzene	U		0.00701	0.0293	25	10/01/2017 14:42	WG1026247
1,4-Dichlorobenzene	U		0.00662	0.0293	25	10/01/2017 14:42	WG1026247
Dichlorodifluoromethane	U		0.0209	0.146	25	10/01/2017 14:42	WG1026247
1,1-Dichloroethane	U		0.00584	0.0293	25	10/01/2017 14:42	WG1026247
1,2-Dichloroethane	U		0.00776	0.0293	25	10/01/2017 14:42	WG1026247
1,1-Dichloroethene	U		0.00888	0.0293	25	10/01/2017 14:42	WG1026247
cis-1,2-Dichloroethene	1.37		0.00689	0.0293	25	10/01/2017 14:42	WG1026247
trans-1,2-Dichloroethene	U		0.00773	0.0293	25	10/01/2017 14:42	WG1026247
1,2-Dichloropropane	U		0.0105	0.0293	25	10/01/2017 14:42	WG1026247
1,1-Dichloropropene	U		0.00928	0.0293	25	10/01/2017 14:42	WG1026247
1,3-Dichloropropane	U		0.00607	0.0293	25	10/01/2017 14:42	WG1026247
cis-1,3-Dichloropropene	U		0.00768	0.0293	25	10/01/2017 14:42	WG1026247
trans-1,3-Dichloropropene	U		0.00783	0.0293	25	10/01/2017 14:42	WG1026247
trans-1,4-Dichloro-2-butene	U	J0	0.0227	0.0732	25	10/01/2017 14:42	WG1026247
2,2-Dichloropropane	U	J0	0.00818	0.0293	25	10/01/2017 14:42	WG1026247
Di-isopropyl ether	U	J0	0.00727	0.0293	25	10/01/2017 14:42	WG1026247
Ethylbenzene	U		0.00869	0.0293	25	10/01/2017 14:42	WG1026247
Hexachloro-1,3-butadiene	U		0.0100	0.0293	25	10/01/2017 14:42	WG1026247
2-Hexanone	U		0.0401	0.293	25	10/01/2017 14:42	WG1026247
n-Hexane	U	J0	0.00850	0.293	25	10/01/2017 14:42	WG1026247
Iodomethane	U		0.0741	0.293	25	10/01/2017 14:42	WG1026247
Isopropylbenzene	U		0.00712	0.0293	25	10/01/2017 14:42	WG1026247
p-Isopropyltoluene	U		0.00598	0.0293	25	10/01/2017 14:42	WG1026247
2-Butanone (MEK)	U		0.137	0.293	25	10/01/2017 14:42	WG1026247
Methylene Chloride	U		0.0293	0.146	25	10/01/2017 14:42	WG1026247
4-Methyl-2-pentanone (MIBK)	U	J0	0.0551	0.293	25	10/01/2017 14:42	WG1026247

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00621	0.0293	25	10/01/2017 14:42	WG1026247
Naphthalene	U		0.0293	0.146	25	10/01/2017 14:42	WG1026247
n-Propylbenzene	U		0.00603	0.0293	25	10/01/2017 14:42	WG1026247
Styrene	U		0.00686	0.0293	25	10/01/2017 14:42	WG1026247
1,1,1,2-Tetrachloroethane	U		0.00773	0.0293	25	10/01/2017 14:42	WG1026247
1,1,2,2-Tetrachloroethane	U		0.0107	0.0293	25	10/01/2017 14:42	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.0107	0.0293	25	10/01/2017 14:42	WG1026247
Tetrachloroethene	0.539		0.00809	0.0293	25	10/01/2017 14:42	WG1026247
Toluene	U		0.0127	0.146	25	10/01/2017 14:42	WG1026247
1,2,3-Trichlorobenzene	U		0.00896	0.0293	25	10/01/2017 14:42	WG1026247
1,2,4-Trichlorobenzene	U		0.0114	0.0293	25	10/01/2017 14:42	WG1026247
1,1,1-Trichloroethane	U		0.00838	0.0293	25	10/01/2017 14:42	WG1026247
1,1,2-Trichloroethane	U		0.00811	0.0293	25	10/01/2017 14:42	WG1026247
Trichloroethene	0.250		0.00818	0.0293	25	10/01/2017 14:42	WG1026247
Trichlorofluoromethane	U		0.0112	0.146	25	10/01/2017 14:42	WG1026247
1,2,3-Trichloropropane	U		0.0217	0.0732	25	10/01/2017 14:42	WG1026247
1,2,4-Trimethylbenzene	U		0.00619	0.0293	25	10/01/2017 14:42	WG1026247
1,2,3-Trimethylbenzene	U		0.00841	0.0293	25	10/01/2017 14:42	WG1026247
1,3,5-Trimethylbenzene	U		0.00779	0.0293	25	10/01/2017 14:42	WG1026247
Vinyl acetate	U		0.0701	0.293	25	10/01/2017 14:42	WG1026247
Vinyl chloride	0.0805		0.00853	0.0293	25	10/01/2017 14:42	WG1026247
Xylenes, Total	U		0.0204	0.0879	25	10/01/2017 14:42	WG1026247
(S) Toluene-d8	*113*			*80.0-120*		*10/01/2017 14:42*	WG1026247
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*10/01/2017 14:42*	WG1026247
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*10/01/2017 14:42*	WG1026247

Sample Narrative:

L938636-02 WG1026247: Target compound too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.9		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	11.5	57.5	1000	09/29/2017 19:48	WG1026247
Acrylonitrile	U	J0	2.06	11.5	1000	09/29/2017 19:48	WG1026247
Benzene	U		0.311	1.15	1000	09/29/2017 19:48	WG1026247
Bromobenzene	U		0.327	1.15	1000	09/29/2017 19:48	WG1026247
Bromodichloromethane	U		0.292	1.15	1000	09/29/2017 19:48	WG1026247
Bromochloromethane	U		0.449	5.75	1000	09/29/2017 19:48	WG1026247
Bromoform	U		0.488	1.15	1000	09/29/2017 19:48	WG1026247
Bromomethane	U	J0	1.54	5.75	1000	09/29/2017 19:48	WG1026247
n-Butylbenzene	U		0.297	1.15	1000	09/29/2017 19:48	WG1026247
sec-Butylbenzene	U		0.231	1.15	1000	09/29/2017 19:48	WG1026247
tert-Butylbenzene	U		0.237	1.15	1000	09/29/2017 19:48	WG1026247
Carbon disulfide	U		0.254	1.15	1000	09/29/2017 19:48	WG1026247
Carbon tetrachloride	U		0.377	1.15	1000	09/29/2017 19:48	WG1026247
Chlorobenzene	U		0.244	1.15	1000	09/29/2017 19:48	WG1026247
Chlorodibromomethane	U		0.429	1.15	1000	09/29/2017 19:48	WG1026247
Chloroethane	U		1.09	5.75	1000	09/29/2017 19:48	WG1026247
Chloroform	U		0.263	5.75	1000	09/29/2017 19:48	WG1026247
Chloromethane	U		0.431	2.88	1000	09/29/2017 19:48	WG1026247
2-Chlorotoluene	U		0.346	1.15	1000	09/29/2017 19:48	WG1026247
4-Chlorotoluene	U		0.276	1.15	1000	09/29/2017 19:48	WG1026247
1,2-Dibromo-3-Chloropropane	U		1.21	5.75	1000	09/29/2017 19:48	WG1026247
1,2-Dibromoethane	U		0.395	1.15	1000	09/29/2017 19:48	WG1026247
Dibromomethane	U		0.439	1.15	1000	09/29/2017 19:48	WG1026247
1,2-Dichlorobenzene	U		0.351	1.15	1000	09/29/2017 19:48	WG1026247
1,3-Dichlorobenzene	U		0.275	1.15	1000	09/29/2017 19:48	WG1026247
1,4-Dichlorobenzene	U		0.260	1.15	1000	09/29/2017 19:48	WG1026247
Dichlorodifluoromethane	U		0.820	5.75	1000	09/29/2017 19:48	WG1026247
1,1-Dichloroethane	U		0.229	1.15	1000	09/29/2017 19:48	WG1026247
1,2-Dichloroethane	U		0.305	1.15	1000	09/29/2017 19:48	WG1026247
1,1-Dichloroethene	U		0.349	1.15	1000	09/29/2017 19:48	WG1026247
cis-1,2-Dichloroethene	2.56		0.270	1.15	1000	09/29/2017 19:48	WG1026247
trans-1,2-Dichloroethene	U		0.304	1.15	1000	09/29/2017 19:48	WG1026247
1,2-Dichloropropane	U		0.412	1.15	1000	09/29/2017 19:48	WG1026247
1,1-Dichloropropene	U		0.365	1.15	1000	09/29/2017 19:48	WG1026247
1,3-Dichloropropane	U		0.238	1.15	1000	09/29/2017 19:48	WG1026247
cis-1,3-Dichloropropene	U		0.301	1.15	1000	09/29/2017 19:48	WG1026247
trans-1,3-Dichloropropene	U		0.307	1.15	1000	09/29/2017 19:48	WG1026247
trans-1,4-Dichloro-2-butene	U		0.895	2.88	1000	09/29/2017 19:48	WG1026247
2,2-Dichloropropane	U		0.321	1.15	1000	09/29/2017 19:48	WG1026247
Di-isopropyl ether	U		0.285	1.15	1000	09/29/2017 19:48	WG1026247
Ethylbenzene	U		0.342	1.15	1000	09/29/2017 19:48	WG1026247
Hexachloro-1,3-butadiene	U		0.393	1.15	1000	09/29/2017 19:48	WG1026247
2-Hexanone	U	J0	1.58	11.5	1000	09/29/2017 19:48	WG1026247
n-Hexane	U		0.334	11.5	1000	09/29/2017 19:48	WG1026247
Iodomethane	U		2.91	11.5	1000	09/29/2017 19:48	WG1026247
Isopropylbenzene	U		0.280	1.15	1000	09/29/2017 19:48	WG1026247
p-Isopropyltoluene	U		0.235	1.15	1000	09/29/2017 19:48	WG1026247
2-Butanone (MEK)	U	J0	5.38	11.5	1000	09/29/2017 19:48	WG1026247
Methylene Chloride	U		1.15	5.75	1000	09/29/2017 19:48	WG1026247
4-Methyl-2-pentanone (MIBK)	U	J0	2.16	11.5	1000	09/29/2017 19:48	WG1026247

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	J0	0.244	1.15	1000	09/29/2017 19:48	WG1026247
Naphthalene	U		1.15	5.75	1000	09/29/2017 19:48	WG1026247
n-Propylbenzene	U		0.237	1.15	1000	09/29/2017 19:48	WG1026247
Styrene	U		0.269	1.15	1000	09/29/2017 19:48	WG1026247
1,1,1,2-Tetrachloroethane	U		0.304	1.15	1000	09/29/2017 19:48	WG1026247
1,1,2,2-Tetrachloroethane	U		0.420	1.15	1000	09/29/2017 19:48	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.420	1.15	1000	09/29/2017 19:48	WG1026247
Tetrachloroethene	25.8		0.318	1.15	1000	09/29/2017 19:48	WG1026247
Toluene	U		0.499	5.75	1000	09/29/2017 19:48	WG1026247
1,2,3-Trichlorobenzene	U		0.352	1.15	1000	09/29/2017 19:48	WG1026247
1,2,4-Trichlorobenzene	U		0.446	1.15	1000	09/29/2017 19:48	WG1026247
1,1,1-Trichloroethane	U		0.329	1.15	1000	09/29/2017 19:48	WG1026247
1,1,2-Trichloroethane	U		0.319	1.15	1000	09/29/2017 19:48	WG1026247
Trichloroethene	0.984	J	0.321	1.15	1000	09/29/2017 19:48	WG1026247
Trichlorofluoromethane	U		0.439	5.75	1000	09/29/2017 19:48	WG1026247
1,2,3-Trichloropropane	U		0.852	2.88	1000	09/29/2017 19:48	WG1026247
1,2,4-Trimethylbenzene	U		0.243	1.15	1000	09/29/2017 19:48	WG1026247
1,2,3-Trimethylbenzene	U		0.330	1.15	1000	09/29/2017 19:48	WG1026247
1,3,5-Trimethylbenzene	U		0.306	1.15	1000	09/29/2017 19:48	WG1026247
Vinyl acetate	U		2.75	11.5	1000	09/29/2017 19:48	WG1026247
Vinyl chloride	U		0.335	1.15	1000	09/29/2017 19:48	WG1026247
Xylenes, Total	U		0.803	3.45	1000	09/29/2017 19:48	WG1026247
(S) Toluene-d8	*116*			*80.0-120*		*09/29/2017 19:48*	WG1026247
(S) Dibromofluoromethane	*99.6*			*74.0-131*		*09/29/2017 19:48*	WG1026247
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/29/2017 19:48*	WG1026247

Sample Narrative:

L938636-03 WG1026247: Target compound too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	11.2	56.0	1000	09/29/2017 20:08	WG1026247
Acrylonitrile	U	J0	2.00	11.2	1000	09/29/2017 20:08	WG1026247
Benzene	U		0.302	1.12	1000	09/29/2017 20:08	WG1026247
Bromobenzene	U		0.318	1.12	1000	09/29/2017 20:08	WG1026247
Bromodichloromethane	U		0.284	1.12	1000	09/29/2017 20:08	WG1026247
Bromochloromethane	U		0.437	5.60	1000	09/29/2017 20:08	WG1026247
Bromoform	U		0.475	1.12	1000	09/29/2017 20:08	WG1026247
Bromomethane	U	J0	1.50	5.60	1000	09/29/2017 20:08	WG1026247
n-Butylbenzene	U		0.289	1.12	1000	09/29/2017 20:08	WG1026247
sec-Butylbenzene	U		0.225	1.12	1000	09/29/2017 20:08	WG1026247
tert-Butylbenzene	U		0.231	1.12	1000	09/29/2017 20:08	WG1026247
Carbon disulfide	U		0.247	1.12	1000	09/29/2017 20:08	WG1026247
Carbon tetrachloride	U		0.367	1.12	1000	09/29/2017 20:08	WG1026247
Chlorobenzene	U		0.237	1.12	1000	09/29/2017 20:08	WG1026247
Chlorodibromomethane	U		0.418	1.12	1000	09/29/2017 20:08	WG1026247
Chloroethane	U		1.06	5.60	1000	09/29/2017 20:08	WG1026247
Chloroform	U		0.256	5.60	1000	09/29/2017 20:08	WG1026247
Chloromethane	U		0.420	2.80	1000	09/29/2017 20:08	WG1026247
2-Chlorotoluene	U		0.337	1.12	1000	09/29/2017 20:08	WG1026247
4-Chlorotoluene	U		0.269	1.12	1000	09/29/2017 20:08	WG1026247
1,2-Dibromo-3-Chloropropane	U		1.18	5.60	1000	09/29/2017 20:08	WG1026247
1,2-Dibromoethane	U		0.384	1.12	1000	09/29/2017 20:08	WG1026247
Dibromomethane	U		0.428	1.12	1000	09/29/2017 20:08	WG1026247
1,2-Dichlorobenzene	U		0.341	1.12	1000	09/29/2017 20:08	WG1026247
1,3-Dichlorobenzene	U		0.268	1.12	1000	09/29/2017 20:08	WG1026247
1,4-Dichlorobenzene	U		0.253	1.12	1000	09/29/2017 20:08	WG1026247
Dichlorodifluoromethane	U		0.798	5.60	1000	09/29/2017 20:08	WG1026247
1,1-Dichloroethane	U		0.223	1.12	1000	09/29/2017 20:08	WG1026247
1,2-Dichloroethane	U		0.297	1.12	1000	09/29/2017 20:08	WG1026247
1,1-Dichloroethene	U		0.339	1.12	1000	09/29/2017 20:08	WG1026247
cis-1,2-Dichloroethene	1.93		0.263	1.12	1000	09/29/2017 20:08	WG1026247
trans-1,2-Dichloroethene	U		0.296	1.12	1000	09/29/2017 20:08	WG1026247
1,2-Dichloropropane	U		0.401	1.12	1000	09/29/2017 20:08	WG1026247
1,1-Dichloropropene	U		0.355	1.12	1000	09/29/2017 20:08	WG1026247
1,3-Dichloropropane	U		0.232	1.12	1000	09/29/2017 20:08	WG1026247
cis-1,3-Dichloropropene	U		0.293	1.12	1000	09/29/2017 20:08	WG1026247
trans-1,3-Dichloropropene	U		0.299	1.12	1000	09/29/2017 20:08	WG1026247
trans-1,4-Dichloro-2-butene	U		0.871	2.80	1000	09/29/2017 20:08	WG1026247
2,2-Dichloropropane	U		0.312	1.12	1000	09/29/2017 20:08	WG1026247
Di-isopropyl ether	U		0.278	1.12	1000	09/29/2017 20:08	WG1026247
Ethylbenzene	U		0.332	1.12	1000	09/29/2017 20:08	WG1026247
Hexachloro-1,3-butadiene	U		0.383	1.12	1000	09/29/2017 20:08	WG1026247
2-Hexanone	U	J0	1.53	11.2	1000	09/29/2017 20:08	WG1026247
n-Hexane	U		0.325	11.2	1000	09/29/2017 20:08	WG1026247
Iodomethane	U		2.83	11.2	1000	09/29/2017 20:08	WG1026247
Isopropylbenzene	U		0.272	1.12	1000	09/29/2017 20:08	WG1026247
p-Isopropyltoluene	U		0.228	1.12	1000	09/29/2017 20:08	WG1026247
2-Butanone (MEK)	U	J0	5.24	11.2	1000	09/29/2017 20:08	WG1026247
Methylene Chloride	U		1.12	5.60	1000	09/29/2017 20:08	WG1026247
4-Methyl-2-pentanone (MIBK)	U	J0	2.10	11.2	1000	09/29/2017 20:08	WG1026247

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J0	0.237	1.12	1000	09/29/2017 20:08	WG1026247
Naphthalene	U		1.12	5.60	1000	09/29/2017 20:08	WG1026247
n-Propylbenzene	U		0.231	1.12	1000	09/29/2017 20:08	WG1026247
Styrene	U		0.262	1.12	1000	09/29/2017 20:08	WG1026247
1,1,1,2-Tetrachloroethane	U		0.296	1.12	1000	09/29/2017 20:08	WG1026247
1,1,2,2-Tetrachloroethane	U		0.409	1.12	1000	09/29/2017 20:08	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.409	1.12	1000	09/29/2017 20:08	WG1026247
Tetrachloroethene	21.8		0.309	1.12	1000	09/29/2017 20:08	WG1026247
Toluene	U		0.486	5.60	1000	09/29/2017 20:08	WG1026247
1,2,3-Trichlorobenzene	U		0.343	1.12	1000	09/29/2017 20:08	WG1026247
1,2,4-Trichlorobenzene	U		0.434	1.12	1000	09/29/2017 20:08	WG1026247
1,1,1-Trichloroethane	U		0.320	1.12	1000	09/29/2017 20:08	WG1026247
1,1,2-Trichloroethane	U		0.310	1.12	1000	09/29/2017 20:08	WG1026247
Trichloroethene	0.835	J	0.312	1.12	1000	09/29/2017 20:08	WG1026247
Trichlorofluoromethane	U		0.428	5.60	1000	09/29/2017 20:08	WG1026247
1,2,3-Trichloropropane	U		0.829	2.80	1000	09/29/2017 20:08	WG1026247
1,2,4-Trimethylbenzene	U		0.236	1.12	1000	09/29/2017 20:08	WG1026247
1,2,3-Trimethylbenzene	U		0.321	1.12	1000	09/29/2017 20:08	WG1026247
1,3,5-Trimethylbenzene	U		0.298	1.12	1000	09/29/2017 20:08	WG1026247
Vinyl acetate	U		2.68	11.2	1000	09/29/2017 20:08	WG1026247
Vinyl chloride	U		0.326	1.12	1000	09/29/2017 20:08	WG1026247
Xylenes, Total	U		0.781	3.36	1000	09/29/2017 20:08	WG1026247
(S) Toluene-d8	*116*			*80.0-120*		*09/29/2017 20:08*	WG1026247
(S) Dibromofluoromethane	*101*			*74.0-131*		*09/29/2017 20:08*	WG1026247
(S) 4-Bromofluorobenzene	*111*			*64.0-132*		*09/29/2017 20:08*	WG1026247

Sample Narrative:

L938636-04 WG1026247: Target compound too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	2.35	11.8	200	10/01/2017 15:21	WG1026247
Acrylonitrile	U		0.421	2.35	200	10/01/2017 15:21	WG1026247
Benzene	U		0.0635	0.235	200	10/01/2017 15:21	WG1026247
Bromobenzene	U		0.0668	0.235	200	10/01/2017 15:21	WG1026247
Bromodichloromethane	U		0.0597	0.235	200	10/01/2017 15:21	WG1026247
Bromochloromethane	U		0.0917	1.18	200	10/01/2017 15:21	WG1026247
Bromoform	U		0.0997	0.235	200	10/01/2017 15:21	WG1026247
Bromomethane	U		0.315	1.18	200	10/01/2017 15:21	WG1026247
n-Butylbenzene	U		0.0607	0.235	200	10/01/2017 15:21	WG1026247
sec-Butylbenzene	U		0.0473	0.235	200	10/01/2017 15:21	WG1026247
tert-Butylbenzene	U		0.0484	0.235	200	10/01/2017 15:21	WG1026247
Carbon disulfide	U		0.0520	0.235	200	10/01/2017 15:21	WG1026247
Carbon tetrachloride	U		0.0771	0.235	200	10/01/2017 15:21	WG1026247
Chlorobenzene	U		0.0499	0.235	200	10/01/2017 15:21	WG1026247
Chlorodibromomethane	U		0.0877	0.235	200	10/01/2017 15:21	WG1026247
Chloroethane	U		0.222	1.18	200	10/01/2017 15:21	WG1026247
Chloroform	U		0.0539	1.18	200	10/01/2017 15:21	WG1026247
Chloromethane	U		0.0882	0.588	200	10/01/2017 15:21	WG1026247
2-Chlorotoluene	U		0.0708	0.235	200	10/01/2017 15:21	WG1026247
4-Chlorotoluene	U		0.0564	0.235	200	10/01/2017 15:21	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.247	1.18	200	10/01/2017 15:21	WG1026247
1,2-Dibromoethane	U		0.0807	0.235	200	10/01/2017 15:21	WG1026247
Dibromomethane	U		0.0898	0.235	200	10/01/2017 15:21	WG1026247
1,2-Dichlorobenzene	U		0.0717	0.235	200	10/01/2017 15:21	WG1026247
1,3-Dichlorobenzene	U		0.0562	0.235	200	10/01/2017 15:21	WG1026247
1,4-Dichlorobenzene	U		0.0531	0.235	200	10/01/2017 15:21	WG1026247
Dichlorodifluoromethane	U		0.168	1.18	200	10/01/2017 15:21	WG1026247
1,1-Dichloroethane	U		0.0468	0.235	200	10/01/2017 15:21	WG1026247
1,2-Dichloroethane	U		0.0623	0.235	200	10/01/2017 15:21	WG1026247
1,1-Dichloroethene	U		0.0713	0.235	200	10/01/2017 15:21	WG1026247
cis-1,2-Dichloroethene	0.438		0.0553	0.235	200	10/01/2017 15:21	WG1026247
trans-1,2-Dichloroethene	U		0.0621	0.235	200	10/01/2017 15:21	WG1026247
1,2-Dichloropropane	U		0.0842	0.235	200	10/01/2017 15:21	WG1026247
1,1-Dichloropropene	U		0.0745	0.235	200	10/01/2017 15:21	WG1026247
1,3-Dichloropropane	U		0.0487	0.235	200	10/01/2017 15:21	WG1026247
cis-1,3-Dichloropropene	U		0.0616	0.235	200	10/01/2017 15:21	WG1026247
trans-1,3-Dichloropropene	U		0.0628	0.235	200	10/01/2017 15:21	WG1026247
trans-1,4-Dichloro-2-butene	U	J0	0.183	0.588	200	10/01/2017 15:21	WG1026247
2,2-Dichloropropane	U	J0	0.0656	0.235	200	10/01/2017 15:21	WG1026247
Di-isopropyl ether	U	J0	0.0583	0.235	200	10/01/2017 15:21	WG1026247
Ethylbenzene	U		0.0698	0.235	200	10/01/2017 15:21	WG1026247
Hexachloro-1,3-butadiene	U		0.0804	0.235	200	10/01/2017 15:21	WG1026247
2-Hexanone	U		0.322	2.35	200	10/01/2017 15:21	WG1026247
n-Hexane	U	J0	0.0682	2.35	200	10/01/2017 15:21	WG1026247
Iodomethane	U		0.595	2.35	200	10/01/2017 15:21	WG1026247
Isopropylbenzene	U		0.0571	0.235	200	10/01/2017 15:21	WG1026247
p-Isopropyltoluene	U		0.0480	0.235	200	10/01/2017 15:21	WG1026247
2-Butanone (MEK)	U		1.10	2.35	200	10/01/2017 15:21	WG1026247
Methylene Chloride	U		0.235	1.18	200	10/01/2017 15:21	WG1026247
4-Methyl-2-pentanone (MIBK)	U	J0	0.442	2.35	200	10/01/2017 15:21	WG1026247

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0499	0.235	200	10/01/2017 15:21	WG1026247
Naphthalene	U		0.235	1.18	200	10/01/2017 15:21	WG1026247
n-Propylbenzene	U		0.0484	0.235	200	10/01/2017 15:21	WG1026247
Styrene	U		0.0550	0.235	200	10/01/2017 15:21	WG1026247
1,1,1,2-Tetrachloroethane	U		0.0621	0.235	200	10/01/2017 15:21	WG1026247
1,1,2,2-Tetrachloroethane	U		0.0858	0.235	200	10/01/2017 15:21	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.0858	0.235	200	10/01/2017 15:21	WG1026247
Tetrachloroethene	9.02		0.0649	0.235	200	10/01/2017 15:21	WG1026247
Toluene	U		0.102	1.18	200	10/01/2017 15:21	WG1026247
1,2,3-Trichlorobenzene	U		0.0720	0.235	200	10/01/2017 15:21	WG1026247
1,2,4-Trichlorobenzene	U		0.0912	0.235	200	10/01/2017 15:21	WG1026247
1,1,1-Trichloroethane	U		0.0673	0.235	200	10/01/2017 15:21	WG1026247
1,1,2-Trichloroethane	U		0.0651	0.235	200	10/01/2017 15:21	WG1026247
Trichloroethene	0.447		0.0656	0.235	200	10/01/2017 15:21	WG1026247
Trichlorofluoromethane	U		0.0898	1.18	200	10/01/2017 15:21	WG1026247
1,2,3-Trichloropropane	U		0.174	0.588	200	10/01/2017 15:21	WG1026247
1,2,4-Trimethylbenzene	U		0.0496	0.235	200	10/01/2017 15:21	WG1026247
1,2,3-Trimethylbenzene	U		0.0675	0.235	200	10/01/2017 15:21	WG1026247
1,3,5-Trimethylbenzene	U		0.0626	0.235	200	10/01/2017 15:21	WG1026247
Vinyl acetate	U		0.562	2.35	200	10/01/2017 15:21	WG1026247
Vinyl chloride	U		0.0684	0.235	200	10/01/2017 15:21	WG1026247
Xylenes, Total	U		0.165	0.705	200	10/01/2017 15:21	WG1026247
(S) Toluene-d8	*104*			*80.0-120*		*10/01/2017 15:21*	WG1026247
(S) Dibromofluoromethane	*103*			*74.0-131*		*10/01/2017 15:21*	WG1026247
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 15:21*	WG1026247

Sample Narrative:

L938636-05 WG1026247: Target compound too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	110	548	10000	09/29/2017 20:47	WG1026247
Acrylonitrile	U	J0	19.6	110	10000	09/29/2017 20:47	WG1026247
Benzene	U		2.96	11.0	10000	09/29/2017 20:47	WG1026247
Bromobenzene	U		3.11	11.0	10000	09/29/2017 20:47	WG1026247
Bromodichloromethane	U		2.79	11.0	10000	09/29/2017 20:47	WG1026247
Bromochloromethane	U		4.28	54.8	10000	09/29/2017 20:47	WG1026247
Bromoform	U		4.65	11.0	10000	09/29/2017 20:47	WG1026247
Bromomethane	U	J0	14.7	54.8	10000	09/29/2017 20:47	WG1026247
n-Butylbenzene	U		2.83	11.0	10000	09/29/2017 20:47	WG1026247
sec-Butylbenzene	U		2.20	11.0	10000	09/29/2017 20:47	WG1026247
tert-Butylbenzene	U		2.26	11.0	10000	09/29/2017 20:47	WG1026247
Carbon disulfide	U		2.42	11.0	10000	09/29/2017 20:47	WG1026247
Carbon tetrachloride	U		3.60	11.0	10000	09/29/2017 20:47	WG1026247
Chlorobenzene	U		2.33	11.0	10000	09/29/2017 20:47	WG1026247
Chlorodibromomethane	U		4.09	11.0	10000	09/29/2017 20:47	WG1026247
Chloroethane	U		10.4	54.8	10000	09/29/2017 20:47	WG1026247
Chloroform	U		2.51	54.8	10000	09/29/2017 20:47	WG1026247
Chloromethane	U		4.11	27.4	10000	09/29/2017 20:47	WG1026247
2-Chlorotoluene	U		3.30	11.0	10000	09/29/2017 20:47	WG1026247
4-Chlorotoluene	U		2.63	11.0	10000	09/29/2017 20:47	WG1026247
1,2-Dibromo-3-Chloropropane	U		11.5	54.8	10000	09/29/2017 20:47	WG1026247
1,2-Dibromoethane	U		3.76	11.0	10000	09/29/2017 20:47	WG1026247
Dibromomethane	U		4.19	11.0	10000	09/29/2017 20:47	WG1026247
1,2-Dichlorobenzene	U		3.35	11.0	10000	09/29/2017 20:47	WG1026247
1,3-Dichlorobenzene	U		2.62	11.0	10000	09/29/2017 20:47	WG1026247
1,4-Dichlorobenzene	U		2.48	11.0	10000	09/29/2017 20:47	WG1026247
Dichlorodifluoromethane	U		7.82	54.8	10000	09/29/2017 20:47	WG1026247
1,1-Dichloroethane	U		2.18	11.0	10000	09/29/2017 20:47	WG1026247
1,2-Dichloroethane	U		2.91	11.0	10000	09/29/2017 20:47	WG1026247
1,1-Dichloroethene	U		3.32	11.0	10000	09/29/2017 20:47	WG1026247
cis-1,2-Dichloroethene	U		2.58	11.0	10000	09/29/2017 20:47	WG1026247
trans-1,2-Dichloroethene	U		2.90	11.0	10000	09/29/2017 20:47	WG1026247
1,2-Dichloropropane	U		3.93	11.0	10000	09/29/2017 20:47	WG1026247
1,1-Dichloropropene	U		3.48	11.0	10000	09/29/2017 20:47	WG1026247
1,3-Dichloropropane	U		2.27	11.0	10000	09/29/2017 20:47	WG1026247
cis-1,3-Dichloropropene	U		2.87	11.0	10000	09/29/2017 20:47	WG1026247
trans-1,3-Dichloropropene	U		2.93	11.0	10000	09/29/2017 20:47	WG1026247
trans-1,4-Dichloro-2-butene	U		8.53	27.4	10000	09/29/2017 20:47	WG1026247
2,2-Dichloropropane	U		3.06	11.0	10000	09/29/2017 20:47	WG1026247
Di-isopropyl ether	U		2.72	11.0	10000	09/29/2017 20:47	WG1026247
Ethylbenzene	U		3.26	11.0	10000	09/29/2017 20:47	WG1026247
Hexachloro-1,3-butadiene	U		3.75	11.0	10000	09/29/2017 20:47	WG1026247
2-Hexanone	U	J0	15.0	110	10000	09/29/2017 20:47	WG1026247
n-Hexane	U		3.18	110	10000	09/29/2017 20:47	WG1026247
Iodomethane	U		27.7	110	10000	09/29/2017 20:47	WG1026247
Isopropylbenzene	U		2.67	11.0	10000	09/29/2017 20:47	WG1026247
p-Isopropyltoluene	U		2.24	11.0	10000	09/29/2017 20:47	WG1026247
2-Butanone (MEK)	U	J0	51.3	110	10000	09/29/2017 20:47	WG1026247
Methylene Chloride	U		11.0	54.8	10000	09/29/2017 20:47	WG1026247
4-Methyl-2-pentanone (MIBK)	U	J0	20.6	110	10000	09/29/2017 20:47	WG1026247

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U	J0	2.33	11.0	10000	09/29/2017 20:47	WG1026247
Naphthalene	U		11.0	54.8	10000	09/29/2017 20:47	WG1026247
n-Propylbenzene	U		2.26	11.0	10000	09/29/2017 20:47	WG1026247
Styrene	U		2.57	11.0	10000	09/29/2017 20:47	WG1026247
1,1,1,2-Tetrachloroethane	U		2.90	11.0	10000	09/29/2017 20:47	WG1026247
1,1,2,2-Tetrachloroethane	U		4.00	11.0	10000	09/29/2017 20:47	WG1026247
1,1,2-Trichlorotrifluoroethane	U		4.00	11.0	10000	09/29/2017 20:47	WG1026247
Tetrachloroethene	8270		60.5	219	200000	10/01/2017 16:20	WG1026247
Toluene	U		4.76	54.8	10000	09/29/2017 20:47	WG1026247
1,2,3-Trichlorobenzene	U		3.36	11.0	10000	09/29/2017 20:47	WG1026247
1,2,4-Trichlorobenzene	U		4.26	11.0	10000	09/29/2017 20:47	WG1026247
1,1,1-Trichloroethane	U		3.14	11.0	10000	09/29/2017 20:47	WG1026247
1,1,2-Trichloroethane	U		3.04	11.0	10000	09/29/2017 20:47	WG1026247
Trichloroethene	4.43	J	3.06	11.0	10000	09/29/2017 20:47	WG1026247
Trichlorofluoromethane	U		4.19	54.8	10000	09/29/2017 20:47	WG1026247
1,2,3-Trichloropropane	U		8.13	27.4	10000	09/29/2017 20:47	WG1026247
1,2,4-Trimethylbenzene	U		2.31	11.0	10000	09/29/2017 20:47	WG1026247
1,2,3-Trimethylbenzene	U		3.15	11.0	10000	09/29/2017 20:47	WG1026247
1,3,5-Trimethylbenzene	U		2.92	11.0	10000	09/29/2017 20:47	WG1026247
Vinyl acetate	U		26.2	110	10000	09/29/2017 20:47	WG1026247
Vinyl chloride	U		3.19	11.0	10000	09/29/2017 20:47	WG1026247
Xylenes, Total	U		7.66	32.9	10000	09/29/2017 20:47	WG1026247
(S) Toluene-d8	*108*			*80.0-120*		*10/01/2017 16:20*	WG1026247
(S) Toluene-d8	*116*			*80.0-120*		*09/29/2017 20:47*	WG1026247
(S) Dibromofluoromethane	*99.5*			*74.0-131*		*10/01/2017 16:20*	WG1026247
(S) Dibromofluoromethane	*102*			*74.0-131*		*09/29/2017 20:47*	WG1026247
(S) 4-Bromofluorobenzene	*110*			*64.0-132*		*09/29/2017 20:47*	WG1026247
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*10/01/2017 16:20*	WG1026247

Sample Narrative:

L938636-06 WG1026247: Target compound too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	5.44	27.2	500	10/01/2017 15:41	WG1026247
Acrylonitrile	U		0.973	5.44	500	10/01/2017 15:41	WG1026247
Benzene	U		0.147	0.544	500	10/01/2017 15:41	WG1026247
Bromobenzene	U		0.154	0.544	500	10/01/2017 15:41	WG1026247
Bromodichloromethane	U		0.138	0.544	500	10/01/2017 15:41	WG1026247
Bromochloromethane	U		0.212	2.72	500	10/01/2017 15:41	WG1026247
Bromoform	U		0.231	0.544	500	10/01/2017 15:41	WG1026247
Bromomethane	U		0.729	2.72	500	10/01/2017 15:41	WG1026247
n-Butylbenzene	U		0.140	0.544	500	10/01/2017 15:41	WG1026247
sec-Butylbenzene	U		0.109	0.544	500	10/01/2017 15:41	WG1026247
tert-Butylbenzene	U		0.112	0.544	500	10/01/2017 15:41	WG1026247
Carbon disulfide	U		0.120	0.544	500	10/01/2017 15:41	WG1026247
Carbon tetrachloride	U		0.178	0.544	500	10/01/2017 15:41	WG1026247
Chlorobenzene	U		0.115	0.544	500	10/01/2017 15:41	WG1026247
Chlorodibromomethane	U		0.202	0.544	500	10/01/2017 15:41	WG1026247
Chloroethane	U		0.514	2.72	500	10/01/2017 15:41	WG1026247
Chloroform	U		0.124	2.72	500	10/01/2017 15:41	WG1026247
Chloromethane	U		0.204	1.36	500	10/01/2017 15:41	WG1026247
2-Chlorotoluene	U		0.163	0.544	500	10/01/2017 15:41	WG1026247
4-Chlorotoluene	U		0.131	0.544	500	10/01/2017 15:41	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.571	2.72	500	10/01/2017 15:41	WG1026247
1,2-Dibromoethane	U		0.187	0.544	500	10/01/2017 15:41	WG1026247
Dibromomethane	U		0.208	0.544	500	10/01/2017 15:41	WG1026247
1,2-Dichlorobenzene	U		0.165	0.544	500	10/01/2017 15:41	WG1026247
1,3-Dichlorobenzene	U		0.131	0.544	500	10/01/2017 15:41	WG1026247
1,4-Dichlorobenzene	U		0.123	0.544	500	10/01/2017 15:41	WG1026247
Dichlorodifluoromethane	U		0.387	2.72	500	10/01/2017 15:41	WG1026247
1,1-Dichloroethane	U		0.108	0.544	500	10/01/2017 15:41	WG1026247
1,2-Dichloroethane	U		0.144	0.544	500	10/01/2017 15:41	WG1026247
1,1-Dichloroethene	U		0.165	0.544	500	10/01/2017 15:41	WG1026247
cis-1,2-Dichloroethene	0.561		0.128	0.544	500	10/01/2017 15:41	WG1026247
trans-1,2-Dichloroethene	U		0.144	0.544	500	10/01/2017 15:41	WG1026247
1,2-Dichloropropane	U		0.195	0.544	500	10/01/2017 15:41	WG1026247
1,1-Dichloropropene	U		0.172	0.544	500	10/01/2017 15:41	WG1026247
1,3-Dichloropropane	U		0.113	0.544	500	10/01/2017 15:41	WG1026247
cis-1,3-Dichloropropene	U		0.142	0.544	500	10/01/2017 15:41	WG1026247
trans-1,3-Dichloropropene	U		0.146	0.544	500	10/01/2017 15:41	WG1026247
trans-1,4-Dichloro-2-butene	U	J0	0.423	1.36	500	10/01/2017 15:41	WG1026247
2,2-Dichloropropane	U	J0	0.152	0.544	500	10/01/2017 15:41	WG1026247
Di-isopropyl ether	U	J0	0.135	0.544	500	10/01/2017 15:41	WG1026247
Ethylbenzene	U		0.161	0.544	500	10/01/2017 15:41	WG1026247
Hexachloro-1,3-butadiene	U		0.186	0.544	500	10/01/2017 15:41	WG1026247
2-Hexanone	U		0.745	5.44	500	10/01/2017 15:41	WG1026247
n-Hexane	U	J0	0.158	5.44	500	10/01/2017 15:41	WG1026247
Iodomethane	U		1.37	5.44	500	10/01/2017 15:41	WG1026247
Isopropylbenzene	U		0.133	0.544	500	10/01/2017 15:41	WG1026247
p-Isopropyltoluene	U		0.111	0.544	500	10/01/2017 15:41	WG1026247
2-Butanone (MEK)	U		2.54	5.44	500	10/01/2017 15:41	WG1026247
Methylene Chloride	U		0.544	2.72	500	10/01/2017 15:41	WG1026247
4-Methyl-2-pentanone (MIBK)	U	J0	1.02	5.44	500	10/01/2017 15:41	WG1026247

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.115	0.544	500	10/01/2017 15:41	WG1026247
Naphthalene	U		0.544	2.72	500	10/01/2017 15:41	WG1026247
n-Propylbenzene	U		0.112	0.544	500	10/01/2017 15:41	WG1026247
Styrene	U		0.127	0.544	500	10/01/2017 15:41	WG1026247
1,1,1,2-Tetrachloroethane	U		0.144	0.544	500	10/01/2017 15:41	WG1026247
1,1,2,2-Tetrachloroethane	U		0.198	0.544	500	10/01/2017 15:41	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.198	0.544	500	10/01/2017 15:41	WG1026247
Tetrachloroethene	30.4		0.150	0.544	500	10/01/2017 15:41	WG1026247
Toluene	U		0.236	2.72	500	10/01/2017 15:41	WG1026247
1,2,3-Trichlorobenzene	U		0.166	0.544	500	10/01/2017 15:41	WG1026247
1,2,4-Trichlorobenzene	U		0.211	0.544	500	10/01/2017 15:41	WG1026247
1,1,1-Trichloroethane	U		0.156	0.544	500	10/01/2017 15:41	WG1026247
1,1,2-Trichloroethane	U		0.150	0.544	500	10/01/2017 15:41	WG1026247
Trichloroethene	0.618		0.152	0.544	500	10/01/2017 15:41	WG1026247
Trichlorofluoromethane	U		0.208	2.72	500	10/01/2017 15:41	WG1026247
1,2,3-Trichloropropane	U		0.402	1.36	500	10/01/2017 15:41	WG1026247
1,2,4-Trimethylbenzene	U		0.115	0.544	500	10/01/2017 15:41	WG1026247
1,2,3-Trimethylbenzene	U		0.157	0.544	500	10/01/2017 15:41	WG1026247
1,3,5-Trimethylbenzene	U		0.145	0.544	500	10/01/2017 15:41	WG1026247
Vinyl acetate	U		1.31	5.44	500	10/01/2017 15:41	WG1026247
Vinyl chloride	U		0.159	0.544	500	10/01/2017 15:41	WG1026247
Xylenes, Total	U		0.380	1.63	500	10/01/2017 15:41	WG1026247
(S) Toluene-d8	*103*			*80.0-120*		*10/01/2017 15:41*	WG1026247
(S) Dibromofluoromethane	*102*			*74.0-131*		*10/01/2017 15:41*	WG1026247
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 15:41*	WG1026247

Sample Narrative:

L938636-07 WG1026247: Target compound 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	63.3	J	31.6	100	1	09/27/2017 19:54	WG1024796
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*77.0-122*		*09/27/2017 19:54*	WG1024796

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	5.55	J	2.10	50.0	2	09/27/2017 07:22	WG1024893
Acrylonitrile	U		1.75	10.0	2	09/27/2017 07:22	WG1024893
Benzene	U		0.179	1.00	2	09/27/2017 07:22	WG1024893
Bromobenzene	U		0.266	1.00	2	09/27/2017 07:22	WG1024893
Bromodichloromethane	U		0.160	1.00	2	09/27/2017 07:22	WG1024893
Bromochloromethane	U		0.290	1.00	2	09/27/2017 07:22	WG1024893
Bromoform	U		0.372	1.00	2	09/27/2017 07:22	WG1024893
Bromomethane	U		0.314	5.00	2	09/27/2017 07:22	WG1024893
n-Butylbenzene	U		0.286	1.00	2	09/27/2017 07:22	WG1024893
sec-Butylbenzene	U		0.268	1.00	2	09/27/2017 07:22	WG1024893
tert-Butylbenzene	U		0.366	1.00	2	09/27/2017 07:22	WG1024893
Carbon disulfide	U		0.202	1.00	2	09/27/2017 07:22	WG1024893
Carbon tetrachloride	U		0.318	1.00	2	09/27/2017 07:22	WG1024893
Chlorobenzene	U		0.280	1.00	2	09/27/2017 07:22	WG1024893
Chlorodibromomethane	U		0.256	1.00	2	09/27/2017 07:22	WG1024893
Chloroethane	U		0.282	5.00	2	09/27/2017 07:22	WG1024893
Chloroform	U		0.172	1.00	2	09/27/2017 07:22	WG1024893
Chloromethane	U		0.306	2.50	2	09/27/2017 07:22	WG1024893
2-Chlorotoluene	U		0.222	1.00	2	09/27/2017 07:22	WG1024893
4-Chlorotoluene	U		0.194	1.00	2	09/27/2017 07:22	WG1024893
1,2-Dibromo-3-Chloropropane	U		0.650	5.00	2	09/27/2017 07:22	WG1024893
1,2-Dibromoethane	U		0.386	1.00	2	09/27/2017 07:22	WG1024893
Dibromomethane	U		0.234	1.00	2	09/27/2017 07:22	WG1024893
1,2-Dichlorobenzene	U		0.202	1.00	2	09/27/2017 07:22	WG1024893
1,3-Dichlorobenzene	U		0.260	1.00	2	09/27/2017 07:22	WG1024893
1,4-Dichlorobenzene	U		0.242	1.00	2	09/27/2017 07:22	WG1024893
Dichlorodifluoromethane	U		0.254	5.00	2	09/27/2017 07:22	WG1024893
1,1-Dichloroethane	U		0.228	1.00	2	09/27/2017 07:22	WG1024893
1,2-Dichloroethane	U		0.216	1.00	2	09/27/2017 07:22	WG1024893
1,1-Dichloroethene	U		0.376	1.00	2	09/27/2017 07:22	WG1024893
cis-1,2-Dichloroethene	U		0.187	1.00	2	09/27/2017 07:22	WG1024893
trans-1,2-Dichloroethene	U		0.304	1.00	2	09/27/2017 07:22	WG1024893
1,2-Dichloropropane	U		0.380	1.00	2	09/27/2017 07:22	WG1024893
1,1-Dichloropropene	U		0.256	1.00	2	09/27/2017 07:22	WG1024893
1,3-Dichloropropane	U		0.294	2.00	2	09/27/2017 07:22	WG1024893
cis-1,3-Dichloropropene	U		0.195	1.00	2	09/27/2017 07:22	WG1024893
trans-1,3-Dichloropropene	U		0.444	1.00	2	09/27/2017 07:22	WG1024893
trans-1,4-Dichloro-2-butene	U		0.514	10.0	2	09/27/2017 07:22	WG1024893
2,2-Dichloropropane	U		0.186	1.00	2	09/27/2017 07:22	WG1024893
Di-isopropyl ether	U		0.185	1.00	2	09/27/2017 07:22	WG1024893
Ethylbenzene	U		0.316	1.00	2	09/27/2017 07:22	WG1024893
Hexachloro-1,3-butadiene	U		0.314	2.00	2	09/27/2017 07:22	WG1024893
2-Hexanone	U		1.51	10.0	2	09/27/2017 07:22	WG1024893
n-Hexane	1.91	J	0.610	10.0	2	09/27/2017 07:22	WG1024893
Iodomethane	U		0.754	20.0	2	09/27/2017 07:22	WG1024893
Isopropylbenzene	U		0.252	1.00	2	09/27/2017 07:22	WG1024893
p-Isopropyltoluene	U		0.276	1.00	2	09/27/2017 07:22	WG1024893
2-Butanone (MEK)	U		2.56	10.0	2	09/27/2017 07:22	WG1024893

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		2.14	5.00	2	09/27/2017 07:22	WG1024893
4-Methyl-2-pentanone (MIBK)	U		1.65	10.0	2	09/27/2017 07:22	WG1024893
Methyl tert-butyl ether	U		0.204	1.00	2	09/27/2017 07:22	WG1024893
Naphthalene	U		0.348	5.00	2	09/27/2017 07:22	WG1024893
n-Propylbenzene	U		0.324	1.00	2	09/27/2017 07:22	WG1024893
Styrene	U		0.234	1.00	2	09/27/2017 07:22	WG1024893
1,1,1,2-Tetrachloroethane	U		0.240	1.00	2	09/27/2017 07:22	WG1024893
1,1,2,2-Tetrachloroethane	U		0.260	1.00	2	09/27/2017 07:22	WG1024893
1,1,2-Trichlorotrifluoroethane	U		0.328	1.00	2	09/27/2017 07:22	WG1024893
Tetrachloroethene	U		0.398	1.00	2	09/27/2017 07:22	WG1024893
Toluene	2.60		0.824	1.00	2	09/27/2017 07:22	WG1024893
1,2,3-Trichlorobenzene	U		0.328	1.00	2	09/27/2017 07:22	WG1024893
1,2,4-Trichlorobenzene	U		0.710	1.00	2	09/27/2017 07:22	WG1024893
1,1,1-Trichloroethane	U		0.188	1.00	2	09/27/2017 07:22	WG1024893
1,1,2-Trichloroethane	U		0.372	1.00	2	09/27/2017 07:22	WG1024893
Trichloroethene	U		0.306	1.00	2	09/27/2017 07:22	WG1024893
Trichlorofluoromethane	U		0.260	5.00	2	09/27/2017 07:22	WG1024893
1,2,3-Trichloropropane	U		0.494	5.00	2	09/27/2017 07:22	WG1024893
1,2,4-Trimethylbenzene	U		0.246	1.00	2	09/27/2017 07:22	WG1024893
1,2,3-Trimethylbenzene	U		0.148	1.00	2	09/27/2017 07:22	WG1024893
1,3,5-Trimethylbenzene	U		0.248	1.00	2	09/27/2017 07:22	WG1024893
Vinyl acetate	U		1.29	10.0	2	09/27/2017 07:22	WG1024893
Vinyl chloride	U		0.236	1.00	2	09/27/2017 07:22	WG1024893
Xylenes, Total	U		0.632	3.00	2	09/27/2017 07:22	WG1024893
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 07:22*	WG1024893
(S) Dibromofluoromethane	*103*			*76.0-123*		*09/27/2017 07:22*	WG1024893
(S) 4-Bromofluorobenzene	*90.4*			*80.0-120*		*09/27/2017 07:22*	WG1024893

Sample Narrative:

L938636-08 WG1024893: Lowest possible dilution due to sediment in sample vial.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	5.53	27.6	500	10/01/2017 16:01	WG1026247
Acrylonitrile	U		0.989	5.53	500	10/01/2017 16:01	WG1026247
Benzene	U		0.149	0.553	500	10/01/2017 16:01	WG1026247
Bromobenzene	U		0.157	0.553	500	10/01/2017 16:01	WG1026247
Bromodichloromethane	U		0.140	0.553	500	10/01/2017 16:01	WG1026247
Bromochloromethane	U		0.215	2.76	500	10/01/2017 16:01	WG1026247
Bromoform	U		0.234	0.553	500	10/01/2017 16:01	WG1026247
Bromomethane	U		0.740	2.76	500	10/01/2017 16:01	WG1026247
n-Butylbenzene	U		0.143	0.553	500	10/01/2017 16:01	WG1026247
sec-Butylbenzene	U		0.111	0.553	500	10/01/2017 16:01	WG1026247
tert-Butylbenzene	U		0.114	0.553	500	10/01/2017 16:01	WG1026247
Carbon disulfide	U		0.122	0.553	500	10/01/2017 16:01	WG1026247
Carbon tetrachloride	U		0.181	0.553	500	10/01/2017 16:01	WG1026247
Chlorobenzene	U		0.117	0.553	500	10/01/2017 16:01	WG1026247
Chlorodibromomethane	U		0.206	0.553	500	10/01/2017 16:01	WG1026247
Chloroethane	U		0.523	2.76	500	10/01/2017 16:01	WG1026247
Chloroform	U		0.126	2.76	500	10/01/2017 16:01	WG1026247
Chloromethane	U		0.208	1.38	500	10/01/2017 16:01	WG1026247
2-Chlorotoluene	U		0.166	0.553	500	10/01/2017 16:01	WG1026247
4-Chlorotoluene	U		0.133	0.553	500	10/01/2017 16:01	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.580	2.76	500	10/01/2017 16:01	WG1026247
1,2-Dibromoethane	U		0.190	0.553	500	10/01/2017 16:01	WG1026247
Dibromomethane	U		0.211	0.553	500	10/01/2017 16:01	WG1026247
1,2-Dichlorobenzene	U		0.168	0.553	500	10/01/2017 16:01	WG1026247
1,3-Dichlorobenzene	U		0.133	0.553	500	10/01/2017 16:01	WG1026247
1,4-Dichlorobenzene	U		0.125	0.553	500	10/01/2017 16:01	WG1026247
Dichlorodifluoromethane	U		0.393	2.76	500	10/01/2017 16:01	WG1026247
1,1-Dichloroethane	U		0.110	0.553	500	10/01/2017 16:01	WG1026247
1,2-Dichloroethane	U		0.146	0.553	500	10/01/2017 16:01	WG1026247
1,1-Dichloroethene	U		0.168	0.553	500	10/01/2017 16:01	WG1026247
cis-1,2-Dichloroethene	1.41		0.130	0.553	500	10/01/2017 16:01	WG1026247
trans-1,2-Dichloroethene	U		0.146	0.553	500	10/01/2017 16:01	WG1026247
1,2-Dichloropropane	U		0.198	0.553	500	10/01/2017 16:01	WG1026247
1,1-Dichloropropene	U		0.175	0.553	500	10/01/2017 16:01	WG1026247
1,3-Dichloropropane	U		0.115	0.553	500	10/01/2017 16:01	WG1026247
cis-1,3-Dichloropropene	U		0.145	0.553	500	10/01/2017 16:01	WG1026247
trans-1,3-Dichloropropene	U		0.148	0.553	500	10/01/2017 16:01	WG1026247
trans-1,4-Dichloro-2-butene	U	J0	0.430	1.38	500	10/01/2017 16:01	WG1026247
2,2-Dichloropropane	U	J0	0.155	0.553	500	10/01/2017 16:01	WG1026247
Di-isopropyl ether	U	J0	0.137	0.553	500	10/01/2017 16:01	WG1026247
Ethylbenzene	U		0.164	0.553	500	10/01/2017 16:01	WG1026247
Hexachloro-1,3-butadiene	U		0.189	0.553	500	10/01/2017 16:01	WG1026247
2-Hexanone	U		0.757	5.53	500	10/01/2017 16:01	WG1026247
n-Hexane	U	J0	0.160	5.53	500	10/01/2017 16:01	WG1026247
Iodomethane	U		1.39	5.53	500	10/01/2017 16:01	WG1026247
Isopropylbenzene	U		0.135	0.553	500	10/01/2017 16:01	WG1026247
p-Isopropyltoluene	U		0.113	0.553	500	10/01/2017 16:01	WG1026247
2-Butanone (MEK)	U		2.59	5.53	500	10/01/2017 16:01	WG1026247
Methylene Chloride	U		0.553	2.76	500	10/01/2017 16:01	WG1026247
4-Methyl-2-pentanone (MIBK)	U	J0	1.04	5.53	500	10/01/2017 16:01	WG1026247

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.117	0.553	500	10/01/2017 16:01	WG1026247
Naphthalene	U		0.553	2.76	500	10/01/2017 16:01	WG1026247
n-Propylbenzene	U		0.114	0.553	500	10/01/2017 16:01	WG1026247
Styrene	U		0.129	0.553	500	10/01/2017 16:01	WG1026247
1,1,1,2-Tetrachloroethane	U		0.146	0.553	500	10/01/2017 16:01	WG1026247
1,1,2,2-Tetrachloroethane	U		0.201	0.553	500	10/01/2017 16:01	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.201	0.553	500	10/01/2017 16:01	WG1026247
Tetrachloroethene	14.5		0.152	0.553	500	10/01/2017 16:01	WG1026247
Toluene	U		0.240	2.76	500	10/01/2017 16:01	WG1026247
1,2,3-Trichlorobenzene	U		0.169	0.553	500	10/01/2017 16:01	WG1026247
1,2,4-Trichlorobenzene	U		0.214	0.553	500	10/01/2017 16:01	WG1026247
1,1,1-Trichloroethane	U		0.158	0.553	500	10/01/2017 16:01	WG1026247
1,1,2-Trichloroethane	U		0.152	0.553	500	10/01/2017 16:01	WG1026247
Trichloroethene	0.865		0.155	0.553	500	10/01/2017 16:01	WG1026247
Trichlorofluoromethane	U		0.211	2.76	500	10/01/2017 16:01	WG1026247
1,2,3-Trichloropropane	U		0.409	1.38	500	10/01/2017 16:01	WG1026247
1,2,4-Trimethylbenzene	U		0.117	0.553	500	10/01/2017 16:01	WG1026247
1,2,3-Trimethylbenzene	U		0.159	0.553	500	10/01/2017 16:01	WG1026247
1,3,5-Trimethylbenzene	U		0.147	0.553	500	10/01/2017 16:01	WG1026247
Vinyl acetate	U		1.33	5.53	500	10/01/2017 16:01	WG1026247
Vinyl chloride	U		0.161	0.553	500	10/01/2017 16:01	WG1026247
Xylenes, Total	U		0.386	1.66	500	10/01/2017 16:01	WG1026247
(S) Toluene-d8	*109*			*80.0-120*		*10/01/2017 16:01*	WG1026247
(S) Dibromofluoromethane	*100*			*74.0-131*		*10/01/2017 16:01*	WG1026247
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 16:01*	WG1026247

Sample Narrative:

L938636-09 WG1026247: Target compound too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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	09/24/2017 06:30	WG1024032
Acrylonitrile	U		0.00198	0.0110	1	09/24/2017 06:30	WG1024032
Benzene	U		0.000298	0.00110	1	09/24/2017 06:30	WG1024032
Bromobenzene	U		0.000313	0.00110	1	09/24/2017 06:30	WG1024032
Bromodichloromethane	U		0.000280	0.00110	1	09/24/2017 06:30	WG1024032
Bromochloromethane	U		0.000431	0.00552	1	09/24/2017 06:30	WG1024032
Bromoform	U		0.000468	0.00110	1	09/24/2017 06:30	WG1024032
Bromomethane	U		0.00148	0.00552	1	09/24/2017 06:30	WG1024032
n-Butylbenzene	U		0.000285	0.00110	1	09/24/2017 06:30	WG1024032
sec-Butylbenzene	U		0.000222	0.00110	1	09/24/2017 06:30	WG1024032
tert-Butylbenzene	U		0.000227	0.00110	1	09/24/2017 06:30	WG1024032
Carbon disulfide	0.000317	J	0.000244	0.00110	1	09/24/2017 06:30	WG1024032
Carbon tetrachloride	U		0.000362	0.00110	1	09/24/2017 06:30	WG1024032
Chlorobenzene	U		0.000234	0.00110	1	09/24/2017 06:30	WG1024032
Chlorodibromomethane	U		0.000412	0.00110	1	09/24/2017 06:30	WG1024032
Chloroethane	U		0.00104	0.00552	1	09/24/2017 06:30	WG1024032
Chloroform	U		0.000253	0.00552	1	09/24/2017 06:30	WG1024032
Chloromethane	U		0.000414	0.00276	1	09/24/2017 06:30	WG1024032
2-Chlorotoluene	U		0.000332	0.00110	1	09/24/2017 06:30	WG1024032
4-Chlorotoluene	U		0.000265	0.00110	1	09/24/2017 06:30	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	09/24/2017 06:30	WG1024032
1,2-Dibromoethane	U		0.000379	0.00110	1	09/24/2017 06:30	WG1024032
Dibromomethane	U		0.000422	0.00110	1	09/24/2017 06:30	WG1024032
1,2-Dichlorobenzene	U		0.000337	0.00110	1	09/24/2017 06:30	WG1024032
1,3-Dichlorobenzene	U		0.000264	0.00110	1	09/24/2017 06:30	WG1024032
1,4-Dichlorobenzene	U		0.000249	0.00110	1	09/24/2017 06:30	WG1024032
Dichlorodifluoromethane	U		0.000787	0.00552	1	09/24/2017 06:30	WG1024032
1,1-Dichloroethane	U		0.000220	0.00110	1	09/24/2017 06:30	WG1024032
1,2-Dichloroethane	U		0.000293	0.00110	1	09/24/2017 06:30	WG1024032
1,1-Dichloroethene	U		0.000334	0.00110	1	09/24/2017 06:30	WG1024032
cis-1,2-Dichloroethene	0.00582		0.000259	0.00110	1	09/24/2017 06:30	WG1024032
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	09/24/2017 06:30	WG1024032
1,2-Dichloropropane	U		0.000395	0.00110	1	09/24/2017 06:30	WG1024032
1,1-Dichloropropene	U		0.000350	0.00110	1	09/24/2017 06:30	WG1024032
1,3-Dichloropropane	U		0.000228	0.00110	1	09/24/2017 06:30	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000289	0.00110	1	09/24/2017 06:30	WG1024032
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	09/24/2017 06:30	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	09/24/2017 06:30	WG1024032
2,2-Dichloropropane	U	J0	0.000308	0.00110	1	09/24/2017 06:30	WG1024032
Di-isopropyl ether	U		0.000274	0.00110	1	09/24/2017 06:30	WG1024032
Ethylbenzene	U		0.000328	0.00110	1	09/24/2017 06:30	WG1024032
Hexachloro-1,3-butadiene	U		0.000378	0.00110	1	09/24/2017 06:30	WG1024032
2-Hexanone	U		0.00151	0.0110	1	09/24/2017 06:30	WG1024032
n-Hexane	U		0.000320	0.0110	1	09/24/2017 06:30	WG1024032
Iodomethane	U		0.00279	0.0110	1	09/24/2017 06:30	WG1024032
Isopropylbenzene	U		0.000268	0.00110	1	09/24/2017 06:30	WG1024032
p-Isopropyltoluene	U		0.000225	0.00110	1	09/24/2017 06:30	WG1024032
2-Butanone (MEK)	U		0.00517	0.0110	1	09/24/2017 06:30	WG1024032
Methylene Chloride	U		0.00110	0.00552	1	09/24/2017 06:30	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	09/24/2017 06:30	WG1024032

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

Analyte	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	09/24/2017 06:30	WG1024032
Naphthalene	U		0.00110	0.00552	1	09/24/2017 06:30	WG1024032
n-Propylbenzene	U		0.000227	0.00110	1	09/24/2017 06:30	WG1024032
Styrene	U		0.000258	0.00110	1	09/24/2017 06:30	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	09/24/2017 06:30	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	09/24/2017 06:30	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	09/24/2017 06:30	WG1024032
Tetrachloroethene	0.0853	J0	0.000305	0.00110	1	09/24/2017 06:30	WG1024032
Toluene	U		0.000479	0.00552	1	09/24/2017 06:30	WG1024032
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	09/24/2017 06:30	WG1024032
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	09/24/2017 06:30	WG1024032
1,1,1-Trichloroethane	U		0.000316	0.00110	1	09/24/2017 06:30	WG1024032
1,1,2-Trichloroethane	U		0.000306	0.00110	1	09/24/2017 06:30	WG1024032
Trichloroethene	0.00152		0.000308	0.00110	1	09/24/2017 06:30	WG1024032
Trichlorofluoromethane	U		0.000422	0.00552	1	09/24/2017 06:30	WG1024032
1,2,3-Trichloropropane	U		0.000818	0.00276	1	09/24/2017 06:30	WG1024032
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	09/24/2017 06:30	WG1024032
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	09/24/2017 06:30	WG1024032
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	09/24/2017 06:30	WG1024032
Vinyl acetate	U		0.00264	0.0110	1	09/24/2017 06:30	WG1024032
Vinyl chloride	0.00153		0.000321	0.00110	1	09/24/2017 06:30	WG1024032
Xylenes, Total	U		0.000770	0.00331	1	09/24/2017 06:30	WG1024032
(S) Toluene-d8	*106*			*80.0-120*		*09/24/2017 06:30*	WG1024032
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/24/2017 06:30*	WG1024032
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*09/24/2017 06:30*	WG1024032

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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	09/24/2017 06:50	WG1024032
Acrylonitrile	U		0.00203	0.0113	1	09/24/2017 06:50	WG1024032
Benzene	U		0.000306	0.00113	1	09/24/2017 06:50	WG1024032
Bromobenzene	U		0.000322	0.00113	1	09/24/2017 06:50	WG1024032
Bromodichloromethane	U		0.000288	0.00113	1	09/24/2017 06:50	WG1024032
Bromochloromethane	U		0.000442	0.00567	1	09/24/2017 06:50	WG1024032
Bromoform	U		0.000481	0.00113	1	09/24/2017 06:50	WG1024032
Bromomethane	U		0.00152	0.00567	1	09/24/2017 06:50	WG1024032
n-Butylbenzene	U		0.000293	0.00113	1	09/24/2017 06:50	WG1024032
sec-Butylbenzene	U		0.000228	0.00113	1	09/24/2017 06:50	WG1024032
tert-Butylbenzene	U		0.000234	0.00113	1	09/24/2017 06:50	WG1024032
Carbon disulfide	0.000299	J	0.000251	0.00113	1	09/24/2017 06:50	WG1024032
Carbon tetrachloride	U		0.000372	0.00113	1	09/24/2017 06:50	WG1024032
Chlorobenzene	U		0.000240	0.00113	1	09/24/2017 06:50	WG1024032
Chlorodibromomethane	U		0.000423	0.00113	1	09/24/2017 06:50	WG1024032
Chloroethane	U		0.00107	0.00567	1	09/24/2017 06:50	WG1024032
Chloroform	U		0.000260	0.00567	1	09/24/2017 06:50	WG1024032
Chloromethane	U		0.000425	0.00283	1	09/24/2017 06:50	WG1024032
2-Chlorotoluene	U		0.000341	0.00113	1	09/24/2017 06:50	WG1024032
4-Chlorotoluene	U		0.000272	0.00113	1	09/24/2017 06:50	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	09/24/2017 06:50	WG1024032
1,2-Dibromoethane	U		0.000389	0.00113	1	09/24/2017 06:50	WG1024032
Dibromomethane	U		0.000433	0.00113	1	09/24/2017 06:50	WG1024032
1,2-Dichlorobenzene	U		0.000346	0.00113	1	09/24/2017 06:50	WG1024032
1,3-Dichlorobenzene	U		0.000271	0.00113	1	09/24/2017 06:50	WG1024032
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/24/2017 06:50	WG1024032
Dichlorodifluoromethane	U		0.000808	0.00567	1	09/24/2017 06:50	WG1024032
1,1-Dichloroethane	U		0.000226	0.00113	1	09/24/2017 06:50	WG1024032
1,2-Dichloroethane	U		0.000300	0.00113	1	09/24/2017 06:50	WG1024032
1,1-Dichloroethene	0.0110		0.000344	0.00113	1	09/24/2017 06:50	WG1024032
cis-1,2-Dichloroethene	U		0.000266	0.00113	1	09/24/2017 06:50	WG1024032
trans-1,2-Dichloroethene	0.00481		0.000299	0.00113	1	09/24/2017 06:50	WG1024032
1,2-Dichloropropane	U		0.000406	0.00113	1	09/24/2017 06:50	WG1024032
1,1-Dichloropropene	U		0.000359	0.00113	1	09/24/2017 06:50	WG1024032
1,3-Dichloropropane	U		0.000235	0.00113	1	09/24/2017 06:50	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000297	0.00113	1	09/24/2017 06:50	WG1024032
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	09/24/2017 06:50	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	09/24/2017 06:50	WG1024032
2,2-Dichloropropane	U	J0	0.000316	0.00113	1	09/24/2017 06:50	WG1024032
Di-isopropyl ether	U		0.000281	0.00113	1	09/24/2017 06:50	WG1024032
Ethylbenzene	U		0.000337	0.00113	1	09/24/2017 06:50	WG1024032
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	09/24/2017 06:50	WG1024032
2-Hexanone	U		0.00155	0.0113	1	09/24/2017 06:50	WG1024032
n-Hexane	U		0.000329	0.0113	1	09/24/2017 06:50	WG1024032
Iodomethane	U		0.00287	0.0113	1	09/24/2017 06:50	WG1024032
Isopropylbenzene	U		0.000276	0.00113	1	09/24/2017 06:50	WG1024032
p-Isopropyltoluene	U		0.000231	0.00113	1	09/24/2017 06:50	WG1024032
2-Butanone (MEK)	U		0.00531	0.0113	1	09/24/2017 06:50	WG1024032
Methylene Chloride	U		0.00113	0.00567	1	09/24/2017 06:50	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	09/24/2017 06:50	WG1024032

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

Analyte	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	09/24/2017 06:50	WG1024032
Naphthalene	U		0.00113	0.00567	1	09/24/2017 06:50	WG1024032
n-Propylbenzene	U		0.000234	0.00113	1	09/24/2017 06:50	WG1024032
Styrene	U		0.000265	0.00113	1	09/24/2017 06:50	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	09/24/2017 06:50	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	09/24/2017 06:50	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	09/24/2017 06:50	WG1024032
Tetrachloroethene	1.01		0.0156	0.0567	50	10/01/2017 18:25	WG1024032
Toluene	U		0.000492	0.00567	1	09/24/2017 06:50	WG1024032
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	09/24/2017 06:50	WG1024032
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	09/24/2017 06:50	WG1024032
1,1,1-Trichloroethane	U		0.000324	0.00113	1	09/24/2017 06:50	WG1024032
1,1,2-Trichloroethane	U		0.000314	0.00113	1	09/24/2017 06:50	WG1024032
Trichloroethene	0.815		0.0159	0.0567	50	10/01/2017 18:25	WG1024032
Trichlorofluoromethane	U		0.000433	0.00567	1	09/24/2017 06:50	WG1024032
1,2,3-Trichloropropane	U		0.000840	0.00283	1	09/24/2017 06:50	WG1024032
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	09/24/2017 06:50	WG1024032
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	09/24/2017 06:50	WG1024032
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	09/24/2017 06:50	WG1024032
Vinyl acetate	U		0.00271	0.0113	1	09/24/2017 06:50	WG1024032
Vinyl chloride	0.00907		0.000330	0.00113	1	09/24/2017 06:50	WG1024032
Xylenes, Total	U		0.000791	0.00340	1	09/24/2017 06:50	WG1024032
(S) Toluene-d8	*107*			*80.0-120*		*09/24/2017 06:50*	WG1024032
(S) Toluene-d8	*108*			*80.0-120*		*10/01/2017 18:25*	WG1024032
(S) Dibromofluoromethane	*101*			*74.0-131*		*10/01/2017 18:25*	WG1024032
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/24/2017 06:50*	WG1024032
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*10/01/2017 18:25*	WG1024032
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/24/2017 06:50*	WG1024032

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	09/26/2017 08:27	WG1024282

Volatile Organic Compounds (GC/MS) 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	09/24/2017 07:09	WG1024032
Acrylonitrile	U		0.00207	0.0116	1	09/24/2017 07:09	WG1024032
Benzene	U		0.000312	0.00116	1	09/24/2017 07:09	WG1024032
Bromobenzene	U		0.000328	0.00116	1	09/24/2017 07:09	WG1024032
Bromodichloromethane	U		0.000294	0.00116	1	09/24/2017 07:09	WG1024032
Bromochloromethane	U		0.000451	0.00578	1	09/24/2017 07:09	WG1024032
Bromoform	U		0.000490	0.00116	1	09/24/2017 07:09	WG1024032
Bromomethane	U		0.00155	0.00578	1	09/24/2017 07:09	WG1024032
n-Butylbenzene	U		0.000298	0.00116	1	09/24/2017 07:09	WG1024032
sec-Butylbenzene	U		0.000232	0.00116	1	09/24/2017 07:09	WG1024032
tert-Butylbenzene	U		0.000238	0.00116	1	09/24/2017 07:09	WG1024032
Carbon disulfide	U		0.000255	0.00116	1	09/24/2017 07:09	WG1024032
Carbon tetrachloride	U		0.000379	0.00116	1	09/24/2017 07:09	WG1024032
Chlorobenzene	U		0.000245	0.00116	1	09/24/2017 07:09	WG1024032
Chlorodibromomethane	U		0.000431	0.00116	1	09/24/2017 07:09	WG1024032
Chloroethane	U		0.00109	0.00578	1	09/24/2017 07:09	WG1024032
Chloroform	U		0.000265	0.00578	1	09/24/2017 07:09	WG1024032
Chloromethane	U		0.000433	0.00289	1	09/24/2017 07:09	WG1024032
2-Chlorotoluene	U		0.000348	0.00116	1	09/24/2017 07:09	WG1024032
4-Chlorotoluene	U		0.000277	0.00116	1	09/24/2017 07:09	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	09/24/2017 07:09	WG1024032
1,2-Dibromoethane	U		0.000396	0.00116	1	09/24/2017 07:09	WG1024032
Dibromomethane	U		0.000442	0.00116	1	09/24/2017 07:09	WG1024032
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/24/2017 07:09	WG1024032
1,3-Dichlorobenzene	U		0.000276	0.00116	1	09/24/2017 07:09	WG1024032
1,4-Dichlorobenzene	U		0.000261	0.00116	1	09/24/2017 07:09	WG1024032
Dichlorodifluoromethane	U		0.000824	0.00578	1	09/24/2017 07:09	WG1024032
1,1-Dichloroethane	U		0.000230	0.00116	1	09/24/2017 07:09	WG1024032
1,2-Dichloroethane	U		0.000306	0.00116	1	09/24/2017 07:09	WG1024032
1,1-Dichloroethene	0.00119		0.000350	0.00116	1	09/24/2017 07:09	WG1024032
cis-1,2-Dichloroethene	0.109		0.000272	0.00116	1	09/24/2017 07:09	WG1024032
trans-1,2-Dichloroethene	0.00171		0.000305	0.00116	1	09/24/2017 07:09	WG1024032
1,2-Dichloropropane	U		0.000414	0.00116	1	09/24/2017 07:09	WG1024032
1,1-Dichloropropene	U		0.000366	0.00116	1	09/24/2017 07:09	WG1024032
1,3-Dichloropropane	U		0.000239	0.00116	1	09/24/2017 07:09	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000303	0.00116	1	09/24/2017 07:09	WG1024032
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/24/2017 07:09	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000899	0.00289	1	09/24/2017 07:09	WG1024032
2,2-Dichloropropane	U	J0	0.000322	0.00116	1	09/24/2017 07:09	WG1024032
Di-isopropyl ether	U		0.000287	0.00116	1	09/24/2017 07:09	WG1024032
Ethylbenzene	U		0.000343	0.00116	1	09/24/2017 07:09	WG1024032
Hexachloro-1,3-butadiene	U		0.000395	0.00116	1	09/24/2017 07:09	WG1024032
2-Hexanone	U		0.00158	0.0116	1	09/24/2017 07:09	WG1024032
n-Hexane	U		0.000335	0.0116	1	09/24/2017 07:09	WG1024032
Iodomethane	U		0.00292	0.0116	1	09/24/2017 07:09	WG1024032
Isopropylbenzene	U		0.000281	0.00116	1	09/24/2017 07:09	WG1024032
p-Isopropyltoluene	U		0.000236	0.00116	1	09/24/2017 07:09	WG1024032
2-Butanone (MEK)	U		0.00541	0.0116	1	09/24/2017 07:09	WG1024032
Methylene Chloride	U		0.00116	0.00578	1	09/24/2017 07:09	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	09/24/2017 07:09	WG1024032

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

Analyte	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	09/24/2017 07:09	WG1024032
Naphthalene	U		0.00116	0.00578	1	09/24/2017 07:09	WG1024032
n-Propylbenzene	U		0.000238	0.00116	1	09/24/2017 07:09	WG1024032
Styrene	U		0.000270	0.00116	1	09/24/2017 07:09	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	09/24/2017 07:09	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	09/24/2017 07:09	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	09/24/2017 07:09	WG1024032
Tetrachloroethene	0.714		0.00797	0.0289	25	10/01/2017 18:45	WG1024032
Toluene	U		0.000502	0.00578	1	09/24/2017 07:09	WG1024032
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/24/2017 07:09	WG1024032
1,2,4-Trichlorobenzene	U		0.000448	0.00116	1	09/24/2017 07:09	WG1024032
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/24/2017 07:09	WG1024032
1,1,2-Trichloroethane	U		0.000320	0.00116	1	09/24/2017 07:09	WG1024032
Trichloroethene	0.130		0.000322	0.00116	1	09/24/2017 07:09	WG1024032
Trichlorofluoromethane	U		0.000442	0.00578	1	09/24/2017 07:09	WG1024032
1,2,3-Trichloropropane	U		0.000856	0.00289	1	09/24/2017 07:09	WG1024032
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/24/2017 07:09	WG1024032
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/24/2017 07:09	WG1024032
1,3,5-Trimethylbenzene	U		0.000307	0.00116	1	09/24/2017 07:09	WG1024032
Vinyl acetate	U		0.00276	0.0116	1	09/24/2017 07:09	WG1024032
Vinyl chloride	0.0116		0.000336	0.00116	1	09/24/2017 07:09	WG1024032
Xylenes, Total	U		0.000807	0.00347	1	09/24/2017 07:09	WG1024032
(S) Toluene-d8	*107*			*80.0-120*		*09/24/2017 07:09*	WG1024032
(S) Toluene-d8	*110*			*80.0-120*		*10/01/2017 18:45*	WG1024032
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/24/2017 07:09*	WG1024032
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*10/01/2017 18:45*	WG1024032
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/24/2017 07:09*	WG1024032
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*10/01/2017 18:45*	WG1024032

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	09/26/2017 08:27	WG1024282

Volatile Organic Compounds (GC/MS) 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	09/24/2017 07:29	WG1024032
Acrylonitrile	U		0.00201	0.0112	1	09/24/2017 07:29	WG1024032
Benzene	U		0.000303	0.00112	1	09/24/2017 07:29	WG1024032
Bromobenzene	U		0.000318	0.00112	1	09/24/2017 07:29	WG1024032
Bromodichloromethane	U		0.000285	0.00112	1	09/24/2017 07:29	WG1024032
Bromochloromethane	U		0.000437	0.00560	1	09/24/2017 07:29	WG1024032
Bromoform	U		0.000475	0.00112	1	09/24/2017 07:29	WG1024032
Bromomethane	U		0.00150	0.00560	1	09/24/2017 07:29	WG1024032
n-Butylbenzene	U		0.000289	0.00112	1	09/24/2017 07:29	WG1024032
sec-Butylbenzene	U		0.000225	0.00112	1	09/24/2017 07:29	WG1024032
tert-Butylbenzene	U		0.000231	0.00112	1	09/24/2017 07:29	WG1024032
Carbon disulfide	U		0.000248	0.00112	1	09/24/2017 07:29	WG1024032
Carbon tetrachloride	U		0.000368	0.00112	1	09/24/2017 07:29	WG1024032
Chlorobenzene	U		0.000238	0.00112	1	09/24/2017 07:29	WG1024032
Chlorodibromomethane	U		0.000418	0.00112	1	09/24/2017 07:29	WG1024032
Chloroethane	0.00230	J	0.00106	0.00560	1	09/24/2017 07:29	WG1024032
Chloroform	U		0.000257	0.00560	1	09/24/2017 07:29	WG1024032
Chloromethane	U		0.000420	0.00280	1	09/24/2017 07:29	WG1024032
2-Chlorotoluene	U		0.000337	0.00112	1	09/24/2017 07:29	WG1024032
4-Chlorotoluene	U		0.000269	0.00112	1	09/24/2017 07:29	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	09/24/2017 07:29	WG1024032
1,2-Dibromoethane	U		0.000384	0.00112	1	09/24/2017 07:29	WG1024032
Dibromomethane	U		0.000428	0.00112	1	09/24/2017 07:29	WG1024032
1,2-Dichlorobenzene	U		0.000342	0.00112	1	09/24/2017 07:29	WG1024032
1,3-Dichlorobenzene	U		0.000268	0.00112	1	09/24/2017 07:29	WG1024032
1,4-Dichlorobenzene	U		0.000253	0.00112	1	09/24/2017 07:29	WG1024032
Dichlorodifluoromethane	U		0.000799	0.00560	1	09/24/2017 07:29	WG1024032
1,1-Dichloroethane	U		0.000223	0.00112	1	09/24/2017 07:29	WG1024032
1,2-Dichloroethane	U		0.000297	0.00112	1	09/24/2017 07:29	WG1024032
1,1-Dichloroethene	U		0.000339	0.00112	1	09/24/2017 07:29	WG1024032
cis-1,2-Dichloroethene	0.0255		0.000263	0.00112	1	09/24/2017 07:29	WG1024032
trans-1,2-Dichloroethene	0.000980	J	0.000296	0.00112	1	09/24/2017 07:29	WG1024032
1,2-Dichloropropane	U		0.000401	0.00112	1	09/24/2017 07:29	WG1024032
1,1-Dichloropropene	U		0.000355	0.00112	1	09/24/2017 07:29	WG1024032
1,3-Dichloropropane	U		0.000232	0.00112	1	09/24/2017 07:29	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000294	0.00112	1	09/24/2017 07:29	WG1024032
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	09/24/2017 07:29	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000872	0.00280	1	09/24/2017 07:29	WG1024032
2,2-Dichloropropane	U	J0	0.000313	0.00112	1	09/24/2017 07:29	WG1024032
Di-isopropyl ether	U		0.000278	0.00112	1	09/24/2017 07:29	WG1024032
Ethylbenzene	U		0.000333	0.00112	1	09/24/2017 07:29	WG1024032
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	09/24/2017 07:29	WG1024032
2-Hexanone	U		0.00153	0.0112	1	09/24/2017 07:29	WG1024032
n-Hexane	U		0.000325	0.0112	1	09/24/2017 07:29	WG1024032
Iodomethane	U		0.00283	0.0112	1	09/24/2017 07:29	WG1024032
Isopropylbenzene	U		0.000272	0.00112	1	09/24/2017 07:29	WG1024032
p-Isopropyltoluene	U		0.000229	0.00112	1	09/24/2017 07:29	WG1024032
2-Butanone (MEK)	0.00629	J	0.00524	0.0112	1	09/24/2017 07:29	WG1024032
Methylene Chloride	U		0.00112	0.00560	1	09/24/2017 07:29	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	09/24/2017 07:29	WG1024032

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

Analyte	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	09/24/2017 07:29	WG1024032
Naphthalene	U		0.00112	0.00560	1	09/24/2017 07:29	WG1024032
n-Propylbenzene	U		0.000231	0.00112	1	09/24/2017 07:29	WG1024032
Styrene	U		0.000262	0.00112	1	09/24/2017 07:29	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	09/24/2017 07:29	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	09/24/2017 07:29	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	09/24/2017 07:29	WG1024032
Tetrachloroethene	0.0190	J0	0.000309	0.00112	1	09/24/2017 07:29	WG1024032
Toluene	U		0.000486	0.00560	1	09/24/2017 07:29	WG1024032
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	09/24/2017 07:29	WG1024032
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	09/24/2017 07:29	WG1024032
1,1,1-Trichloroethane	U		0.000320	0.00112	1	09/24/2017 07:29	WG1024032
1,1,2-Trichloroethane	U		0.000310	0.00112	1	09/24/2017 07:29	WG1024032
Trichloroethene	0.00506		0.000313	0.00112	1	09/24/2017 07:29	WG1024032
Trichlorofluoromethane	U		0.000428	0.00560	1	09/24/2017 07:29	WG1024032
1,2,3-Trichloropropane	U		0.000830	0.00280	1	09/24/2017 07:29	WG1024032
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/24/2017 07:29	WG1024032
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	09/24/2017 07:29	WG1024032
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	09/24/2017 07:29	WG1024032
Vinyl acetate	U		0.00268	0.0112	1	09/24/2017 07:29	WG1024032
Vinyl chloride	0.0120		0.000326	0.00112	1	09/24/2017 07:29	WG1024032
Xylenes, Total	U		0.000782	0.00336	1	09/24/2017 07:29	WG1024032
(S) Toluene-d8	*106*			*80.0-120*		*09/24/2017 07:29*	WG1024032
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/24/2017 07:29*	WG1024032
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/24/2017 07:29*	WG1024032

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.6		1	09/26/2017 08:27	WG1024282

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0124	0.0620	1	09/24/2017 07:48	WG1024032
Acrylonitrile	U		0.00222	0.0124	1	09/24/2017 07:48	WG1024032
Benzene	0.000387	J	0.000335	0.00124	1	09/24/2017 07:48	WG1024032
Bromobenzene	U		0.000352	0.00124	1	09/24/2017 07:48	WG1024032
Bromodichloromethane	U		0.000315	0.00124	1	09/24/2017 07:48	WG1024032
Bromochloromethane	U		0.000484	0.00620	1	09/24/2017 07:48	WG1024032
Bromoform	U		0.000526	0.00124	1	09/24/2017 07:48	WG1024032
Bromomethane	U		0.00166	0.00620	1	09/24/2017 07:48	WG1024032
n-Butylbenzene	U		0.000320	0.00124	1	09/24/2017 07:48	WG1024032
sec-Butylbenzene	U		0.000249	0.00124	1	09/24/2017 07:48	WG1024032
tert-Butylbenzene	U		0.000255	0.00124	1	09/24/2017 07:48	WG1024032
Carbon disulfide	0.00400		0.000274	0.00124	1	09/24/2017 07:48	WG1024032
Carbon tetrachloride	U		0.000407	0.00124	1	09/24/2017 07:48	WG1024032
Chlorobenzene	U		0.000263	0.00124	1	09/24/2017 07:48	WG1024032
Chlorodibromomethane	U		0.000463	0.00124	1	09/24/2017 07:48	WG1024032
Chloroethane	U		0.00117	0.00620	1	09/24/2017 07:48	WG1024032
Chloroform	U		0.000284	0.00620	1	09/24/2017 07:48	WG1024032
Chloromethane	U		0.000465	0.00310	1	09/24/2017 07:48	WG1024032
2-Chlorotoluene	U		0.000373	0.00124	1	09/24/2017 07:48	WG1024032
4-Chlorotoluene	U		0.000298	0.00124	1	09/24/2017 07:48	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00620	1	09/24/2017 07:48	WG1024032
1,2-Dibromoethane	U		0.000425	0.00124	1	09/24/2017 07:48	WG1024032
Dibromomethane	U		0.000474	0.00124	1	09/24/2017 07:48	WG1024032
1,2-Dichlorobenzene	U		0.000378	0.00124	1	09/24/2017 07:48	WG1024032
1,3-Dichlorobenzene	U		0.000296	0.00124	1	09/24/2017 07:48	WG1024032
1,4-Dichlorobenzene	U		0.000280	0.00124	1	09/24/2017 07:48	WG1024032
Dichlorodifluoromethane	U		0.000884	0.00620	1	09/24/2017 07:48	WG1024032
1,1-Dichloroethane	U		0.000247	0.00124	1	09/24/2017 07:48	WG1024032
1,2-Dichloroethane	U		0.000329	0.00124	1	09/24/2017 07:48	WG1024032
1,1-Dichloroethene	0.00666		0.000376	0.00124	1	09/24/2017 07:48	WG1024032
cis-1,2-Dichloroethene	7.34		0.0291	0.124	100	10/01/2017 19:04	WG1024032
trans-1,2-Dichloroethene	0.0431		0.000327	0.00124	1	09/24/2017 07:48	WG1024032
1,2-Dichloropropane	U		0.000444	0.00124	1	09/24/2017 07:48	WG1024032
1,1-Dichloropropene	U		0.000393	0.00124	1	09/24/2017 07:48	WG1024032
1,3-Dichloropropane	U		0.000257	0.00124	1	09/24/2017 07:48	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000325	0.00124	1	09/24/2017 07:48	WG1024032
trans-1,3-Dichloropropene	U		0.000331	0.00124	1	09/24/2017 07:48	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000965	0.00310	1	09/24/2017 07:48	WG1024032
2,2-Dichloropropane	U	J0	0.000346	0.00124	1	09/24/2017 07:48	WG1024032
Di-isopropyl ether	U		0.000308	0.00124	1	09/24/2017 07:48	WG1024032
Ethylbenzene	U		0.000368	0.00124	1	09/24/2017 07:48	WG1024032
Hexachloro-1,3-butadiene	U		0.000424	0.00124	1	09/24/2017 07:48	WG1024032
2-Hexanone	U		0.00170	0.0124	1	09/24/2017 07:48	WG1024032
n-Hexane	0.00395	J	0.000360	0.0124	1	09/24/2017 07:48	WG1024032
Iodomethane	U		0.00314	0.0124	1	09/24/2017 07:48	WG1024032
Isopropylbenzene	U		0.000301	0.00124	1	09/24/2017 07:48	WG1024032
p-Isopropyltoluene	U		0.000253	0.00124	1	09/24/2017 07:48	WG1024032
2-Butanone (MEK)	U		0.00580	0.0124	1	09/24/2017 07:48	WG1024032
Methylene Chloride	U		0.00124	0.00620	1	09/24/2017 07:48	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00233	0.0124	1	09/24/2017 07:48	WG1024032

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000263	0.00124	1	09/24/2017 07:48	WG1024032
Naphthalene	U		0.00124	0.00620	1	09/24/2017 07:48	WG1024032
n-Propylbenzene	U		0.000255	0.00124	1	09/24/2017 07:48	WG1024032
Styrene	U		0.000290	0.00124	1	09/24/2017 07:48	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000327	0.00124	1	09/24/2017 07:48	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000453	0.00124	1	09/24/2017 07:48	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000453	0.00124	1	09/24/2017 07:48	WG1024032
Tetrachloroethene	0.0557	J0	0.000342	0.00124	1	09/24/2017 07:48	WG1024032
Toluene	U		0.000538	0.00620	1	09/24/2017 07:48	WG1024032
1,2,3-Trichlorobenzene	U		0.000380	0.00124	1	09/24/2017 07:48	WG1024032
1,2,4-Trichlorobenzene	U		0.000481	0.00124	1	09/24/2017 07:48	WG1024032
1,1,1-Trichloroethane	U		0.000355	0.00124	1	09/24/2017 07:48	WG1024032
1,1,2-Trichloroethane	U		0.000344	0.00124	1	09/24/2017 07:48	WG1024032
Trichloroethene	0.00699		0.000346	0.00124	1	09/24/2017 07:48	WG1024032
Trichlorofluoromethane	U		0.000474	0.00620	1	09/24/2017 07:48	WG1024032
1,2,3-Trichloropropane	U		0.000919	0.00310	1	09/24/2017 07:48	WG1024032
1,2,4-Trimethylbenzene	U		0.000262	0.00124	1	09/24/2017 07:48	WG1024032
1,2,3-Trimethylbenzene	U		0.000356	0.00124	1	09/24/2017 07:48	WG1024032
1,3,5-Trimethylbenzene	U		0.000330	0.00124	1	09/24/2017 07:48	WG1024032
Vinyl acetate	U		0.00296	0.0124	1	09/24/2017 07:48	WG1024032
Vinyl chloride	0.127		0.000361	0.00124	1	09/24/2017 07:48	WG1024032
Xylenes, Total	U		0.000866	0.00372	1	09/24/2017 07:48	WG1024032
(S) Toluene-d8	*106*			*80.0-120*		*09/24/2017 07:48*	WG1024032
(S) Toluene-d8	*107*			*80.0-120*		*10/01/2017 19:04*	WG1024032
(S) Dibromofluoromethane	*102*			*74.0-131*		*10/01/2017 19:04*	WG1024032
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/24/2017 07:48*	WG1024032
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*09/24/2017 07:48*	WG1024032
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*10/01/2017 19:04*	WG1024032

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	09/26/2017 08:27	WG1024282

Volatile Organic Compounds (GC/MS) 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	0.536	2.68	50	10/01/2017 19:25	WG1024032
Acrylonitrile	U		0.0960	0.536	50	10/01/2017 19:25	WG1024032
Benzene	U		0.0145	0.0536	50	10/01/2017 19:25	WG1024032
Bromobenzene	U		0.0152	0.0536	50	10/01/2017 19:25	WG1024032
Bromodichloromethane	U		0.0136	0.0536	50	10/01/2017 19:25	WG1024032
Bromochloromethane	U		0.0209	0.268	50	10/01/2017 19:25	WG1024032
Bromoform	U		0.0227	0.0536	50	10/01/2017 19:25	WG1024032
Bromomethane	U		0.0719	0.268	50	10/01/2017 19:25	WG1024032
n-Butylbenzene	U		0.0138	0.0536	50	10/01/2017 19:25	WG1024032
sec-Butylbenzene	U		0.0107	0.0536	50	10/01/2017 19:25	WG1024032
tert-Butylbenzene	U		0.0110	0.0536	50	10/01/2017 19:25	WG1024032
Carbon disulfide	U		0.0118	0.0536	50	10/01/2017 19:25	WG1024032
Carbon tetrachloride	U		0.0176	0.0536	50	10/01/2017 19:25	WG1024032
Chlorobenzene	U		0.0114	0.0536	50	10/01/2017 19:25	WG1024032
Chlorodibromomethane	U		0.0199	0.0536	50	10/01/2017 19:25	WG1024032
Chloroethane	U		0.0507	0.268	50	10/01/2017 19:25	WG1024032
Chloroform	U		0.0122	0.268	50	10/01/2017 19:25	WG1024032
Chloromethane	U		0.0202	0.134	50	10/01/2017 19:25	WG1024032
2-Chlorotoluene	U		0.0161	0.0536	50	10/01/2017 19:25	WG1024032
4-Chlorotoluene	U		0.0129	0.0536	50	10/01/2017 19:25	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.0563	0.268	50	10/01/2017 19:25	WG1024032
1,2-Dibromoethane	U		0.0184	0.0536	50	10/01/2017 19:25	WG1024032
Dibromomethane	U		0.0205	0.0536	50	10/01/2017 19:25	WG1024032
1,2-Dichlorobenzene	U		0.0163	0.0536	50	10/01/2017 19:25	WG1024032
1,3-Dichlorobenzene	U		0.0129	0.0536	50	10/01/2017 19:25	WG1024032
1,4-Dichlorobenzene	U		0.0121	0.0536	50	10/01/2017 19:25	WG1024032
Dichlorodifluoromethane	U		0.0382	0.268	50	10/01/2017 19:25	WG1024032
1,1-Dichloroethane	U		0.0107	0.0536	50	10/01/2017 19:25	WG1024032
1,2-Dichloroethane	U		0.0142	0.0536	50	10/01/2017 19:25	WG1024032
1,1-Dichloroethene	U		0.0163	0.0536	50	10/01/2017 19:25	WG1024032
cis-1,2-Dichloroethene	0.498		0.0127	0.0536	50	10/01/2017 19:25	WG1024032
trans-1,2-Dichloroethene	U		0.0142	0.0536	50	10/01/2017 19:25	WG1024032
1,2-Dichloropropane	U		0.0192	0.0536	50	10/01/2017 19:25	WG1024032
1,1-Dichloropropene	U		0.0169	0.0536	50	10/01/2017 19:25	WG1024032
1,3-Dichloropropane	U		0.0112	0.0536	50	10/01/2017 19:25	WG1024032
cis-1,3-Dichloropropene	U	J4	0.0140	0.0536	50	10/01/2017 19:25	WG1024032
trans-1,3-Dichloropropene	U		0.0144	0.0536	50	10/01/2017 19:25	WG1024032
trans-1,4-Dichloro-2-butene	U	J0	0.0417	0.134	50	10/01/2017 19:25	WG1024032
2,2-Dichloropropane	U	J0	0.0150	0.0536	50	10/01/2017 19:25	WG1024032
Di-isopropyl ether	U	J0	0.0133	0.0536	50	10/01/2017 19:25	WG1024032
Ethylbenzene	U		0.0159	0.0536	50	10/01/2017 19:25	WG1024032
Hexachloro-1,3-butadiene	U		0.0183	0.0536	50	10/01/2017 19:25	WG1024032
2-Hexanone	U		0.0735	0.536	50	10/01/2017 19:25	WG1024032
n-Hexane	U	J0	0.0156	0.536	50	10/01/2017 19:25	WG1024032
Iodomethane	U		0.135	0.536	50	10/01/2017 19:25	WG1024032
Isopropylbenzene	U		0.0131	0.0536	50	10/01/2017 19:25	WG1024032
p-Isopropyltoluene	U		0.0109	0.0536	50	10/01/2017 19:25	WG1024032
2-Butanone (MEK)	U		0.251	0.536	50	10/01/2017 19:25	WG1024032
Methylene Chloride	U		0.0536	0.268	50	10/01/2017 19:25	WG1024032
4-Methyl-2-pentanone (MIBK)	U	J0	0.101	0.536	50	10/01/2017 19:25	WG1024032

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0114	0.0536	50	10/01/2017 19:25	WG1024032
Naphthalene	U		0.0536	0.268	50	10/01/2017 19:25	WG1024032
n-Propylbenzene	U		0.0110	0.0536	50	10/01/2017 19:25	WG1024032
Styrene	U		0.0125	0.0536	50	10/01/2017 19:25	WG1024032
1,1,1,2-Tetrachloroethane	U		0.0142	0.0536	50	10/01/2017 19:25	WG1024032
1,1,2,2-Tetrachloroethane	U		0.0195	0.0536	50	10/01/2017 19:25	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.0195	0.0536	50	10/01/2017 19:25	WG1024032
Tetrachloroethene	4.09		0.0148	0.0536	50	10/01/2017 19:25	WG1024032
Toluene	U		0.0233	0.268	50	10/01/2017 19:25	WG1024032
1,2,3-Trichlorobenzene	U		0.0164	0.0536	50	10/01/2017 19:25	WG1024032
1,2,4-Trichlorobenzene	U		0.0208	0.0536	50	10/01/2017 19:25	WG1024032
1,1,1-Trichloroethane	U		0.0153	0.0536	50	10/01/2017 19:25	WG1024032
1,1,2-Trichloroethane	U		0.0148	0.0536	50	10/01/2017 19:25	WG1024032
Trichloroethene	1.40		0.0150	0.0536	50	10/01/2017 19:25	WG1024032
Trichlorofluoromethane	U		0.0205	0.268	50	10/01/2017 19:25	WG1024032
1,2,3-Trichloropropane	U		0.0397	0.134	50	10/01/2017 19:25	WG1024032
1,2,4-Trimethylbenzene	U		0.0114	0.0536	50	10/01/2017 19:25	WG1024032
1,2,3-Trimethylbenzene	U		0.0154	0.0536	50	10/01/2017 19:25	WG1024032
1,3,5-Trimethylbenzene	U		0.0143	0.0536	50	10/01/2017 19:25	WG1024032
Vinyl acetate	U		0.129	0.536	50	10/01/2017 19:25	WG1024032
Vinyl chloride	U		0.0157	0.0536	50	10/01/2017 19:25	WG1024032
Xylenes, Total	U		0.0374	0.161	50	10/01/2017 19:25	WG1024032
(S) Toluene-d8	*111*			*80.0-120*		*10/01/2017 19:25*	WG1024032
(S) Dibromofluoromethane	*96.9*			*74.0-131*		*10/01/2017 19:25*	WG1024032
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 19:25*	WG1024032

Sample Narrative:

L938636-15 WG1024032: Target compound too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	09/26/2017 08:27	WG1024282

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0106	0.0530	1	09/24/2017 08:27	WG1024032
Acrylonitrile	U		0.00190	0.0106	1	09/24/2017 08:27	WG1024032
Benzene	U		0.000286	0.00106	1	09/24/2017 08:27	WG1024032
Bromobenzene	U		0.000301	0.00106	1	09/24/2017 08:27	WG1024032
Bromodichloromethane	U		0.000269	0.00106	1	09/24/2017 08:27	WG1024032
Bromochloromethane	U		0.000414	0.00530	1	09/24/2017 08:27	WG1024032
Bromoform	U		0.000450	0.00106	1	09/24/2017 08:27	WG1024032
Bromomethane	U		0.00142	0.00530	1	09/24/2017 08:27	WG1024032
n-Butylbenzene	U		0.000274	0.00106	1	09/24/2017 08:27	WG1024032
sec-Butylbenzene	U		0.000213	0.00106	1	09/24/2017 08:27	WG1024032
tert-Butylbenzene	U		0.000218	0.00106	1	09/24/2017 08:27	WG1024032
Carbon disulfide	0.00171		0.000234	0.00106	1	09/24/2017 08:27	WG1024032
Carbon tetrachloride	U		0.000348	0.00106	1	09/24/2017 08:27	WG1024032
Chlorobenzene	U		0.000225	0.00106	1	09/24/2017 08:27	WG1024032
Chlorodibromomethane	U		0.000396	0.00106	1	09/24/2017 08:27	WG1024032
Chloroethane	U		0.00100	0.00530	1	09/24/2017 08:27	WG1024032
Chloroform	U		0.000243	0.00530	1	09/24/2017 08:27	WG1024032
Chloromethane	U		0.000398	0.00265	1	09/24/2017 08:27	WG1024032
2-Chlorotoluene	U		0.000319	0.00106	1	09/24/2017 08:27	WG1024032
4-Chlorotoluene	U		0.000255	0.00106	1	09/24/2017 08:27	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00530	1	09/24/2017 08:27	WG1024032
1,2-Dibromoethane	U		0.000364	0.00106	1	09/24/2017 08:27	WG1024032
Dibromomethane	U		0.000405	0.00106	1	09/24/2017 08:27	WG1024032
1,2-Dichlorobenzene	U		0.000323	0.00106	1	09/24/2017 08:27	WG1024032
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/24/2017 08:27	WG1024032
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/24/2017 08:27	WG1024032
Dichlorodifluoromethane	U		0.000756	0.00530	1	09/24/2017 08:27	WG1024032
1,1-Dichloroethane	U		0.000211	0.00106	1	09/24/2017 08:27	WG1024032
1,2-Dichloroethane	U		0.000281	0.00106	1	09/24/2017 08:27	WG1024032
1,1-Dichloroethene	0.000787	J	0.000321	0.00106	1	09/24/2017 08:27	WG1024032
cis-1,2-Dichloroethene	0.160		0.000249	0.00106	1	09/24/2017 08:27	WG1024032
trans-1,2-Dichloroethene	0.00183		0.000280	0.00106	1	09/24/2017 08:27	WG1024032
1,2-Dichloropropane	U		0.000380	0.00106	1	09/24/2017 08:27	WG1024032
1,1-Dichloropropene	U		0.000336	0.00106	1	09/24/2017 08:27	WG1024032
1,3-Dichloropropane	U		0.000220	0.00106	1	09/24/2017 08:27	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000278	0.00106	1	09/24/2017 08:27	WG1024032
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	09/24/2017 08:27	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000825	0.00265	1	09/24/2017 08:27	WG1024032
2,2-Dichloropropane	U	J0	0.000296	0.00106	1	09/24/2017 08:27	WG1024032
Di-isopropyl ether	U		0.000263	0.00106	1	09/24/2017 08:27	WG1024032
Ethylbenzene	U		0.000315	0.00106	1	09/24/2017 08:27	WG1024032
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	09/24/2017 08:27	WG1024032
2-Hexanone	U		0.00145	0.0106	1	09/24/2017 08:27	WG1024032
n-Hexane	0.000393	J	0.000308	0.0106	1	09/24/2017 08:27	WG1024032
Iodomethane	U		0.00268	0.0106	1	09/24/2017 08:27	WG1024032
Isopropylbenzene	U		0.000258	0.00106	1	09/24/2017 08:27	WG1024032
p-Isopropyltoluene	U		0.000216	0.00106	1	09/24/2017 08:27	WG1024032
2-Butanone (MEK)	U		0.00496	0.0106	1	09/24/2017 08:27	WG1024032
Methylene Chloride	U		0.00106	0.00530	1	09/24/2017 08:27	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/24/2017 08:27	WG1024032

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

Analyte	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	09/24/2017 08:27	WG1024032
Naphthalene	U		0.00106	0.00530	1	09/24/2017 08:27	WG1024032
n-Propylbenzene	U		0.000218	0.00106	1	09/24/2017 08:27	WG1024032
Styrene	U		0.000248	0.00106	1	09/24/2017 08:27	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	09/24/2017 08:27	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	09/24/2017 08:27	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	09/24/2017 08:27	WG1024032
Tetrachloroethene	4.34		0.00732	0.0265	25	10/01/2017 19:44	WG1024032
Toluene	U		0.000460	0.00530	1	09/24/2017 08:27	WG1024032
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	09/24/2017 08:27	WG1024032
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	09/24/2017 08:27	WG1024032
1,1,1-Trichloroethane	U		0.000303	0.00106	1	09/24/2017 08:27	WG1024032
1,1,2-Trichloroethane	U		0.000294	0.00106	1	09/24/2017 08:27	WG1024032
Trichloroethene	0.172		0.000296	0.00106	1	09/24/2017 08:27	WG1024032
Trichlorofluoromethane	U		0.000405	0.00530	1	09/24/2017 08:27	WG1024032
1,2,3-Trichloropropane	U		0.000786	0.00265	1	09/24/2017 08:27	WG1024032
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	09/24/2017 08:27	WG1024032
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	09/24/2017 08:27	WG1024032
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	09/24/2017 08:27	WG1024032
Vinyl acetate	U		0.00253	0.0106	1	09/24/2017 08:27	WG1024032
Vinyl chloride	U		0.000309	0.00106	1	09/24/2017 08:27	WG1024032
Xylenes, Total	U		0.000740	0.00318	1	09/24/2017 08:27	WG1024032
(S) Toluene-d8	*97.1*			*80.0-120*		*10/01/2017 19:44*	WG1024032
(S) Toluene-d8	*106*			*80.0-120*		*09/24/2017 08:27*	WG1024032
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*10/01/2017 19:44*	WG1024032
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/24/2017 08:27*	WG1024032
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*09/24/2017 08:27*	WG1024032
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 19:44*	WG1024032

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		1.05	25.0	1	09/27/2017 01:35	WG1024893
Acrylonitrile	U		0.873	5.00	1	09/27/2017 01:35	WG1024893
Benzene	U		0.0896	0.500	1	09/27/2017 01:35	WG1024893
Bromobenzene	U		0.133	0.500	1	09/27/2017 01:35	WG1024893
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 01:35	WG1024893
Bromochloromethane	U		0.145	0.500	1	09/27/2017 01:35	WG1024893
Bromoform	U		0.186	0.500	1	09/27/2017 01:35	WG1024893
Bromomethane	U		0.157	2.50	1	09/27/2017 01:35	WG1024893
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 01:35	WG1024893
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 01:35	WG1024893
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 01:35	WG1024893
Carbon disulfide	U		0.101	0.500	1	09/27/2017 01:35	WG1024893
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 01:35	WG1024893
Chlorobenzene	U		0.140	0.500	1	09/27/2017 01:35	WG1024893
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 01:35	WG1024893
Chloroethane	U		0.141	2.50	1	09/27/2017 01:35	WG1024893
Chloroform	U		0.0860	0.500	1	09/27/2017 01:35	WG1024893
Chloromethane	U		0.153	1.25	1	09/27/2017 01:35	WG1024893
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 01:35	WG1024893
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 01:35	WG1024893
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 01:35	WG1024893
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 01:35	WG1024893
Dibromomethane	U		0.117	0.500	1	09/27/2017 01:35	WG1024893
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 01:35	WG1024893
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 01:35	WG1024893
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 01:35	WG1024893
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 01:35	WG1024893
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 01:35	WG1024893
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 01:35	WG1024893
1,1-Dichloroethene	U		0.188	0.500	1	09/27/2017 01:35	WG1024893
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/27/2017 01:35	WG1024893
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 01:35	WG1024893
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 01:35	WG1024893
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 01:35	WG1024893
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 01:35	WG1024893
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 01:35	WG1024893
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 01:35	WG1024893
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/27/2017 01:35	WG1024893
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 01:35	WG1024893
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 01:35	WG1024893
Ethylbenzene	U		0.158	0.500	1	09/27/2017 01:35	WG1024893
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/02/2017 20:51	WG1024893
2-Hexanone	U		0.757	5.00	1	09/27/2017 01:35	WG1024893
n-Hexane	U		0.305	5.00	1	09/27/2017 01:35	WG1024893
Iodomethane	U		0.377	10.0	1	09/27/2017 01:35	WG1024893
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 01:35	WG1024893
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 01:35	WG1024893
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 01:35	WG1024893
Methylene Chloride	U		1.07	2.50	1	09/27/2017 01:35	WG1024893
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 01:35	WG1024893
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 01:35	WG1024893
Naphthalene	U		0.174	2.50	1	09/27/2017 01:35	WG1024893
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 01:35	WG1024893
Styrene	U		0.117	0.500	1	09/27/2017 01:35	WG1024893
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 01:35	WG1024893
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 01:35	WG1024893

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/27/2017 01:35	WG1024893
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 01:35	WG1024893
Toluene	U		0.412	0.500	1	09/27/2017 01:35	WG1024893
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 01:35	WG1024893
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 01:35	WG1024893
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 01:35	WG1024893
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 01:35	WG1024893
Trichloroethene	U		0.153	0.500	1	09/27/2017 01:35	WG1024893
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 01:35	WG1024893
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 01:35	WG1024893
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 01:35	WG1024893
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 01:35	WG1024893
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 01:35	WG1024893
Vinyl acetate	U		0.645	5.00	1	09/27/2017 01:35	WG1024893
Vinyl chloride	U		0.118	0.500	1	09/27/2017 01:35	WG1024893
Xylenes, Total	U		0.316	1.50	1	09/27/2017 01:35	WG1024893
(S) Toluene-d8	*105*			*80.0-120*		*10/02/2017 20:51*	WG1024893
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 01:35*	WG1024893
(S) Dibromofluoromethane	*90.8*			*76.0-123*		*10/02/2017 20:51*	WG1024893
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/27/2017 01:35*	WG1024893
(S) 4-Bromofluorobenzene	*90.6*			*80.0-120*		*09/27/2017 01:35*	WG1024893
(S) 4-Bromofluorobenzene	*99.2*			*80.0-120*		*10/02/2017 20:51*	WG1024893

Method Blank (MB)

(MB) R3252565-1 09/26/17 08:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000800			

L938636-06 Original Sample (OS) • Duplicate (DUP)

(OS) L938636-06 09/26/17 08:36 • (DUP) R3252565-3 09/26/17 08:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	91.2	90.8	1	0.422		5

Laboratory Control Sample (LCS)

(LCS) R3252565-2 09/26/17 08:36

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) R3252564-1 09/26/17 08:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000700			

L938236-02 Original Sample (OS) • Duplicate (DUP)

(OS) L938236-02 09/26/17 08:27 • (DUP) R3252564-3 09/26/17 08:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	73.0	72.8	1	0.237		5

Laboratory Control Sample (LCS)

(LCS) R3252564-2 09/26/17 08:27

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

Method Blank (MB)

(MB) R3253568-3 09/27/17 11:59

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)	*97.6*			*77.0-122*

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

(LCS) R3253568-1 09/27/17 10:48 • (LCSD) R3253568-2 09/27/17 11:11

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	4900	5360	89.1	97.5	72.0-134			9.06	20
(S) a,a,a-Trifluorotoluene(FID)				*106*	*106*	*77.0-122*				

L938609-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L938609-04 09/27/17 13:34 • (MS) R3253568-4 09/27/17 20:18 • (MSD) R3253568-5 09/27/17 20:41

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 %
Gasoline Range Organics-NWTPH	5500	ND	7340	10500	134	191	1	23.0-159		J3 J5	35.7	20
(S) a,a,a-Trifluorotoluene(FID)					*111*	*114*		*77.0-122*				

Method Blank (MB)

(MB) R3253788-3 09/24/17 01:35

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) R3253788-3 09/24/17 01:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*116*			*80.0-120*
(S) Dibromofluoromethane	*103*			*74.0-131*
(S) 4-Bromofluorobenzene	*110*			*64.0-132*

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

(LCS) R3253788-1 09/24/17 00:04 • (LCSD) R3253788-2 09/24/17 00:24

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	0.114	0.0976	91.6	78.1	11.0-160			16.0	23
Acrylonitrile	0.125	0.111	0.108	88.5	86.5	61.0-143			2.20	20
Benzene	0.0250	0.0249	0.0258	99.7	103	71.0-124			3.49	20
Bromobenzene	0.0250	0.0260	0.0270	104	108	78.0-120			3.64	20
Bromodichloromethane	0.0250	0.0265	0.0270	106	108	75.0-120			1.74	20
Bromoform	0.0250	0.0282	0.0287	113	115	65.0-133			1.76	20
Bromochloromethane	0.0250	0.0281	0.0281	113	113	80.0-121			0.0200	20
Bromomethane	0.0250	0.0230	0.0238	91.9	95.0	26.0-160			3.34	20
n-Butylbenzene	0.0250	0.0249	0.0264	99.6	106	73.0-126			5.94	20
sec-Butylbenzene	0.0250	0.0260	0.0271	104	108	75.0-121			3.95	20
tert-Butylbenzene	0.0250	0.0255	0.0266	102	106	74.0-122			3.97	20
Carbon tetrachloride	0.0250	0.0223	0.0230	89.3	91.8	66.0-123			2.81	20
Carbon disulfide	0.0250	0.0253	0.0261	101	104	53.0-130			3.12	20
Chlorobenzene	0.0250	0.0275	0.0280	110	112	79.0-121			1.62	20
Chlorodibromomethane	0.0250	0.0273	0.0271	109	108	74.0-128			0.670	20
Chloroethane	0.0250	0.0247	0.0254	98.7	102	51.0-147			3.02	20
Chloroform	0.0250	0.0252	0.0256	101	102	73.0-123			1.39	20
Chloromethane	0.0250	0.0227	0.0235	90.7	94.1	51.0-138			3.71	20
2-Chlorotoluene	0.0250	0.0261	0.0270	104	108	72.0-124			3.14	20
4-Chlorotoluene	0.0250	0.0264	0.0270	106	108	78.0-120			2.16	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0238	0.0235	95.3	93.9	65.0-126			1.44	20
1,2-Dibromoethane	0.0250	0.0296	0.0300	118	120	78.0-122			1.42	20
Dibromomethane	0.0250	0.0250	0.0251	99.9	100	79.0-120			0.440	20
1,2-Dichlorobenzene	0.0250	0.0251	0.0261	101	104	80.0-120			3.54	20
1,3-Dichlorobenzene	0.0250	0.0261	0.0270	104	108	72.0-123			3.65	20
1,4-Dichlorobenzene	0.0250	0.0264	0.0273	106	109	77.0-120			3.01	20
Dichlorodifluoromethane	0.0250	0.0266	0.0273	106	109	49.0-155			2.87	20
trans-1,4-Dichloro-2-butene	0.0250	0.0264	0.0252	105	101	68.0-126			4.53	20
1,1-Dichloroethane	0.0250	0.0258	0.0263	103	105	70.0-128			2.03	20
1,2-Dichloroethane	0.0250	0.0263	0.0267	105	107	69.0-128			1.41	20
1,1-Dichloroethene	0.0250	0.0242	0.0250	96.9	99.8	63.0-131			3.00	20
cis-1,2-Dichloroethene	0.0250	0.0256	0.0263	103	105	74.0-123			2.56	20
trans-1,2-Dichloroethene	0.0250	0.0258	0.0269	103	108	72.0-122			4.15	20
1,2-Dichloropropane	0.0250	0.0257	0.0267	103	107	75.0-126			4.15	20
1,1-Dichloropropene	0.0250	0.0247	0.0262	99.0	105	72.0-130			5.60	20
1,3-Dichloropropane	0.0250	0.0285	0.0288	114	115	80.0-121			0.930	20
cis-1,3-Dichloropropene	0.0250	0.0311	0.0319	124	128	80.0-125		J4	2.41	20
trans-1,3-Dichloropropene	0.0250	0.0301	0.0304	121	121	75.0-129			0.730	20
2,2-Dichloropropane	0.0250	0.0180	0.0186	71.9	74.4	60.0-129			3.54	20
Di-isopropyl ether	0.0250	0.0225	0.0230	90.2	91.8	62.0-133			1.85	20

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

(LCS) R3253788-1 09/24/17 00:04 • (LCSD) R3253788-2 09/24/17 00:24

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	0.0268	0.0275	107	110	77.0-120			2.43	20
Hexachloro-1,3-butadiene	0.0250	0.0261	0.0285	104	114	68.0-128			8.93	20
2-Hexanone	0.125	0.127	0.116	102	92.7	61.0-143			9.26	20
Isopropylbenzene	0.0250	0.0258	0.0265	103	106	75.0-120			2.54	20
n-Hexane	0.0250	0.0238	0.0247	95.0	98.9	57.0-125			3.98	20
Iodomethane	0.125	0.128	0.132	102	106	67.0-132			3.37	20
p-Isopropyltoluene	0.0250	0.0268	0.0283	107	113	74.0-125			5.62	20
2-Butanone (MEK)	0.125	0.113	0.102	90.6	81.4	37.0-159			10.7	20
Methylene Chloride	0.0250	0.0239	0.0245	95.5	98.0	67.0-123			2.59	20
4-Methyl-2-pentanone (MIBK)	0.125	0.109	0.106	87.6	84.7	60.0-144			3.37	20
Methyl tert-butyl ether	0.0250	0.0218	0.0215	87.2	86.0	66.0-125			1.40	20
Naphthalene	0.0250	0.0253	0.0260	101	104	64.0-125			2.70	20
n-Propylbenzene	0.0250	0.0265	0.0271	106	109	78.0-120			2.45	20
Styrene	0.0250	0.0283	0.0290	113	116	78.0-124			2.43	20
1,1,1,2-Tetrachloroethane	0.0250	0.0247	0.0248	98.8	99.4	74.0-124			0.580	20
1,1,2,2-Tetrachloroethane	0.0250	0.0250	0.0248	99.9	99.0	73.0-120			0.920	20
Tetrachloroethene	0.0250	0.0299	0.0305	120	122	70.0-127			1.90	20
Toluene	0.0250	0.0263	0.0272	105	109	77.0-120			3.55	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0220	0.0226	88.1	90.3	64.0-135			2.47	20
1,2,3-Trichlorobenzene	0.0250	0.0271	0.0284	108	113	68.0-126			4.62	20
1,2,4-Trichlorobenzene	0.0250	0.0257	0.0267	103	107	70.0-127			3.99	20
1,1,1-Trichloroethane	0.0250	0.0232	0.0240	92.7	96.1	69.0-125			3.62	20
1,1,2-Trichloroethane	0.0250	0.0276	0.0276	110	110	78.0-120			0.000	20
Trichloroethene	0.0250	0.0258	0.0268	103	107	79.0-120			3.78	20
Trichlorofluoromethane	0.0250	0.0244	0.0252	97.6	101	59.0-136			3.14	20
1,2,3-Trichloropropane	0.0250	0.0255	0.0247	102	98.7	73.0-124			3.09	20
1,2,3-Trimethylbenzene	0.0250	0.0234	0.0241	93.6	96.5	76.0-120			3.05	20
1,2,4-Trimethylbenzene	0.0250	0.0253	0.0259	101	104	75.0-120			2.54	20
1,3,5-Trimethylbenzene	0.0250	0.0262	0.0270	105	108	75.0-120			3.01	20
Vinyl chloride	0.0250	0.0253	0.0263	101	105	63.0-134			4.09	20
Xylenes, Total	0.0750	0.0804	0.0825	107	110	77.0-120			2.58	20
Vinyl acetate	0.125	0.141	0.141	113	113	58.0-156			0.380	20
(S) Toluene-d8				*113*	*112*	*80.0-120*				
(S) Dibromofluoromethane				*102*	*101*	*74.0-131*				
(S) 4-Bromofluorobenzene				*108*	*108*	*64.0-132*				

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

Method Blank (MB)

(MB) R3253753-3 09/29/17 12:41

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) R3253753-3 09/29/17 12:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
2-Hexanone	U		0.00137	0.0100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*116*			*80.0-120*
(S) Dibromofluoromethane	*101*			*74.0-131*
(S) 4-Bromofluorobenzene	*110*			*64.0-132*

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

(LCS) R3253753-1 09/29/17 10:41 • (LCSD) R3253753-2 09/29/17 11:01

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	0.0866	0.0631	69.3	50.4	11.0-160		J3	31.4	23
Acrylonitrile	0.125	0.100	0.0879	80.1	70.3	61.0-143			13.0	20
Benzene	0.0250	0.0242	0.0232	96.8	92.9	71.0-124			4.14	20
Bromobenzene	0.0250	0.0253	0.0250	101	100	78.0-120			1.29	20
Bromodichloromethane	0.0250	0.0251	0.0245	101	98.2	75.0-120			2.33	20
Bromoform	0.0250	0.0275	0.0258	110	103	65.0-133			6.39	20
Bromochloromethane	0.0250	0.0270	0.0256	108	103	80.0-121			5.13	20
Bromomethane	0.0250	0.0212	0.0201	84.9	80.4	26.0-160			5.36	20
n-Butylbenzene	0.0250	0.0242	0.0232	96.7	92.7	73.0-126			4.32	20
sec-Butylbenzene	0.0250	0.0255	0.0246	102	98.5	75.0-121			3.62	20
tert-Butylbenzene	0.0250	0.0252	0.0243	101	97.0	74.0-122			3.68	20
Carbon tetrachloride	0.0250	0.0218	0.0211	87.1	84.2	66.0-123			3.40	20
Carbon disulfide	0.0250	0.0254	0.0245	102	98.0	53.0-130			3.77	20
Chlorobenzene	0.0250	0.0282	0.0272	113	109	79.0-121			3.77	20
Chlorodibromomethane	0.0250	0.0273	0.0255	109	102	74.0-128			6.68	20
Chloroethane	0.0250	0.0229	0.0217	91.6	86.8	51.0-147			5.40	20
Chloroform	0.0250	0.0241	0.0233	96.5	93.3	73.0-123			3.37	20
Chloromethane	0.0250	0.0207	0.0196	82.9	78.3	51.0-138			5.66	20
2-Chlorotoluene	0.0250	0.0256	0.0254	102	102	72.0-124			0.720	20
4-Chlorotoluene	0.0250	0.0256	0.0253	102	101	78.0-120			1.05	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0215	0.0209	86.0	83.8	65.0-126			2.68	20
1,2-Dibromoethane	0.0250	0.0294	0.0278	118	111	78.0-122			5.60	20
Dibromomethane	0.0250	0.0231	0.0229	92.2	91.8	79.0-120			0.490	20
1,2-Dichlorobenzene	0.0250	0.0243	0.0243	97.2	97.3	80.0-120			0.0800	20
1,3-Dichlorobenzene	0.0250	0.0254	0.0250	102	99.9	72.0-123			1.57	20
1,4-Dichlorobenzene	0.0250	0.0253	0.0253	101	101	77.0-120			0.0200	20
Dichlorodifluoromethane	0.0250	0.0224	0.0214	89.5	85.4	49.0-155			4.61	20
trans-1,4-Dichloro-2-butene	0.0250	0.0226	0.0212	90.4	85.0	68.0-126			6.23	20
1,1-Dichloroethane	0.0250	0.0251	0.0244	101	97.7	70.0-128			2.89	20
1,2-Dichloroethane	0.0250	0.0249	0.0233	99.5	93.2	69.0-128			6.54	20
1,1-Dichloroethene	0.0250	0.0242	0.0233	96.8	93.1	63.0-131			3.99	20
cis-1,2-Dichloroethene	0.0250	0.0251	0.0238	100	95.4	74.0-123			5.18	20
trans-1,2-Dichloroethene	0.0250	0.0257	0.0252	103	101	72.0-122			2.16	20
1,2-Dichloropropane	0.0250	0.0245	0.0246	97.9	98.5	75.0-126			0.660	20
1,1-Dichloropropene	0.0250	0.0249	0.0235	99.5	94.1	72.0-130			5.66	20
1,3-Dichloropropane	0.0250	0.0283	0.0273	113	109	80.0-121			3.41	20
cis-1,3-Dichloropropene	0.0250	0.0313	0.0303	125	121	80.0-125			3.12	20
trans-1,3-Dichloropropene	0.0250	0.0301	0.0283	120	113	75.0-129			6.25	20
2,2-Dichloropropane	0.0250	0.0177	0.0174	70.8	69.6	60.0-129			1.65	20
Di-isopropyl ether	0.0250	0.0218	0.0205	87.0	82.0	62.0-133			6.01	20

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

(LCS) R3253753-1 09/29/17 10:41 • (LCSD) R3253753-2 09/29/17 11:01

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	0.0275	0.0265	110	106	77.0-120			3.50	20
Hexachloro-1,3-butadiene	0.0250	0.0250	0.0236	99.8	94.4	68.0-128			5.62	20
2-Hexanone	0.125	0.107	0.105	86.0	83.8	61.0-143			2.51	20
Isopropylbenzene	0.0250	0.0254	0.0249	102	99.6	75.0-120			2.01	20
n-Hexane	0.0250	0.0237	0.0222	94.8	88.9	57.0-125			6.44	20
Iodomethane	0.125	0.126	0.123	101	98.1	67.0-132			3.06	20
p-Isopropyltoluene	0.0250	0.0263	0.0255	105	102	74.0-125			2.85	20
2-Butanone (MEK)	0.125	0.0901	0.0810	72.1	64.8	37.0-159			10.7	20
Methylene Chloride	0.0250	0.0240	0.0231	95.8	92.5	67.0-123			3.56	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0987	0.0936	79.0	74.9	60.0-144			5.30	20
Methyl tert-butyl ether	0.0250	0.0201	0.0193	80.2	77.3	66.0-125			3.78	20
Naphthalene	0.0250	0.0235	0.0233	94.0	93.1	64.0-125			0.960	20
n-Propylbenzene	0.0250	0.0260	0.0253	104	101	78.0-120			2.74	20
Styrene	0.0250	0.0282	0.0287	113	115	78.0-124			1.72	20
1,1,1,2-Tetrachloroethane	0.0250	0.0250	0.0238	100	95.3	74.0-124			4.80	20
1,1,2,2-Tetrachloroethane	0.0250	0.0236	0.0228	94.2	91.1	73.0-120			3.36	20
Tetrachloroethene	0.0250	0.0304	0.0292	122	117	70.0-127			4.02	20
Toluene	0.0250	0.0271	0.0262	108	105	77.0-120			3.10	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0215	0.0209	85.8	83.5	64.0-135			2.78	20
1,2,3-Trichlorobenzene	0.0250	0.0254	0.0256	102	102	68.0-126			0.630	20
1,2,4-Trichlorobenzene	0.0250	0.0240	0.0238	95.9	95.3	70.0-127			0.580	20
1,1,1-Trichloroethane	0.0250	0.0227	0.0216	90.9	86.3	69.0-125			5.18	20
1,1,2-Trichloroethane	0.0250	0.0276	0.0264	110	105	78.0-120			4.53	20
Trichloroethene	0.0250	0.0250	0.0245	99.9	97.9	79.0-120			2.05	20
Trichlorofluoromethane	0.0250	0.0222	0.0217	88.8	87.0	59.0-136			2.06	20
1,2,3-Trichloropropane	0.0250	0.0238	0.0221	95.0	88.3	73.0-124			7.34	20
1,2,3-Trimethylbenzene	0.0250	0.0226	0.0224	90.5	89.6	76.0-120			1.06	20
1,2,4-Trimethylbenzene	0.0250	0.0246	0.0241	98.2	96.6	75.0-120			1.68	20
1,3,5-Trimethylbenzene	0.0250	0.0258	0.0249	103	99.7	75.0-120			3.34	20
Vinyl chloride	0.0250	0.0231	0.0220	92.3	88.2	63.0-134			4.62	20
Xylenes, Total	0.0750	0.0821	0.0790	109	105	77.0-120			3.85	20
Vinyl acetate	0.125	0.128	0.121	103	96.9	58.0-156			5.75	20
(S) Toluene-d8				*118*	*117*	*80.0-120*				
(S) Dibromofluoromethane				*103*	*99.3*	*74.0-131*				
(S) 4-Bromofluorobenzene				*107*	*108*	*64.0-132*				

Method Blank (MB)

(MB) R3253957-2 09/27/17 01:14

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) R3253957-2 09/27/17 01:14

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	0.525	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	0.230	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	0.238	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	*104*			*80.0-120*
(S) Dibromofluoromethane	*102*			*76.0-123*
(S) 4-Bromofluorobenzene	*92.1*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3253957-1 09/27/17 00:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	141	113	10.0-160	
Acrylonitrile	125	143	115	60.0-142	
Benzene	25.0	26.4	106	69.0-123	
Bromobenzene	25.0	24.2	96.8	79.0-120	
Bromodichloromethane	25.0	24.6	98.5	76.0-120	
Bromochloromethane	25.0	26.4	105	76.0-122	
Bromoform	25.0	25.0	100	67.0-132	
Bromomethane	25.0	32.0	128	18.0-160	
n-Butylbenzene	25.0	27.8	111	72.0-126	
sec-Butylbenzene	25.0	27.4	109	74.0-121	
tert-Butylbenzene	25.0	26.4	106	75.0-122	
Carbon disulfide	25.0	26.6	106	55.0-127	
Carbon tetrachloride	25.0	27.1	108	63.0-122	
Chlorobenzene	25.0	25.7	103	79.0-121	
Chlorodibromomethane	25.0	26.4	106	75.0-125	
Chloroethane	25.0	33.5	134	47.0-152	
Chloroform	25.0	26.9	108	72.0-121	
Chloromethane	25.0	28.5	114	48.0-139	
2-Chlorotoluene	25.0	25.4	101	74.0-122	
4-Chlorotoluene	25.0	25.1	100	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	25.7	103	64.0-127	
1,2-Dibromoethane	25.0	25.5	102	77.0-123	
Dibromomethane	25.0	25.9	103	78.0-120	
1,2-Dichlorobenzene	25.0	26.0	104	80.0-120	
1,3-Dichlorobenzene	25.0	25.2	101	72.0-123	
1,4-Dichlorobenzene	25.0	25.4	102	77.0-120	
Dichlorodifluoromethane	25.0	38.1	152	49.0-155	
1,1-Dichloroethane	25.0	27.0	108	70.0-126	
1,2-Dichloroethane	25.0	26.5	106	67.0-126	
1,1-Dichloroethene	25.0	27.2	109	64.0-129	
cis-1,2-Dichloroethene	25.0	26.8	107	73.0-120	
trans-1,2-Dichloroethene	25.0	27.2	109	71.0-121	
1,2-Dichloropropane	25.0	25.4	102	75.0-125	
1,1-Dichloropropene	25.0	28.8	115	71.0-129	
1,3-Dichloropropane	25.0	26.2	105	80.0-121	
cis-1,3-Dichloropropene	25.0	26.4	106	79.0-123	
trans-1,3-Dichloropropene	25.0	25.7	103	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	20.2	80.9	55.0-134	
2,2-Dichloropropane	25.0	28.8	115	60.0-125	
Di-isopropyl ether	25.0	25.6	102	59.0-133	

Laboratory Control Sample (LCS)

(LCS) R3253957-1 09/27/17 00:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	25.0	26.0	104	77.0-120	
Hexachloro-1,3-butadiene	25.0	27.0	108	64.0-131	
2-Hexanone	125	135	108	58.0-147	
n-Hexane	25.0	28.7	115	56.0-124	
Iodomethane	125	139	111	57.0-140	
Isopropylbenzene	25.0	25.4	102	75.0-120	
p-Isopropyltoluene	25.0	27.4	109	74.0-126	
2-Butanone (MEK)	125	129	103	37.0-158	
Methylene Chloride	25.0	26.0	104	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	133	106	59.0-143	
Methyl tert-butyl ether	25.0	26.1	104	64.0-123	
Naphthalene	25.0	25.1	100	62.0-128	
n-Propylbenzene	25.0	25.4	101	79.0-120	
Styrene	25.0	24.9	99.7	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	25.8	103	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	23.4	93.6	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	30.8	123	61.0-136	
Tetrachloroethene	25.0	25.5	102	70.0-127	
Toluene	25.0	25.4	102	77.0-120	
1,2,3-Trichlorobenzene	25.0	25.9	104	61.0-133	
1,2,4-Trichlorobenzene	25.0	25.5	102	69.0-129	
1,1,1-Trichloroethane	25.0	27.4	110	68.0-122	
1,1,2-Trichloroethane	25.0	25.1	100	78.0-120	
Trichloroethene	25.0	26.5	106	78.0-120	
Trichlorofluoromethane	25.0	32.1	129	56.0-137	
1,2,3-Trichloropropane	25.0	24.3	97.2	72.0-124	
1,2,4-Trimethylbenzene	25.0	25.0	100	75.0-120	
1,2,3-Trimethylbenzene	25.0	28.0	112	75.0-120	
1,3,5-Trimethylbenzene	25.0	25.6	102	75.0-120	
Vinyl acetate	125	143	115	46.0-160	
Vinyl chloride	25.0	31.5	126	64.0-133	
Xylenes, Total	75.0	76.8	102	77.0-120	
(S) Toluene-d8			*102*	*80.0-120*	
(S) Dibromofluoromethane			*103*	*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.
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.

State Accreditations

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

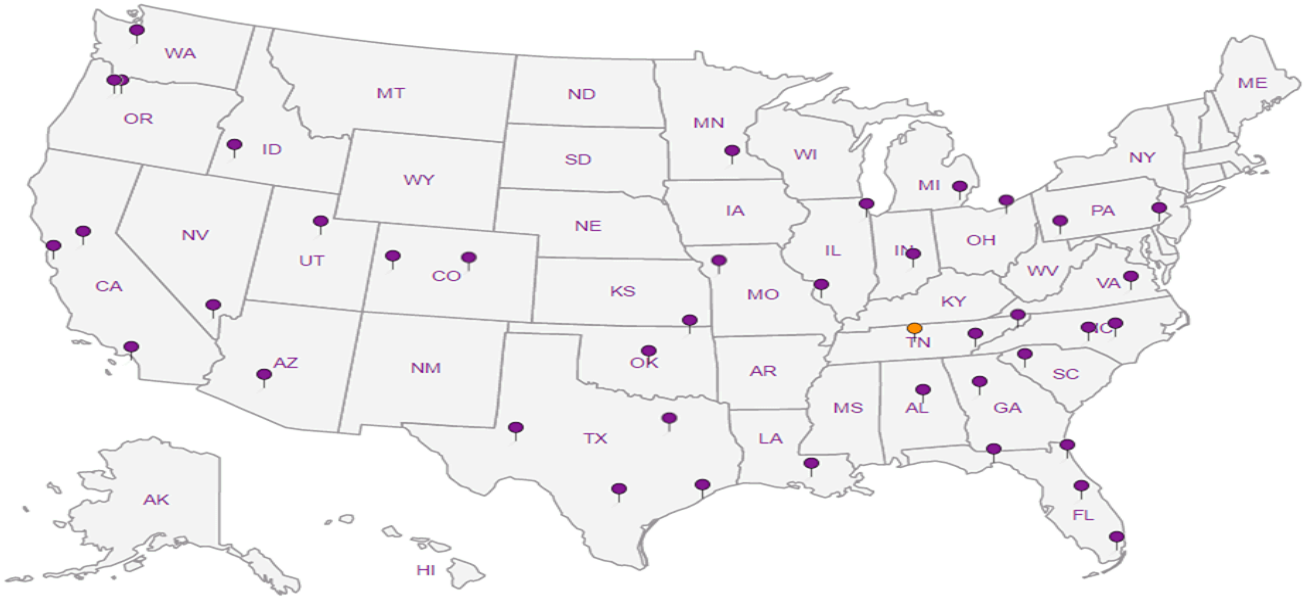
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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	NWTPHGX 2oz Clr-NoPres TS HCl	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOC 8260C 2oz Clr-NoPres 40 ml/HCl	VOC 8260C 40ml/NaHS04/Syr/MeOH	Remarks	Sample # (lab only)
B-915-80	GRAB	SS	80	9/20/17	1430	5	X			X		-01
B-221-16		SS	16		1450	5	X			X		-02
B-221-22		SS	22		1455	5	X			X		-03
B-221-33		SS	33		1515	5	X			X		-04
B-221-37		SS	37		1520	5	X			X		-05
B-221-45		SS	45		1540	5	X			X		-06
B-221-50		SS	50		1545	5	X			X		-07
MW-138-092117		GW SS	110	9/21/17	10:10	6		X	X			-08
B-221-60		SS	60	9/20/17	1720	5	X			X		-09
B-221-70		SS	70	9/21/17	08:50	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 __ FedEx __ Courier ___

Tracking #

Trip Blank Received: (Yes) / No
HCL / MeoH
TBR

Temp: 0.9 °C Bottles Received: 81

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)
	9/21/17	1430	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Date: 9-22-17 Time: 0845

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# 938636
G209

Acctnum: PESENVSWA
Template: T127855
Prelogin: P618512
TSR: 110 - Brian Ford
PB:
Shipped Via:

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

Email To: bhaldeman@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

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON McKERNAN

Site/Facility ID # 1413 001 02 002

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	NWTPHGX 2ozClr-NoPres TS	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOC 8260C ~~2ozClr-NoPres~~ 40 mL	VOC 8260C 40ml/NaHS04/Syr/MeOH	Remarks	Sample # (lab only)
B-222-17	GRAB	SS	17	9/21/17	1135	5	X			X		-11
B-222-25		SS	25		1155	5	X			X		-12
B-222-34		SS	34		1310	5	X			X		-13
B-222-42		SS	42		1300	5	X			X		-14
B-222-50	↓	SS	50	↓	1255	5	X			X		-15
B-916-30	↓	SS	30	↓	1330	5	X			X		-16
TRIP BLANK-092117	NA	~~NA~~ SS	NA	5/15/17	NA	1			X			-17
		SS										
		SS										
		SS										

Chain of Custody Page ___ of ___

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

L# 938636

Table #

Acctnum: PESENVSWA

Template: T127855

Prelogin: P618512

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:

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)
SHANNON McKERNAN	9/21/17	1430	
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: 0.9 °C Bottles Received: 81

Date: 9-22-17 Time: 0945

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

MEMORANDUM

TO: Project File **DATE:** October 17, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 20-21, 2017 – Soil and Groundwater Samples

LAB: ESC Lab ID L938636

Fifteen (15) soil samples including two field duplicates, one (1) groundwater sample, and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 20-21, 2017. 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 range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology; and
- Total Solids by Standard Methods 2540 G-2011.

The results are reported in ESC Sample Delivery Group (SDG) L938636. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L938636 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 20-21, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 0.9 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved waters from the date of sample 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.

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, trans-1,4-dichloro-2-butene, 2,2-dichloropropane, di-isopropyl ether, n-hexane, and 4-methyl-2-pentanone (MIBK) associated with analytical batch WG1026247 (analyzed on October 1, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All**

associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone, acrylonitrile, bromomethane, 2-hexanone, 2-butanone, 4-methyl-2-pentanone, and methyl tert-butyl ether associated with analytical batch WG1026247 (analyzed on September 29, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for 2,2-dichloropropane, and tetrachloroethene associated with analytical batch WG1024032 (analyzed on September 24, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for 2,2-dichloropropane associated with analytical batch WG1024032 (analyzed on September 24, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

Method Blank Results

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

- Batch WG1024893 (for waters): Hexachloro-1,3-butadiene, naphthalene and 1,2,3-trichlorobenzene were detected above the method detection limit (MDL) and below the RDL in the method blank. No action was taken since these compounds were not detected in the associated sample.

NWTPH-Gx Method:
Laboratory method blank was included with the analytical batch per method requirement. The target analyte (gasoline) was not detected in the method blank at or above the RDL.

Total Solids by SM 2540 G 2011:
Laboratory method blank was 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:
A trip blank was collected and submitted for VOC analysis. The target analytes were not detected in the trip blank at or above the RDL.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Two pairs of field duplicate (samples B-221-37/ B-915-80 and samples B-222-50/B-916-30) results are comparable for VOCs and less than 30% RPD with the following exceptions:

- Field duplicate sample pair (B-222-50 and B-916-30) RPDs are greater than 30% for cis-1,2-dichloroethene, and trichloroethene. **Sample field duplicate (B-222-50 and B-916-30) results for cis-1,2-dichloroethene and trichloroethene 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:
Laboratory duplicate samples were not analyzed. Refer to LCS/LCSD and MS/MSD results for precision data on waters.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed on two client samples B-221-16 and B-221-45. 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, LCS, LCS/LCSDs, and the method blanks are within the laboratory surrogate control limits for all of the analyses.

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

Laboratory Control Samples

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

- LCS/LCSD (Batch WG1026247 for soils) RPD result for acetone is above laboratory acceptance criteria (20%) and qualified by the laboratory (J3). No action was taken on this basis as LCS/LCSD percent recovery results are recovered wide but are within control limits.

- LCSD (Batch WG1024032 for soils) recovery for cis-1,3-dichloropropene is above laboratory acceptance criteria, and qualified by the laboratory (J4). No action was necessary as this compound was not detected in the associated samples.

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPD for the control analyte (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 not performed. Refer to LCS/LCSD results for accuracy and precision water and soil data.

NWTPH-Gx Method:
MS/MSDs were analyzed by the NWTPH-Gx method on a non-client sample within the analytical batch. The MS/MSD %Rs and RPD for the control analyte (gasoline) are within the laboratory control criteria for waters with the following exception:

- MSD (Batch WG1024796 for waters) spike recovery is above laboratory control criteria and qualified by the laboratory (J5) to indicate that there was matrix interference. Gasoline MS/MSD RPD is above laboratory criteria and qualified by the laboratory (J3). No action is taken since the spike was performed on a non-client sample and LCS/LCSD RPD and percent recoveries are acceptable.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following exceptions:

- *USEPA Method 8260C:* VOC results for soil samples B-221-37 including field duplicate B-915-80, B-221-16, B-221-22, B-221-33, B-221-45, B-221-50, B-221-60, and B-222-50

are footnoted by ESC to indicate that the target compound(s) were too high to run the sample at a lower dilution. No action is taken other than to note this.

- *USEPA Method 8260C:* VOC result for water sample MW-138-092117 is footnoted to indicate that due to sediment in the vial the sample was diluted two fold. No action is taken other than to note this.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	1.15	5.73	100	10/01/2017 15:02	WG1026247
Acrylonitrile	U		0.205	1.15	100	10/01/2017 15:02	WG1026247
Benzene	U		0.0309	0.115	100	10/01/2017 15:02	WG1026247
Bromobenzene	U		0.0325	0.115	100	10/01/2017 15:02	WG1026247
Bromodichloromethane	U		0.0291	0.115	100	10/01/2017 15:02	WG1026247
Bromochloromethane	U		0.0447	0.573	100	10/01/2017 15:02	WG1026247
Bromoform	U		0.0486	0.115	100	10/01/2017 15:02	WG1026247
Bromomethane	U		0.154	0.573	100	10/01/2017 15:02	WG1026247
n-Butylbenzene	U		0.0296	0.115	100	10/01/2017 15:02	WG1026247
sec-Butylbenzene	U		0.0230	0.115	100	10/01/2017 15:02	WG1026247
tert-Butylbenzene	U		0.0236	0.115	100	10/01/2017 15:02	WG1026247
Carbon disulfide	U		0.0253	0.115	100	10/01/2017 15:02	WG1026247
Carbon tetrachloride	U		0.0376	0.115	100	10/01/2017 15:02	WG1026247
Chlorobenzene	U		0.0243	0.115	100	10/01/2017 15:02	WG1026247
Chlorodibromomethane	U		0.0428	0.115	100	10/01/2017 15:02	WG1026247
Chloroethane	U		0.108	0.573	100	10/01/2017 15:02	WG1026247
Chloroform	U		0.0262	0.573	100	10/01/2017 15:02	WG1026247
Chloromethane	U		0.0430	0.287	100	10/01/2017 15:02	WG1026247
2-Chlorotoluene	U		0.0345	0.115	100	10/01/2017 15:02	WG1026247
4-Chlorotoluene	U		0.0275	0.115	100	10/01/2017 15:02	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.120	0.573	100	10/01/2017 15:02	WG1026247
1,2-Dibromoethane	U		0.0393	0.115	100	10/01/2017 15:02	WG1026247
Dibromomethane	U		0.0438	0.115	100	10/01/2017 15:02	WG1026247
1,2-Dichlorobenzene	U		0.0350	0.115	100	10/01/2017 15:02	WG1026247
1,3-Dichlorobenzene	U		0.0274	0.115	100	10/01/2017 15:02	WG1026247
1,4-Dichlorobenzene	U		0.0259	0.115	100	10/01/2017 15:02	WG1026247
Dichlorodifluoromethane	U		0.0817	0.573	100	10/01/2017 15:02	WG1026247
1,1-Dichloroethane	U		0.0228	0.115	100	10/01/2017 15:02	WG1026247
1,2-Dichloroethane	U		0.0304	0.115	100	10/01/2017 15:02	WG1026247
1,1-Dichloroethene	U		0.0347	0.115	100	10/01/2017 15:02	WG1026247
cis-1,2-Dichloroethene	0.342		0.0269	0.115	100	10/01/2017 15:02	WG1026247
trans-1,2-Dichloroethene	U		0.0303	0.115	100	10/01/2017 15:02	WG1026247
1,2-Dichloropropane	U		0.0410	0.115	100	10/01/2017 15:02	WG1026247
1,1-Dichloropropene	U		0.0363	0.115	100	10/01/2017 15:02	WG1026247
1,3-Dichloropropane	U		0.0237	0.115	100	10/01/2017 15:02	WG1026247
cis-1,3-Dichloropropene	U		0.0300	0.115	100	10/01/2017 15:02	WG1026247
trans-1,3-Dichloropropene	U		0.0306	0.115	100	10/01/2017 15:02	WG1026247
trans-1,4-Dichloro-2-butene	U	UJ J0	0.0892	0.287	100	10/01/2017 15:02	WG1026247
2,2-Dichloropropane	U	UJ J0	0.0320	0.115	100	10/01/2017 15:02	WG1026247
Di-isopropyl ether	U	UJ J0	0.0284	0.115	100	10/01/2017 15:02	WG1026247
Ethylbenzene	U		0.0340	0.115	100	10/01/2017 15:02	WG1026247
Hexachloro-1,3-butadiene	U		0.0392	0.115	100	10/01/2017 15:02	WG1026247
2-Hexanone	U		0.157	1.15	100	10/01/2017 15:02	WG1026247
n-Hexane	U	UJ J0	0.0332	1.15	100	10/01/2017 15:02	WG1026247
Iodomethane	U		0.290	1.15	100	10/01/2017 15:02	WG1026247
Isopropylbenzene	U		0.0279	0.115	100	10/01/2017 15:02	WG1026247
p-Isopropyltoluene	U		0.0234	0.115	100	10/01/2017 15:02	WG1026247
2-Butanone (MEK)	U		0.536	1.15	100	10/01/2017 15:02	WG1026247
Methylene Chloride	U		0.115	0.573	100	10/01/2017 15:02	WG1026247
4-Methyl-2-pentanone (MIBK)	U	UJ J0	0.215	1.15	100	10/01/2017 15:02	WG1026247

JC 10/17/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0243	0.115	100	10/01/2017 15:02	WG1026247
Naphthalene	U		0.115	0.573	100	10/01/2017 15:02	WG1026247
n-Propylbenzene	U		0.0236	0.115	100	10/01/2017 15:02	WG1026247
Styrene	U		0.0268	0.115	100	10/01/2017 15:02	WG1026247
1,1,1,2-Tetrachloroethane	U		0.0303	0.115	100	10/01/2017 15:02	WG1026247
1,1,2,2-Tetrachloroethane	U		0.0418	0.115	100	10/01/2017 15:02	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.0418	0.115	100	10/01/2017 15:02	WG1026247
Tetrachloroethene	7.54		0.0316	0.115	100	10/01/2017 15:02	WG1026247
Toluene	U		0.0497	0.573	100	10/01/2017 15:02	WG1026247
1,2,3-Trichlorobenzene	U		0.0351	0.115	100	10/01/2017 15:02	WG1026247
1,2,4-Trichlorobenzene	U		0.0445	0.115	100	10/01/2017 15:02	WG1026247
1,1,1-Trichloroethane	U		0.0328	0.115	100	10/01/2017 15:02	WG1026247
1,1,2-Trichloroethane	U		0.0317	0.115	100	10/01/2017 15:02	WG1026247
Trichloroethene	0.400		0.0320	0.115	100	10/01/2017 15:02	WG1026247
Trichlorofluoromethane	U		0.0438	0.573	100	10/01/2017 15:02	WG1026247
1,2,3-Trichloropropane	U		0.0849	0.287	100	10/01/2017 15:02	WG1026247
1,2,4-Trimethylbenzene	U		0.0242	0.115	100	10/01/2017 15:02	WG1026247
1,2,3-Trimethylbenzene	U		0.0329	0.115	100	10/01/2017 15:02	WG1026247
1,3,5-Trimethylbenzene	U		0.0305	0.115	100	10/01/2017 15:02	WG1026247
Vinyl acetate	U		0.274	1.15	100	10/01/2017 15:02	WG1026247
Vinyl chloride	U		0.0334	0.115	100	10/01/2017 15:02	WG1026247
Xylenes, Total	U		0.0800	0.344	100	10/01/2017 15:02	WG1026247
(S) Toluene-d8	*105*			*80.0-120*		*10/01/2017 15:02*	WG1026247
(S) Dibromofluoromethane	*99.2*			*74.0-131*		*10/01/2017 15:02*	WG1026247
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 15:02*	WG1026247

Sample Narrative:

L938636-01 WG1026247: Target compound too high to run at a lower dilution.

JC 10/17/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	0.293	1.46	25	10/01/2017 14:42	WG1026247
Acrylonitrile	U		0.0525	0.293	25	10/01/2017 14:42	WG1026247
Benzene	U		0.00791	0.0293	25	10/01/2017 14:42	WG1026247
Bromobenzene	U		0.00832	0.0293	25	10/01/2017 14:42	WG1026247
Bromodichloromethane	U		0.00744	0.0293	25	10/01/2017 14:42	WG1026247
Bromochloromethane	U		0.0114	0.146	25	10/01/2017 14:42	WG1026247
Bromoform	U		0.0124	0.0293	25	10/01/2017 14:42	WG1026247
Bromomethane	U		0.0393	0.146	25	10/01/2017 14:42	WG1026247
n-Butylbenzene	U		0.00756	0.0293	25	10/01/2017 14:42	WG1026247
sec-Butylbenzene	U		0.00588	0.0293	25	10/01/2017 14:42	WG1026247
tert-Butylbenzene	U		0.00603	0.0293	25	10/01/2017 14:42	WG1026247
Carbon disulfide	U		0.00647	0.0293	25	10/01/2017 14:42	WG1026247
Carbon tetrachloride	U		0.00961	0.0293	25	10/01/2017 14:42	WG1026247
Chlorobenzene	U		0.00621	0.0293	25	10/01/2017 14:42	WG1026247
Chlorodibromomethane	U		0.0109	0.0293	25	10/01/2017 14:42	WG1026247
Chloroethane	U		0.0277	0.146	25	10/01/2017 14:42	WG1026247
Chloroform	U		0.00670	0.146	25	10/01/2017 14:42	WG1026247
Chloromethane	U		0.0110	0.0732	25	10/01/2017 14:42	WG1026247
2-Chlorotoluene	U		0.00881	0.0293	25	10/01/2017 14:42	WG1026247
4-Chlorotoluene	U		0.00703	0.0293	25	10/01/2017 14:42	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.0307	0.146	25	10/01/2017 14:42	WG1026247
1,2-Dibromoethane	U		0.0101	0.0293	25	10/01/2017 14:42	WG1026247
Dibromomethane	U		0.0112	0.0293	25	10/01/2017 14:42	WG1026247
1,2-Dichlorobenzene	U		0.00893	0.0293	25	10/01/2017 14:42	WG1026247
1,3-Dichlorobenzene	U		0.00701	0.0293	25	10/01/2017 14:42	WG1026247
1,4-Dichlorobenzene	U		0.00662	0.0293	25	10/01/2017 14:42	WG1026247
Dichlorodifluoromethane	U		0.0209	0.146	25	10/01/2017 14:42	WG1026247
1,1-Dichloroethane	U		0.00584	0.0293	25	10/01/2017 14:42	WG1026247
1,2-Dichloroethane	U		0.00776	0.0293	25	10/01/2017 14:42	WG1026247
1,1-Dichloroethene	U		0.00888	0.0293	25	10/01/2017 14:42	WG1026247
cis-1,2-Dichloroethene	1.37		0.00689	0.0293	25	10/01/2017 14:42	WG1026247
trans-1,2-Dichloroethene	U		0.00773	0.0293	25	10/01/2017 14:42	WG1026247
1,2-Dichloropropane	U		0.0105	0.0293	25	10/01/2017 14:42	WG1026247
1,1-Dichloropropene	U		0.00928	0.0293	25	10/01/2017 14:42	WG1026247
1,3-Dichloropropane	U		0.00607	0.0293	25	10/01/2017 14:42	WG1026247
cis-1,3-Dichloropropene	U		0.00768	0.0293	25	10/01/2017 14:42	WG1026247
trans-1,3-Dichloropropene	U		0.00783	0.0293	25	10/01/2017 14:42	WG1026247
trans-1,4-Dichloro-2-butene	U UJ	J0	0.0227	0.0732	25	10/01/2017 14:42	WG1026247
2,2-Dichloropropane	U UJ	J0	0.00818	0.0293	25	10/01/2017 14:42	WG1026247
Di-isopropyl ether	U UJ	J0	0.00727	0.0293	25	10/01/2017 14:42	WG1026247
Ethylbenzene	U		0.00869	0.0293	25	10/01/2017 14:42	WG1026247
Hexachloro-1,3-butadiene	U		0.0100	0.0293	25	10/01/2017 14:42	WG1026247
2-Hexanone	U		0.0401	0.293	25	10/01/2017 14:42	WG1026247
n-Hexane	U UJ	J0	0.00850	0.293	25	10/01/2017 14:42	WG1026247
Iodomethane	U		0.0741	0.293	25	10/01/2017 14:42	WG1026247
Isopropylbenzene	U		0.00712	0.0293	25	10/01/2017 14:42	WG1026247
p-Isopropyltoluene	U		0.00598	0.0293	25	10/01/2017 14:42	WG1026247
2-Butanone (MEK)	U		0.137	0.293	25	10/01/2017 14:42	WG1026247
Methylene Chloride	U		0.0293	0.146	25	10/01/2017 14:42	WG1026247
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.0551	0.293	25	10/01/2017 14:42	WG1026247

JC 10/17/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.00621	0.0293	25	10/01/2017 14:42	WG1026247
Naphthalene	U		0.0293	0.146	25	10/01/2017 14:42	WG1026247
n-Propylbenzene	U		0.00603	0.0293	25	10/01/2017 14:42	WG1026247
Styrene	U		0.00686	0.0293	25	10/01/2017 14:42	WG1026247
1,1,1,2-Tetrachloroethane	U		0.00773	0.0293	25	10/01/2017 14:42	WG1026247
1,1,2,2-Tetrachloroethane	U		0.0107	0.0293	25	10/01/2017 14:42	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.0107	0.0293	25	10/01/2017 14:42	WG1026247
Tetrachloroethene	0.539		0.00809	0.0293	25	10/01/2017 14:42	WG1026247
Toluene	U		0.0127	0.146	25	10/01/2017 14:42	WG1026247
1,2,3-Trichlorobenzene	U		0.00896	0.0293	25	10/01/2017 14:42	WG1026247
1,2,4-Trichlorobenzene	U		0.0114	0.0293	25	10/01/2017 14:42	WG1026247
1,1,1-Trichloroethane	U		0.00838	0.0293	25	10/01/2017 14:42	WG1026247
1,1,2-Trichloroethane	U		0.00811	0.0293	25	10/01/2017 14:42	WG1026247
Trichloroethene	0.250		0.00818	0.0293	25	10/01/2017 14:42	WG1026247
Trichlorofluoromethane	U		0.0112	0.146	25	10/01/2017 14:42	WG1026247
1,2,3-Trichloropropane	U		0.0217	0.0732	25	10/01/2017 14:42	WG1026247
1,2,4-Trimethylbenzene	U		0.00619	0.0293	25	10/01/2017 14:42	WG1026247
1,2,3-Trimethylbenzene	U		0.00841	0.0293	25	10/01/2017 14:42	WG1026247
1,3,5-Trimethylbenzene	U		0.00779	0.0293	25	10/01/2017 14:42	WG1026247
Vinyl acetate	U		0.0701	0.293	25	10/01/2017 14:42	WG1026247
Vinyl chloride	0.0805		0.00853	0.0293	25	10/01/2017 14:42	WG1026247
Xylenes, Total	U		0.0204	0.0879	25	10/01/2017 14:42	WG1026247
(S) Toluene-d8	*113*			*80.0-120*		*10/01/2017 14:42*	WG1026247
(S) Dibromofluoromethane	*98.9*			*74.0-131*		*10/01/2017 14:42*	WG1026247
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*10/01/2017 14:42*	WG1026247

Sample Narrative:

L938636-02 WG1026247: Target compound too high to run at a lower dilution.

JC 10/17/17

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	86.9		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	11.5	57.5	1000	09/29/2017 19:48	WG1026247
Acrylonitrile	U UJ	J0	2.06	11.5	1000	09/29/2017 19:48	WG1026247
Benzene	U		0.311	1.15	1000	09/29/2017 19:48	WG1026247
Bromobenzene	U		0.327	1.15	1000	09/29/2017 19:48	WG1026247
Bromodichloromethane	U		0.292	1.15	1000	09/29/2017 19:48	WG1026247
Bromochloromethane	U		0.449	5.75	1000	09/29/2017 19:48	WG1026247
Bromoform	U		0.488	1.15	1000	09/29/2017 19:48	WG1026247
Bromomethane	U UJ	J0	1.54	5.75	1000	09/29/2017 19:48	WG1026247
n-Butylbenzene	U		0.297	1.15	1000	09/29/2017 19:48	WG1026247
sec-Butylbenzene	U		0.231	1.15	1000	09/29/2017 19:48	WG1026247
tert-Butylbenzene	U		0.237	1.15	1000	09/29/2017 19:48	WG1026247
Carbon disulfide	U		0.254	1.15	1000	09/29/2017 19:48	WG1026247
Carbon tetrachloride	U		0.377	1.15	1000	09/29/2017 19:48	WG1026247
Chlorobenzene	U		0.244	1.15	1000	09/29/2017 19:48	WG1026247
Chlorodibromomethane	U		0.429	1.15	1000	09/29/2017 19:48	WG1026247
Chloroethane	U		1.09	5.75	1000	09/29/2017 19:48	WG1026247
Chloroform	U		0.263	5.75	1000	09/29/2017 19:48	WG1026247
Chloromethane	U		0.431	2.88	1000	09/29/2017 19:48	WG1026247
2-Chlorotoluene	U		0.346	1.15	1000	09/29/2017 19:48	WG1026247
4-Chlorotoluene	U		0.276	1.15	1000	09/29/2017 19:48	WG1026247
1,2-Dibromo-3-Chloropropane	U		1.21	5.75	1000	09/29/2017 19:48	WG1026247
1,2-Dibromoethane	U		0.395	1.15	1000	09/29/2017 19:48	WG1026247
Dibromomethane	U		0.439	1.15	1000	09/29/2017 19:48	WG1026247
1,2-Dichlorobenzene	U		0.351	1.15	1000	09/29/2017 19:48	WG1026247
1,3-Dichlorobenzene	U		0.275	1.15	1000	09/29/2017 19:48	WG1026247
1,4-Dichlorobenzene	U		0.260	1.15	1000	09/29/2017 19:48	WG1026247
Dichlorodifluoromethane	U		0.820	5.75	1000	09/29/2017 19:48	WG1026247
1,1-Dichloroethane	U		0.229	1.15	1000	09/29/2017 19:48	WG1026247
1,2-Dichloroethane	U		0.305	1.15	1000	09/29/2017 19:48	WG1026247
1,1-Dichloroethene	U		0.349	1.15	1000	09/29/2017 19:48	WG1026247
cis-1,2-Dichloroethene	2.56		0.270	1.15	1000	09/29/2017 19:48	WG1026247
trans-1,2-Dichloroethene	U		0.304	1.15	1000	09/29/2017 19:48	WG1026247
1,2-Dichloropropane	U		0.412	1.15	1000	09/29/2017 19:48	WG1026247
1,1-Dichloropropene	U		0.365	1.15	1000	09/29/2017 19:48	WG1026247
1,3-Dichloropropane	U		0.238	1.15	1000	09/29/2017 19:48	WG1026247
cis-1,3-Dichloropropene	U		0.301	1.15	1000	09/29/2017 19:48	WG1026247
trans-1,3-Dichloropropene	U		0.307	1.15	1000	09/29/2017 19:48	WG1026247
trans-1,4-Dichloro-2-butene	U		0.895	2.88	1000	09/29/2017 19:48	WG1026247
2,2-Dichloropropane	U		0.321	1.15	1000	09/29/2017 19:48	WG1026247
Di-isopropyl ether	U		0.285	1.15	1000	09/29/2017 19:48	WG1026247
Ethylbenzene	U		0.342	1.15	1000	09/29/2017 19:48	WG1026247
Hexachloro-1,3-butadiene	U		0.393	1.15	1000	09/29/2017 19:48	WG1026247
2-Hexanone	U UJ	J0	1.58	11.5	1000	09/29/2017 19:48	WG1026247
n-Hexane	U		0.334	11.5	1000	09/29/2017 19:48	WG1026247
Iodomethane	U		2.91	11.5	1000	09/29/2017 19:48	WG1026247
Isopropylbenzene	U		0.280	1.15	1000	09/29/2017 19:48	WG1026247
p-Isopropyltoluene	U		0.235	1.15	1000	09/29/2017 19:48	WG1026247
2-Butanone (MEK)	U UJ	J0	5.38	11.5	1000	09/29/2017 19:48	WG1026247
Methylene Chloride	U		1.15	5.75	1000	09/29/2017 19:48	WG1026247
4-Methyl-2-pentanone (MIBK)	U UJ	J0	2.16	11.5	1000	09/29/2017 19:48	WG1026247

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	UJ	J0	0.244	1.15	1000	09/29/2017 19:48	WG1026247
Naphthalene	U			1.15	5.75	1000	09/29/2017 19:48	WG1026247
n-Propylbenzene	U			0.237	1.15	1000	09/29/2017 19:48	WG1026247
Styrene	U			0.269	1.15	1000	09/29/2017 19:48	WG1026247
1,1,1,2-Tetrachloroethane	U			0.304	1.15	1000	09/29/2017 19:48	WG1026247
1,1,2,2-Tetrachloroethane	U			0.420	1.15	1000	09/29/2017 19:48	WG1026247
1,1,2-Trichlorotrifluoroethane	U			0.420	1.15	1000	09/29/2017 19:48	WG1026247
Tetrachloroethene	25.8			0.318	1.15	1000	09/29/2017 19:48	WG1026247
Toluene	U			0.499	5.75	1000	09/29/2017 19:48	WG1026247
1,2,3-Trichlorobenzene	U			0.352	1.15	1000	09/29/2017 19:48	WG1026247
1,2,4-Trichlorobenzene	U			0.446	1.15	1000	09/29/2017 19:48	WG1026247
1,1,1-Trichloroethane	U			0.329	1.15	1000	09/29/2017 19:48	WG1026247
1,1,2-Trichloroethane	U			0.319	1.15	1000	09/29/2017 19:48	WG1026247
Trichloroethene	0.984	J	J	0.321	1.15	1000	09/29/2017 19:48	WG1026247
Trichlorofluoromethane	U			0.439	5.75	1000	09/29/2017 19:48	WG1026247
1,2,3-Trichloropropane	U			0.852	2.88	1000	09/29/2017 19:48	WG1026247
1,2,4-Trimethylbenzene	U			0.243	1.15	1000	09/29/2017 19:48	WG1026247
1,2,3-Trimethylbenzene	U			0.330	1.15	1000	09/29/2017 19:48	WG1026247
1,3,5-Trimethylbenzene	U			0.306	1.15	1000	09/29/2017 19:48	WG1026247
Vinyl acetate	U			2.75	11.5	1000	09/29/2017 19:48	WG1026247
Vinyl chloride	U			0.335	1.15	1000	09/29/2017 19:48	WG1026247
Xylenes, Total	U			0.803	3.45	1000	09/29/2017 19:48	WG1026247
(S) Toluene-d8	*116*				*80.0-120*		*09/29/2017 19:48*	WG1026247
(S) Dibromofluoromethane	*99.6*				*74.0-131*		*09/29/2017 19:48*	WG1026247
(S) 4-Bromofluorobenzene	*108*				*64.0-132*		*09/29/2017 19:48*	WG1026247

Sample Narrative:

L938636-03 WG1026247: Target compound too high to run at a lower dilution.

JC 10/17/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	11.2	56.0	1000	09/29/2017 20:08	WG1026247
Acrylonitrile	U UJ	J0	2.00	11.2	1000	09/29/2017 20:08	WG1026247
Benzene	U		0.302	1.12	1000	09/29/2017 20:08	WG1026247
Bromobenzene	U		0.318	1.12	1000	09/29/2017 20:08	WG1026247
Bromodichloromethane	U		0.284	1.12	1000	09/29/2017 20:08	WG1026247
Bromochloromethane	U		0.437	5.60	1000	09/29/2017 20:08	WG1026247
Bromoform	U		0.475	1.12	1000	09/29/2017 20:08	WG1026247
Bromomethane	U UJ	J0	1.50	5.60	1000	09/29/2017 20:08	WG1026247
n-Butylbenzene	U		0.289	1.12	1000	09/29/2017 20:08	WG1026247
sec-Butylbenzene	U		0.225	1.12	1000	09/29/2017 20:08	WG1026247
tert-Butylbenzene	U		0.231	1.12	1000	09/29/2017 20:08	WG1026247
Carbon disulfide	U		0.247	1.12	1000	09/29/2017 20:08	WG1026247
Carbon tetrachloride	U		0.367	1.12	1000	09/29/2017 20:08	WG1026247
Chlorobenzene	U		0.237	1.12	1000	09/29/2017 20:08	WG1026247
Chlorodibromomethane	U		0.418	1.12	1000	09/29/2017 20:08	WG1026247
Chloroethane	U		1.06	5.60	1000	09/29/2017 20:08	WG1026247
Chloroform	U		0.256	5.60	1000	09/29/2017 20:08	WG1026247
Chloromethane	U		0.420	2.80	1000	09/29/2017 20:08	WG1026247
2-Chlorotoluene	U		0.337	1.12	1000	09/29/2017 20:08	WG1026247
4-Chlorotoluene	U		0.269	1.12	1000	09/29/2017 20:08	WG1026247
1,2-Dibromo-3-Chloropropane	U		1.18	5.60	1000	09/29/2017 20:08	WG1026247
1,2-Dibromoethane	U		0.384	1.12	1000	09/29/2017 20:08	WG1026247
Dibromomethane	U		0.428	1.12	1000	09/29/2017 20:08	WG1026247
1,2-Dichlorobenzene	U		0.341	1.12	1000	09/29/2017 20:08	WG1026247
1,3-Dichlorobenzene	U		0.268	1.12	1000	09/29/2017 20:08	WG1026247
1,4-Dichlorobenzene	U		0.253	1.12	1000	09/29/2017 20:08	WG1026247
Dichlorodifluoromethane	U		0.798	5.60	1000	09/29/2017 20:08	WG1026247
1,1-Dichloroethane	U		0.223	1.12	1000	09/29/2017 20:08	WG1026247
1,2-Dichloroethane	U		0.297	1.12	1000	09/29/2017 20:08	WG1026247
1,1-Dichloroethene	U		0.339	1.12	1000	09/29/2017 20:08	WG1026247
cis-1,2-Dichloroethene	1.93		0.263	1.12	1000	09/29/2017 20:08	WG1026247
trans-1,2-Dichloroethene	U		0.296	1.12	1000	09/29/2017 20:08	WG1026247
1,2-Dichloropropane	U		0.401	1.12	1000	09/29/2017 20:08	WG1026247
1,1-Dichloropropene	U		0.355	1.12	1000	09/29/2017 20:08	WG1026247
1,3-Dichloropropane	U		0.232	1.12	1000	09/29/2017 20:08	WG1026247
cis-1,3-Dichloropropene	U		0.293	1.12	1000	09/29/2017 20:08	WG1026247
trans-1,3-Dichloropropene	U		0.299	1.12	1000	09/29/2017 20:08	WG1026247
trans-1,4-Dichloro-2-butene	U		0.871	2.80	1000	09/29/2017 20:08	WG1026247
2,2-Dichloropropane	U		0.312	1.12	1000	09/29/2017 20:08	WG1026247
Di-isopropyl ether	U		0.278	1.12	1000	09/29/2017 20:08	WG1026247
Ethylbenzene	U		0.332	1.12	1000	09/29/2017 20:08	WG1026247
Hexachloro-1,3-butadiene	U		0.383	1.12	1000	09/29/2017 20:08	WG1026247
2-Hexanone	U UJ	J0	1.53	11.2	1000	09/29/2017 20:08	WG1026247
n-Hexane	U		0.325	11.2	1000	09/29/2017 20:08	WG1026247
Iodomethane	U		2.83	11.2	1000	09/29/2017 20:08	WG1026247
Isopropylbenzene	U		0.272	1.12	1000	09/29/2017 20:08	WG1026247
p-Isopropyltoluene	U		0.228	1.12	1000	09/29/2017 20:08	WG1026247
2-Butanone (MEK)	U UJ	J0	5.24	11.2	1000	09/29/2017 20:08	WG1026247
Methylene Chloride	U		1.12	5.60	1000	09/29/2017 20:08	WG1026247
4-Methyl-2-pentanone (MIBK)	U UJ	J0	2.10	11.2	1000	09/29/2017 20:08	WG1026247

JC 10/17/17

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

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	J0	0.237	1.12	1000	09/29/2017 20:08	WG1026247
Naphthalene	U			1.12	5.60	1000	09/29/2017 20:08	WG1026247
n-Propylbenzene	U			0.231	1.12	1000	09/29/2017 20:08	WG1026247
Styrene	U			0.262	1.12	1000	09/29/2017 20:08	WG1026247
1,1,1,2-Tetrachloroethane	U			0.296	1.12	1000	09/29/2017 20:08	WG1026247
1,1,2,2-Tetrachloroethane	U			0.409	1.12	1000	09/29/2017 20:08	WG1026247
1,1,2-Trichlorotrifluoroethane	U			0.409	1.12	1000	09/29/2017 20:08	WG1026247
Tetrachloroethene	21.8			0.309	1.12	1000	09/29/2017 20:08	WG1026247
Toluene	U			0.486	5.60	1000	09/29/2017 20:08	WG1026247
1,2,3-Trichlorobenzene	U			0.343	1.12	1000	09/29/2017 20:08	WG1026247
1,2,4-Trichlorobenzene	U			0.434	1.12	1000	09/29/2017 20:08	WG1026247
1,1,1-Trichloroethane	U			0.320	1.12	1000	09/29/2017 20:08	WG1026247
1,1,2-Trichloroethane	U			0.310	1.12	1000	09/29/2017 20:08	WG1026247
Trichloroethene	0.835	J	J	0.312	1.12	1000	09/29/2017 20:08	WG1026247
Trichlorofluoromethane	U			0.428	5.60	1000	09/29/2017 20:08	WG1026247
1,2,3-Trichloropropane	U			0.829	2.80	1000	09/29/2017 20:08	WG1026247
1,2,4-Trimethylbenzene	U			0.236	1.12	1000	09/29/2017 20:08	WG1026247
1,2,3-Trimethylbenzene	U			0.321	1.12	1000	09/29/2017 20:08	WG1026247
1,3,5-Trimethylbenzene	U			0.298	1.12	1000	09/29/2017 20:08	WG1026247
Vinyl acetate	U			2.68	11.2	1000	09/29/2017 20:08	WG1026247
Vinyl chloride	U			0.326	1.12	1000	09/29/2017 20:08	WG1026247
Xylenes, Total	U			0.781	3.36	1000	09/29/2017 20:08	WG1026247
(S) Toluene-d8	*116*				*80.0-120*		*09/29/2017 20:08*	WG1026247
(S) Dibromofluoromethane	*101*				*74.0-131*		*09/29/2017 20:08*	WG1026247
(S) 4-Bromofluorobenzene	*111*				*64.0-132*		*09/29/2017 20:08*	WG1026247

Sample Narrative:

L938636-04 WG1026247: Target compound too high to run at a lower dilution.

JC 10/17/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	2.35	11.8	200	10/01/2017 15:21	WG1026247
Acrylonitrile	U		0.421	2.35	200	10/01/2017 15:21	WG1026247
Benzene	U		0.0635	0.235	200	10/01/2017 15:21	WG1026247
Bromobenzene	U		0.0668	0.235	200	10/01/2017 15:21	WG1026247
Bromodichloromethane	U		0.0597	0.235	200	10/01/2017 15:21	WG1026247
Bromochloromethane	U		0.0917	1.18	200	10/01/2017 15:21	WG1026247
Bromoform	U		0.0997	0.235	200	10/01/2017 15:21	WG1026247
Bromomethane	U		0.315	1.18	200	10/01/2017 15:21	WG1026247
n-Butylbenzene	U		0.0607	0.235	200	10/01/2017 15:21	WG1026247
sec-Butylbenzene	U		0.0473	0.235	200	10/01/2017 15:21	WG1026247
tert-Butylbenzene	U		0.0484	0.235	200	10/01/2017 15:21	WG1026247
Carbon disulfide	U		0.0520	0.235	200	10/01/2017 15:21	WG1026247
Carbon tetrachloride	U		0.0771	0.235	200	10/01/2017 15:21	WG1026247
Chlorobenzene	U		0.0499	0.235	200	10/01/2017 15:21	WG1026247
Chlorodibromomethane	U		0.0877	0.235	200	10/01/2017 15:21	WG1026247
Chloroethane	U		0.222	1.18	200	10/01/2017 15:21	WG1026247
Chloroform	U		0.0539	1.18	200	10/01/2017 15:21	WG1026247
Chloromethane	U		0.0882	0.588	200	10/01/2017 15:21	WG1026247
2-Chlorotoluene	U		0.0708	0.235	200	10/01/2017 15:21	WG1026247
4-Chlorotoluene	U		0.0564	0.235	200	10/01/2017 15:21	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.247	1.18	200	10/01/2017 15:21	WG1026247
1,2-Dibromoethane	U		0.0807	0.235	200	10/01/2017 15:21	WG1026247
Dibromomethane	U		0.0898	0.235	200	10/01/2017 15:21	WG1026247
1,2-Dichlorobenzene	U		0.0717	0.235	200	10/01/2017 15:21	WG1026247
1,3-Dichlorobenzene	U		0.0562	0.235	200	10/01/2017 15:21	WG1026247
1,4-Dichlorobenzene	U		0.0531	0.235	200	10/01/2017 15:21	WG1026247
Dichlorodifluoromethane	U		0.168	1.18	200	10/01/2017 15:21	WG1026247
1,1-Dichloroethane	U		0.0468	0.235	200	10/01/2017 15:21	WG1026247
1,2-Dichloroethane	U		0.0623	0.235	200	10/01/2017 15:21	WG1026247
1,1-Dichloroethene	U		0.0713	0.235	200	10/01/2017 15:21	WG1026247
cis-1,2-Dichloroethene	0.438		0.0553	0.235	200	10/01/2017 15:21	WG1026247
trans-1,2-Dichloroethene	U		0.0621	0.235	200	10/01/2017 15:21	WG1026247
1,2-Dichloropropane	U		0.0842	0.235	200	10/01/2017 15:21	WG1026247
1,1-Dichloropropene	U		0.0745	0.235	200	10/01/2017 15:21	WG1026247
1,3-Dichloropropane	U		0.0487	0.235	200	10/01/2017 15:21	WG1026247
cis-1,3-Dichloropropene	U		0.0616	0.235	200	10/01/2017 15:21	WG1026247
trans-1,3-Dichloropropene	U		0.0628	0.235	200	10/01/2017 15:21	WG1026247
trans-1,4-Dichloro-2-butene	U UJ	J0	0.183	0.588	200	10/01/2017 15:21	WG1026247
2,2-Dichloropropane	U UJ	J0	0.0656	0.235	200	10/01/2017 15:21	WG1026247
Di-isopropyl ether	U UJ	J0	0.0583	0.235	200	10/01/2017 15:21	WG1026247
Ethylbenzene	U		0.0698	0.235	200	10/01/2017 15:21	WG1026247
Hexachloro-1,3-butadiene	U		0.0804	0.235	200	10/01/2017 15:21	WG1026247
2-Hexanone	U		0.322	2.35	200	10/01/2017 15:21	WG1026247
n-Hexane	U UJ	J0	0.0682	2.35	200	10/01/2017 15:21	WG1026247
Iodomethane	U		0.595	2.35	200	10/01/2017 15:21	WG1026247
Isopropylbenzene	U		0.0571	0.235	200	10/01/2017 15:21	WG1026247
p-Isopropyltoluene	U		0.0480	0.235	200	10/01/2017 15:21	WG1026247
2-Butanone (MEK)	U		1.10	2.35	200	10/01/2017 15:21	WG1026247
Methylene Chloride	U		0.235	1.18	200	10/01/2017 15:21	WG1026247
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.442	2.35	200	10/01/2017 15:21	WG1026247

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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		0.0499	0.235	200	10/01/2017 15:21	WG1026247
Naphthalene	U		0.235	1.18	200	10/01/2017 15:21	WG1026247
n-Propylbenzene	U		0.0484	0.235	200	10/01/2017 15:21	WG1026247
Styrene	U		0.0550	0.235	200	10/01/2017 15:21	WG1026247
1,1,1,2-Tetrachloroethane	U		0.0621	0.235	200	10/01/2017 15:21	WG1026247
1,1,2,2-Tetrachloroethane	U		0.0858	0.235	200	10/01/2017 15:21	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.0858	0.235	200	10/01/2017 15:21	WG1026247
Tetrachloroethene	9.02		0.0649	0.235	200	10/01/2017 15:21	WG1026247
Toluene	U		0.102	1.18	200	10/01/2017 15:21	WG1026247
1,2,3-Trichlorobenzene	U		0.0720	0.235	200	10/01/2017 15:21	WG1026247
1,2,4-Trichlorobenzene	U		0.0912	0.235	200	10/01/2017 15:21	WG1026247
1,1,1-Trichloroethane	U		0.0673	0.235	200	10/01/2017 15:21	WG1026247
1,1,2-Trichloroethane	U		0.0651	0.235	200	10/01/2017 15:21	WG1026247
Trichloroethene	0.447		0.0656	0.235	200	10/01/2017 15:21	WG1026247
Trichlorofluoromethane	U		0.0898	1.18	200	10/01/2017 15:21	WG1026247
1,2,3-Trichloropropane	U		0.174	0.588	200	10/01/2017 15:21	WG1026247
1,2,4-Trimethylbenzene	U		0.0496	0.235	200	10/01/2017 15:21	WG1026247
1,2,3-Trimethylbenzene	U		0.0675	0.235	200	10/01/2017 15:21	WG1026247
1,3,5-Trimethylbenzene	U		0.0626	0.235	200	10/01/2017 15:21	WG1026247
Vinyl acetate	U		0.562	2.35	200	10/01/2017 15:21	WG1026247
Vinyl chloride	U		0.0684	0.235	200	10/01/2017 15:21	WG1026247
Xylenes, Total	U		0.165	0.705	200	10/01/2017 15:21	WG1026247
(S) Toluene-d8	*104*			*80.0-120*		*10/01/2017 15:21*	WG1026247
(S) Dibromofluoromethane	*103*			*74.0-131*		*10/01/2017 15:21*	WG1026247
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 15:21*	WG1026247

Sample Narrative:

L938636-05 WG1026247: Target compound too high to run at a lower dilution.

JC 10/17/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.2		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	110	548	10000	09/29/2017 20:47	WG1026247
Acrylonitrile	U UJ	J0	19.6	110	10000	09/29/2017 20:47	WG1026247
Benzene	U		2.96	11.0	10000	09/29/2017 20:47	WG1026247
Bromobenzene	U		3.11	11.0	10000	09/29/2017 20:47	WG1026247
Bromodichloromethane	U		2.79	11.0	10000	09/29/2017 20:47	WG1026247
Bromochloromethane	U		4.28	54.8	10000	09/29/2017 20:47	WG1026247
Bromoform	U		4.65	11.0	10000	09/29/2017 20:47	WG1026247
Bromomethane	U UJ	J0	14.7	54.8	10000	09/29/2017 20:47	WG1026247
n-Butylbenzene	U		2.83	11.0	10000	09/29/2017 20:47	WG1026247
sec-Butylbenzene	U		2.20	11.0	10000	09/29/2017 20:47	WG1026247
tert-Butylbenzene	U		2.26	11.0	10000	09/29/2017 20:47	WG1026247
Carbon disulfide	U		2.42	11.0	10000	09/29/2017 20:47	WG1026247
Carbon tetrachloride	U		3.60	11.0	10000	09/29/2017 20:47	WG1026247
Chlorobenzene	U		2.33	11.0	10000	09/29/2017 20:47	WG1026247
Chlorodibromomethane	U		4.09	11.0	10000	09/29/2017 20:47	WG1026247
Chloroethane	U		10.4	54.8	10000	09/29/2017 20:47	WG1026247
Chloroform	U		2.51	54.8	10000	09/29/2017 20:47	WG1026247
Chloromethane	U		4.11	27.4	10000	09/29/2017 20:47	WG1026247
2-Chlorotoluene	U		3.30	11.0	10000	09/29/2017 20:47	WG1026247
4-Chlorotoluene	U		2.63	11.0	10000	09/29/2017 20:47	WG1026247
1,2-Dibromo-3-Chloropropane	U		11.5	54.8	10000	09/29/2017 20:47	WG1026247
1,2-Dibromoethane	U		3.76	11.0	10000	09/29/2017 20:47	WG1026247
Dibromomethane	U		4.19	11.0	10000	09/29/2017 20:47	WG1026247
1,2-Dichlorobenzene	U		3.35	11.0	10000	09/29/2017 20:47	WG1026247
1,3-Dichlorobenzene	U		2.62	11.0	10000	09/29/2017 20:47	WG1026247
1,4-Dichlorobenzene	U		2.48	11.0	10000	09/29/2017 20:47	WG1026247
Dichlorodifluoromethane	U		7.82	54.8	10000	09/29/2017 20:47	WG1026247
1,1-Dichloroethane	U		2.18	11.0	10000	09/29/2017 20:47	WG1026247
1,2-Dichloroethane	U		2.91	11.0	10000	09/29/2017 20:47	WG1026247
1,1-Dichloroethene	U		3.32	11.0	10000	09/29/2017 20:47	WG1026247
cis-1,2-Dichloroethene	U		2.58	11.0	10000	09/29/2017 20:47	WG1026247
trans-1,2-Dichloroethene	U		2.90	11.0	10000	09/29/2017 20:47	WG1026247
1,2-Dichloropropane	U		3.93	11.0	10000	09/29/2017 20:47	WG1026247
1,1-Dichloropropene	U		3.48	11.0	10000	09/29/2017 20:47	WG1026247
1,3-Dichloropropane	U		2.27	11.0	10000	09/29/2017 20:47	WG1026247
cis-1,3-Dichloropropene	U		2.87	11.0	10000	09/29/2017 20:47	WG1026247
trans-1,3-Dichloropropene	U		2.93	11.0	10000	09/29/2017 20:47	WG1026247
trans-1,4-Dichloro-2-butene	U		8.53	27.4	10000	09/29/2017 20:47	WG1026247
2,2-Dichloropropane	U		3.06	11.0	10000	09/29/2017 20:47	WG1026247
Di-isopropyl ether	U		2.72	11.0	10000	09/29/2017 20:47	WG1026247
Ethylbenzene	U		3.26	11.0	10000	09/29/2017 20:47	WG1026247
Hexachloro-1,3-butadiene	U		3.75	11.0	10000	09/29/2017 20:47	WG1026247
2-Hexanone	U UJ	J0	15.0	110	10000	09/29/2017 20:47	WG1026247
n-Hexane	U		3.18	110	10000	09/29/2017 20:47	WG1026247
Iodomethane	U		27.7	110	10000	09/29/2017 20:47	WG1026247
Isopropylbenzene	U		2.67	11.0	10000	09/29/2017 20:47	WG1026247
p-Isopropyltoluene	U		2.24	11.0	10000	09/29/2017 20:47	WG1026247
2-Butanone (MEK)	U UJ	J0	51.3	110	10000	09/29/2017 20:47	WG1026247
Methylene Chloride	U		11.0	54.8	10000	09/29/2017 20:47	WG1026247
4-Methyl-2-pentanone (MIBK)	U UJ	J0	20.6	110	10000	09/29/2017 20:47	WG1026247

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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	J0	2.33	11.0	10000	09/29/2017 20:47	WG1026247
Naphthalene	U			11.0	54.8	10000	09/29/2017 20:47	WG1026247
n-Propylbenzene	U			2.26	11.0	10000	09/29/2017 20:47	WG1026247
Styrene	U			2.57	11.0	10000	09/29/2017 20:47	WG1026247
1,1,1,2-Tetrachloroethane	U			2.90	11.0	10000	09/29/2017 20:47	WG1026247
1,1,2,2-Tetrachloroethane	U			4.00	11.0	10000	09/29/2017 20:47	WG1026247
1,1,2-Trichlorotrifluoroethane	U			4.00	11.0	10000	09/29/2017 20:47	WG1026247
Tetrachloroethene	8270			60.5	219	200000	10/01/2017 16:20	WG1026247
Toluene	U			4.76	54.8	10000	09/29/2017 20:47	WG1026247
1,2,3-Trichlorobenzene	U			3.36	11.0	10000	09/29/2017 20:47	WG1026247
1,2,4-Trichlorobenzene	U			4.26	11.0	10000	09/29/2017 20:47	WG1026247
1,1,1-Trichloroethane	U			3.14	11.0	10000	09/29/2017 20:47	WG1026247
1,1,2-Trichloroethane	U			3.04	11.0	10000	09/29/2017 20:47	WG1026247
Trichloroethene	4.43	J	J	3.06	11.0	10000	09/29/2017 20:47	WG1026247
Trichlorofluoromethane	U			4.19	54.8	10000	09/29/2017 20:47	WG1026247
1,2,3-Trichloropropane	U			8.13	27.4	10000	09/29/2017 20:47	WG1026247
1,2,4-Trimethylbenzene	U			2.31	11.0	10000	09/29/2017 20:47	WG1026247
1,2,3-Trimethylbenzene	U			3.15	11.0	10000	09/29/2017 20:47	WG1026247
1,3,5-Trimethylbenzene	U			2.92	11.0	10000	09/29/2017 20:47	WG1026247
Vinyl acetate	U			26.2	110	10000	09/29/2017 20:47	WG1026247
Vinyl chloride	U			3.19	11.0	10000	09/29/2017 20:47	WG1026247
Xylenes, Total	U			7.66	32.9	10000	09/29/2017 20:47	WG1026247
(S) Toluene-d8	*108*				*80.0-120*		*10/01/2017 16:20*	WG1026247
(S) Toluene-d8	*116*				*80.0-120*		*09/29/2017 20:47*	WG1026247
(S) Dibromofluoromethane	*99.5*				*74.0-131*		*10/01/2017 16:20*	WG1026247
(S) Dibromofluoromethane	*102*				*74.0-131*		*09/29/2017 20:47*	WG1026247
(S) 4-Bromofluorobenzene	*110*				*64.0-132*		*09/29/2017 20:47*	WG1026247
(S) 4-Bromofluorobenzene	*103*				*64.0-132*		*10/01/2017 16:20*	WG1026247

Sample Narrative:

L938636-06 WG1026247: Target compound too high to run at a lower dilution.

JC 10/17/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	5.44	27.2	500	10/01/2017 15:41	WG1026247
Acrylonitrile	U		0.973	5.44	500	10/01/2017 15:41	WG1026247
Benzene	U		0.147	0.544	500	10/01/2017 15:41	WG1026247
Bromobenzene	U		0.154	0.544	500	10/01/2017 15:41	WG1026247
Bromodichloromethane	U		0.138	0.544	500	10/01/2017 15:41	WG1026247
Bromochloromethane	U		0.212	2.72	500	10/01/2017 15:41	WG1026247
Bromoform	U		0.231	0.544	500	10/01/2017 15:41	WG1026247
Bromomethane	U		0.729	2.72	500	10/01/2017 15:41	WG1026247
n-Butylbenzene	U		0.140	0.544	500	10/01/2017 15:41	WG1026247
sec-Butylbenzene	U		0.109	0.544	500	10/01/2017 15:41	WG1026247
tert-Butylbenzene	U		0.112	0.544	500	10/01/2017 15:41	WG1026247
Carbon disulfide	U		0.120	0.544	500	10/01/2017 15:41	WG1026247
Carbon tetrachloride	U		0.178	0.544	500	10/01/2017 15:41	WG1026247
Chlorobenzene	U		0.115	0.544	500	10/01/2017 15:41	WG1026247
Chlorodibromomethane	U		0.202	0.544	500	10/01/2017 15:41	WG1026247
Chloroethane	U		0.514	2.72	500	10/01/2017 15:41	WG1026247
Chloroform	U		0.124	2.72	500	10/01/2017 15:41	WG1026247
Chloromethane	U		0.204	1.36	500	10/01/2017 15:41	WG1026247
2-Chlorotoluene	U		0.163	0.544	500	10/01/2017 15:41	WG1026247
4-Chlorotoluene	U		0.131	0.544	500	10/01/2017 15:41	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.571	2.72	500	10/01/2017 15:41	WG1026247
1,2-Dibromoethane	U		0.187	0.544	500	10/01/2017 15:41	WG1026247
Dibromomethane	U		0.208	0.544	500	10/01/2017 15:41	WG1026247
1,2-Dichlorobenzene	U		0.165	0.544	500	10/01/2017 15:41	WG1026247
1,3-Dichlorobenzene	U		0.131	0.544	500	10/01/2017 15:41	WG1026247
1,4-Dichlorobenzene	U		0.123	0.544	500	10/01/2017 15:41	WG1026247
Dichlorodifluoromethane	U		0.387	2.72	500	10/01/2017 15:41	WG1026247
1,1-Dichloroethane	U		0.108	0.544	500	10/01/2017 15:41	WG1026247
1,2-Dichloroethane	U		0.144	0.544	500	10/01/2017 15:41	WG1026247
1,1-Dichloroethene	U		0.165	0.544	500	10/01/2017 15:41	WG1026247
cis-1,2-Dichloroethene	0.561		0.128	0.544	500	10/01/2017 15:41	WG1026247
trans-1,2-Dichloroethene	U		0.144	0.544	500	10/01/2017 15:41	WG1026247
1,2-Dichloropropane	U		0.195	0.544	500	10/01/2017 15:41	WG1026247
1,1-Dichloropropene	U		0.172	0.544	500	10/01/2017 15:41	WG1026247
1,3-Dichloropropane	U		0.113	0.544	500	10/01/2017 15:41	WG1026247
cis-1,3-Dichloropropene	U		0.142	0.544	500	10/01/2017 15:41	WG1026247
trans-1,3-Dichloropropene	U		0.146	0.544	500	10/01/2017 15:41	WG1026247
trans-1,4-Dichloro-2-butene	U UJ	J0	0.423	1.36	500	10/01/2017 15:41	WG1026247
2,2-Dichloropropane	U UJ	J0	0.152	0.544	500	10/01/2017 15:41	WG1026247
Di-isopropyl ether	U UJ	J0	0.135	0.544	500	10/01/2017 15:41	WG1026247
Ethylbenzene	U		0.161	0.544	500	10/01/2017 15:41	WG1026247
Hexachloro-1,3-butadiene	U		0.186	0.544	500	10/01/2017 15:41	WG1026247
2-Hexanone	U		0.745	5.44	500	10/01/2017 15:41	WG1026247
n-Hexane	U UJ	J0	0.158	5.44	500	10/01/2017 15:41	WG1026247
Iodomethane	U		1.37	5.44	500	10/01/2017 15:41	WG1026247
Isopropylbenzene	U		0.133	0.544	500	10/01/2017 15:41	WG1026247
p-Isopropyltoluene	U		0.111	0.544	500	10/01/2017 15:41	WG1026247
2-Butanone (MEK)	U		2.54	5.44	500	10/01/2017 15:41	WG1026247
Methylene Chloride	U		0.544	2.72	500	10/01/2017 15:41	WG1026247
4-Methyl-2-pentanone (MIBK)	U UJ	J0	1.02	5.44	500	10/01/2017 15:41	WG1026247

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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		0.115	0.544	500	10/01/2017 15:41	WG1026247
Naphthalene	U		0.544	2.72	500	10/01/2017 15:41	WG1026247
n-Propylbenzene	U		0.112	0.544	500	10/01/2017 15:41	WG1026247
Styrene	U		0.127	0.544	500	10/01/2017 15:41	WG1026247
1,1,1,2-Tetrachloroethane	U		0.144	0.544	500	10/01/2017 15:41	WG1026247
1,1,2,2-Tetrachloroethane	U		0.198	0.544	500	10/01/2017 15:41	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.198	0.544	500	10/01/2017 15:41	WG1026247
Tetrachloroethene	30.4		0.150	0.544	500	10/01/2017 15:41	WG1026247
Toluene	U		0.236	2.72	500	10/01/2017 15:41	WG1026247
1,2,3-Trichlorobenzene	U		0.166	0.544	500	10/01/2017 15:41	WG1026247
1,2,4-Trichlorobenzene	U		0.211	0.544	500	10/01/2017 15:41	WG1026247
1,1,1-Trichloroethane	U		0.156	0.544	500	10/01/2017 15:41	WG1026247
1,1,2-Trichloroethane	U		0.150	0.544	500	10/01/2017 15:41	WG1026247
Trichloroethene	0.618		0.152	0.544	500	10/01/2017 15:41	WG1026247
Trichlorofluoromethane	U		0.208	2.72	500	10/01/2017 15:41	WG1026247
1,2,3-Trichloropropane	U		0.402	1.36	500	10/01/2017 15:41	WG1026247
1,2,4-Trimethylbenzene	U		0.115	0.544	500	10/01/2017 15:41	WG1026247
1,2,3-Trimethylbenzene	U		0.157	0.544	500	10/01/2017 15:41	WG1026247
1,3,5-Trimethylbenzene	U		0.145	0.544	500	10/01/2017 15:41	WG1026247
Vinyl acetate	U		1.31	5.44	500	10/01/2017 15:41	WG1026247
Vinyl chloride	U		0.159	0.544	500	10/01/2017 15:41	WG1026247
Xylenes, Total	U		0.380	1.63	500	10/01/2017 15:41	WG1026247
(S) Toluene-d8	*103*			*80.0-120*		*10/01/2017 15:41*	WG1026247
(S) Dibromofluoromethane	*102*			*74.0-131*		*10/01/2017 15:41*	WG1026247
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 15:41*	WG1026247

Sample Narrative:

L938636-07 WG1026247: Target compound 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	63.3	J J	31.6	100	1	09/27/2017 19:54	WG1024796
(S) a,a,a-Trifluorotoluene(FID)	*96.8*			*77.0-122*		*09/27/2017 19:54*	WG1024796

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	5.55	J J	2.10	50.0	2	09/27/2017 07:22	WG1024893
Acrylonitrile	U		1.75	10.0	2	09/27/2017 07:22	WG1024893
Benzene	U		0.179	1.00	2	09/27/2017 07:22	WG1024893
Bromobenzene	U		0.266	1.00	2	09/27/2017 07:22	WG1024893
Bromodichloromethane	U		0.160	1.00	2	09/27/2017 07:22	WG1024893
Bromochloromethane	U		0.290	1.00	2	09/27/2017 07:22	WG1024893
Bromoform	U		0.372	1.00	2	09/27/2017 07:22	WG1024893
Bromomethane	U		0.314	5.00	2	09/27/2017 07:22	WG1024893
n-Butylbenzene	U		0.286	1.00	2	09/27/2017 07:22	WG1024893
sec-Butylbenzene	U		0.268	1.00	2	09/27/2017 07:22	WG1024893
tert-Butylbenzene	U		0.366	1.00	2	09/27/2017 07:22	WG1024893
Carbon disulfide	U		0.202	1.00	2	09/27/2017 07:22	WG1024893
Carbon tetrachloride	U		0.318	1.00	2	09/27/2017 07:22	WG1024893
Chlorobenzene	U		0.280	1.00	2	09/27/2017 07:22	WG1024893
Chlorodibromomethane	U		0.256	1.00	2	09/27/2017 07:22	WG1024893
Chloroethane	U		0.282	5.00	2	09/27/2017 07:22	WG1024893
Chloroform	U		0.172	1.00	2	09/27/2017 07:22	WG1024893
Chloromethane	U		0.306	2.50	2	09/27/2017 07:22	WG1024893
2-Chlorotoluene	U		0.222	1.00	2	09/27/2017 07:22	WG1024893
4-Chlorotoluene	U		0.194	1.00	2	09/27/2017 07:22	WG1024893
1,2-Dibromo-3-Chloropropane	U		0.650	5.00	2	09/27/2017 07:22	WG1024893
1,2-Dibromoethane	U		0.386	1.00	2	09/27/2017 07:22	WG1024893
Dibromomethane	U		0.234	1.00	2	09/27/2017 07:22	WG1024893
1,2-Dichlorobenzene	U		0.202	1.00	2	09/27/2017 07:22	WG1024893
1,3-Dichlorobenzene	U		0.260	1.00	2	09/27/2017 07:22	WG1024893
1,4-Dichlorobenzene	U		0.242	1.00	2	09/27/2017 07:22	WG1024893
Dichlorodifluoromethane	U		0.254	5.00	2	09/27/2017 07:22	WG1024893
1,1-Dichloroethane	U		0.228	1.00	2	09/27/2017 07:22	WG1024893
1,2-Dichloroethane	U		0.216	1.00	2	09/27/2017 07:22	WG1024893
1,1-Dichloroethene	U		0.376	1.00	2	09/27/2017 07:22	WG1024893
cis-1,2-Dichloroethene	U		0.187	1.00	2	09/27/2017 07:22	WG1024893
trans-1,2-Dichloroethene	U		0.304	1.00	2	09/27/2017 07:22	WG1024893
1,2-Dichloropropane	U		0.380	1.00	2	09/27/2017 07:22	WG1024893
1,1-Dichloropropene	U		0.256	1.00	2	09/27/2017 07:22	WG1024893
1,3-Dichloropropane	U		0.294	2.00	2	09/27/2017 07:22	WG1024893
cis-1,3-Dichloropropene	U		0.195	1.00	2	09/27/2017 07:22	WG1024893
trans-1,3-Dichloropropene	U		0.444	1.00	2	09/27/2017 07:22	WG1024893
trans-1,4-Dichloro-2-butene	U		0.514	10.0	2	09/27/2017 07:22	WG1024893
2,2-Dichloropropane	U		0.186	1.00	2	09/27/2017 07:22	WG1024893
Di-isopropyl ether	U		0.185	1.00	2	09/27/2017 07:22	WG1024893
Ethylbenzene	U		0.316	1.00	2	09/27/2017 07:22	WG1024893
Hexachloro-1,3-butadiene	U		0.314	2.00	2	09/27/2017 07:22	WG1024893
2-Hexanone	U		1.51	10.0	2	09/27/2017 07:22	WG1024893
n-Hexane	1.91	J J	0.610	10.0	2	09/27/2017 07:22	WG1024893
Iodomethane	U		0.754	20.0	2	09/27/2017 07:22	WG1024893
Isopropylbenzene	U		0.252	1.00	2	09/27/2017 07:22	WG1024893
p-Isopropyltoluene	U		0.276	1.00	2	09/27/2017 07:22	WG1024893
2-Butanone (MEK)	U		2.56	10.0	2	09/27/2017 07:22	WG1024893

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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		2.14	5.00	2	09/27/2017 07:22	WG1024893
4-Methyl-2-pentanone (MIBK)	U		1.65	10.0	2	09/27/2017 07:22	WG1024893
Methyl tert-butyl ether	U		0.204	1.00	2	09/27/2017 07:22	WG1024893
Naphthalene	U		0.348	5.00	2	09/27/2017 07:22	WG1024893
n-Propylbenzene	U		0.324	1.00	2	09/27/2017 07:22	WG1024893
Styrene	U		0.234	1.00	2	09/27/2017 07:22	WG1024893
1,1,1,2-Tetrachloroethane	U		0.240	1.00	2	09/27/2017 07:22	WG1024893
1,1,2,2-Tetrachloroethane	U		0.260	1.00	2	09/27/2017 07:22	WG1024893
1,1,2-Trichlorotrifluoroethane	U		0.328	1.00	2	09/27/2017 07:22	WG1024893
Tetrachloroethene	U		0.398	1.00	2	09/27/2017 07:22	WG1024893
Toluene	2.60		0.824	1.00	2	09/27/2017 07:22	WG1024893
1,2,3-Trichlorobenzene	U		0.328	1.00	2	09/27/2017 07:22	WG1024893
1,2,4-Trichlorobenzene	U		0.710	1.00	2	09/27/2017 07:22	WG1024893
1,1,1-Trichloroethane	U		0.188	1.00	2	09/27/2017 07:22	WG1024893
1,1,2-Trichloroethane	U		0.372	1.00	2	09/27/2017 07:22	WG1024893
Trichloroethene	U		0.306	1.00	2	09/27/2017 07:22	WG1024893
Trichlorofluoromethane	U		0.260	5.00	2	09/27/2017 07:22	WG1024893
1,2,3-Trichloropropane	U		0.494	5.00	2	09/27/2017 07:22	WG1024893
1,2,4-Trimethylbenzene	U		0.246	1.00	2	09/27/2017 07:22	WG1024893
1,2,3-Trimethylbenzene	U		0.148	1.00	2	09/27/2017 07:22	WG1024893
1,3,5-Trimethylbenzene	U		0.248	1.00	2	09/27/2017 07:22	WG1024893
Vinyl acetate	U		1.29	10.0	2	09/27/2017 07:22	WG1024893
Vinyl chloride	U		0.236	1.00	2	09/27/2017 07:22	WG1024893
Xylenes, Total	U		0.632	3.00	2	09/27/2017 07:22	WG1024893
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 07:22*	WG1024893
(S) Dibromofluoromethane	*103*			*76.0-123*		*09/27/2017 07:22*	WG1024893
(S) 4-Bromofluorobenzene	*90.4*			*80.0-120*		*09/27/2017 07:22*	WG1024893

Sample Narrative:

L938636-08 WG1024893: Lowest possible dilution due to sediment in sample vial.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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 J3	5.53	27.6	500	10/01/2017 16:01	WG1026247
Acrylonitrile	U		0.989	5.53	500	10/01/2017 16:01	WG1026247
Benzene	U		0.149	0.553	500	10/01/2017 16:01	WG1026247
Bromobenzene	U		0.157	0.553	500	10/01/2017 16:01	WG1026247
Bromodichloromethane	U		0.140	0.553	500	10/01/2017 16:01	WG1026247
Bromochloromethane	U		0.215	2.76	500	10/01/2017 16:01	WG1026247
Bromoform	U		0.234	0.553	500	10/01/2017 16:01	WG1026247
Bromomethane	U		0.740	2.76	500	10/01/2017 16:01	WG1026247
n-Butylbenzene	U		0.143	0.553	500	10/01/2017 16:01	WG1026247
sec-Butylbenzene	U		0.111	0.553	500	10/01/2017 16:01	WG1026247
tert-Butylbenzene	U		0.114	0.553	500	10/01/2017 16:01	WG1026247
Carbon disulfide	U		0.122	0.553	500	10/01/2017 16:01	WG1026247
Carbon tetrachloride	U		0.181	0.553	500	10/01/2017 16:01	WG1026247
Chlorobenzene	U		0.117	0.553	500	10/01/2017 16:01	WG1026247
Chlorodibromomethane	U		0.206	0.553	500	10/01/2017 16:01	WG1026247
Chloroethane	U		0.523	2.76	500	10/01/2017 16:01	WG1026247
Chloroform	U		0.126	2.76	500	10/01/2017 16:01	WG1026247
Chloromethane	U		0.208	1.38	500	10/01/2017 16:01	WG1026247
2-Chlorotoluene	U		0.166	0.553	500	10/01/2017 16:01	WG1026247
4-Chlorotoluene	U		0.133	0.553	500	10/01/2017 16:01	WG1026247
1,2-Dibromo-3-Chloropropane	U		0.580	2.76	500	10/01/2017 16:01	WG1026247
1,2-Dibromoethane	U		0.190	0.553	500	10/01/2017 16:01	WG1026247
Dibromomethane	U		0.211	0.553	500	10/01/2017 16:01	WG1026247
1,2-Dichlorobenzene	U		0.168	0.553	500	10/01/2017 16:01	WG1026247
1,3-Dichlorobenzene	U		0.133	0.553	500	10/01/2017 16:01	WG1026247
1,4-Dichlorobenzene	U		0.125	0.553	500	10/01/2017 16:01	WG1026247
Dichlorodifluoromethane	U		0.393	2.76	500	10/01/2017 16:01	WG1026247
1,1-Dichloroethane	U		0.110	0.553	500	10/01/2017 16:01	WG1026247
1,2-Dichloroethane	U		0.146	0.553	500	10/01/2017 16:01	WG1026247
1,1-Dichloroethene	U		0.168	0.553	500	10/01/2017 16:01	WG1026247
cis-1,2-Dichloroethene	1.41		0.130	0.553	500	10/01/2017 16:01	WG1026247
trans-1,2-Dichloroethene	U		0.146	0.553	500	10/01/2017 16:01	WG1026247
1,2-Dichloropropane	U		0.198	0.553	500	10/01/2017 16:01	WG1026247
1,1-Dichloropropene	U		0.175	0.553	500	10/01/2017 16:01	WG1026247
1,3-Dichloropropane	U		0.115	0.553	500	10/01/2017 16:01	WG1026247
cis-1,3-Dichloropropene	U		0.145	0.553	500	10/01/2017 16:01	WG1026247
trans-1,3-Dichloropropene	U		0.148	0.553	500	10/01/2017 16:01	WG1026247
trans-1,4-Dichloro-2-butene	U UJ	J0	0.430	1.38	500	10/01/2017 16:01	WG1026247
2,2-Dichloropropane	U UJ	J0	0.155	0.553	500	10/01/2017 16:01	WG1026247
Di-isopropyl ether	U UJ	J0	0.137	0.553	500	10/01/2017 16:01	WG1026247
Ethylbenzene	U		0.164	0.553	500	10/01/2017 16:01	WG1026247
Hexachloro-1,3-butadiene	U		0.189	0.553	500	10/01/2017 16:01	WG1026247
2-Hexanone	U		0.757	5.53	500	10/01/2017 16:01	WG1026247
n-Hexane	U UJ	J0	0.160	5.53	500	10/01/2017 16:01	WG1026247
Iodomethane	U		1.39	5.53	500	10/01/2017 16:01	WG1026247
Isopropylbenzene	U		0.135	0.553	500	10/01/2017 16:01	WG1026247
p-Isopropyltoluene	U		0.113	0.553	500	10/01/2017 16:01	WG1026247
2-Butanone (MEK)	U		2.59	5.53	500	10/01/2017 16:01	WG1026247
Methylene Chloride	U		0.553	2.76	500	10/01/2017 16:01	WG1026247
4-Methyl-2-pentanone (MIBK)	U UJ	J0	1.04	5.53	500	10/01/2017 16:01	WG1026247

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.117	0.553	500	10/01/2017 16:01	WG1026247
Naphthalene	U		0.553	2.76	500	10/01/2017 16:01	WG1026247
n-Propylbenzene	U		0.114	0.553	500	10/01/2017 16:01	WG1026247
Styrene	U		0.129	0.553	500	10/01/2017 16:01	WG1026247
1,1,1,2-Tetrachloroethane	U		0.146	0.553	500	10/01/2017 16:01	WG1026247
1,1,2,2-Tetrachloroethane	U		0.201	0.553	500	10/01/2017 16:01	WG1026247
1,1,2-Trichlorotrifluoroethane	U		0.201	0.553	500	10/01/2017 16:01	WG1026247
Tetrachloroethene	14.5		0.152	0.553	500	10/01/2017 16:01	WG1026247
Toluene	U		0.240	2.76	500	10/01/2017 16:01	WG1026247
1,2,3-Trichlorobenzene	U		0.169	0.553	500	10/01/2017 16:01	WG1026247
1,2,4-Trichlorobenzene	U		0.214	0.553	500	10/01/2017 16:01	WG1026247
1,1,1-Trichloroethane	U		0.158	0.553	500	10/01/2017 16:01	WG1026247
1,1,2-Trichloroethane	U		0.152	0.553	500	10/01/2017 16:01	WG1026247
Trichloroethene	0.865		0.155	0.553	500	10/01/2017 16:01	WG1026247
Trichlorofluoromethane	U		0.211	2.76	500	10/01/2017 16:01	WG1026247
1,2,3-Trichloropropane	U		0.409	1.38	500	10/01/2017 16:01	WG1026247
1,2,4-Trimethylbenzene	U		0.117	0.553	500	10/01/2017 16:01	WG1026247
1,2,3-Trimethylbenzene	U		0.159	0.553	500	10/01/2017 16:01	WG1026247
1,3,5-Trimethylbenzene	U		0.147	0.553	500	10/01/2017 16:01	WG1026247
Vinyl acetate	U		1.33	5.53	500	10/01/2017 16:01	WG1026247
Vinyl chloride	U		0.161	0.553	500	10/01/2017 16:01	WG1026247
Xylenes, Total	U		0.386	1.66	500	10/01/2017 16:01	WG1026247
(S) Toluene-d8	*109*			*80.0-120*		*10/01/2017 16:01*	WG1026247
(S) Dibromofluoromethane	*100*			*74.0-131*		*10/01/2017 16:01*	WG1026247
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 16:01*	WG1026247

Sample Narrative:

L938636-09 WG1026247: Target compound too high to run at a lower dilution.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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	09/24/2017 06:30	WG1024032
Acrylonitrile	U		0.00198	0.0110	1	09/24/2017 06:30	WG1024032
Benzene	U		0.000298	0.00110	1	09/24/2017 06:30	WG1024032
Bromobenzene	U		0.000313	0.00110	1	09/24/2017 06:30	WG1024032
Bromodichloromethane	U		0.000280	0.00110	1	09/24/2017 06:30	WG1024032
Bromochloromethane	U		0.000431	0.00552	1	09/24/2017 06:30	WG1024032
Bromoform	U		0.000468	0.00110	1	09/24/2017 06:30	WG1024032
Bromomethane	U		0.00148	0.00552	1	09/24/2017 06:30	WG1024032
n-Butylbenzene	U		0.000285	0.00110	1	09/24/2017 06:30	WG1024032
sec-Butylbenzene	U		0.000222	0.00110	1	09/24/2017 06:30	WG1024032
tert-Butylbenzene	U		0.000227	0.00110	1	09/24/2017 06:30	WG1024032
Carbon disulfide	0.000317 J	J	0.000244	0.00110	1	09/24/2017 06:30	WG1024032
Carbon tetrachloride	U		0.000362	0.00110	1	09/24/2017 06:30	WG1024032
Chlorobenzene	U		0.000234	0.00110	1	09/24/2017 06:30	WG1024032
Chlorodibromomethane	U		0.000412	0.00110	1	09/24/2017 06:30	WG1024032
Chloroethane	U		0.00104	0.00552	1	09/24/2017 06:30	WG1024032
Chloroform	U		0.000253	0.00552	1	09/24/2017 06:30	WG1024032
Chloromethane	U		0.000414	0.00276	1	09/24/2017 06:30	WG1024032
2-Chlorotoluene	U		0.000332	0.00110	1	09/24/2017 06:30	WG1024032
4-Chlorotoluene	U		0.000265	0.00110	1	09/24/2017 06:30	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00116	0.00552	1	09/24/2017 06:30	WG1024032
1,2-Dibromoethane	U		0.000379	0.00110	1	09/24/2017 06:30	WG1024032
Dibromomethane	U		0.000422	0.00110	1	09/24/2017 06:30	WG1024032
1,2-Dichlorobenzene	U		0.000337	0.00110	1	09/24/2017 06:30	WG1024032
1,3-Dichlorobenzene	U		0.000264	0.00110	1	09/24/2017 06:30	WG1024032
1,4-Dichlorobenzene	U		0.000249	0.00110	1	09/24/2017 06:30	WG1024032
Dichlorodifluoromethane	U		0.000787	0.00552	1	09/24/2017 06:30	WG1024032
1,1-Dichloroethane	U		0.000220	0.00110	1	09/24/2017 06:30	WG1024032
1,2-Dichloroethane	U		0.000293	0.00110	1	09/24/2017 06:30	WG1024032
1,1-Dichloroethene	U		0.000334	0.00110	1	09/24/2017 06:30	WG1024032
cis-1,2-Dichloroethene	0.00582		0.000259	0.00110	1	09/24/2017 06:30	WG1024032
trans-1,2-Dichloroethene	U		0.000291	0.00110	1	09/24/2017 06:30	WG1024032
1,2-Dichloropropane	U		0.000395	0.00110	1	09/24/2017 06:30	WG1024032
1,1-Dichloropropene	U		0.000350	0.00110	1	09/24/2017 06:30	WG1024032
1,3-Dichloropropane	U		0.000228	0.00110	1	09/24/2017 06:30	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000289	0.00110	1	09/24/2017 06:30	WG1024032
trans-1,3-Dichloropropene	U		0.000295	0.00110	1	09/24/2017 06:30	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000859	0.00276	1	09/24/2017 06:30	WG1024032
2,2-Dichloropropane	U UJ	J0	0.000308	0.00110	1	09/24/2017 06:30	WG1024032
Di-isopropyl ether	U		0.000274	0.00110	1	09/24/2017 06:30	WG1024032
Ethylbenzene	U		0.000328	0.00110	1	09/24/2017 06:30	WG1024032
Hexachloro-1,3-butadiene	U		0.000378	0.00110	1	09/24/2017 06:30	WG1024032
2-Hexanone	U		0.00151	0.0110	1	09/24/2017 06:30	WG1024032
n-Hexane	U		0.000320	0.0110	1	09/24/2017 06:30	WG1024032
Iodomethane	U		0.00279	0.0110	1	09/24/2017 06:30	WG1024032
Isopropylbenzene	U		0.000268	0.00110	1	09/24/2017 06:30	WG1024032
p-Isopropyltoluene	U		0.000225	0.00110	1	09/24/2017 06:30	WG1024032
2-Butanone (MEK)	U		0.00517	0.0110	1	09/24/2017 06:30	WG1024032
Methylene Chloride	U		0.00110	0.00552	1	09/24/2017 06:30	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00208	0.0110	1	09/24/2017 06:30	WG1024032

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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	09/24/2017 06:30	WG1024032
Naphthalene	U		0.00110	0.00552	1	09/24/2017 06:30	WG1024032
n-Propylbenzene	U		0.000227	0.00110	1	09/24/2017 06:30	WG1024032
Styrene	U		0.000258	0.00110	1	09/24/2017 06:30	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000291	0.00110	1	09/24/2017 06:30	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000403	0.00110	1	09/24/2017 06:30	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000403	0.00110	1	09/24/2017 06:30	WG1024032
Tetrachloroethene	0.0853 J	J0	0.000305	0.00110	1	09/24/2017 06:30	WG1024032
Toluene	U		0.000479	0.00552	1	09/24/2017 06:30	WG1024032
1,2,3-Trichlorobenzene	U		0.000338	0.00110	1	09/24/2017 06:30	WG1024032
1,2,4-Trichlorobenzene	U		0.000428	0.00110	1	09/24/2017 06:30	WG1024032
1,1,1-Trichloroethane	U		0.000316	0.00110	1	09/24/2017 06:30	WG1024032
1,1,2-Trichloroethane	U		0.000306	0.00110	1	09/24/2017 06:30	WG1024032
Trichloroethene	0.00152		0.000308	0.00110	1	09/24/2017 06:30	WG1024032
Trichlorofluoromethane	U		0.000422	0.00552	1	09/24/2017 06:30	WG1024032
1,2,3-Trichloropropane	U		0.000818	0.00276	1	09/24/2017 06:30	WG1024032
1,2,4-Trimethylbenzene	U		0.000233	0.00110	1	09/24/2017 06:30	WG1024032
1,2,3-Trimethylbenzene	U		0.000317	0.00110	1	09/24/2017 06:30	WG1024032
1,3,5-Trimethylbenzene	U		0.000294	0.00110	1	09/24/2017 06:30	WG1024032
Vinyl acetate	U		0.00264	0.0110	1	09/24/2017 06:30	WG1024032
Vinyl chloride	0.00153		0.000321	0.00110	1	09/24/2017 06:30	WG1024032
Xylenes, Total	U		0.000770	0.00331	1	09/24/2017 06:30	WG1024032
(S) Toluene-d8	*106*			*80.0-120*		*09/24/2017 06:30*	WG1024032
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/24/2017 06:30*	WG1024032
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*09/24/2017 06:30*	WG1024032

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	09/26/2017 08:36	WG1024280

Volatile Organic Compounds (GC/MS) 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	09/24/2017 06:50	WG1024032
Acrylonitrile	U		0.00203	0.0113	1	09/24/2017 06:50	WG1024032
Benzene	U		0.000306	0.00113	1	09/24/2017 06:50	WG1024032
Bromobenzene	U		0.000322	0.00113	1	09/24/2017 06:50	WG1024032
Bromodichloromethane	U		0.000288	0.00113	1	09/24/2017 06:50	WG1024032
Bromochloromethane	U		0.000442	0.00567	1	09/24/2017 06:50	WG1024032
Bromoform	U		0.000481	0.00113	1	09/24/2017 06:50	WG1024032
Bromomethane	U		0.00152	0.00567	1	09/24/2017 06:50	WG1024032
n-Butylbenzene	U		0.000293	0.00113	1	09/24/2017 06:50	WG1024032
sec-Butylbenzene	U		0.000228	0.00113	1	09/24/2017 06:50	WG1024032
tert-Butylbenzene	U		0.000234	0.00113	1	09/24/2017 06:50	WG1024032
Carbon disulfide	0.000299 J	J	0.000251	0.00113	1	09/24/2017 06:50	WG1024032
Carbon tetrachloride	U		0.000372	0.00113	1	09/24/2017 06:50	WG1024032
Chlorobenzene	U		0.000240	0.00113	1	09/24/2017 06:50	WG1024032
Chlorodibromomethane	U		0.000423	0.00113	1	09/24/2017 06:50	WG1024032
Chloroethane	U		0.00107	0.00567	1	09/24/2017 06:50	WG1024032
Chloroform	U		0.000260	0.00567	1	09/24/2017 06:50	WG1024032
Chloromethane	U		0.000425	0.00283	1	09/24/2017 06:50	WG1024032
2-Chlorotoluene	U		0.000341	0.00113	1	09/24/2017 06:50	WG1024032
4-Chlorotoluene	U		0.000272	0.00113	1	09/24/2017 06:50	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00119	0.00567	1	09/24/2017 06:50	WG1024032
1,2-Dibromoethane	U		0.000389	0.00113	1	09/24/2017 06:50	WG1024032
Dibromomethane	U		0.000433	0.00113	1	09/24/2017 06:50	WG1024032
1,2-Dichlorobenzene	U		0.000346	0.00113	1	09/24/2017 06:50	WG1024032
1,3-Dichlorobenzene	U		0.000271	0.00113	1	09/24/2017 06:50	WG1024032
1,4-Dichlorobenzene	U		0.000256	0.00113	1	09/24/2017 06:50	WG1024032
Dichlorodifluoromethane	U		0.000808	0.00567	1	09/24/2017 06:50	WG1024032
1,1-Dichloroethane	U		0.000226	0.00113	1	09/24/2017 06:50	WG1024032
1,2-Dichloroethane	U		0.000300	0.00113	1	09/24/2017 06:50	WG1024032
1,1-Dichloroethene	0.0110		0.000344	0.00113	1	09/24/2017 06:50	WG1024032
cis-1,2-Dichloroethene	U		0.000266	0.00113	1	09/24/2017 06:50	WG1024032
trans-1,2-Dichloroethene	0.00481		0.000299	0.00113	1	09/24/2017 06:50	WG1024032
1,2-Dichloropropane	U		0.000406	0.00113	1	09/24/2017 06:50	WG1024032
1,1-Dichloropropene	U		0.000359	0.00113	1	09/24/2017 06:50	WG1024032
1,3-Dichloropropane	U		0.000235	0.00113	1	09/24/2017 06:50	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000297	0.00113	1	09/24/2017 06:50	WG1024032
trans-1,3-Dichloropropene	U		0.000303	0.00113	1	09/24/2017 06:50	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000882	0.00283	1	09/24/2017 06:50	WG1024032
2,2-Dichloropropane	U UJ	J0	0.000316	0.00113	1	09/24/2017 06:50	WG1024032
Di-isopropyl ether	U		0.000281	0.00113	1	09/24/2017 06:50	WG1024032
Ethylbenzene	U		0.000337	0.00113	1	09/24/2017 06:50	WG1024032
Hexachloro-1,3-butadiene	U		0.000388	0.00113	1	09/24/2017 06:50	WG1024032
2-Hexanone	U		0.00155	0.0113	1	09/24/2017 06:50	WG1024032
n-Hexane	U		0.000329	0.0113	1	09/24/2017 06:50	WG1024032
Iodomethane	U		0.00287	0.0113	1	09/24/2017 06:50	WG1024032
Isopropylbenzene	U		0.000276	0.00113	1	09/24/2017 06:50	WG1024032
p-Isopropyltoluene	U		0.000231	0.00113	1	09/24/2017 06:50	WG1024032
2-Butanone (MEK)	U		0.00531	0.0113	1	09/24/2017 06:50	WG1024032
Methylene Chloride	U		0.00113	0.00567	1	09/24/2017 06:50	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00213	0.0113	1	09/24/2017 06:50	WG1024032

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

Analyte	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	09/24/2017 06:50	WG1024032
Naphthalene	U		0.00113	0.00567	1	09/24/2017 06:50	WG1024032
n-Propylbenzene	U		0.000234	0.00113	1	09/24/2017 06:50	WG1024032
Styrene	U		0.000265	0.00113	1	09/24/2017 06:50	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000299	0.00113	1	09/24/2017 06:50	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000414	0.00113	1	09/24/2017 06:50	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000414	0.00113	1	09/24/2017 06:50	WG1024032
Tetrachloroethene	1.01		0.0156	0.0567	50	10/01/2017 18:25	WG1024032
Toluene	U		0.000492	0.00567	1	09/24/2017 06:50	WG1024032
1,2,3-Trichlorobenzene	U		0.000347	0.00113	1	09/24/2017 06:50	WG1024032
1,2,4-Trichlorobenzene	U		0.000440	0.00113	1	09/24/2017 06:50	WG1024032
1,1,1-Trichloroethane	U		0.000324	0.00113	1	09/24/2017 06:50	WG1024032
1,1,2-Trichloroethane	U		0.000314	0.00113	1	09/24/2017 06:50	WG1024032
Trichloroethene	0.815		0.0159	0.0567	50	10/01/2017 18:25	WG1024032
Trichlorofluoromethane	U		0.000433	0.00567	1	09/24/2017 06:50	WG1024032
1,2,3-Trichloropropane	U		0.000840	0.00283	1	09/24/2017 06:50	WG1024032
1,2,4-Trimethylbenzene	U		0.000239	0.00113	1	09/24/2017 06:50	WG1024032
1,2,3-Trimethylbenzene	U		0.000325	0.00113	1	09/24/2017 06:50	WG1024032
1,3,5-Trimethylbenzene	U		0.000302	0.00113	1	09/24/2017 06:50	WG1024032
Vinyl acetate	U		0.00271	0.0113	1	09/24/2017 06:50	WG1024032
Vinyl chloride	0.00907		0.000330	0.00113	1	09/24/2017 06:50	WG1024032
Xylenes, Total	U		0.000791	0.00340	1	09/24/2017 06:50	WG1024032
(S) Toluene-d8	*107*			*80.0-120*		*09/24/2017 06:50*	WG1024032
(S) Toluene-d8	*108*			*80.0-120*		*10/01/2017 18:25*	WG1024032
(S) Dibromofluoromethane	*101*			*74.0-131*		*10/01/2017 18:25*	WG1024032
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/24/2017 06:50*	WG1024032
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*10/01/2017 18:25*	WG1024032
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/24/2017 06:50*	WG1024032

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	09/26/2017 08:27	WG1024282

Volatile Organic Compounds (GC/MS) 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	09/24/2017 07:09	WG1024032
Acrylonitrile	U		0.00207	0.0116	1	09/24/2017 07:09	WG1024032
Benzene	U		0.000312	0.00116	1	09/24/2017 07:09	WG1024032
Bromobenzene	U		0.000328	0.00116	1	09/24/2017 07:09	WG1024032
Bromodichloromethane	U		0.000294	0.00116	1	09/24/2017 07:09	WG1024032
Bromochloromethane	U		0.000451	0.00578	1	09/24/2017 07:09	WG1024032
Bromoform	U		0.000490	0.00116	1	09/24/2017 07:09	WG1024032
Bromomethane	U		0.00155	0.00578	1	09/24/2017 07:09	WG1024032
n-Butylbenzene	U		0.000298	0.00116	1	09/24/2017 07:09	WG1024032
sec-Butylbenzene	U		0.000232	0.00116	1	09/24/2017 07:09	WG1024032
tert-Butylbenzene	U		0.000238	0.00116	1	09/24/2017 07:09	WG1024032
Carbon disulfide	U		0.000255	0.00116	1	09/24/2017 07:09	WG1024032
Carbon tetrachloride	U		0.000379	0.00116	1	09/24/2017 07:09	WG1024032
Chlorobenzene	U		0.000245	0.00116	1	09/24/2017 07:09	WG1024032
Chlorodibromomethane	U		0.000431	0.00116	1	09/24/2017 07:09	WG1024032
Chloroethane	U		0.00109	0.00578	1	09/24/2017 07:09	WG1024032
Chloroform	U		0.000265	0.00578	1	09/24/2017 07:09	WG1024032
Chloromethane	U		0.000433	0.00289	1	09/24/2017 07:09	WG1024032
2-Chlorotoluene	U		0.000348	0.00116	1	09/24/2017 07:09	WG1024032
4-Chlorotoluene	U		0.000277	0.00116	1	09/24/2017 07:09	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00121	0.00578	1	09/24/2017 07:09	WG1024032
1,2-Dibromoethane	U		0.000396	0.00116	1	09/24/2017 07:09	WG1024032
Dibromomethane	U		0.000442	0.00116	1	09/24/2017 07:09	WG1024032
1,2-Dichlorobenzene	U		0.000353	0.00116	1	09/24/2017 07:09	WG1024032
1,3-Dichlorobenzene	U		0.000276	0.00116	1	09/24/2017 07:09	WG1024032
1,4-Dichlorobenzene	U		0.000261	0.00116	1	09/24/2017 07:09	WG1024032
Dichlorodifluoromethane	U		0.000824	0.00578	1	09/24/2017 07:09	WG1024032
1,1-Dichloroethane	U		0.000230	0.00116	1	09/24/2017 07:09	WG1024032
1,2-Dichloroethane	U		0.000306	0.00116	1	09/24/2017 07:09	WG1024032
1,1-Dichloroethene	0.00119		0.000350	0.00116	1	09/24/2017 07:09	WG1024032
cis-1,2-Dichloroethene	0.109		0.000272	0.00116	1	09/24/2017 07:09	WG1024032
trans-1,2-Dichloroethene	0.00171		0.000305	0.00116	1	09/24/2017 07:09	WG1024032
1,2-Dichloropropane	U		0.000414	0.00116	1	09/24/2017 07:09	WG1024032
1,1-Dichloropropene	U		0.000366	0.00116	1	09/24/2017 07:09	WG1024032
1,3-Dichloropropane	U		0.000239	0.00116	1	09/24/2017 07:09	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000303	0.00116	1	09/24/2017 07:09	WG1024032
trans-1,3-Dichloropropene	U		0.000309	0.00116	1	09/24/2017 07:09	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000899	0.00289	1	09/24/2017 07:09	WG1024032
2,2-Dichloropropane	U UJ	J0	0.000322	0.00116	1	09/24/2017 07:09	WG1024032
Di-isopropyl ether	U		0.000287	0.00116	1	09/24/2017 07:09	WG1024032
Ethylbenzene	U		0.000343	0.00116	1	09/24/2017 07:09	WG1024032
Hexachloro-1,3-butadiene	U		0.000395	0.00116	1	09/24/2017 07:09	WG1024032
2-Hexanone	U		0.00158	0.0116	1	09/24/2017 07:09	WG1024032
n-Hexane	U		0.000335	0.0116	1	09/24/2017 07:09	WG1024032
Iodomethane	U		0.00292	0.0116	1	09/24/2017 07:09	WG1024032
Isopropylbenzene	U		0.000281	0.00116	1	09/24/2017 07:09	WG1024032
p-Isopropyltoluene	U		0.000236	0.00116	1	09/24/2017 07:09	WG1024032
2-Butanone (MEK)	U		0.00541	0.0116	1	09/24/2017 07:09	WG1024032
Methylene Chloride	U		0.00116	0.00578	1	09/24/2017 07:09	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00217	0.0116	1	09/24/2017 07:09	WG1024032

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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	09/24/2017 07:09	WG1024032
Naphthalene	U		0.00116	0.00578	1	09/24/2017 07:09	WG1024032
n-Propylbenzene	U		0.000238	0.00116	1	09/24/2017 07:09	WG1024032
Styrene	U		0.000270	0.00116	1	09/24/2017 07:09	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000305	0.00116	1	09/24/2017 07:09	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000422	0.00116	1	09/24/2017 07:09	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000422	0.00116	1	09/24/2017 07:09	WG1024032
Tetrachloroethene	0.714		0.00797	0.0289	25	10/01/2017 18:45	WG1024032
Toluene	U		0.000502	0.00578	1	09/24/2017 07:09	WG1024032
1,2,3-Trichlorobenzene	U		0.000354	0.00116	1	09/24/2017 07:09	WG1024032
1,2,4-Trichlorobenzene	U		0.000448	0.00116	1	09/24/2017 07:09	WG1024032
1,1,1-Trichloroethane	U		0.000331	0.00116	1	09/24/2017 07:09	WG1024032
1,1,2-Trichloroethane	U		0.000320	0.00116	1	09/24/2017 07:09	WG1024032
Trichloroethene	0.130		0.000322	0.00116	1	09/24/2017 07:09	WG1024032
Trichlorofluoromethane	U		0.000442	0.00578	1	09/24/2017 07:09	WG1024032
1,2,3-Trichloropropane	U		0.000856	0.00289	1	09/24/2017 07:09	WG1024032
1,2,4-Trimethylbenzene	U		0.000244	0.00116	1	09/24/2017 07:09	WG1024032
1,2,3-Trimethylbenzene	U		0.000332	0.00116	1	09/24/2017 07:09	WG1024032
1,3,5-Trimethylbenzene	U		0.000307	0.00116	1	09/24/2017 07:09	WG1024032
Vinyl acetate	U		0.00276	0.0116	1	09/24/2017 07:09	WG1024032
Vinyl chloride	0.0116		0.000336	0.00116	1	09/24/2017 07:09	WG1024032
Xylenes, Total	U		0.000807	0.00347	1	09/24/2017 07:09	WG1024032
(S) Toluene-d8	*107*			*80.0-120*		*09/24/2017 07:09*	WG1024032
(S) Toluene-d8	*110*			*80.0-120*		*10/01/2017 18:45*	WG1024032
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/24/2017 07:09*	WG1024032
(S) Dibromofluoromethane	*96.6*			*74.0-131*		*10/01/2017 18:45*	WG1024032
(S) 4-Bromofluorobenzene	*109*			*64.0-132*		*09/24/2017 07:09*	WG1024032
(S) 4-Bromofluorobenzene	*104*			*64.0-132*		*10/01/2017 18:45*	WG1024032

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	09/26/2017 08:27	WG1024282

Volatile Organic Compounds (GC/MS) 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	09/24/2017 07:29	WG1024032
Acrylonitrile	U		0.00201	0.0112	1	09/24/2017 07:29	WG1024032
Benzene	U		0.000303	0.00112	1	09/24/2017 07:29	WG1024032
Bromobenzene	U		0.000318	0.00112	1	09/24/2017 07:29	WG1024032
Bromodichloromethane	U		0.000285	0.00112	1	09/24/2017 07:29	WG1024032
Bromochloromethane	U		0.000437	0.00560	1	09/24/2017 07:29	WG1024032
Bromoform	U		0.000475	0.00112	1	09/24/2017 07:29	WG1024032
Bromomethane	U		0.00150	0.00560	1	09/24/2017 07:29	WG1024032
n-Butylbenzene	U		0.000289	0.00112	1	09/24/2017 07:29	WG1024032
sec-Butylbenzene	U		0.000225	0.00112	1	09/24/2017 07:29	WG1024032
tert-Butylbenzene	U		0.000231	0.00112	1	09/24/2017 07:29	WG1024032
Carbon disulfide	U		0.000248	0.00112	1	09/24/2017 07:29	WG1024032
Carbon tetrachloride	U		0.000368	0.00112	1	09/24/2017 07:29	WG1024032
Chlorobenzene	U		0.000238	0.00112	1	09/24/2017 07:29	WG1024032
Chlorodibromomethane	U		0.000418	0.00112	1	09/24/2017 07:29	WG1024032
Chloroethane	0.00230 J	J	0.00106	0.00560	1	09/24/2017 07:29	WG1024032
Chloroform	U		0.000257	0.00560	1	09/24/2017 07:29	WG1024032
Chloromethane	U		0.000420	0.00280	1	09/24/2017 07:29	WG1024032
2-Chlorotoluene	U		0.000337	0.00112	1	09/24/2017 07:29	WG1024032
4-Chlorotoluene	U		0.000269	0.00112	1	09/24/2017 07:29	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00118	0.00560	1	09/24/2017 07:29	WG1024032
1,2-Dibromoethane	U		0.000384	0.00112	1	09/24/2017 07:29	WG1024032
Dibromomethane	U		0.000428	0.00112	1	09/24/2017 07:29	WG1024032
1,2-Dichlorobenzene	U		0.000342	0.00112	1	09/24/2017 07:29	WG1024032
1,3-Dichlorobenzene	U		0.000268	0.00112	1	09/24/2017 07:29	WG1024032
1,4-Dichlorobenzene	U		0.000253	0.00112	1	09/24/2017 07:29	WG1024032
Dichlorodifluoromethane	U		0.000799	0.00560	1	09/24/2017 07:29	WG1024032
1,1-Dichloroethane	U		0.000223	0.00112	1	09/24/2017 07:29	WG1024032
1,2-Dichloroethane	U		0.000297	0.00112	1	09/24/2017 07:29	WG1024032
1,1-Dichloroethene	U		0.000339	0.00112	1	09/24/2017 07:29	WG1024032
cis-1,2-Dichloroethene	0.0255		0.000263	0.00112	1	09/24/2017 07:29	WG1024032
trans-1,2-Dichloroethene	0.000980 J	J	0.000296	0.00112	1	09/24/2017 07:29	WG1024032
1,2-Dichloropropane	U		0.000401	0.00112	1	09/24/2017 07:29	WG1024032
1,1-Dichloropropene	U		0.000355	0.00112	1	09/24/2017 07:29	WG1024032
1,3-Dichloropropane	U		0.000232	0.00112	1	09/24/2017 07:29	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000294	0.00112	1	09/24/2017 07:29	WG1024032
trans-1,3-Dichloropropene	U		0.000299	0.00112	1	09/24/2017 07:29	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000872	0.00280	1	09/24/2017 07:29	WG1024032
2,2-Dichloropropane	U UJ	J0	0.000313	0.00112	1	09/24/2017 07:29	WG1024032
Di-isopropyl ether	U		0.000278	0.00112	1	09/24/2017 07:29	WG1024032
Ethylbenzene	U		0.000333	0.00112	1	09/24/2017 07:29	WG1024032
Hexachloro-1,3-butadiene	U		0.000383	0.00112	1	09/24/2017 07:29	WG1024032
2-Hexanone	U		0.00153	0.0112	1	09/24/2017 07:29	WG1024032
n-Hexane	U		0.000325	0.0112	1	09/24/2017 07:29	WG1024032
Iodomethane	U		0.00283	0.0112	1	09/24/2017 07:29	WG1024032
Isopropylbenzene	U		0.000272	0.00112	1	09/24/2017 07:29	WG1024032
p-Isopropyltoluene	U		0.000229	0.00112	1	09/24/2017 07:29	WG1024032
2-Butanone (MEK)	0.00629 J	J	0.00524	0.0112	1	09/24/2017 07:29	WG1024032
Methylene Chloride	U		0.00112	0.00560	1	09/24/2017 07:29	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00211	0.0112	1	09/24/2017 07:29	WG1024032

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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	09/24/2017 07:29	WG1024032
Naphthalene	U		0.00112	0.00560	1	09/24/2017 07:29	WG1024032
n-Propylbenzene	U		0.000231	0.00112	1	09/24/2017 07:29	WG1024032
Styrene	U		0.000262	0.00112	1	09/24/2017 07:29	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000296	0.00112	1	09/24/2017 07:29	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000409	0.00112	1	09/24/2017 07:29	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000409	0.00112	1	09/24/2017 07:29	WG1024032
Tetrachloroethene	0.0190 UJ	J0	0.000309	0.00112	1	09/24/2017 07:29	WG1024032
Toluene	U		0.000486	0.00560	1	09/24/2017 07:29	WG1024032
1,2,3-Trichlorobenzene	U		0.000343	0.00112	1	09/24/2017 07:29	WG1024032
1,2,4-Trichlorobenzene	U		0.000435	0.00112	1	09/24/2017 07:29	WG1024032
1,1,1-Trichloroethane	U		0.000320	0.00112	1	09/24/2017 07:29	WG1024032
1,1,2-Trichloroethane	U		0.000310	0.00112	1	09/24/2017 07:29	WG1024032
Trichloroethene	0.00506		0.000313	0.00112	1	09/24/2017 07:29	WG1024032
Trichlorofluoromethane	U		0.000428	0.00560	1	09/24/2017 07:29	WG1024032
1,2,3-Trichloropropane	U		0.000830	0.00280	1	09/24/2017 07:29	WG1024032
1,2,4-Trimethylbenzene	U		0.000236	0.00112	1	09/24/2017 07:29	WG1024032
1,2,3-Trimethylbenzene	U		0.000322	0.00112	1	09/24/2017 07:29	WG1024032
1,3,5-Trimethylbenzene	U		0.000298	0.00112	1	09/24/2017 07:29	WG1024032
Vinyl acetate	U		0.00268	0.0112	1	09/24/2017 07:29	WG1024032
Vinyl chloride	0.0120		0.000326	0.00112	1	09/24/2017 07:29	WG1024032
Xylenes, Total	U		0.000782	0.00336	1	09/24/2017 07:29	WG1024032
(S) Toluene-d8	*106*			*80.0-120*		*09/24/2017 07:29*	WG1024032
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/24/2017 07:29*	WG1024032
(S) 4-Bromofluorobenzene	*108*			*64.0-132*		*09/24/2017 07:29*	WG1024032

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.6		1	09/26/2017 08:27	WG1024282

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0124	0.0620	1	09/24/2017 07:48	WG1024032
Acrylonitrile	U		0.00222	0.0124	1	09/24/2017 07:48	WG1024032
Benzene	0.000387 J	J	0.000335	0.00124	1	09/24/2017 07:48	WG1024032
Bromobenzene	U		0.000352	0.00124	1	09/24/2017 07:48	WG1024032
Bromodichloromethane	U		0.000315	0.00124	1	09/24/2017 07:48	WG1024032
Bromochloromethane	U		0.000484	0.00620	1	09/24/2017 07:48	WG1024032
Bromoform	U		0.000526	0.00124	1	09/24/2017 07:48	WG1024032
Bromomethane	U		0.00166	0.00620	1	09/24/2017 07:48	WG1024032
n-Butylbenzene	U		0.000320	0.00124	1	09/24/2017 07:48	WG1024032
sec-Butylbenzene	U		0.000249	0.00124	1	09/24/2017 07:48	WG1024032
tert-Butylbenzene	U		0.000255	0.00124	1	09/24/2017 07:48	WG1024032
Carbon disulfide	0.00400		0.000274	0.00124	1	09/24/2017 07:48	WG1024032
Carbon tetrachloride	U		0.000407	0.00124	1	09/24/2017 07:48	WG1024032
Chlorobenzene	U		0.000263	0.00124	1	09/24/2017 07:48	WG1024032
Chlorodibromomethane	U		0.000463	0.00124	1	09/24/2017 07:48	WG1024032
Chloroethane	U		0.00117	0.00620	1	09/24/2017 07:48	WG1024032
Chloroform	U		0.000284	0.00620	1	09/24/2017 07:48	WG1024032
Chloromethane	U		0.000465	0.00310	1	09/24/2017 07:48	WG1024032
2-Chlorotoluene	U		0.000373	0.00124	1	09/24/2017 07:48	WG1024032
4-Chlorotoluene	U		0.000298	0.00124	1	09/24/2017 07:48	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00130	0.00620	1	09/24/2017 07:48	WG1024032
1,2-Dibromoethane	U		0.000425	0.00124	1	09/24/2017 07:48	WG1024032
Dibromomethane	U		0.000474	0.00124	1	09/24/2017 07:48	WG1024032
1,2-Dichlorobenzene	U		0.000378	0.00124	1	09/24/2017 07:48	WG1024032
1,3-Dichlorobenzene	U		0.000296	0.00124	1	09/24/2017 07:48	WG1024032
1,4-Dichlorobenzene	U		0.000280	0.00124	1	09/24/2017 07:48	WG1024032
Dichlorodifluoromethane	U		0.000884	0.00620	1	09/24/2017 07:48	WG1024032
1,1-Dichloroethane	U		0.000247	0.00124	1	09/24/2017 07:48	WG1024032
1,2-Dichloroethane	U		0.000329	0.00124	1	09/24/2017 07:48	WG1024032
1,1-Dichloroethene	0.00666		0.000376	0.00124	1	09/24/2017 07:48	WG1024032
cis-1,2-Dichloroethene	7.34		0.0291	0.124	100	10/01/2017 19:04	WG1024032
trans-1,2-Dichloroethene	0.0431		0.000327	0.00124	1	09/24/2017 07:48	WG1024032
1,2-Dichloropropane	U		0.000444	0.00124	1	09/24/2017 07:48	WG1024032
1,1-Dichloropropene	U		0.000393	0.00124	1	09/24/2017 07:48	WG1024032
1,3-Dichloropropane	U		0.000257	0.00124	1	09/24/2017 07:48	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000325	0.00124	1	09/24/2017 07:48	WG1024032
trans-1,3-Dichloropropene	U		0.000331	0.00124	1	09/24/2017 07:48	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000965	0.00310	1	09/24/2017 07:48	WG1024032
2,2-Dichloropropane	U UJ	J0	0.000346	0.00124	1	09/24/2017 07:48	WG1024032
Di-isopropyl ether	U		0.000308	0.00124	1	09/24/2017 07:48	WG1024032
Ethylbenzene	U		0.000368	0.00124	1	09/24/2017 07:48	WG1024032
Hexachloro-1,3-butadiene	U		0.000424	0.00124	1	09/24/2017 07:48	WG1024032
2-Hexanone	U		0.00170	0.0124	1	09/24/2017 07:48	WG1024032
n-Hexane	0.00395 J	J	0.000360	0.0124	1	09/24/2017 07:48	WG1024032
Iodomethane	U		0.00314	0.0124	1	09/24/2017 07:48	WG1024032
Isopropylbenzene	U		0.000301	0.00124	1	09/24/2017 07:48	WG1024032
p-Isopropyltoluene	U		0.000253	0.00124	1	09/24/2017 07:48	WG1024032
2-Butanone (MEK)	U		0.00580	0.0124	1	09/24/2017 07:48	WG1024032
Methylene Chloride	U		0.00124	0.00620	1	09/24/2017 07:48	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00233	0.0124	1	09/24/2017 07:48	WG1024032

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.000263	0.00124	1	09/24/2017 07:48	WG1024032
Naphthalene	U		0.00124	0.00620	1	09/24/2017 07:48	WG1024032
n-Propylbenzene	U		0.000255	0.00124	1	09/24/2017 07:48	WG1024032
Styrene	U		0.000290	0.00124	1	09/24/2017 07:48	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000327	0.00124	1	09/24/2017 07:48	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000453	0.00124	1	09/24/2017 07:48	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000453	0.00124	1	09/24/2017 07:48	WG1024032
Tetrachloroethene	0.0557 J	J0	0.000342	0.00124	1	09/24/2017 07:48	WG1024032
Toluene	U		0.000538	0.00620	1	09/24/2017 07:48	WG1024032
1,2,3-Trichlorobenzene	U		0.000380	0.00124	1	09/24/2017 07:48	WG1024032
1,2,4-Trichlorobenzene	U		0.000481	0.00124	1	09/24/2017 07:48	WG1024032
1,1,1-Trichloroethane	U		0.000355	0.00124	1	09/24/2017 07:48	WG1024032
1,1,2-Trichloroethane	U		0.000344	0.00124	1	09/24/2017 07:48	WG1024032
Trichloroethene	0.00699		0.000346	0.00124	1	09/24/2017 07:48	WG1024032
Trichlorofluoromethane	U		0.000474	0.00620	1	09/24/2017 07:48	WG1024032
1,2,3-Trichloropropane	U		0.000919	0.00310	1	09/24/2017 07:48	WG1024032
1,2,4-Trimethylbenzene	U		0.000262	0.00124	1	09/24/2017 07:48	WG1024032
1,2,3-Trimethylbenzene	U		0.000356	0.00124	1	09/24/2017 07:48	WG1024032
1,3,5-Trimethylbenzene	U		0.000330	0.00124	1	09/24/2017 07:48	WG1024032
Vinyl acetate	U		0.00296	0.0124	1	09/24/2017 07:48	WG1024032
Vinyl chloride	0.127		0.000361	0.00124	1	09/24/2017 07:48	WG1024032
Xylenes, Total	U		0.000866	0.00372	1	09/24/2017 07:48	WG1024032
(S) Toluene-d8	*106*			*80.0-120*		*09/24/2017 07:48*	WG1024032
(S) Toluene-d8	*107*			*80.0-120*		*10/01/2017 19:04*	WG1024032
(S) Dibromofluoromethane	*102*			*74.0-131*		*10/01/2017 19:04*	WG1024032
(S) Dibromofluoromethane	*108*			*74.0-131*		*09/24/2017 07:48*	WG1024032
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*09/24/2017 07:48*	WG1024032
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*10/01/2017 19:04*	WG1024032

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	09/26/2017 08:27	WG1024282

Volatile Organic Compounds (GC/MS) 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	0.536	2.68	50	10/01/2017 19:25	WG1024032
Acrylonitrile	U		0.0960	0.536	50	10/01/2017 19:25	WG1024032
Benzene	U		0.0145	0.0536	50	10/01/2017 19:25	WG1024032
Bromobenzene	U		0.0152	0.0536	50	10/01/2017 19:25	WG1024032
Bromodichloromethane	U		0.0136	0.0536	50	10/01/2017 19:25	WG1024032
Bromochloromethane	U		0.0209	0.268	50	10/01/2017 19:25	WG1024032
Bromoform	U		0.0227	0.0536	50	10/01/2017 19:25	WG1024032
Bromomethane	U		0.0719	0.268	50	10/01/2017 19:25	WG1024032
n-Butylbenzene	U		0.0138	0.0536	50	10/01/2017 19:25	WG1024032
sec-Butylbenzene	U		0.0107	0.0536	50	10/01/2017 19:25	WG1024032
tert-Butylbenzene	U		0.0110	0.0536	50	10/01/2017 19:25	WG1024032
Carbon disulfide	U		0.0118	0.0536	50	10/01/2017 19:25	WG1024032
Carbon tetrachloride	U		0.0176	0.0536	50	10/01/2017 19:25	WG1024032
Chlorobenzene	U		0.0114	0.0536	50	10/01/2017 19:25	WG1024032
Chlorodibromomethane	U		0.0199	0.0536	50	10/01/2017 19:25	WG1024032
Chloroethane	U		0.0507	0.268	50	10/01/2017 19:25	WG1024032
Chloroform	U		0.0122	0.268	50	10/01/2017 19:25	WG1024032
Chloromethane	U		0.0202	0.134	50	10/01/2017 19:25	WG1024032
2-Chlorotoluene	U		0.0161	0.0536	50	10/01/2017 19:25	WG1024032
4-Chlorotoluene	U		0.0129	0.0536	50	10/01/2017 19:25	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.0563	0.268	50	10/01/2017 19:25	WG1024032
1,2-Dibromoethane	U		0.0184	0.0536	50	10/01/2017 19:25	WG1024032
Dibromomethane	U		0.0205	0.0536	50	10/01/2017 19:25	WG1024032
1,2-Dichlorobenzene	U		0.0163	0.0536	50	10/01/2017 19:25	WG1024032
1,3-Dichlorobenzene	U		0.0129	0.0536	50	10/01/2017 19:25	WG1024032
1,4-Dichlorobenzene	U		0.0121	0.0536	50	10/01/2017 19:25	WG1024032
Dichlorodifluoromethane	U		0.0382	0.268	50	10/01/2017 19:25	WG1024032
1,1-Dichloroethane	U		0.0107	0.0536	50	10/01/2017 19:25	WG1024032
1,2-Dichloroethane	U		0.0142	0.0536	50	10/01/2017 19:25	WG1024032
1,1-Dichloroethene	U		0.0163	0.0536	50	10/01/2017 19:25	WG1024032
cis-1,2-Dichloroethene	0.498 J		0.0127	0.0536	50	10/01/2017 19:25	WG1024032
trans-1,2-Dichloroethene	U		0.0142	0.0536	50	10/01/2017 19:25	WG1024032
1,2-Dichloropropane	U		0.0192	0.0536	50	10/01/2017 19:25	WG1024032
1,1-Dichloropropene	U		0.0169	0.0536	50	10/01/2017 19:25	WG1024032
1,3-Dichloropropane	U		0.0112	0.0536	50	10/01/2017 19:25	WG1024032
cis-1,3-Dichloropropene	U	J4	0.0140	0.0536	50	10/01/2017 19:25	WG1024032
trans-1,3-Dichloropropene	U		0.0144	0.0536	50	10/01/2017 19:25	WG1024032
trans-1,4-Dichloro-2-butene	U UJ	J0	0.0417	0.134	50	10/01/2017 19:25	WG1024032
2,2-Dichloropropane	U UJ	J0	0.0150	0.0536	50	10/01/2017 19:25	WG1024032
Di-isopropyl ether	U UJ	J0	0.0133	0.0536	50	10/01/2017 19:25	WG1024032
Ethylbenzene	U		0.0159	0.0536	50	10/01/2017 19:25	WG1024032
Hexachloro-1,3-butadiene	U		0.0183	0.0536	50	10/01/2017 19:25	WG1024032
2-Hexanone	U		0.0735	0.536	50	10/01/2017 19:25	WG1024032
n-Hexane	U UJ	J0	0.0156	0.536	50	10/01/2017 19:25	WG1024032
Iodomethane	U		0.135	0.536	50	10/01/2017 19:25	WG1024032
Isopropylbenzene	U		0.0131	0.0536	50	10/01/2017 19:25	WG1024032
p-Isopropyltoluene	U		0.0109	0.0536	50	10/01/2017 19:25	WG1024032
2-Butanone (MEK)	U		0.251	0.536	50	10/01/2017 19:25	WG1024032
Methylene Chloride	U		0.0536	0.268	50	10/01/2017 19:25	WG1024032
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.101	0.536	50	10/01/2017 19:25	WG1024032

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0114	0.0536	50	10/01/2017 19:25	WG1024032
Naphthalene	U		0.0536	0.268	50	10/01/2017 19:25	WG1024032
n-Propylbenzene	U		0.0110	0.0536	50	10/01/2017 19:25	WG1024032
Styrene	U		0.0125	0.0536	50	10/01/2017 19:25	WG1024032
1,1,1,2-Tetrachloroethane	U		0.0142	0.0536	50	10/01/2017 19:25	WG1024032
1,1,2,2-Tetrachloroethane	U		0.0195	0.0536	50	10/01/2017 19:25	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.0195	0.0536	50	10/01/2017 19:25	WG1024032
Tetrachloroethene	4.09		0.0148	0.0536	50	10/01/2017 19:25	WG1024032
Toluene	U		0.0233	0.268	50	10/01/2017 19:25	WG1024032
1,2,3-Trichlorobenzene	U		0.0164	0.0536	50	10/01/2017 19:25	WG1024032
1,2,4-Trichlorobenzene	U		0.0208	0.0536	50	10/01/2017 19:25	WG1024032
1,1,1-Trichloroethane	U		0.0153	0.0536	50	10/01/2017 19:25	WG1024032
1,1,2-Trichloroethane	U		0.0148	0.0536	50	10/01/2017 19:25	WG1024032
Trichloroethene	1.40	J	0.0150	0.0536	50	10/01/2017 19:25	WG1024032
Trichlorofluoromethane	U		0.0205	0.268	50	10/01/2017 19:25	WG1024032
1,2,3-Trichloropropane	U		0.0397	0.134	50	10/01/2017 19:25	WG1024032
1,2,4-Trimethylbenzene	U		0.0114	0.0536	50	10/01/2017 19:25	WG1024032
1,2,3-Trimethylbenzene	U		0.0154	0.0536	50	10/01/2017 19:25	WG1024032
1,3,5-Trimethylbenzene	U		0.0143	0.0536	50	10/01/2017 19:25	WG1024032
Vinyl acetate	U		0.129	0.536	50	10/01/2017 19:25	WG1024032
Vinyl chloride	U		0.0157	0.0536	50	10/01/2017 19:25	WG1024032
Xylenes, Total	U		0.0374	0.161	50	10/01/2017 19:25	WG1024032
(S) Toluene-d8	*111*			*80.0-120*		*10/01/2017 19:25*	WG1024032
(S) Dibromofluoromethane	*96.9*			*74.0-131*		*10/01/2017 19:25*	WG1024032
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 19:25*	WG1024032

Sample Narrative:

L938636-15 WG1024032: Target compound too high to run at a lower dilution.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	09/26/2017 08:27	WG1024282

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0106	0.0530	1	09/24/2017 08:27	WG1024032
Acrylonitrile	U		0.00190	0.0106	1	09/24/2017 08:27	WG1024032
Benzene	U		0.000286	0.00106	1	09/24/2017 08:27	WG1024032
Bromobenzene	U		0.000301	0.00106	1	09/24/2017 08:27	WG1024032
Bromodichloromethane	U		0.000269	0.00106	1	09/24/2017 08:27	WG1024032
Bromochloromethane	U		0.000414	0.00530	1	09/24/2017 08:27	WG1024032
Bromoform	U		0.000450	0.00106	1	09/24/2017 08:27	WG1024032
Bromomethane	U		0.00142	0.00530	1	09/24/2017 08:27	WG1024032
n-Butylbenzene	U		0.000274	0.00106	1	09/24/2017 08:27	WG1024032
sec-Butylbenzene	U		0.000213	0.00106	1	09/24/2017 08:27	WG1024032
tert-Butylbenzene	U		0.000218	0.00106	1	09/24/2017 08:27	WG1024032
Carbon disulfide	0.00171		0.000234	0.00106	1	09/24/2017 08:27	WG1024032
Carbon tetrachloride	U		0.000348	0.00106	1	09/24/2017 08:27	WG1024032
Chlorobenzene	U		0.000225	0.00106	1	09/24/2017 08:27	WG1024032
Chlorodibromomethane	U		0.000396	0.00106	1	09/24/2017 08:27	WG1024032
Chloroethane	U		0.00100	0.00530	1	09/24/2017 08:27	WG1024032
Chloroform	U		0.000243	0.00530	1	09/24/2017 08:27	WG1024032
Chloromethane	U		0.000398	0.00265	1	09/24/2017 08:27	WG1024032
2-Chlorotoluene	U		0.000319	0.00106	1	09/24/2017 08:27	WG1024032
4-Chlorotoluene	U		0.000255	0.00106	1	09/24/2017 08:27	WG1024032
1,2-Dibromo-3-Chloropropane	U		0.00111	0.00530	1	09/24/2017 08:27	WG1024032
1,2-Dibromoethane	U		0.000364	0.00106	1	09/24/2017 08:27	WG1024032
Dibromomethane	U		0.000405	0.00106	1	09/24/2017 08:27	WG1024032
1,2-Dichlorobenzene	U		0.000323	0.00106	1	09/24/2017 08:27	WG1024032
1,3-Dichlorobenzene	U		0.000253	0.00106	1	09/24/2017 08:27	WG1024032
1,4-Dichlorobenzene	U		0.000240	0.00106	1	09/24/2017 08:27	WG1024032
Dichlorodifluoromethane	U		0.000756	0.00530	1	09/24/2017 08:27	WG1024032
1,1-Dichloroethane	U		0.000211	0.00106	1	09/24/2017 08:27	WG1024032
1,2-Dichloroethane	U		0.000281	0.00106	1	09/24/2017 08:27	WG1024032
1,1-Dichloroethene	0.000787 J	J	0.000321	0.00106	1	09/24/2017 08:27	WG1024032
cis-1,2-Dichloroethene	0.160 J		0.000249	0.00106	1	09/24/2017 08:27	WG1024032
trans-1,2-Dichloroethene	0.00183		0.000280	0.00106	1	09/24/2017 08:27	WG1024032
1,2-Dichloropropane	U		0.000380	0.00106	1	09/24/2017 08:27	WG1024032
1,1-Dichloropropene	U		0.000336	0.00106	1	09/24/2017 08:27	WG1024032
1,3-Dichloropropane	U		0.000220	0.00106	1	09/24/2017 08:27	WG1024032
cis-1,3-Dichloropropene	U	J4	0.000278	0.00106	1	09/24/2017 08:27	WG1024032
trans-1,3-Dichloropropene	U		0.000283	0.00106	1	09/24/2017 08:27	WG1024032
trans-1,4-Dichloro-2-butene	U		0.000825	0.00265	1	09/24/2017 08:27	WG1024032
2,2-Dichloropropane	U UJ	J0	0.000296	0.00106	1	09/24/2017 08:27	WG1024032
Di-isopropyl ether	U		0.000263	0.00106	1	09/24/2017 08:27	WG1024032
Ethylbenzene	U		0.000315	0.00106	1	09/24/2017 08:27	WG1024032
Hexachloro-1,3-butadiene	U		0.000363	0.00106	1	09/24/2017 08:27	WG1024032
2-Hexanone	U		0.00145	0.0106	1	09/24/2017 08:27	WG1024032
n-Hexane	0.000393 J	J	0.000308	0.0106	1	09/24/2017 08:27	WG1024032
Iodomethane	U		0.00268	0.0106	1	09/24/2017 08:27	WG1024032
Isopropylbenzene	U		0.000258	0.00106	1	09/24/2017 08:27	WG1024032
p-Isopropyltoluene	U		0.000216	0.00106	1	09/24/2017 08:27	WG1024032
2-Butanone (MEK)	U		0.00496	0.0106	1	09/24/2017 08:27	WG1024032
Methylene Chloride	U		0.00106	0.00530	1	09/24/2017 08:27	WG1024032
4-Methyl-2-pentanone (MIBK)	U		0.00199	0.0106	1	09/24/2017 08:27	WG1024032

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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		0.000225	0.00106	1	09/24/2017 08:27	WG1024032
Naphthalene	U		0.00106	0.00530	1	09/24/2017 08:27	WG1024032
n-Propylbenzene	U		0.000218	0.00106	1	09/24/2017 08:27	WG1024032
Styrene	U		0.000248	0.00106	1	09/24/2017 08:27	WG1024032
1,1,1,2-Tetrachloroethane	U		0.000280	0.00106	1	09/24/2017 08:27	WG1024032
1,1,2,2-Tetrachloroethane	U		0.000387	0.00106	1	09/24/2017 08:27	WG1024032
1,1,2-Trichlorotrifluoroethane	U		0.000387	0.00106	1	09/24/2017 08:27	WG1024032
Tetrachloroethene	4.34		0.00732	0.0265	25	10/01/2017 19:44	WG1024032
Toluene	U		0.000460	0.00530	1	09/24/2017 08:27	WG1024032
1,2,3-Trichlorobenzene	U		0.000325	0.00106	1	09/24/2017 08:27	WG1024032
1,2,4-Trichlorobenzene	U		0.000411	0.00106	1	09/24/2017 08:27	WG1024032
1,1,1-Trichloroethane	U		0.000303	0.00106	1	09/24/2017 08:27	WG1024032
1,1,2-Trichloroethane	U		0.000294	0.00106	1	09/24/2017 08:27	WG1024032
Trichloroethene	0.172	J	0.000296	0.00106	1	09/24/2017 08:27	WG1024032
Trichlorofluoromethane	U		0.000405	0.00530	1	09/24/2017 08:27	WG1024032
1,2,3-Trichloropropane	U		0.000786	0.00265	1	09/24/2017 08:27	WG1024032
1,2,4-Trimethylbenzene	U		0.000224	0.00106	1	09/24/2017 08:27	WG1024032
1,2,3-Trimethylbenzene	U		0.000304	0.00106	1	09/24/2017 08:27	WG1024032
1,3,5-Trimethylbenzene	U		0.000282	0.00106	1	09/24/2017 08:27	WG1024032
Vinyl acetate	U		0.00253	0.0106	1	09/24/2017 08:27	WG1024032
Vinyl chloride	U		0.000309	0.00106	1	09/24/2017 08:27	WG1024032
Xylenes, Total	U		0.000740	0.00318	1	09/24/2017 08:27	WG1024032
(S) Toluene-d8	*97.1*			*80.0-120*		*10/01/2017 19:44*	WG1024032
(S) Toluene-d8	*106*			*80.0-120*		*09/24/2017 08:27*	WG1024032
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*10/01/2017 19:44*	WG1024032
(S) Dibromofluoromethane	*110*			*74.0-131*		*09/24/2017 08:27*	WG1024032
(S) 4-Bromofluorobenzene	*112*			*64.0-132*		*09/24/2017 08:27*	WG1024032
(S) 4-Bromofluorobenzene	*102*			*64.0-132*		*10/01/2017 19:44*	WG1024032

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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	09/27/2017 01:35	WG1024893
Acrylonitrile	U		0.873	5.00	1	09/27/2017 01:35	WG1024893
Benzene	U		0.0896	0.500	1	09/27/2017 01:35	WG1024893
Bromobenzene	U		0.133	0.500	1	09/27/2017 01:35	WG1024893
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 01:35	WG1024893
Bromochloromethane	U		0.145	0.500	1	09/27/2017 01:35	WG1024893
Bromoform	U		0.186	0.500	1	09/27/2017 01:35	WG1024893
Bromomethane	U		0.157	2.50	1	09/27/2017 01:35	WG1024893
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 01:35	WG1024893
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 01:35	WG1024893
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 01:35	WG1024893
Carbon disulfide	U		0.101	0.500	1	09/27/2017 01:35	WG1024893
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 01:35	WG1024893
Chlorobenzene	U		0.140	0.500	1	09/27/2017 01:35	WG1024893
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 01:35	WG1024893
Chloroethane	U		0.141	2.50	1	09/27/2017 01:35	WG1024893
Chloroform	U		0.0860	0.500	1	09/27/2017 01:35	WG1024893
Chloromethane	U		0.153	1.25	1	09/27/2017 01:35	WG1024893
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 01:35	WG1024893
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 01:35	WG1024893
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 01:35	WG1024893
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 01:35	WG1024893
Dibromomethane	U		0.117	0.500	1	09/27/2017 01:35	WG1024893
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 01:35	WG1024893
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 01:35	WG1024893
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 01:35	WG1024893
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 01:35	WG1024893
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 01:35	WG1024893
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 01:35	WG1024893
1,1-Dichloroethene	U		0.188	0.500	1	09/27/2017 01:35	WG1024893
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/27/2017 01:35	WG1024893
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 01:35	WG1024893
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 01:35	WG1024893
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 01:35	WG1024893
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 01:35	WG1024893
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 01:35	WG1024893
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 01:35	WG1024893
trans-1,4-Dichloro-2-butene	U		0.257	5.00	1	09/27/2017 01:35	WG1024893
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 01:35	WG1024893
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 01:35	WG1024893
Ethylbenzene	U		0.158	0.500	1	09/27/2017 01:35	WG1024893
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/02/2017 20:51	WG1024893
2-Hexanone	U		0.757	5.00	1	09/27/2017 01:35	WG1024893
n-Hexane	U		0.305	5.00	1	09/27/2017 01:35	WG1024893
Iodomethane	U		0.377	10.0	1	09/27/2017 01:35	WG1024893
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 01:35	WG1024893
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 01:35	WG1024893
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 01:35	WG1024893
Methylene Chloride	U		1.07	2.50	1	09/27/2017 01:35	WG1024893
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 01:35	WG1024893
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 01:35	WG1024893
Naphthalene	U		0.174	2.50	1	09/27/2017 01:35	WG1024893
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 01:35	WG1024893
Styrene	U		0.117	0.500	1	09/27/2017 01:35	WG1024893
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 01:35	WG1024893
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 01:35	WG1024893

JC 10/17/17

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/27/2017 01:35	WG1024893
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 01:35	WG1024893
Toluene	U		0.412	0.500	1	09/27/2017 01:35	WG1024893
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 01:35	WG1024893
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 01:35	WG1024893
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 01:35	WG1024893
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 01:35	WG1024893
Trichloroethene	U		0.153	0.500	1	09/27/2017 01:35	WG1024893
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 01:35	WG1024893
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 01:35	WG1024893
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 01:35	WG1024893
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 01:35	WG1024893
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 01:35	WG1024893
Vinyl acetate	U		0.645	5.00	1	09/27/2017 01:35	WG1024893
Vinyl chloride	U		0.118	0.500	1	09/27/2017 01:35	WG1024893
Xylenes, Total	U		0.316	1.50	1	09/27/2017 01:35	WG1024893
(S) Toluene-d8	*105*			*80.0-120*		*10/02/2017 20:51*	WG1024893
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 01:35*	WG1024893
(S) Dibromofluoromethane	*90.8*			*76.0-123*		*10/02/2017 20:51*	WG1024893
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/27/2017 01:35*	WG1024893
(S) 4-Bromofluorobenzene	*90.6*			*80.0-120*		*09/27/2017 01:35*	WG1024893
(S) 4-Bromofluorobenzene	*99.2*			*80.0-120*		*10/02/2017 20:51*	WG1024893

JC 10/17/17

Bill Haldeman

From: J Compeau <Informa_LLC@comcast.net>
Sent: Wednesday, October 18, 2017 8:26 AM
To: Bill Haldeman
Subject: FW: American Linen L938636

Communication record for your files.

Jessie Compeau

From: Brian Ford [mailto:BFord@esclabsciences.com]
Sent: Wednesday, October 18, 2017 7:48 AM
To: 'J Compeau'
Subject: RE: American Linen L938636

Jessie,

These samples had very large hits for PCE and daughter compounds which prevented analysis at a lower dilution. These samples were never analyzed from the low level vial or at a lower dilution. Let me know if you need any additional info.

Thanks,

Brian Ford
Technical Service Representative

ESC Lab Sciences-a subsidiary of Pace Analytical
12065 Lebanon Road | Mt. Juliet, TN 37122
615.773.9772 | Cell 931.510.2229
bford@esclabsciences.com | www.esclabsciences.com

From: J Compeau [mailto:Informa_LLC@comcast.net]
Sent: Tuesday, October 17, 2017 5:31 PM
To: Brian Ford
Subject: American Linen L938636

Hi Brian,
Thanks for your last response. I am working on the final two SDGs and have a question on L938636 :

VOC results for soil samples B-221-37 (including field duplicate B-915-80), B-221-16, B-221-22, B-221-33, B-221-45, B-221-50, B-221-60, and B-222-50 are footnoted by ESC to indicate that target compound(s) are too high to run the sample at a lower dilution. No action is taken other than to note this.

- It appears that one sample, sample B-221-16 (L938636-02), does not appear to have elevated targets. Hard to say from this. Did matrix interference result in the dilution?

- For most if not all of the above mentioned samples did the laboratory run out of bisulfate preserved vials to analyze these at a LL?

Thanks

Jessie Compeau

ANALYTICAL REPORT

October 03, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L938873
Samples Received:	09/23/2017
Project Number:	1413.001.02.602
Description:	American Linen Project

Report To: 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.

B-223-16 L938873-01 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 15:45 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1025104	1	09/27/17 15:23	09/27/17 15:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024797	200	09/21/17 15:45	09/26/17 20:28	DWR

B-223-22 L938873-02 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 16:00 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1025104	1	09/27/17 15:23	09/27/17 15:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024797	1000	09/21/17 16:00	10/02/17 19:03	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024797	200	09/21/17 16:00	09/26/17 20:54	DWR

B-223-30 L938873-03 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 16:25 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1025104	1	09/27/17 15:23	09/27/17 15:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024797	100000	09/21/17 16:25	10/03/17 15:13	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024797	25000	09/21/17 16:25	10/02/17 19:29	BMB

B-223-39 L938873-04 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 16:40 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1025104	1	09/27/17 15:23	09/27/17 15:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024909	1	09/21/17 16:40	09/27/17 01:27	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024909	100	09/21/17 16:40	09/28/17 20:38	ACG

B-223-47 L938873-05 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 17:10 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1025104	1	09/27/17 15:23	09/27/17 15:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024909	1	09/21/17 17:10	09/27/17 01:47	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024909	25	09/21/17 17:10	09/28/17 20:58	ACG

B-917-57 L938873-06 Solid

Collected by: Shannon McKernan | Collected date/time: 09/21/17 17:30 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1025104	1	09/27/17 15:23	09/27/17 15:46	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024909	1	09/21/17 17:30	09/27/17 02:06	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1024909	25	09/21/17 17:30	09/28/17 21:18	ACG

MW-140-092217 L938873-07 GW

Collected by: Shannon McKernan | Collected date/time: 09/22/17 10:50 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025164	1	09/27/17 19:51	09/27/17 19:51	BMB

MW-134-092217 L938873-08 GW

Collected by: Shannon McKernan | Collected date/time: 09/22/17 08:50 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025164	5	09/27/17 20:13	09/27/17 20:13	BMB

MW-141-092217 L938873-09 GW

Collected by: Shannon McKernan | Collected date/time: 09/22/17 12:30 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025164	1	09/27/17 20:35	09/27/17 20:35	BMB

B-917-100-W L938873-10 GW

Collected by: Shannon McKernan | Collected date/time: 09/22/17 09:00 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025164	1	09/27/17 20:57	09/27/17 20:57	BMB

TRIP BLANK-092217 L938873-11 GW

Collected by: Shannon McKernan | Collected date/time: 09/21/17 00:00 | Received date/time: 09/23/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025164	1	09/27/17 12:53	09/27/17 12:53	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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	84.6		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		2.36	11.8	200	09/26/2017 20:28	WG1024797
Acrylonitrile	U		0.423	2.36	200	09/26/2017 20:28	WG1024797
Benzene	U		0.0638	0.236	200	09/26/2017 20:28	WG1024797
Bromobenzene	U		0.0671	0.236	200	09/26/2017 20:28	WG1024797
Bromodichloromethane	U		0.0600	0.236	200	09/26/2017 20:28	WG1024797
Bromochloromethane	U		0.0922	1.18	200	09/26/2017 20:28	WG1024797
Bromoform	U		0.100	0.236	200	09/26/2017 20:28	WG1024797
Bromomethane	U	J0	0.317	1.18	200	09/26/2017 20:28	WG1024797
n-Butylbenzene	U		0.0610	0.236	200	09/26/2017 20:28	WG1024797
sec-Butylbenzene	U		0.0475	0.236	200	09/26/2017 20:28	WG1024797
tert-Butylbenzene	U		0.0487	0.236	200	09/26/2017 20:28	WG1024797
Carbon disulfide	U		0.0522	0.236	200	09/26/2017 20:28	WG1024797
Carbon tetrachloride	U		0.0775	0.236	200	09/26/2017 20:28	WG1024797
Chlorobenzene	U		0.0501	0.236	200	09/26/2017 20:28	WG1024797
Chlorodibromomethane	U		0.0881	0.236	200	09/26/2017 20:28	WG1024797
Chloroethane	U		0.223	1.18	200	09/26/2017 20:28	WG1024797
Chloroform	U		0.0541	1.18	200	09/26/2017 20:28	WG1024797
Chloromethane	U		0.0886	0.591	200	09/26/2017 20:28	WG1024797
2-Chlorotoluene	U		0.0711	0.236	200	09/26/2017 20:28	WG1024797
4-Chlorotoluene	U		0.0567	0.236	200	09/26/2017 20:28	WG1024797
1,2-Dibromo-3-Chloropropane	U		0.248	1.18	200	09/26/2017 20:28	WG1024797
1,2-Dibromoethane	U		0.0811	0.236	200	09/26/2017 20:28	WG1024797
Dibromomethane	U		0.0903	0.236	200	09/26/2017 20:28	WG1024797
1,2-Dichlorobenzene	U		0.0721	0.236	200	09/26/2017 20:28	WG1024797
1,3-Dichlorobenzene	U		0.0565	0.236	200	09/26/2017 20:28	WG1024797
1,4-Dichlorobenzene	U		0.0534	0.236	200	09/26/2017 20:28	WG1024797
Dichlorodifluoromethane	U		0.169	1.18	200	09/26/2017 20:28	WG1024797
1,1-Dichloroethane	U		0.0470	0.236	200	09/26/2017 20:28	WG1024797
1,2-Dichloroethane	U		0.0626	0.236	200	09/26/2017 20:28	WG1024797
1,1-Dichloroethene	U		0.0716	0.236	200	09/26/2017 20:28	WG1024797
cis-1,2-Dichloroethene	1.71		0.0555	0.236	200	09/26/2017 20:28	WG1024797
trans-1,2-Dichloroethene	U		0.0624	0.236	200	09/26/2017 20:28	WG1024797
1,2-Dichloropropane	0.203	J	0.0846	0.236	200	09/26/2017 20:28	WG1024797
1,1-Dichloropropene	U		0.0749	0.236	200	09/26/2017 20:28	WG1024797
1,3-Dichloropropane	U		0.0489	0.236	200	09/26/2017 20:28	WG1024797
cis-1,3-Dichloropropene	U		0.0619	0.236	200	09/26/2017 20:28	WG1024797
trans-1,3-Dichloropropene	U		0.0631	0.236	200	09/26/2017 20:28	WG1024797
trans-1,4-Dichloro-2-butene	U		0.184	0.591	200	09/26/2017 20:28	WG1024797
2,2-Dichloropropane	U		0.0659	0.236	200	09/26/2017 20:28	WG1024797
Di-isopropyl ether	U		0.0586	0.236	200	09/26/2017 20:28	WG1024797
Ethylbenzene	U		0.0702	0.236	200	09/26/2017 20:28	WG1024797
Hexachloro-1,3-butadiene	U		0.0808	0.236	200	09/26/2017 20:28	WG1024797
2-Hexanone	U		0.324	2.36	200	09/26/2017 20:28	WG1024797
n-Hexane	U		0.0685	2.36	200	09/26/2017 20:28	WG1024797
Iodomethane	U		0.598	2.36	200	09/26/2017 20:28	WG1024797
Isopropylbenzene	U		0.0574	0.236	200	09/26/2017 20:28	WG1024797
p-Isopropyltoluene	U		0.0482	0.236	200	09/26/2017 20:28	WG1024797
2-Butanone (MEK)	U		1.11	2.36	200	09/26/2017 20:28	WG1024797
Methylene Chloride	U		0.236	1.18	200	09/26/2017 20:28	WG1024797
4-Methyl-2-pentanone (MIBK)	U	J0	0.444	2.36	200	09/26/2017 20:28	WG1024797

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0501	0.236	200	09/26/2017 20:28	WG1024797
Naphthalene	U		0.236	1.18	200	09/26/2017 20:28	WG1024797
n-Propylbenzene	U		0.0487	0.236	200	09/26/2017 20:28	WG1024797
Styrene	U		0.0553	0.236	200	09/26/2017 20:28	WG1024797
1,1,1,2-Tetrachloroethane	U		0.0624	0.236	200	09/26/2017 20:28	WG1024797
1,1,2,2-Tetrachloroethane	U		0.0863	0.236	200	09/26/2017 20:28	WG1024797
1,1,2-Trichlorotrifluoroethane	U		0.0863	0.236	200	09/26/2017 20:28	WG1024797
Tetrachloroethene	27.0		0.0652	0.236	200	09/26/2017 20:28	WG1024797
Toluene	U		0.103	1.18	200	09/26/2017 20:28	WG1024797
1,2,3-Trichlorobenzene	U		0.0723	0.236	200	09/26/2017 20:28	WG1024797
1,2,4-Trichlorobenzene	U		0.0917	0.236	200	09/26/2017 20:28	WG1024797
1,1,1-Trichloroethane	U		0.0676	0.236	200	09/26/2017 20:28	WG1024797
1,1,2-Trichloroethane	U		0.0655	0.236	200	09/26/2017 20:28	WG1024797
Trichloroethene	1.08		0.0659	0.236	200	09/26/2017 20:28	WG1024797
Trichlorofluoromethane	U		0.0903	1.18	200	09/26/2017 20:28	WG1024797
1,2,3-Trichloropropane	U		0.175	0.591	200	09/26/2017 20:28	WG1024797
1,2,4-Trimethylbenzene	U		0.0499	0.236	200	09/26/2017 20:28	WG1024797
1,2,3-Trimethylbenzene	U		0.0678	0.236	200	09/26/2017 20:28	WG1024797
1,3,5-Trimethylbenzene	U		0.0629	0.236	200	09/26/2017 20:28	WG1024797
Vinyl acetate	U		0.565	2.36	200	09/26/2017 20:28	WG1024797
Vinyl chloride	U		0.0688	0.236	200	09/26/2017 20:28	WG1024797
Xylenes, Total	U		0.165	0.709	200	09/26/2017 20:28	WG1024797
(S) Toluene-d8	*102*			*80.0-120*		*09/26/2017 20:28*	WG1024797
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/26/2017 20:28*	WG1024797
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*09/26/2017 20:28*	WG1024797

Sample Narrative:

L938873-01 WG1024797: Target compounds too high to re-analyze at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		2.28	11.4	200	09/26/2017 20:54	WG1024797
Acrylonitrile	U		0.409	2.28	200	09/26/2017 20:54	WG1024797
Benzene	U		0.0617	0.228	200	09/26/2017 20:54	WG1024797
Bromobenzene	U		0.0649	0.228	200	09/26/2017 20:54	WG1024797
Bromodichloromethane	U		0.0580	0.228	200	09/26/2017 20:54	WG1024797
Bromochloromethane	U		0.0891	1.14	200	09/26/2017 20:54	WG1024797
Bromoform	U		0.0968	0.228	200	09/26/2017 20:54	WG1024797
Bromomethane	U	J0	0.306	1.14	200	09/26/2017 20:54	WG1024797
n-Butylbenzene	U		0.0589	0.228	200	09/26/2017 20:54	WG1024797
sec-Butylbenzene	U		0.0459	0.228	200	09/26/2017 20:54	WG1024797
tert-Butylbenzene	U		0.0470	0.228	200	09/26/2017 20:54	WG1024797
Carbon disulfide	U		0.0505	0.228	200	09/26/2017 20:54	WG1024797
Carbon tetrachloride	U		0.0749	0.228	200	09/26/2017 20:54	WG1024797
Chlorobenzene	U		0.0484	0.228	200	09/26/2017 20:54	WG1024797
Chlorodibromomethane	U		0.0852	0.228	200	09/26/2017 20:54	WG1024797
Chloroethane	U		0.216	1.14	200	09/26/2017 20:54	WG1024797
Chloroform	U		0.0523	1.14	200	09/26/2017 20:54	WG1024797
Chloromethane	U		0.0856	0.571	200	09/26/2017 20:54	WG1024797
2-Chlorotoluene	U		0.0687	0.228	200	09/26/2017 20:54	WG1024797
4-Chlorotoluene	U		0.0548	0.228	200	09/26/2017 20:54	WG1024797
1,2-Dibromo-3-Chloropropane	U		0.240	1.14	200	09/26/2017 20:54	WG1024797
1,2-Dibromoethane	U		0.0783	0.228	200	09/26/2017 20:54	WG1024797
Dibromomethane	U		0.0872	0.228	200	09/26/2017 20:54	WG1024797
1,2-Dichlorobenzene	U		0.0697	0.228	200	09/26/2017 20:54	WG1024797
1,3-Dichlorobenzene	U		0.0546	0.228	200	09/26/2017 20:54	WG1024797
1,4-Dichlorobenzene	U		0.0516	0.228	200	09/26/2017 20:54	WG1024797
Dichlorodifluoromethane	U		0.163	1.14	200	09/26/2017 20:54	WG1024797
1,1-Dichloroethane	U		0.0455	0.228	200	09/26/2017 20:54	WG1024797
1,2-Dichloroethane	U		0.0605	0.228	200	09/26/2017 20:54	WG1024797
1,1-Dichloroethene	U		0.0692	0.228	200	09/26/2017 20:54	WG1024797
cis-1,2-Dichloroethene	0.713		0.0537	0.228	200	09/26/2017 20:54	WG1024797
trans-1,2-Dichloroethene	U		0.0603	0.228	200	09/26/2017 20:54	WG1024797
1,2-Dichloropropane	U		0.0818	0.228	200	09/26/2017 20:54	WG1024797
1,1-Dichloropropene	U		0.0724	0.228	200	09/26/2017 20:54	WG1024797
1,3-Dichloropropane	U		0.0473	0.228	200	09/26/2017 20:54	WG1024797
cis-1,3-Dichloropropene	U		0.0598	0.228	200	09/26/2017 20:54	WG1024797
trans-1,3-Dichloropropene	U		0.0610	0.228	200	09/26/2017 20:54	WG1024797
trans-1,4-Dichloro-2-butene	U		0.178	0.571	200	09/26/2017 20:54	WG1024797
2,2-Dichloropropane	U		0.0637	0.228	200	09/26/2017 20:54	WG1024797
Di-isopropyl ether	U		0.0566	0.228	200	09/26/2017 20:54	WG1024797
Ethylbenzene	U		0.0678	0.228	200	09/26/2017 20:54	WG1024797
Hexachloro-1,3-butadiene	U		0.0781	0.228	200	09/26/2017 20:54	WG1024797
2-Hexanone	U		0.313	2.28	200	09/26/2017 20:54	WG1024797
n-Hexane	U		0.0662	2.28	200	09/26/2017 20:54	WG1024797
Iodomethane	U		0.578	2.28	200	09/26/2017 20:54	WG1024797
Isopropylbenzene	U		0.0555	0.228	200	09/26/2017 20:54	WG1024797
p-Isopropyltoluene	U		0.0466	0.228	200	09/26/2017 20:54	WG1024797
2-Butanone (MEK)	U		1.07	2.28	200	09/26/2017 20:54	WG1024797
Methylene Chloride	U		0.228	1.14	200	09/26/2017 20:54	WG1024797
4-Methyl-2-pentanone (MIBK)	U	J0	0.429	2.28	200	09/26/2017 20:54	WG1024797

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		0.0484	0.228	200	09/26/2017 20:54	WG1024797
Naphthalene	U		0.228	1.14	200	09/26/2017 20:54	WG1024797
n-Propylbenzene	U		0.0470	0.228	200	09/26/2017 20:54	WG1024797
Styrene	U		0.0534	0.228	200	09/26/2017 20:54	WG1024797
1,1,1,2-Tetrachloroethane	U		0.0603	0.228	200	09/26/2017 20:54	WG1024797
1,1,2,2-Tetrachloroethane	U		0.0834	0.228	200	09/26/2017 20:54	WG1024797
1,1,2-Trichlorotrifluoroethane	U		0.0834	0.228	200	09/26/2017 20:54	WG1024797
Tetrachloroethene	38.0		0.315	1.14	1000	10/02/2017 19:03	WG1024797
Toluene	U		0.0991	1.14	200	09/26/2017 20:54	WG1024797
1,2,3-Trichlorobenzene	U		0.0699	0.228	200	09/26/2017 20:54	WG1024797
1,2,4-Trichlorobenzene	U		0.0886	0.228	200	09/26/2017 20:54	WG1024797
1,1,1-Trichloroethane	U		0.0653	0.228	200	09/26/2017 20:54	WG1024797
1,1,2-Trichloroethane	U		0.0633	0.228	200	09/26/2017 20:54	WG1024797
Trichloroethene	0.453		0.0637	0.228	200	09/26/2017 20:54	WG1024797
Trichlorofluoromethane	U		0.0872	1.14	200	09/26/2017 20:54	WG1024797
1,2,3-Trichloropropane	U		0.169	0.571	200	09/26/2017 20:54	WG1024797
1,2,4-Trimethylbenzene	U		0.0482	0.228	200	09/26/2017 20:54	WG1024797
1,2,3-Trimethylbenzene	U		0.0655	0.228	200	09/26/2017 20:54	WG1024797
1,3,5-Trimethylbenzene	U		0.0608	0.228	200	09/26/2017 20:54	WG1024797
Vinyl acetate	U		0.546	2.28	200	09/26/2017 20:54	WG1024797
Vinyl chloride	U		0.0665	0.228	200	09/26/2017 20:54	WG1024797
Xylenes, Total	U		0.160	0.685	200	09/26/2017 20:54	WG1024797
(S) Toluene-d8	*102*			*80.0-120*		*10/02/2017 19:03*	WG1024797
(S) Toluene-d8	*103*			*80.0-120*		*09/26/2017 20:54*	WG1024797
(S) Dibromofluoromethane	*110*			*74.0-131*		*10/02/2017 19:03*	WG1024797
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/26/2017 20:54*	WG1024797
(S) 4-Bromofluorobenzene	*98.9*			*64.0-132*		*09/26/2017 20:54*	WG1024797
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*10/02/2017 19:03*	WG1024797

Sample Narrative:

L938873-02 WG1024797: Target compounds too high to re-analyze at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		275	1380	25000	10/02/2017 19:29	WG1024797
Acrylonitrile	U	J0	49.3	275	25000	10/02/2017 19:29	WG1024797
Benzene	U		7.43	27.5	25000	10/02/2017 19:29	WG1024797
Bromobenzene	U		7.82	27.5	25000	10/02/2017 19:29	WG1024797
Bromodichloromethane	U		6.99	27.5	25000	10/02/2017 19:29	WG1024797
Bromochloromethane	U		10.7	138	25000	10/02/2017 19:29	WG1024797
Bromoform	U		11.7	27.5	25000	10/02/2017 19:29	WG1024797
Bromomethane	U		36.9	138	25000	10/02/2017 19:29	WG1024797
n-Butylbenzene	U		7.10	27.5	25000	10/02/2017 19:29	WG1024797
sec-Butylbenzene	U		5.53	27.5	25000	10/02/2017 19:29	WG1024797
tert-Butylbenzene	U		5.67	27.5	25000	10/02/2017 19:29	WG1024797
Carbon disulfide	U		6.08	27.5	25000	10/02/2017 19:29	WG1024797
Carbon tetrachloride	U		9.03	27.5	25000	10/02/2017 19:29	WG1024797
Chlorobenzene	U		5.84	27.5	25000	10/02/2017 19:29	WG1024797
Chlorodibromomethane	U		10.3	27.5	25000	10/02/2017 19:29	WG1024797
Chloroethane	U		26.0	138	25000	10/02/2017 19:29	WG1024797
Chloroform	U		6.30	138	25000	10/02/2017 19:29	WG1024797
Chloromethane	U		10.3	68.8	25000	10/02/2017 19:29	WG1024797
2-Chlorotoluene	U		8.28	27.5	25000	10/02/2017 19:29	WG1024797
4-Chlorotoluene	U		6.61	27.5	25000	10/02/2017 19:29	WG1024797
1,2-Dibromo-3-Chloropropane	U	J0	28.8	138	25000	10/02/2017 19:29	WG1024797
1,2-Dibromoethane	U		9.45	27.5	25000	10/02/2017 19:29	WG1024797
Dibromomethane	U		10.5	27.5	25000	10/02/2017 19:29	WG1024797
1,2-Dichlorobenzene	U		8.39	27.5	25000	10/02/2017 19:29	WG1024797
1,3-Dichlorobenzene	U		6.58	27.5	25000	10/02/2017 19:29	WG1024797
1,4-Dichlorobenzene	U		6.22	27.5	25000	10/02/2017 19:29	WG1024797
Dichlorodifluoromethane	U		19.6	138	25000	10/02/2017 19:29	WG1024797
1,1-Dichloroethane	U		5.48	27.5	25000	10/02/2017 19:29	WG1024797
1,2-Dichloroethane	U		7.29	27.5	25000	10/02/2017 19:29	WG1024797
1,1-Dichloroethene	U		8.35	27.5	25000	10/02/2017 19:29	WG1024797
cis-1,2-Dichloroethene	U		6.47	27.5	25000	10/02/2017 19:29	WG1024797
trans-1,2-Dichloroethene	U		7.27	27.5	25000	10/02/2017 19:29	WG1024797
1,2-Dichloropropane	U		9.85	27.5	25000	10/02/2017 19:29	WG1024797
1,1-Dichloropropene	U		8.72	27.5	25000	10/02/2017 19:29	WG1024797
1,3-Dichloropropane	U		5.70	27.5	25000	10/02/2017 19:29	WG1024797
cis-1,3-Dichloropropene	U		7.21	27.5	25000	10/02/2017 19:29	WG1024797
trans-1,3-Dichloropropene	U		7.35	27.5	25000	10/02/2017 19:29	WG1024797
trans-1,4-Dichloro-2-butene	U		21.4	68.8	25000	10/02/2017 19:29	WG1024797
2,2-Dichloropropane	U		7.68	27.5	25000	10/02/2017 19:29	WG1024797
Di-isopropyl ether	U		6.83	27.5	25000	10/02/2017 19:29	WG1024797
Ethylbenzene	U		8.17	27.5	25000	10/02/2017 19:29	WG1024797
Hexachloro-1,3-butadiene	U		9.41	27.5	25000	10/02/2017 19:29	WG1024797
2-Hexanone	U		37.7	275	25000	10/02/2017 19:29	WG1024797
n-Hexane	U		7.98	275	25000	10/02/2017 19:29	WG1024797
Iodomethane	U		69.6	275	25000	10/02/2017 19:29	WG1024797
Isopropylbenzene	U		6.69	27.5	25000	10/02/2017 19:29	WG1024797
p-Isopropyltoluene	U		5.61	27.5	25000	10/02/2017 19:29	WG1024797
2-Butanone (MEK)	U		129	275	25000	10/02/2017 19:29	WG1024797
Methylene Chloride	U		27.5	138	25000	10/02/2017 19:29	WG1024797
4-Methyl-2-pentanone (MIBK)	U	J0	51.7	275	25000	10/02/2017 19:29	WG1024797

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		5.84	27.5	25000	10/02/2017 19:29	WG1024797
Naphthalene	U		27.5	138	25000	10/02/2017 19:29	WG1024797
n-Propylbenzene	U		5.67	27.5	25000	10/02/2017 19:29	WG1024797
Styrene	U		6.44	27.5	25000	10/02/2017 19:29	WG1024797
1,1,1,2-Tetrachloroethane	U		7.27	27.5	25000	10/02/2017 19:29	WG1024797
1,1,2,2-Tetrachloroethane	U		10.0	27.5	25000	10/02/2017 19:29	WG1024797
1,1,2-Trichlorotrifluoroethane	U		10.0	27.5	25000	10/02/2017 19:29	WG1024797
Tetrachloroethene	5560		30.4	110	100000	10/03/2017 15:13	WG1024797
Toluene	U		11.9	138	25000	10/02/2017 19:29	WG1024797
1,2,3-Trichlorobenzene	U		8.42	27.5	25000	10/02/2017 19:29	WG1024797
1,2,4-Trichlorobenzene	U		10.7	27.5	25000	10/02/2017 19:29	WG1024797
1,1,1-Trichloroethane	U		7.87	27.5	25000	10/02/2017 19:29	WG1024797
1,1,2-Trichloroethane	U		7.62	27.5	25000	10/02/2017 19:29	WG1024797
Trichloroethene	U		7.68	27.5	25000	10/02/2017 19:29	WG1024797
Trichlorofluoromethane	U		10.5	138	25000	10/02/2017 19:29	WG1024797
1,2,3-Trichloropropane	U		20.4	68.8	25000	10/02/2017 19:29	WG1024797
1,2,4-Trimethylbenzene	U		5.81	27.5	25000	10/02/2017 19:29	WG1024797
1,2,3-Trimethylbenzene	U		7.90	27.5	25000	10/02/2017 19:29	WG1024797
1,3,5-Trimethylbenzene	U		7.32	27.5	25000	10/02/2017 19:29	WG1024797
Vinyl acetate	U		65.8	275	25000	10/02/2017 19:29	WG1024797
Vinyl chloride	U		8.01	27.5	25000	10/02/2017 19:29	WG1024797
Xylenes, Total	U		19.2	82.6	25000	10/02/2017 19:29	WG1024797
(S) Toluene-d8	*103*			*80.0-120*		*10/03/2017 15:13*	WG1024797
(S) Toluene-d8	*102*			*80.0-120*		*10/02/2017 19:29*	WG1024797
(S) Dibromofluoromethane	*91.8*			*74.0-131*		*10/03/2017 15:13*	WG1024797
(S) Dibromofluoromethane	*111*			*74.0-131*		*10/02/2017 19:29*	WG1024797
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*10/02/2017 19:29*	WG1024797
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*10/03/2017 15:13*	WG1024797

Sample Narrative:

L938873-03 WG1024797: Target compounds too high to re-analyze at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	09/27/2017 15:46	WG1025104

Volatile Organic Compounds (GC/MS) 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	09/27/2017 01:27	WG1024909
Acrylonitrile	U		0.00204	0.0114	1	09/27/2017 01:27	WG1024909
Benzene	U		0.000308	0.00114	1	09/27/2017 01:27	WG1024909
Bromobenzene	U		0.000323	0.00114	1	09/27/2017 01:27	WG1024909
Bromodichloromethane	U		0.000289	0.00114	1	09/27/2017 01:27	WG1024909
Bromochloromethane	U		0.000444	0.00569	1	09/27/2017 01:27	WG1024909
Bromoform	U		0.000483	0.00114	1	09/27/2017 01:27	WG1024909
Bromomethane	U		0.00153	0.00569	1	09/27/2017 01:27	WG1024909
n-Butylbenzene	U		0.000294	0.00114	1	09/27/2017 01:27	WG1024909
sec-Butylbenzene	U		0.000229	0.00114	1	09/27/2017 01:27	WG1024909
tert-Butylbenzene	U		0.000235	0.00114	1	09/27/2017 01:27	WG1024909
Carbon disulfide	U		0.000252	0.00114	1	09/27/2017 01:27	WG1024909
Carbon tetrachloride	U		0.000374	0.00114	1	09/27/2017 01:27	WG1024909
Chlorobenzene	U		0.000241	0.00114	1	09/27/2017 01:27	WG1024909
Chlorodibromomethane	U		0.000425	0.00114	1	09/27/2017 01:27	WG1024909
Chloroethane	0.00151	J	0.00108	0.00569	1	09/27/2017 01:27	WG1024909
Chloroform	U		0.000261	0.00569	1	09/27/2017 01:27	WG1024909
Chloromethane	U		0.000427	0.00285	1	09/27/2017 01:27	WG1024909
2-Chlorotoluene	U		0.000343	0.00114	1	09/27/2017 01:27	WG1024909
4-Chlorotoluene	U		0.000273	0.00114	1	09/27/2017 01:27	WG1024909
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00569	1	09/27/2017 01:27	WG1024909
1,2-Dibromoethane	U		0.000391	0.00114	1	09/27/2017 01:27	WG1024909
Dibromomethane	U		0.000435	0.00114	1	09/27/2017 01:27	WG1024909
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/27/2017 01:27	WG1024909
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/27/2017 01:27	WG1024909
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/27/2017 01:27	WG1024909
Dichlorodifluoromethane	U		0.000812	0.00569	1	09/27/2017 01:27	WG1024909
1,1-Dichloroethane	U		0.000227	0.00114	1	09/27/2017 01:27	WG1024909
1,2-Dichloroethane	U		0.000302	0.00114	1	09/27/2017 01:27	WG1024909
1,1-Dichloroethene	U		0.000345	0.00114	1	09/27/2017 01:27	WG1024909
cis-1,2-Dichloroethene	0.0914		0.000268	0.00114	1	09/27/2017 01:27	WG1024909
trans-1,2-Dichloroethene	0.000883	J	0.000301	0.00114	1	09/27/2017 01:27	WG1024909
1,2-Dichloropropane	U		0.000408	0.00114	1	09/27/2017 01:27	WG1024909
1,1-Dichloropropene	U		0.000361	0.00114	1	09/27/2017 01:27	WG1024909
1,3-Dichloropropane	U		0.000236	0.00114	1	09/27/2017 01:27	WG1024909
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/27/2017 01:27	WG1024909
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/27/2017 01:27	WG1024909
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	09/27/2017 01:27	WG1024909
2,2-Dichloropropane	U		0.000318	0.00114	1	09/27/2017 01:27	WG1024909
Di-isopropyl ether	U		0.000282	0.00114	1	09/27/2017 01:27	WG1024909
Ethylbenzene	U		0.000338	0.00114	1	09/27/2017 01:27	WG1024909
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/27/2017 01:27	WG1024909
2-Hexanone	U		0.00156	0.0114	1	09/27/2017 01:27	WG1024909
n-Hexane	U		0.000330	0.0114	1	09/27/2017 01:27	WG1024909
Iodomethane	U		0.00288	0.0114	1	09/27/2017 01:27	WG1024909
Isopropylbenzene	U		0.000277	0.00114	1	09/27/2017 01:27	WG1024909
p-Isopropyltoluene	U		0.000232	0.00114	1	09/27/2017 01:27	WG1024909
2-Butanone (MEK)	U		0.00533	0.0114	1	09/27/2017 01:27	WG1024909
Methylene Chloride	U		0.00114	0.00569	1	09/27/2017 01:27	WG1024909
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/27/2017 01:27	WG1024909

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

Analyte	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	09/27/2017 01:27	WG1024909
Naphthalene	U		0.00114	0.00569	1	09/27/2017 01:27	WG1024909
n-Propylbenzene	U		0.000235	0.00114	1	09/27/2017 01:27	WG1024909
Styrene	U		0.000267	0.00114	1	09/27/2017 01:27	WG1024909
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/27/2017 01:27	WG1024909
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/27/2017 01:27	WG1024909
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/27/2017 01:27	WG1024909
Tetrachloroethene	4.68		0.0314	0.114	100	09/28/2017 20:38	WG1024909
Toluene	U		0.000494	0.00569	1	09/27/2017 01:27	WG1024909
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/27/2017 01:27	WG1024909
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	09/27/2017 01:27	WG1024909
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/27/2017 01:27	WG1024909
1,1,2-Trichloroethane	U		0.000315	0.00114	1	09/27/2017 01:27	WG1024909
Trichloroethene	0.0228		0.000318	0.00114	1	09/27/2017 01:27	WG1024909
Trichlorofluoromethane	U		0.000435	0.00569	1	09/27/2017 01:27	WG1024909
1,2,3-Trichloropropane	U		0.000844	0.00285	1	09/27/2017 01:27	WG1024909
1,2,4-Trimethylbenzene	U		0.0240	0.114	100	09/28/2017 20:38	WG1024909
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/27/2017 01:27	WG1024909
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/27/2017 01:27	WG1024909
Vinyl acetate	U		0.00272	0.0114	1	09/27/2017 01:27	WG1024909
Vinyl chloride	0.00775		0.000331	0.00114	1	09/27/2017 01:27	WG1024909
Xylenes, Total	U		0.000795	0.00342	1	09/27/2017 01:27	WG1024909
(S) Toluene-d8	*107*			*80.0-120*		*09/28/2017 20:38*	WG1024909
(S) Toluene-d8	*110*			*80.0-120*		*09/27/2017 01:27*	WG1024909
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*09/28/2017 20:38*	WG1024909
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/27/2017 01:27*	WG1024909
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*09/27/2017 01:27*	WG1024909
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/28/2017 20:38*	WG1024909

Sample Narrative:

L938873-04 WG1024909: Target compounds too high to re-analyze at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.1		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0138	J	0.0116	0.0581	1	09/27/2017 01:47	WG1024909
Acrylonitrile	U		0.00208	0.0116	1	09/27/2017 01:47	WG1024909
Benzene	U		0.000314	0.00116	1	09/27/2017 01:47	WG1024909
Bromobenzene	U		0.000330	0.00116	1	09/27/2017 01:47	WG1024909
Bromodichloromethane	U		0.000295	0.00116	1	09/27/2017 01:47	WG1024909
Bromochloromethane	U		0.000453	0.00581	1	09/27/2017 01:47	WG1024909
Bromoform	U		0.000492	0.00116	1	09/27/2017 01:47	WG1024909
Bromomethane	U		0.00156	0.00581	1	09/27/2017 01:47	WG1024909
n-Butylbenzene	U		0.000300	0.00116	1	09/27/2017 01:47	WG1024909
sec-Butylbenzene	U		0.000233	0.00116	1	09/27/2017 01:47	WG1024909
tert-Butylbenzene	U		0.000239	0.00116	1	09/27/2017 01:47	WG1024909
Carbon disulfide	0.00113	J	0.000257	0.00116	1	09/27/2017 01:47	WG1024909
Carbon tetrachloride	U		0.000381	0.00116	1	09/27/2017 01:47	WG1024909
Chlorobenzene	U		0.000246	0.00116	1	09/27/2017 01:47	WG1024909
Chlorodibromomethane	U		0.000433	0.00116	1	09/27/2017 01:47	WG1024909
Chloroethane	U		0.00110	0.00581	1	09/27/2017 01:47	WG1024909
Chloroform	U		0.000266	0.00581	1	09/27/2017 01:47	WG1024909
Chloromethane	U		0.000435	0.00290	1	09/27/2017 01:47	WG1024909
2-Chlorotoluene	U		0.000349	0.00116	1	09/27/2017 01:47	WG1024909
4-Chlorotoluene	U		0.000279	0.00116	1	09/27/2017 01:47	WG1024909
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	09/27/2017 01:47	WG1024909
1,2-Dibromoethane	U		0.000398	0.00116	1	09/27/2017 01:47	WG1024909
Dibromomethane	U		0.000444	0.00116	1	09/27/2017 01:47	WG1024909
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/27/2017 01:47	WG1024909
1,3-Dichlorobenzene	U		0.000278	0.00116	1	09/27/2017 01:47	WG1024909
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/27/2017 01:47	WG1024909
Dichlorodifluoromethane	U		0.000828	0.00581	1	09/27/2017 01:47	WG1024909
1,1-Dichloroethane	U		0.000231	0.00116	1	09/27/2017 01:47	WG1024909
1,2-Dichloroethane	U		0.000308	0.00116	1	09/27/2017 01:47	WG1024909
1,1-Dichloroethene	U		0.000352	0.00116	1	09/27/2017 01:47	WG1024909
cis-1,2-Dichloroethene	0.00208		0.000273	0.00116	1	09/27/2017 01:47	WG1024909
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	09/27/2017 01:47	WG1024909
1,2-Dichloropropane	U		0.000416	0.00116	1	09/27/2017 01:47	WG1024909
1,1-Dichloropropene	U		0.000368	0.00116	1	09/27/2017 01:47	WG1024909
1,3-Dichloropropane	U		0.000240	0.00116	1	09/27/2017 01:47	WG1024909
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/27/2017 01:47	WG1024909
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/27/2017 01:47	WG1024909
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	09/27/2017 01:47	WG1024909
2,2-Dichloropropane	U		0.000324	0.00116	1	09/27/2017 01:47	WG1024909
Di-isopropyl ether	U		0.000288	0.00116	1	09/27/2017 01:47	WG1024909
Ethylbenzene	U		0.000345	0.00116	1	09/27/2017 01:47	WG1024909
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/27/2017 01:47	WG1024909
2-Hexanone	U		0.00159	0.0116	1	09/27/2017 01:47	WG1024909
n-Hexane	U		0.000337	0.0116	1	09/27/2017 01:47	WG1024909
Iodomethane	U		0.00294	0.0116	1	09/27/2017 01:47	WG1024909
Isopropylbenzene	U		0.000282	0.00116	1	09/27/2017 01:47	WG1024909
p-Isopropyltoluene	U		0.000237	0.00116	1	09/27/2017 01:47	WG1024909
2-Butanone (MEK)	U		0.00543	0.0116	1	09/27/2017 01:47	WG1024909
Methylene Chloride	U		0.00116	0.00581	1	09/27/2017 01:47	WG1024909
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/27/2017 01:47	WG1024909

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

Analyte	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	09/27/2017 01:47	WG1024909
Naphthalene	U		0.00116	0.00581	1	09/27/2017 01:47	WG1024909
n-Propylbenzene	U		0.000239	0.00116	1	09/27/2017 01:47	WG1024909
Styrene	U		0.000272	0.00116	1	09/27/2017 01:47	WG1024909
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	09/27/2017 01:47	WG1024909
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/27/2017 01:47	WG1024909
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/27/2017 01:47	WG1024909
Tetrachloroethene	2.17		0.00801	0.0290	25	09/28/2017 20:58	WG1024909
Toluene	U		0.000504	0.00581	1	09/27/2017 01:47	WG1024909
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/27/2017 01:47	WG1024909
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	09/27/2017 01:47	WG1024909
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/27/2017 01:47	WG1024909
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/27/2017 01:47	WG1024909
Trichloroethene	0.00106	J	0.000324	0.00116	1	09/27/2017 01:47	WG1024909
Trichlorofluoromethane	U		0.000444	0.00581	1	09/27/2017 01:47	WG1024909
1,2,3-Trichloropropane	U		0.000860	0.00290	1	09/27/2017 01:47	WG1024909
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/27/2017 01:47	WG1024909
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/27/2017 01:47	WG1024909
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/27/2017 01:47	WG1024909
Vinyl acetate	U		0.00278	0.0116	1	09/27/2017 01:47	WG1024909
Vinyl chloride	U		0.000338	0.00116	1	09/27/2017 01:47	WG1024909
Xylenes, Total	U		0.000810	0.00348	1	09/27/2017 01:47	WG1024909
(S) Toluene-d8	*110*			*80.0-120*		*09/27/2017 01:47*	WG1024909
(S) Toluene-d8	*108*			*80.0-120*		*09/28/2017 20:58*	WG1024909
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/27/2017 01:47*	WG1024909
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*09/28/2017 20:58*	WG1024909
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*09/27/2017 01:47*	WG1024909
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*09/28/2017 20:58*	WG1024909

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0537	1	09/27/2017 02:06	WG1024909
Acrylonitrile	U		0.00192	0.0107	1	09/27/2017 02:06	WG1024909
Benzene	U		0.000290	0.00107	1	09/27/2017 02:06	WG1024909
Bromobenzene	U		0.000305	0.00107	1	09/27/2017 02:06	WG1024909
Bromodichloromethane	U		0.000273	0.00107	1	09/27/2017 02:06	WG1024909
Bromochloromethane	U		0.000419	0.00537	1	09/27/2017 02:06	WG1024909
Bromoform	U		0.000456	0.00107	1	09/27/2017 02:06	WG1024909
Bromomethane	U		0.00144	0.00537	1	09/27/2017 02:06	WG1024909
n-Butylbenzene	U		0.000277	0.00107	1	09/27/2017 02:06	WG1024909
sec-Butylbenzene	U		0.000216	0.00107	1	09/27/2017 02:06	WG1024909
tert-Butylbenzene	U		0.000221	0.00107	1	09/27/2017 02:06	WG1024909
Carbon disulfide	0.00100	J	0.000238	0.00107	1	09/27/2017 02:06	WG1024909
Carbon tetrachloride	U		0.000353	0.00107	1	09/27/2017 02:06	WG1024909
Chlorobenzene	U		0.000228	0.00107	1	09/27/2017 02:06	WG1024909
Chlorodibromomethane	U		0.000401	0.00107	1	09/27/2017 02:06	WG1024909
Chloroethane	U		0.00102	0.00537	1	09/27/2017 02:06	WG1024909
Chloroform	U		0.000246	0.00537	1	09/27/2017 02:06	WG1024909
Chloromethane	U		0.000403	0.00269	1	09/27/2017 02:06	WG1024909
2-Chlorotoluene	U		0.000323	0.00107	1	09/27/2017 02:06	WG1024909
4-Chlorotoluene	U		0.000258	0.00107	1	09/27/2017 02:06	WG1024909
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	09/27/2017 02:06	WG1024909
1,2-Dibromoethane	U		0.000369	0.00107	1	09/27/2017 02:06	WG1024909
Dibromomethane	U		0.000411	0.00107	1	09/27/2017 02:06	WG1024909
1,2-Dichlorobenzene	U		0.000328	0.00107	1	09/27/2017 02:06	WG1024909
1,3-Dichlorobenzene	U		0.000257	0.00107	1	09/27/2017 02:06	WG1024909
1,4-Dichlorobenzene	U		0.000243	0.00107	1	09/27/2017 02:06	WG1024909
Dichlorodifluoromethane	U		0.000766	0.00537	1	09/27/2017 02:06	WG1024909
1,1-Dichloroethane	U		0.000214	0.00107	1	09/27/2017 02:06	WG1024909
1,2-Dichloroethane	U		0.000285	0.00107	1	09/27/2017 02:06	WG1024909
1,1-Dichloroethene	U		0.000326	0.00107	1	09/27/2017 02:06	WG1024909
cis-1,2-Dichloroethene	0.000728	J	0.000253	0.00107	1	09/27/2017 02:06	WG1024909
trans-1,2-Dichloroethene	U		0.000284	0.00107	1	09/27/2017 02:06	WG1024909
1,2-Dichloropropane	U		0.000385	0.00107	1	09/27/2017 02:06	WG1024909
1,1-Dichloropropene	U		0.000341	0.00107	1	09/27/2017 02:06	WG1024909
1,3-Dichloropropane	U		0.000222	0.00107	1	09/27/2017 02:06	WG1024909
cis-1,3-Dichloropropene	U		0.000282	0.00107	1	09/27/2017 02:06	WG1024909
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	09/27/2017 02:06	WG1024909
trans-1,4-Dichloro-2-butene	U		0.000836	0.00269	1	09/27/2017 02:06	WG1024909
2,2-Dichloropropane	U		0.000300	0.00107	1	09/27/2017 02:06	WG1024909
Di-isopropyl ether	U		0.000267	0.00107	1	09/27/2017 02:06	WG1024909
Ethylbenzene	U		0.000319	0.00107	1	09/27/2017 02:06	WG1024909
Hexachloro-1,3-butadiene	U		0.000368	0.00107	1	09/27/2017 02:06	WG1024909
2-Hexanone	U		0.00147	0.0107	1	09/27/2017 02:06	WG1024909
n-Hexane	U		0.000312	0.0107	1	09/27/2017 02:06	WG1024909
Iodomethane	U		0.00272	0.0107	1	09/27/2017 02:06	WG1024909
Isopropylbenzene	U		0.000261	0.00107	1	09/27/2017 02:06	WG1024909
p-Isopropyltoluene	U		0.000219	0.00107	1	09/27/2017 02:06	WG1024909
2-Butanone (MEK)	U		0.00503	0.0107	1	09/27/2017 02:06	WG1024909
Methylene Chloride	U		0.00107	0.00537	1	09/27/2017 02:06	WG1024909
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/27/2017 02:06	WG1024909

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

Analyte	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	09/27/2017 02:06	WG1024909
Naphthalene	U		0.00107	0.00537	1	09/27/2017 02:06	WG1024909
n-Propylbenzene	U		0.000221	0.00107	1	09/27/2017 02:06	WG1024909
Styrene	U		0.000251	0.00107	1	09/27/2017 02:06	WG1024909
1,1,1,2-Tetrachloroethane	U		0.000284	0.00107	1	09/27/2017 02:06	WG1024909
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	09/27/2017 02:06	WG1024909
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	09/27/2017 02:06	WG1024909
Tetrachloroethene	1.13		0.00742	0.0269	25	09/28/2017 21:18	WG1024909
Toluene	U		0.000466	0.00537	1	09/27/2017 02:06	WG1024909
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	09/27/2017 02:06	WG1024909
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	09/27/2017 02:06	WG1024909
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/27/2017 02:06	WG1024909
1,1,2-Trichloroethane	U		0.000298	0.00107	1	09/27/2017 02:06	WG1024909
Trichloroethene	0.000520	J	0.000300	0.00107	1	09/27/2017 02:06	WG1024909
Trichlorofluoromethane	U		0.000411	0.00537	1	09/27/2017 02:06	WG1024909
1,2,3-Trichloropropane	U		0.000796	0.00269	1	09/27/2017 02:06	WG1024909
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	09/27/2017 02:06	WG1024909
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	09/27/2017 02:06	WG1024909
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	09/27/2017 02:06	WG1024909
Vinyl acetate	U		0.00257	0.0107	1	09/27/2017 02:06	WG1024909
Vinyl chloride	U		0.000313	0.00107	1	09/27/2017 02:06	WG1024909
Xylenes, Total	U		0.000750	0.00322	1	09/27/2017 02:06	WG1024909
(S) Toluene-d8	*108*			*80.0-120*		*09/27/2017 02:06*	WG1024909
(S) Toluene-d8	*108*			*80.0-120*		*09/28/2017 21:18*	WG1024909
(S) Dibromofluoromethane	*107*			*74.0-131*		*09/27/2017 02:06*	WG1024909
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*09/28/2017 21:18*	WG1024909
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/28/2017 21:18*	WG1024909
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*09/27/2017 02:06*	WG1024909

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	2.11	B J J4	1.05	25.0	1	09/27/2017 19:51	WG1025164
Acrylonitrile	U		0.873	5.00	1	09/27/2017 19:51	WG1025164
Benzene	U		0.0896	0.500	1	09/27/2017 19:51	WG1025164
Bromobenzene	U		0.133	0.500	1	09/27/2017 19:51	WG1025164
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 19:51	WG1025164
Bromochloromethane	U		0.145	0.500	1	09/27/2017 19:51	WG1025164
Bromoform	U		0.186	0.500	1	09/27/2017 19:51	WG1025164
Bromomethane	U		0.157	2.50	1	09/27/2017 19:51	WG1025164
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 19:51	WG1025164
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 19:51	WG1025164
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 19:51	WG1025164
Carbon disulfide	U		0.101	0.500	1	09/27/2017 19:51	WG1025164
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 19:51	WG1025164
Chlorobenzene	U		0.140	0.500	1	09/27/2017 19:51	WG1025164
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 19:51	WG1025164
Chloroethane	U		0.141	2.50	1	09/27/2017 19:51	WG1025164
Chloroform	U		0.0860	0.500	1	09/27/2017 19:51	WG1025164
Chloromethane	0.754	J	0.153	1.25	1	09/27/2017 19:51	WG1025164
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 19:51	WG1025164
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 19:51	WG1025164
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 19:51	WG1025164
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 19:51	WG1025164
Dibromomethane	U		0.117	0.500	1	09/27/2017 19:51	WG1025164
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 19:51	WG1025164
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 19:51	WG1025164
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 19:51	WG1025164
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 19:51	WG1025164
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 19:51	WG1025164
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 19:51	WG1025164
1,1-Dichloroethene	0.226	J	0.188	0.500	1	09/27/2017 19:51	WG1025164
cis-1,2-Dichloroethene	0.477	J	0.0933	0.500	1	09/27/2017 19:51	WG1025164
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 19:51	WG1025164
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 19:51	WG1025164
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 19:51	WG1025164
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 19:51	WG1025164
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 19:51	WG1025164
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 19:51	WG1025164
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	09/27/2017 19:51	WG1025164
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 19:51	WG1025164
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 19:51	WG1025164
Ethylbenzene	U		0.158	0.500	1	09/27/2017 19:51	WG1025164
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/27/2017 19:51	WG1025164
2-Hexanone	U		0.757	5.00	1	09/27/2017 19:51	WG1025164
n-Hexane	U		0.305	5.00	1	09/27/2017 19:51	WG1025164
Iodomethane	U		0.377	10.0	1	09/27/2017 19:51	WG1025164
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 19:51	WG1025164
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 19:51	WG1025164
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 19:51	WG1025164
Methylene Chloride	U		1.07	2.50	1	09/27/2017 19:51	WG1025164
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 19:51	WG1025164
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 19:51	WG1025164
Naphthalene	U		0.174	2.50	1	09/27/2017 19:51	WG1025164
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 19:51	WG1025164
Styrene	U		0.117	0.500	1	09/27/2017 19:51	WG1025164
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 19:51	WG1025164
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 19:51	WG1025164

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/27/2017 19:51	WG1025164
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 19:51	WG1025164
Toluene	U		0.412	0.500	1	09/27/2017 19:51	WG1025164
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 19:51	WG1025164
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 19:51	WG1025164
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 19:51	WG1025164
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 19:51	WG1025164
Trichloroethene	0.450	J	0.153	0.500	1	09/27/2017 19:51	WG1025164
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 19:51	WG1025164
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 19:51	WG1025164
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 19:51	WG1025164
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 19:51	WG1025164
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 19:51	WG1025164
Vinyl acetate	U		0.645	5.00	1	09/27/2017 19:51	WG1025164
Vinyl chloride	U		0.118	0.500	1	09/27/2017 19:51	WG1025164
Xylenes, Total	U		0.316	1.50	1	09/27/2017 19:51	WG1025164
(S) Toluene-d8	*104*			*80.0-120*		*09/27/2017 19:51*	WG1025164
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/27/2017 19:51*	WG1025164
(S) 4-Bromofluorobenzene	*89.4*			*80.0-120*		*09/27/2017 19:51*	WG1025164

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	5.64	B J J4	5.25	125	5	09/27/2017 20:13	WG1025164
Acrylonitrile	U		4.36	25.0	5	09/27/2017 20:13	WG1025164
Benzene	U		0.448	2.50	5	09/27/2017 20:13	WG1025164
Bromobenzene	U		0.665	2.50	5	09/27/2017 20:13	WG1025164
Bromodichloromethane	U		0.400	2.50	5	09/27/2017 20:13	WG1025164
Bromochloromethane	U		0.725	2.50	5	09/27/2017 20:13	WG1025164
Bromoform	U		0.930	2.50	5	09/27/2017 20:13	WG1025164
Bromomethane	U		0.785	12.5	5	09/27/2017 20:13	WG1025164
n-Butylbenzene	U		0.715	2.50	5	09/27/2017 20:13	WG1025164
sec-Butylbenzene	U		0.670	2.50	5	09/27/2017 20:13	WG1025164
tert-Butylbenzene	U		0.915	2.50	5	09/27/2017 20:13	WG1025164
Carbon disulfide	U		0.505	2.50	5	09/27/2017 20:13	WG1025164
Carbon tetrachloride	U		0.795	2.50	5	09/27/2017 20:13	WG1025164
Chlorobenzene	U		0.700	2.50	5	09/27/2017 20:13	WG1025164
Chlorodibromomethane	U		0.640	2.50	5	09/27/2017 20:13	WG1025164
Chloroethane	U		0.705	12.5	5	09/27/2017 20:13	WG1025164
Chloroform	U		0.430	2.50	5	09/27/2017 20:13	WG1025164
Chloromethane	U		0.765	6.25	5	09/27/2017 20:13	WG1025164
2-Chlorotoluene	U		0.555	2.50	5	09/27/2017 20:13	WG1025164
4-Chlorotoluene	U		0.486	2.50	5	09/27/2017 20:13	WG1025164
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	09/27/2017 20:13	WG1025164
1,2-Dibromoethane	U		0.965	2.50	5	09/27/2017 20:13	WG1025164
Dibromomethane	U		0.585	2.50	5	09/27/2017 20:13	WG1025164
1,2-Dichlorobenzene	U		0.505	2.50	5	09/27/2017 20:13	WG1025164
1,3-Dichlorobenzene	U		0.650	2.50	5	09/27/2017 20:13	WG1025164
1,4-Dichlorobenzene	U		0.605	2.50	5	09/27/2017 20:13	WG1025164
Dichlorodifluoromethane	U		0.635	12.5	5	09/27/2017 20:13	WG1025164
1,1-Dichloroethane	U		0.570	2.50	5	09/27/2017 20:13	WG1025164
1,2-Dichloroethane	U		0.540	2.50	5	09/27/2017 20:13	WG1025164
1,1-Dichloroethene	U		0.940	2.50	5	09/27/2017 20:13	WG1025164
cis-1,2-Dichloroethene	86.2		0.466	2.50	5	09/27/2017 20:13	WG1025164
trans-1,2-Dichloroethene	U		0.760	2.50	5	09/27/2017 20:13	WG1025164
1,2-Dichloropropane	U		0.950	2.50	5	09/27/2017 20:13	WG1025164
1,1-Dichloropropene	U		0.640	2.50	5	09/27/2017 20:13	WG1025164
1,3-Dichloropropane	U		0.735	5.00	5	09/27/2017 20:13	WG1025164
cis-1,3-Dichloropropene	U		0.488	2.50	5	09/27/2017 20:13	WG1025164
trans-1,3-Dichloropropene	U		1.11	2.50	5	09/27/2017 20:13	WG1025164
trans-1,4-Dichloro-2-butene	U	J0	1.28	25.0	5	09/27/2017 20:13	WG1025164
2,2-Dichloropropane	U		0.464	2.50	5	09/27/2017 20:13	WG1025164
Di-isopropyl ether	U		0.462	2.50	5	09/27/2017 20:13	WG1025164
Ethylbenzene	U		0.790	2.50	5	09/27/2017 20:13	WG1025164
Hexachloro-1,3-butadiene	U		0.785	5.00	5	09/27/2017 20:13	WG1025164
2-Hexanone	U		3.78	25.0	5	09/27/2017 20:13	WG1025164
n-Hexane	U		1.52	25.0	5	09/27/2017 20:13	WG1025164
Iodomethane	U		1.88	50.0	5	09/27/2017 20:13	WG1025164
Isopropylbenzene	U		0.630	2.50	5	09/27/2017 20:13	WG1025164
p-Isopropyltoluene	U		0.690	2.50	5	09/27/2017 20:13	WG1025164
2-Butanone (MEK)	U		6.40	25.0	5	09/27/2017 20:13	WG1025164
Methylene Chloride	U		5.35	12.5	5	09/27/2017 20:13	WG1025164
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	09/27/2017 20:13	WG1025164
Methyl tert-butyl ether	U		0.510	2.50	5	09/27/2017 20:13	WG1025164
Naphthalene	U		0.870	12.5	5	09/27/2017 20:13	WG1025164
n-Propylbenzene	U		0.810	2.50	5	09/27/2017 20:13	WG1025164
Styrene	U		0.585	2.50	5	09/27/2017 20:13	WG1025164
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	09/27/2017 20:13	WG1025164
1,1,2,2-Tetrachloroethane	U		0.650	2.50	5	09/27/2017 20:13	WG1025164

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	09/27/2017 20:13	WG1025164
Tetrachloroethene	U		0.995	2.50	5	09/27/2017 20:13	WG1025164
Toluene	U		2.06	2.50	5	09/27/2017 20:13	WG1025164
1,2,3-Trichlorobenzene	U		0.820	2.50	5	09/27/2017 20:13	WG1025164
1,2,4-Trichlorobenzene	U		1.78	2.50	5	09/27/2017 20:13	WG1025164
1,1,1-Trichloroethane	U		0.470	2.50	5	09/27/2017 20:13	WG1025164
1,1,2-Trichloroethane	U		0.930	2.50	5	09/27/2017 20:13	WG1025164
Trichloroethene	U		0.765	2.50	5	09/27/2017 20:13	WG1025164
Trichlorofluoromethane	U		0.650	12.5	5	09/27/2017 20:13	WG1025164
1,2,3-Trichloropropane	U		1.24	12.5	5	09/27/2017 20:13	WG1025164
1,2,4-Trimethylbenzene	U		0.615	2.50	5	09/27/2017 20:13	WG1025164
1,2,3-Trimethylbenzene	U		0.370	2.50	5	09/27/2017 20:13	WG1025164
1,3,5-Trimethylbenzene	U		0.620	2.50	5	09/27/2017 20:13	WG1025164
Vinyl acetate	U		3.22	25.0	5	09/27/2017 20:13	WG1025164
Vinyl chloride	229		0.590	2.50	5	09/27/2017 20:13	WG1025164
Xylenes, Total	U		1.58	7.50	5	09/27/2017 20:13	WG1025164
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 20:13*	WG1025164
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/27/2017 20:13*	WG1025164
(S) 4-Bromofluorobenzene	*90.5*			*80.0-120*		*09/27/2017 20:13*	WG1025164

Sample Narrative:

L938873-08 WG1025164: Target compounds too high to re-analyze at a lower dilution.

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	4.56	B J J4	1.05	25.0	1	09/27/2017 20:35	WG1025164
Acrylonitrile	U		0.873	5.00	1	09/27/2017 20:35	WG1025164
Benzene	U		0.0896	0.500	1	09/27/2017 20:35	WG1025164
Bromobenzene	U		0.133	0.500	1	09/27/2017 20:35	WG1025164
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 20:35	WG1025164
Bromochloromethane	U		0.145	0.500	1	09/27/2017 20:35	WG1025164
Bromoform	U		0.186	0.500	1	09/27/2017 20:35	WG1025164
Bromomethane	U		0.157	2.50	1	09/27/2017 20:35	WG1025164
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 20:35	WG1025164
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 20:35	WG1025164
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 20:35	WG1025164
Carbon disulfide	U		0.101	0.500	1	09/27/2017 20:35	WG1025164
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 20:35	WG1025164
Chlorobenzene	U		0.140	0.500	1	09/27/2017 20:35	WG1025164
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 20:35	WG1025164
Chloroethane	U		0.141	2.50	1	09/27/2017 20:35	WG1025164
Chloroform	U		0.0860	0.500	1	09/27/2017 20:35	WG1025164
Chloromethane	2.07		0.153	1.25	1	09/27/2017 20:35	WG1025164
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 20:35	WG1025164
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 20:35	WG1025164
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 20:35	WG1025164
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 20:35	WG1025164
Dibromomethane	U		0.117	0.500	1	09/27/2017 20:35	WG1025164
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 20:35	WG1025164
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 20:35	WG1025164
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 20:35	WG1025164
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 20:35	WG1025164
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 20:35	WG1025164
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 20:35	WG1025164
1,1-Dichloroethene	U		0.188	0.500	1	09/27/2017 20:35	WG1025164
cis-1,2-Dichloroethene	0.345	J	0.0933	0.500	1	09/27/2017 20:35	WG1025164
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 20:35	WG1025164
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 20:35	WG1025164
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 20:35	WG1025164
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 20:35	WG1025164
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 20:35	WG1025164
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 20:35	WG1025164
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	09/27/2017 20:35	WG1025164
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 20:35	WG1025164
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 20:35	WG1025164
Ethylbenzene	U		0.158	0.500	1	09/27/2017 20:35	WG1025164
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/27/2017 20:35	WG1025164
2-Hexanone	U		0.757	5.00	1	09/27/2017 20:35	WG1025164
n-Hexane	U		0.305	5.00	1	09/27/2017 20:35	WG1025164
Iodomethane	U		0.377	10.0	1	09/27/2017 20:35	WG1025164
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 20:35	WG1025164
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 20:35	WG1025164
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 20:35	WG1025164
Methylene Chloride	U		1.07	2.50	1	09/27/2017 20:35	WG1025164
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 20:35	WG1025164
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 20:35	WG1025164
Naphthalene	U		0.174	2.50	1	09/27/2017 20:35	WG1025164
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 20:35	WG1025164
Styrene	U		0.117	0.500	1	09/27/2017 20:35	WG1025164
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 20:35	WG1025164
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 20:35	WG1025164

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/27/2017 20:35	WG1025164
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 20:35	WG1025164
Toluene	0.941		0.412	0.500	1	09/27/2017 20:35	WG1025164
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 20:35	WG1025164
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 20:35	WG1025164
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 20:35	WG1025164
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 20:35	WG1025164
Trichloroethene	U		0.153	0.500	1	09/27/2017 20:35	WG1025164
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 20:35	WG1025164
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 20:35	WG1025164
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 20:35	WG1025164
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 20:35	WG1025164
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 20:35	WG1025164
Vinyl acetate	U		0.645	5.00	1	09/27/2017 20:35	WG1025164
Vinyl chloride	0.457	J	0.118	0.500	1	09/27/2017 20:35	WG1025164
Xylenes, Total	U		0.316	1.50	1	09/27/2017 20:35	WG1025164
(S) Toluene-d8	*104*			*80.0-120*		*09/27/2017 20:35*	WG1025164
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/27/2017 20:35*	WG1025164
(S) 4-Bromofluorobenzene	*88.9*			*80.0-120*		*09/27/2017 20:35*	WG1025164

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	B J J4	1.05	25.0	1	09/27/2017 20:57	WG1025164
Acrylonitrile	U		0.873	5.00	1	09/27/2017 20:57	WG1025164
Benzene	U		0.0896	0.500	1	09/27/2017 20:57	WG1025164
Bromobenzene	U		0.133	0.500	1	09/27/2017 20:57	WG1025164
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 20:57	WG1025164
Bromochloromethane	U		0.145	0.500	1	09/27/2017 20:57	WG1025164
Bromoform	U		0.186	0.500	1	09/27/2017 20:57	WG1025164
Bromomethane	U		0.157	2.50	1	09/27/2017 20:57	WG1025164
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 20:57	WG1025164
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 20:57	WG1025164
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 20:57	WG1025164
Carbon disulfide	U		0.101	0.500	1	09/27/2017 20:57	WG1025164
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 20:57	WG1025164
Chlorobenzene	U		0.140	0.500	1	09/27/2017 20:57	WG1025164
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 20:57	WG1025164
Chloroethane	U		0.141	2.50	1	09/27/2017 20:57	WG1025164
Chloroform	U		0.0860	0.500	1	09/27/2017 20:57	WG1025164
Chloromethane	2.13		0.153	1.25	1	09/27/2017 20:57	WG1025164
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 20:57	WG1025164
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 20:57	WG1025164
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 20:57	WG1025164
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 20:57	WG1025164
Dibromomethane	U		0.117	0.500	1	09/27/2017 20:57	WG1025164
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 20:57	WG1025164
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 20:57	WG1025164
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 20:57	WG1025164
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 20:57	WG1025164
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 20:57	WG1025164
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 20:57	WG1025164
1,1-Dichloroethene	0.211	J	0.188	0.500	1	09/27/2017 20:57	WG1025164
cis-1,2-Dichloroethene	0.523		0.0933	0.500	1	09/27/2017 20:57	WG1025164
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 20:57	WG1025164
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 20:57	WG1025164
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 20:57	WG1025164
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 20:57	WG1025164
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 20:57	WG1025164
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 20:57	WG1025164
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	09/27/2017 20:57	WG1025164
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 20:57	WG1025164
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 20:57	WG1025164
Ethylbenzene	U		0.158	0.500	1	09/27/2017 20:57	WG1025164
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/27/2017 20:57	WG1025164
2-Hexanone	U		0.757	5.00	1	09/27/2017 20:57	WG1025164
n-Hexane	U		0.305	5.00	1	09/27/2017 20:57	WG1025164
Iodomethane	U		0.377	10.0	1	09/27/2017 20:57	WG1025164
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 20:57	WG1025164
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 20:57	WG1025164
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 20:57	WG1025164
Methylene Chloride	U		1.07	2.50	1	09/27/2017 20:57	WG1025164
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 20:57	WG1025164
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 20:57	WG1025164
Naphthalene	U		0.174	2.50	1	09/27/2017 20:57	WG1025164
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 20:57	WG1025164
Styrene	U		0.117	0.500	1	09/27/2017 20:57	WG1025164
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 20:57	WG1025164
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 20:57	WG1025164

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/27/2017 20:57	WG1025164
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 20:57	WG1025164
Toluene	U		0.412	0.500	1	09/27/2017 20:57	WG1025164
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 20:57	WG1025164
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 20:57	WG1025164
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 20:57	WG1025164
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 20:57	WG1025164
Trichloroethene	0.456	J	0.153	0.500	1	09/27/2017 20:57	WG1025164
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 20:57	WG1025164
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 20:57	WG1025164
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 20:57	WG1025164
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 20:57	WG1025164
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 20:57	WG1025164
Vinyl acetate	U		0.645	5.00	1	09/27/2017 20:57	WG1025164
Vinyl chloride	U		0.118	0.500	1	09/27/2017 20:57	WG1025164
Xylenes, Total	U		0.316	1.50	1	09/27/2017 20:57	WG1025164
(S) Toluene-d8	*104*			*80.0-120*		*09/27/2017 20:57*	WG1025164
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/27/2017 20:57*	WG1025164
(S) 4-Bromofluorobenzene	*89.3*			*80.0-120*		*09/27/2017 20:57*	WG1025164

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	J4	1.05	25.0	1	09/27/2017 12:53	WG1025164
Acrylonitrile	U		0.873	5.00	1	09/27/2017 12:53	WG1025164
Benzene	U		0.0896	0.500	1	09/27/2017 12:53	WG1025164
Bromobenzene	U		0.133	0.500	1	09/27/2017 12:53	WG1025164
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 12:53	WG1025164
Bromochloromethane	U		0.145	0.500	1	09/27/2017 12:53	WG1025164
Bromoform	U		0.186	0.500	1	09/27/2017 12:53	WG1025164
Bromomethane	U		0.157	2.50	1	09/27/2017 12:53	WG1025164
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 12:53	WG1025164
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 12:53	WG1025164
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 12:53	WG1025164
Carbon disulfide	U		0.101	0.500	1	09/27/2017 12:53	WG1025164
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 12:53	WG1025164
Chlorobenzene	U		0.140	0.500	1	09/27/2017 12:53	WG1025164
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 12:53	WG1025164
Chloroethane	U		0.141	2.50	1	09/27/2017 12:53	WG1025164
Chloroform	U		0.0860	0.500	1	09/27/2017 12:53	WG1025164
Chloromethane	U		0.153	1.25	1	09/27/2017 12:53	WG1025164
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 12:53	WG1025164
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 12:53	WG1025164
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 12:53	WG1025164
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 12:53	WG1025164
Dibromomethane	U		0.117	0.500	1	09/27/2017 12:53	WG1025164
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 12:53	WG1025164
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 12:53	WG1025164
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 12:53	WG1025164
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 12:53	WG1025164
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 12:53	WG1025164
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 12:53	WG1025164
1,1-Dichloroethene	U		0.188	0.500	1	09/27/2017 12:53	WG1025164
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/27/2017 12:53	WG1025164
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 12:53	WG1025164
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 12:53	WG1025164
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 12:53	WG1025164
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 12:53	WG1025164
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 12:53	WG1025164
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 12:53	WG1025164
trans-1,4-Dichloro-2-butene	U	J0	0.257	5.00	1	09/27/2017 12:53	WG1025164
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 12:53	WG1025164
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 12:53	WG1025164
Ethylbenzene	U		0.158	0.500	1	09/27/2017 12:53	WG1025164
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/27/2017 12:53	WG1025164
2-Hexanone	U		0.757	5.00	1	09/27/2017 12:53	WG1025164
n-Hexane	U		0.305	5.00	1	09/27/2017 12:53	WG1025164
Iodomethane	U		0.377	10.0	1	09/27/2017 12:53	WG1025164
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 12:53	WG1025164
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 12:53	WG1025164
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 12:53	WG1025164
Methylene Chloride	U		1.07	2.50	1	09/27/2017 12:53	WG1025164
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 12:53	WG1025164
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 12:53	WG1025164
Naphthalene	U		0.174	2.50	1	09/27/2017 12:53	WG1025164
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 12:53	WG1025164
Styrene	U		0.117	0.500	1	09/27/2017 12:53	WG1025164
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 12:53	WG1025164
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 12:53	WG1025164

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/27/2017 12:53	WG1025164
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 12:53	WG1025164
Toluene	U		0.412	0.500	1	09/27/2017 12:53	WG1025164
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 12:53	WG1025164
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 12:53	WG1025164
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 12:53	WG1025164
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 12:53	WG1025164
Trichloroethene	U		0.153	0.500	1	09/27/2017 12:53	WG1025164
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 12:53	WG1025164
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 12:53	WG1025164
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 12:53	WG1025164
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 12:53	WG1025164
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 12:53	WG1025164
Vinyl acetate	U		0.645	5.00	1	09/27/2017 12:53	WG1025164
Vinyl chloride	U		0.118	0.500	1	09/27/2017 12:53	WG1025164
Xylenes, Total	U		0.316	1.50	1	09/27/2017 12:53	WG1025164
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 12:53*	WG1025164
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/27/2017 12:53*	WG1025164
(S) 4-Bromofluorobenzene	*90.9*			*80.0-120*		*09/27/2017 12:53*	WG1025164

Method Blank (MB)

(MB) R3252964-1 09/27/17 15:46

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

L938855-01 Original Sample (OS) • Duplicate (DUP)

(OS) L938855-01 09/27/17 15:46 • (DUP) R3252964-3 09/27/17 15:46

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	82.9	82.7	1	0.000		5

Laboratory Control Sample (LCS)

(LCS) R3252964-2 09/27/17 15:46

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) R3254115-3 09/26/17 11:36

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) R3254115-3 09/26/17 11:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
2-Hexanone	U		0.00137	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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*110*			*74.0-131*
(S) 4-Bromofluorobenzene	*101*			*64.0-132*

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

(LCS) R3254115-1 09/26/17 10:17 • (LCSD) R3254115-2 09/26/17 10:43

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	0.142	0.132	113	106	11.0-160			7.05	23
Acrylonitrile	0.125	0.103	0.102	82.1	81.5	61.0-143			0.810	20
Benzene	0.0250	0.0254	0.0253	102	101	71.0-124			0.380	20
Bromobenzene	0.0250	0.0244	0.0242	97.6	96.9	78.0-120			0.650	20
Bromodichloromethane	0.0250	0.0241	0.0240	96.6	96.1	75.0-120			0.530	20
Bromoform	0.0250	0.0238	0.0238	95.4	95.4	65.0-133			0.0100	20
Bromomethane	0.0250	0.0308	0.0307	123	123	26.0-160			0.170	20
Bromochloromethane	0.0250	0.0258	0.0262	103	105	80.0-121			1.40	20
n-Butylbenzene	0.0250	0.0290	0.0285	116	114	73.0-126			1.64	20
sec-Butylbenzene	0.0250	0.0276	0.0274	111	110	75.0-121			0.750	20
Carbon disulfide	0.0250	0.0279	0.0280	111	112	53.0-130			0.560	20
tert-Butylbenzene	0.0250	0.0263	0.0264	105	105	74.0-122			0.0500	20
Carbon tetrachloride	0.0250	0.0261	0.0255	105	102	66.0-123			2.40	20
Chlorobenzene	0.0250	0.0266	0.0262	106	105	79.0-121			1.67	20
Chlorodibromomethane	0.0250	0.0256	0.0253	102	101	74.0-128			1.14	20
Chloroethane	0.0250	0.0281	0.0282	112	113	51.0-147			0.100	20
Chloroform	0.0250	0.0267	0.0264	107	105	73.0-123			1.07	20
Chloromethane	0.0250	0.0238	0.0235	95.1	94.2	51.0-138			0.970	20
2-Chlorotoluene	0.0250	0.0259	0.0259	104	104	72.0-124			0.0700	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0215	0.0214	86.0	85.5	65.0-126			0.570	20
4-Chlorotoluene	0.0250	0.0251	0.0250	101	100	78.0-120			0.410	20
1,2-Dibromoethane	0.0250	0.0236	0.0233	94.4	93.3	78.0-122			1.20	20
1,2-Dichlorobenzene	0.0250	0.0250	0.0247	100	99.0	80.0-120			1.23	20
Dibromomethane	0.0250	0.0245	0.0240	97.8	96.2	79.0-120			1.71	20
1,3-Dichlorobenzene	0.0250	0.0251	0.0248	100	99.1	72.0-123			1.34	20
1,4-Dichlorobenzene	0.0250	0.0259	0.0258	103	103	77.0-120			0.130	20
Dichlorodifluoromethane	0.0250	0.0280	0.0277	112	111	49.0-155			1.02	20
1,1-Dichloroethane	0.0250	0.0261	0.0261	105	104	70.0-128			0.140	20
trans-1,4-Dichloro-2-butene	0.0250	0.0217	0.0213	86.8	85.4	68.0-126			1.63	20
1,2-Dichloroethane	0.0250	0.0266	0.0261	106	104	69.0-128			2.02	20
1,1-Dichloroethene	0.0250	0.0275	0.0273	110	109	63.0-131			1.03	20
cis-1,2-Dichloroethene	0.0250	0.0258	0.0256	103	103	74.0-123			0.440	20
trans-1,2-Dichloroethene	0.0250	0.0266	0.0264	106	106	72.0-122			0.620	20
1,2-Dichloropropane	0.0250	0.0243	0.0240	97.1	95.9	75.0-126			1.26	20
1,1-Dichloropropene	0.0250	0.0264	0.0258	105	103	72.0-130			2.24	20
1,3-Dichloropropane	0.0250	0.0238	0.0235	95.2	94.1	80.0-121			1.17	20
cis-1,3-Dichloropropene	0.0250	0.0260	0.0262	104	105	80.0-125			0.440	20
trans-1,3-Dichloropropene	0.0250	0.0253	0.0250	101	99.9	75.0-129			1.25	20
2,2-Dichloropropane	0.0250	0.0260	0.0261	104	105	60.0-129			0.620	20
Di-isopropyl ether	0.0250	0.0234	0.0244	93.5	97.5	62.0-133			4.18	20

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

(LCS) R3254115-1 09/26/17 10:17 • (LCSD) R3254115-2 09/26/17 10:43

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	0.0262	0.0257	105	103	77.0-120			1.97	20
2-Hexanone	0.125	0.115	0.110	92.2	87.8	61.0-143			4.85	20
Hexachloro-1,3-butadiene	0.0250	0.0300	0.0301	120	120	68.0-128			0.170	20
Isopropylbenzene	0.0250	0.0254	0.0251	102	100	75.0-120			1.14	20
n-Hexane	0.0250	0.0270	0.0266	108	107	57.0-125			1.20	20
2-Butanone (MEK)	0.125	0.116	0.109	92.4	86.9	37.0-159			6.15	20
Iodomethane	0.125	0.149	0.148	119	118	67.0-132			0.440	20
p-Isopropyltoluene	0.0250	0.0289	0.0283	116	113	74.0-125			2.22	20
Methylene Chloride	0.0250	0.0279	0.0281	112	112	67.0-123			0.640	20
4-Methyl-2-pentanone (MIBK)	0.125	0.102	0.0995	81.9	79.6	60.0-144			2.88	20
Methyl tert-butyl ether	0.0250	0.0255	0.0252	102	101	66.0-125			1.00	20
Naphthalene	0.0250	0.0214	0.0214	85.5	85.7	64.0-125			0.230	20
n-Propylbenzene	0.0250	0.0279	0.0273	111	109	78.0-120			2.17	20
Styrene	0.0250	0.0256	0.0250	102	99.9	78.0-124			2.39	20
1,1,1,2-Tetrachloroethane	0.0250	0.0263	0.0258	105	103	74.0-124			1.82	20
1,1,2,2-Tetrachloroethane	0.0250	0.0233	0.0228	93.4	91.1	73.0-120			2.47	20
Tetrachloroethene	0.0250	0.0254	0.0251	102	100	70.0-127			1.33	20
Toluene	0.0250	0.0243	0.0241	97.4	96.4	77.0-120			1.00	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0282	0.0281	113	112	64.0-135			0.670	20
1,2,3-Trichlorobenzene	0.0250	0.0234	0.0237	93.7	94.8	68.0-126			1.16	20
1,1,1-Trichloroethane	0.0250	0.0264	0.0261	105	104	69.0-125			1.13	20
1,2,4-Trichlorobenzene	0.0250	0.0244	0.0238	97.8	95.2	70.0-127			2.63	20
1,1,2-Trichloroethane	0.0250	0.0237	0.0236	94.7	94.5	78.0-120			0.270	20
Trichloroethene	0.0250	0.0251	0.0250	100	100	79.0-120			0.420	20
Trichlorofluoromethane	0.0250	0.0286	0.0284	114	114	59.0-136			0.730	20
1,2,3-Trichloropropane	0.0250	0.0239	0.0233	95.5	93.1	73.0-124			2.59	20
1,2,3-Trimethylbenzene	0.0250	0.0240	0.0240	95.9	95.9	76.0-120			0.0700	20
1,2,4-Trimethylbenzene	0.0250	0.0261	0.0258	104	103	75.0-120			1.28	20
1,3,5-Trimethylbenzene	0.0250	0.0265	0.0261	106	104	75.0-120			1.83	20
Vinyl chloride	0.0250	0.0272	0.0269	109	108	63.0-134			1.12	20
Xylenes, Total	0.0750	0.0786	0.0775	105	103	77.0-120			1.41	20
Vinyl acetate	0.125	0.134	0.133	107	107	58.0-156			0.750	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*109*	*107*	*74.0-131*				
(S) 4-Bromofluorobenzene				*98.7*	*98.1*	*64.0-132*				

Method Blank (MB)

(MB) R3253106-3 09/26/17 19:54

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) R3253106-3 09/26/17 19:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Ethylbenzene	U		0.000297	0.00100
n-Hexane	U		0.000290	0.0100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Iodomethane	U		0.00253	0.0100
2-Hexanone	U		0.00137	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
Vinyl acetate	U		0.00239	0.0100
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 chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*117*			*80.0-120*
(S) Dibromofluoromethane	*101*			*74.0-131*
(S) 4-Bromofluorobenzene	*111*			*64.0-132*

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

(LCS) R3253106-1 09/26/17 18:54 • (LCSD) R3253106-2 09/26/17 19:14

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	0.0989	0.0850	79.1	68.0	11.0-160			15.1	23
Acrylonitrile	0.125	0.0957	0.0917	76.5	73.4	61.0-143			4.23	20
Benzene	0.0250	0.0224	0.0216	89.5	86.3	71.0-124			3.64	20
Bromobenzene	0.0250	0.0233	0.0237	93.0	94.9	78.0-120			1.95	20
Bromodichloromethane	0.0250	0.0243	0.0230	97.2	92.0	75.0-120			5.47	20
Bromoform	0.0250	0.0253	0.0252	101	101	65.0-133			0.460	20
Bromochloromethane	0.0250	0.0249	0.0241	99.6	96.5	80.0-121			3.20	20
Bromomethane	0.0250	0.0195	0.0187	78.1	75.0	26.0-160			4.13	20
n-Butylbenzene	0.0250	0.0223	0.0227	89.3	90.9	73.0-126			1.80	20
sec-Butylbenzene	0.0250	0.0235	0.0235	93.9	94.0	75.0-121			0.130	20
tert-Butylbenzene	0.0250	0.0230	0.0226	92.2	90.6	74.0-122			1.74	20
Carbon tetrachloride	0.0250	0.0204	0.0198	81.6	79.4	66.0-123			2.74	20
Carbon disulfide	0.0250	0.0215	0.0205	85.8	81.9	53.0-130			4.70	20
Chlorobenzene	0.0250	0.0249	0.0249	99.5	99.8	79.0-121			0.300	20
Chlorodibromomethane	0.0250	0.0243	0.0244	97.4	97.5	74.0-128			0.140	20
Chloroethane	0.0250	0.0213	0.0203	85.4	81.4	51.0-147			4.79	20
Chloroform	0.0250	0.0226	0.0221	90.6	88.2	73.0-123			2.63	20
Chloromethane	0.0250	0.0186	0.0180	74.5	72.2	51.0-138			3.20	20
2-Chlorotoluene	0.0250	0.0236	0.0236	94.5	94.2	72.0-124			0.240	20
4-Chlorotoluene	0.0250	0.0233	0.0237	93.2	94.9	78.0-120			1.81	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0199	0.0206	79.6	82.5	65.0-126			3.62	20
1,2-Dibromoethane	0.0250	0.0264	0.0262	106	105	78.0-122			0.590	20
Dibromomethane	0.0250	0.0220	0.0218	87.9	87.1	79.0-120			0.900	20
1,2-Dichlorobenzene	0.0250	0.0226	0.0232	90.6	92.7	80.0-120			2.26	20
1,3-Dichlorobenzene	0.0250	0.0234	0.0233	93.4	93.3	72.0-123			0.130	20
1,4-Dichlorobenzene	0.0250	0.0233	0.0234	93.4	93.5	77.0-120			0.140	20
Dichlorodifluoromethane	0.0250	0.0199	0.0188	79.5	75.2	49.0-155			5.56	20
trans-1,4-Dichloro-2-butene	0.0250	0.0208	0.0219	83.2	87.6	68.0-126			5.18	20
1,1-Dichloroethane	0.0250	0.0234	0.0223	93.7	89.0	70.0-128			5.08	20
1,2-Dichloroethane	0.0250	0.0229	0.0221	91.6	88.2	69.0-128			3.69	20
1,1-Dichloroethene	0.0250	0.0219	0.0208	87.8	83.2	63.0-131			5.43	20
cis-1,2-Dichloroethene	0.0250	0.0235	0.0221	94.2	88.4	74.0-123			6.32	20
trans-1,2-Dichloroethene	0.0250	0.0233	0.0226	93.4	90.6	72.0-122			3.03	20
1,2-Dichloropropane	0.0250	0.0239	0.0234	95.6	93.5	75.0-126			2.19	20
1,1-Dichloropropene	0.0250	0.0224	0.0217	89.7	86.8	72.0-130			3.29	20
1,3-Dichloropropane	0.0250	0.0250	0.0255	100	102	80.0-121			1.67	20
cis-1,3-Dichloropropene	0.0250	0.0278	0.0279	111	112	80.0-125			0.260	20
trans-1,3-Dichloropropene	0.0250	0.0270	0.0267	108	107	75.0-129			1.06	20
2,2-Dichloropropane	0.0250	0.0169	0.0167	67.6	66.6	60.0-129			1.49	20
Di-isopropyl ether	0.0250	0.0203	0.0198	81.2	79.1	62.0-133			2.68	20

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

(LCS) R3253106-1 09/26/17 18:54 • (LCSD) R3253106-2 09/26/17 19:14

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	0.0241	0.0238	96.4	95.1	77.0-120			1.30	20
Hexachloro-1,3-butadiene	0.0250	0.0239	0.0245	95.6	97.9	68.0-128			2.33	20
2-Hexanone	0.125	0.105	0.0995	84.4	79.6	61.0-143			5.87	20
Isopropylbenzene	0.0250	0.0232	0.0231	92.6	92.3	75.0-120			0.300	20
n-Hexane	0.0250	0.0205	0.0195	82.1	78.1	57.0-125			4.98	20
Iodomethane	0.125	0.114	0.108	91.4	86.4	67.0-132			5.65	20
p-Isopropyltoluene	0.0250	0.0244	0.0243	97.5	97.2	74.0-125			0.360	20
2-Butanone (MEK)	0.125	0.0960	0.0863	76.8	69.1	37.0-159			10.6	20
Methylene Chloride	0.0250	0.0215	0.0208	86.0	83.2	67.0-123			3.26	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0907	0.0894	72.5	71.5	60.0-144			1.47	20
Methyl tert-butyl ether	0.0250	0.0190	0.0182	75.9	72.9	66.0-125			3.92	20
Naphthalene	0.0250	0.0219	0.0224	87.4	89.6	64.0-125			2.45	20
n-Propylbenzene	0.0250	0.0239	0.0238	95.7	95.2	78.0-120			0.490	20
Styrene	0.0250	0.0251	0.0251	100	100	78.0-124			0.0200	20
1,1,1,2-Tetrachloroethane	0.0250	0.0222	0.0227	88.7	90.8	74.0-124			2.31	20
1,1,2,2-Tetrachloroethane	0.0250	0.0216	0.0218	86.2	87.0	73.0-120			0.930	20
Tetrachloroethene	0.0250	0.0264	0.0258	105	103	70.0-127			2.05	20
Toluene	0.0250	0.0240	0.0235	95.9	94.1	77.0-120			1.97	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0197	0.0186	79.0	74.6	64.0-135			5.77	20
1,2,3-Trichlorobenzene	0.0250	0.0241	0.0248	96.3	99.0	68.0-126			2.82	20
1,2,4-Trichlorobenzene	0.0250	0.0229	0.0234	91.4	93.7	70.0-127			2.49	20
1,1,1-Trichloroethane	0.0250	0.0211	0.0200	84.2	80.1	69.0-125			5.01	20
1,1,2-Trichloroethane	0.0250	0.0243	0.0246	97.1	98.4	78.0-120			1.29	20
Trichloroethene	0.0250	0.0230	0.0222	91.8	89.0	79.0-120			3.13	20
Trichlorofluoromethane	0.0250	0.0213	0.0199	85.1	79.4	59.0-136			6.90	20
1,2,3-Trichloropropane	0.0250	0.0215	0.0216	85.8	86.3	73.0-124			0.530	20
1,2,3-Trimethylbenzene	0.0250	0.0207	0.0209	83.0	83.6	76.0-120			0.780	20
1,2,4-Trimethylbenzene	0.0250	0.0224	0.0226	89.8	90.2	75.0-120			0.540	20
1,3,5-Trimethylbenzene	0.0250	0.0235	0.0234	94.1	93.4	75.0-120			0.650	20
Vinyl chloride	0.0250	0.0213	0.0200	85.1	80.0	63.0-134			6.11	20
Xylenes, Total	0.0750	0.0725	0.0718	96.7	95.7	77.0-120			0.970	20
Vinyl acetate	0.125	0.121	0.117	96.9	93.7	58.0-156			3.43	20
(S) Toluene-d8				*113*	*114*	*80.0-120*				
(S) Dibromofluoromethane				*103*	*101*	*74.0-131*				
(S) 4-Bromofluorobenzene				*107*	*109*	*64.0-132*				

Method Blank (MB)

(MB) R3253064-3 09/27/17 12:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	1.10	J	1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

Method Blank (MB)

(MB) R3253064-3 09/27/17 12:05

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	0.178	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	*104*			*80.0-120*
(S) Dibromofluoromethane	*101*			*76.0-123*
(S) 4-Bromofluorobenzene	*89.9*			*80.0-120*

Laboratory Control Sample (LCS)

(LCS) R3253064-1 09/27/17 10:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	202	162	10.0-160	J4
Acrylonitrile	125	139	111	60.0-142	
Benzene	25.0	26.0	104	69.0-123	
Bromobenzene	25.0	23.9	95.5	79.0-120	
Bromodichloromethane	25.0	24.6	98.3	76.0-120	
Bromochloromethane	25.0	25.8	103	76.0-122	
Bromoform	25.0	25.4	102	67.0-132	
Bromomethane	25.0	30.3	121	18.0-160	
n-Butylbenzene	25.0	27.2	109	72.0-126	
sec-Butylbenzene	25.0	26.5	106	74.0-121	
tert-Butylbenzene	25.0	25.3	101	75.0-122	
Carbon disulfide	25.0	25.5	102	55.0-127	
Carbon tetrachloride	25.0	25.3	101	63.0-122	
Chlorobenzene	25.0	26.0	104	79.0-121	
Chlorodibromomethane	25.0	26.7	107	75.0-125	
Chloroethane	25.0	32.5	130	47.0-152	
Chloroform	25.0	25.7	103	72.0-121	
Chloromethane	25.0	28.7	115	48.0-139	
2-Chlorotoluene	25.0	24.4	97.5	74.0-122	
4-Chlorotoluene	25.0	24.2	96.9	79.0-120	
1,2-Dibromo-3-Chloropropane	25.0	25.1	101	64.0-127	
1,2-Dibromoethane	25.0	25.5	102	77.0-123	
Dibromomethane	25.0	25.4	102	78.0-120	
1,2-Dichlorobenzene	25.0	25.9	104	80.0-120	
1,3-Dichlorobenzene	25.0	25.3	101	72.0-123	
1,4-Dichlorobenzene	25.0	25.2	101	77.0-120	
Dichlorodifluoromethane	25.0	33.9	136	49.0-155	
1,1-Dichloroethane	25.0	26.3	105	70.0-126	
1,2-Dichloroethane	25.0	26.8	107	67.0-126	
1,1-Dichloroethene	25.0	25.5	102	64.0-129	
cis-1,2-Dichloroethene	25.0	25.4	102	73.0-120	
trans-1,2-Dichloroethene	25.0	25.9	104	71.0-121	
1,2-Dichloropropane	25.0	26.2	105	75.0-125	
1,1-Dichloropropene	25.0	26.6	107	71.0-129	
1,3-Dichloropropane	25.0	26.1	105	80.0-121	
cis-1,3-Dichloropropene	25.0	26.1	105	79.0-123	
trans-1,3-Dichloropropene	25.0	25.9	104	74.0-127	
trans-1,4-Dichloro-2-butene	25.0	18.5	73.8	55.0-134	
2,2-Dichloropropane	25.0	25.8	103	60.0-125	
Di-isopropyl ether	25.0	25.7	103	59.0-133	

Laboratory Control Sample (LCS)

(LCS) R3253064-1 09/27/17 10:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	25.0	25.5	102	77.0-120	
Hexachloro-1,3-butadiene	25.0	25.6	102	64.0-131	
2-Hexanone	125	146	116	58.0-147	
n-Hexane	25.0	27.5	110	56.0-124	
Iodomethane	125	127	102	57.0-140	
Isopropylbenzene	25.0	24.6	98.3	75.0-120	
p-Isopropyltoluene	25.0	26.7	107	74.0-126	
2-Butanone (MEK)	125	143	114	37.0-158	
Methylene Chloride	25.0	25.6	102	66.0-121	
4-Methyl-2-pentanone (MIBK)	125	129	103	59.0-143	
Methyl tert-butyl ether	25.0	25.8	103	64.0-123	
Naphthalene	25.0	25.3	101	62.0-128	
n-Propylbenzene	25.0	24.8	99.2	79.0-120	
Styrene	25.0	23.9	95.8	78.0-124	
1,1,1,2-Tetrachloroethane	25.0	25.8	103	75.0-122	
1,1,2,2-Tetrachloroethane	25.0	24.3	97.2	71.0-122	
1,1,2-Trichlorotrifluoroethane	25.0	26.8	107	61.0-136	
Tetrachloroethene	25.0	25.7	103	70.0-127	
Toluene	25.0	25.4	102	77.0-120	
1,2,3-Trichlorobenzene	25.0	25.2	101	61.0-133	
1,2,4-Trichlorobenzene	25.0	25.2	101	69.0-129	
1,1,1-Trichloroethane	25.0	26.2	105	68.0-122	
1,1,2-Trichloroethane	25.0	25.8	103	78.0-120	
Trichloroethene	25.0	25.6	103	78.0-120	
Trichlorofluoromethane	25.0	28.5	114	56.0-137	
1,2,3-Trichloropropane	25.0	24.3	97.3	72.0-124	
1,2,4-Trimethylbenzene	25.0	24.5	98.0	75.0-120	
1,2,3-Trimethylbenzene	25.0	26.2	105	75.0-120	
1,3,5-Trimethylbenzene	25.0	24.6	98.2	75.0-120	
Vinyl acetate	125	137	110	46.0-160	
Vinyl chloride	25.0	32.9	131	64.0-133	
Xylenes, Total	75.0	76.7	102	77.0-120	
(S) Toluene-d8			*103*	*80.0-120*	
(S) Dibromofluoromethane			*102*	*76.0-123*	
(S) 4-Bromofluorobenzene			*92.9*	*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
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.

State Accreditations

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

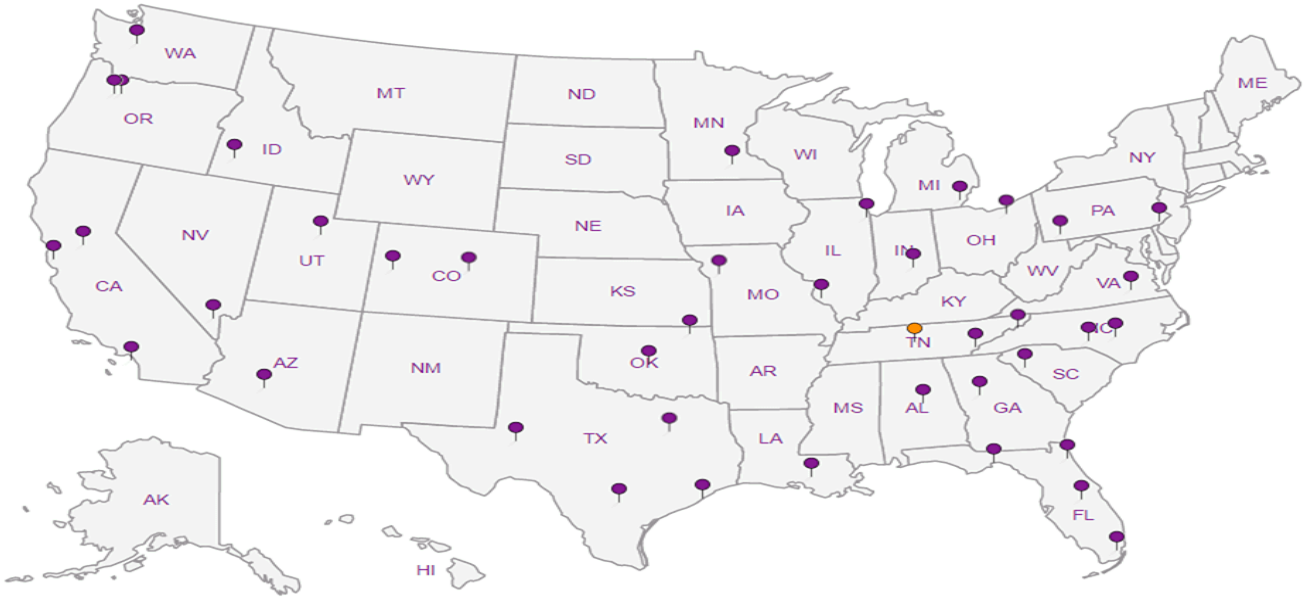
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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**

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

Project Description: **American Linen Project**

City/State Collected: SEATTLE, WA

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

Client Project # 1413.001.02.602

Lab Project # **PESENVSWA-ALP**

Collected by (print): SHANNON MCKERNAN

Site/Facility ID # 1413.001.02.602

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	~~NWTPHGX 2ozClr-NoPres~~ TS	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOC 8260C 2ozClr-NoPres 40 ml/HCl	VOC 8260C 40ml/NaHS04/Syr/MeOH	Remarks	Sample # (lab only)
B-223-16	GRAB	SS	16	9/21/17	1545	5	X			X		-01
B-223-22		SS	22		1600	5	X			X		-02
B-223-30		SS	30		1625	5	X			X		-03
B-223-39		SS	39		1640	5	X			X		-04
B-223-47		SS	47		~~1730~~ 1710	5	X			X		-05
B-917-57		SS	57		~~1710~~ 1730	5	X			X		-06
MW-140-092217		SS	134	9/22/17	1050	6			X			-07
MW-134-092217		SS	85		0850	6			X			-08
MW-141-092217		SS	100		1230	6			X			-09
B-917-100-W		SS	100		0930	6			X			-10

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

ESC LAB SCIENCES
a subsidiary of Accutest

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

L# 938873

Table # B067

Acctnum: PESENVSWA

Template: T127855

Prelogin: P618512

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:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 7474 0921 0344

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)
	9/22/17	1500	
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: 2.0 °C Bottles Received: 54

Date: 9/23/17 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

Report to: Bill Haldeman

Email To: bhaldeman@pesenv.com

Project Description: American Linen Project

City/State Collected:

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

Client Project # 1413.001.02.602

Lab Project # PESENVSWA-ALP

Collected by (print): SHANNON McKERNAN

Site/Facility ID # 1413.001.02.602

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

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

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NWTPHGX 2oz Clr-NoPres	NWTPHGX 40ml/NaHS04/Syr/MeOH	VOC 8260C 2oz Clr-NoPres 40mL/HCl	VOC 8260C 40ml/NaHS04/Syr/MeOH							Remarks	Sample # (lab only)
TRIPBLANK-092217	NA	~~NA~~ SS	NA	5/15/17	NA	1			X									-11
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

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# 938873

Table #

Acctnum: PESENVSWA

Template: T127855

Prelogin: P618512

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:

pH ___ Temp ___

Flow ___ Other ___

Samples returned via:
__ UPS X FedEx __ Courier

Tracking # 7474 0921 0374

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
	9/22/17	1500		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.0 °C Bottles Received: 54
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/23/17 Time: 0845
				Hold: Condition: NCF OK

MEMORANDUM

TO: Project File **DATE:** October 18, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 21-22, 2017 – Soil and Groundwater Samples

LAB: ESC Lab ID L938873

Six (6) soil samples including one field duplicate, four (4) groundwater samples including one field duplicate, and a trip blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 21-22, 2017. 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.

The results are reported in ESC Sample Delivery Group (SDG) L938873. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L938873 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 with the following comment:

- The chain of custody shows a soil matrix (SS) for all four groundwater samples. The chain of custody should show groundwater (GW) under the matrix column for samples MW-140-092217, MW-134-092217, MW-141-092217, and B-917-100-W.

Sample Collection and Preservation

Samples were collected on September 21-22, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 2.8 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for soils and preserved waters from the date of sample collection. All holding time criteria were met.

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for bromomethane and 4-methyl-2-pentanone (MIBK) associated with analytical batch WG1024797 (analyzed on September 26, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acrylonitrile, 1,2-dibromo-3-chloropropane, and 4-methyl-2-pentanone (MIBK) associated with analytical batch WG1024797 (analyzed on October 2, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for trans-1,4-dichloro-2-butene associated with analytical batch WG1025164 (analyzed on September 27, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All**

associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).

Method Blank Results

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

- Batch WG1025164 (waters): Acetone and hexachloro-1,3-butadiene are detected above the method detection limit (MDL) and below the RDL in the method blank. **Associated acetone detections in samples MW-140-092217, MW-134-092217, MW-141-092217 and B-917-100-W are qualified as not detected (U) due to blank contamination.** No action was taken for hexachloro-1,3-butadiene as it was not detected in the associated samples.

Total Solids by SM 2540 G 2011:
Laboratory method blank was 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:
A trip blank was collected and submitted for VOC analysis. The target analytes were not detected in the trip blank at or above the RDL.

Field, Rinsate, or Equipment Blank Results

Field, rinsate, or equipment blanks were not collected.

Field Duplicate Analyses

Two sets of field duplicate (samples B-223-47 / B-917-57 and samples MW-140-092217 / B-917-100-W) results are comparable for VOCs and less than 30% RPD with the following exception:

- Field duplicate sample pair (B-223-47 / B-917-57) RPD is greater than 30% for tetrachloroethene. **Sample field duplicate (B-223-47 / B-917-57) results for tetrachloroethene 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.

Total Solids by SM 2540 G 2011:
Laboratory duplicate sample analyses were performed 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%.

Surrogate Recoveries

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

Laboratory Control Samples

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

- LCS (Batch WG1025164 for waters) % recovery for acetone is above laboratory criteria and qualified by the laboratory (J4). No action was taken on this basis since acetone was also detected at a low level in the method blank and in the associated samples. Refer to the blank section for further discussion.

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 not performed. Refer to LCS/LCSD results for more information.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following exception:

- Soil samples B-223-16, B-223-22, B-223-30, B-223-39, and groundwater sample MW-134-092217 VOC results are footnoted by ESC to indicate that target compounds are too high to re-analyze at a lower dilution. No action was taken other than to note this.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.6		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		2.36	11.8	200	09/26/2017 20:28	WG1024797
Acrylonitrile	U		0.423	2.36	200	09/26/2017 20:28	WG1024797
Benzene	U		0.0638	0.236	200	09/26/2017 20:28	WG1024797
Bromobenzene	U		0.0671	0.236	200	09/26/2017 20:28	WG1024797
Bromodichloromethane	U		0.0600	0.236	200	09/26/2017 20:28	WG1024797
Bromochloromethane	U		0.0922	1.18	200	09/26/2017 20:28	WG1024797
Bromoform	U		0.100	0.236	200	09/26/2017 20:28	WG1024797
Bromomethane	U UJ	J0	0.317	1.18	200	09/26/2017 20:28	WG1024797
n-Butylbenzene	U		0.0610	0.236	200	09/26/2017 20:28	WG1024797
sec-Butylbenzene	U		0.0475	0.236	200	09/26/2017 20:28	WG1024797
tert-Butylbenzene	U		0.0487	0.236	200	09/26/2017 20:28	WG1024797
Carbon disulfide	U		0.0522	0.236	200	09/26/2017 20:28	WG1024797
Carbon tetrachloride	U		0.0775	0.236	200	09/26/2017 20:28	WG1024797
Chlorobenzene	U		0.0501	0.236	200	09/26/2017 20:28	WG1024797
Chlorodibromomethane	U		0.0881	0.236	200	09/26/2017 20:28	WG1024797
Chloroethane	U		0.223	1.18	200	09/26/2017 20:28	WG1024797
Chloroform	U		0.0541	1.18	200	09/26/2017 20:28	WG1024797
Chloromethane	U		0.0886	0.591	200	09/26/2017 20:28	WG1024797
2-Chlorotoluene	U		0.0711	0.236	200	09/26/2017 20:28	WG1024797
4-Chlorotoluene	U		0.0567	0.236	200	09/26/2017 20:28	WG1024797
1,2-Dibromo-3-Chloropropane	U		0.248	1.18	200	09/26/2017 20:28	WG1024797
1,2-Dibromoethane	U		0.0811	0.236	200	09/26/2017 20:28	WG1024797
Dibromomethane	U		0.0903	0.236	200	09/26/2017 20:28	WG1024797
1,2-Dichlorobenzene	U		0.0721	0.236	200	09/26/2017 20:28	WG1024797
1,3-Dichlorobenzene	U		0.0565	0.236	200	09/26/2017 20:28	WG1024797
1,4-Dichlorobenzene	U		0.0534	0.236	200	09/26/2017 20:28	WG1024797
Dichlorodifluoromethane	U		0.169	1.18	200	09/26/2017 20:28	WG1024797
1,1-Dichloroethane	U		0.0470	0.236	200	09/26/2017 20:28	WG1024797
1,2-Dichloroethane	U		0.0626	0.236	200	09/26/2017 20:28	WG1024797
1,1-Dichloroethene	U		0.0716	0.236	200	09/26/2017 20:28	WG1024797
cis-1,2-Dichloroethene	1.71		0.0555	0.236	200	09/26/2017 20:28	WG1024797
trans-1,2-Dichloroethene	U		0.0624	0.236	200	09/26/2017 20:28	WG1024797
1,2-Dichloropropane	0.203 J	J	0.0846	0.236	200	09/26/2017 20:28	WG1024797
1,1-Dichloropropene	U		0.0749	0.236	200	09/26/2017 20:28	WG1024797
1,3-Dichloropropane	U		0.0489	0.236	200	09/26/2017 20:28	WG1024797
cis-1,3-Dichloropropene	U		0.0619	0.236	200	09/26/2017 20:28	WG1024797
trans-1,3-Dichloropropene	U		0.0631	0.236	200	09/26/2017 20:28	WG1024797
trans-1,4-Dichloro-2-butene	U		0.184	0.591	200	09/26/2017 20:28	WG1024797
2,2-Dichloropropane	U		0.0659	0.236	200	09/26/2017 20:28	WG1024797
Di-isopropyl ether	U		0.0586	0.236	200	09/26/2017 20:28	WG1024797
Ethylbenzene	U		0.0702	0.236	200	09/26/2017 20:28	WG1024797
Hexachloro-1,3-butadiene	U		0.0808	0.236	200	09/26/2017 20:28	WG1024797
2-Hexanone	U		0.324	2.36	200	09/26/2017 20:28	WG1024797
n-Hexane	U		0.0685	2.36	200	09/26/2017 20:28	WG1024797
Iodomethane	U		0.598	2.36	200	09/26/2017 20:28	WG1024797
Isopropylbenzene	U		0.0574	0.236	200	09/26/2017 20:28	WG1024797
p-Isopropyltoluene	U		0.0482	0.236	200	09/26/2017 20:28	WG1024797
2-Butanone (MEK)	U		1.11	2.36	200	09/26/2017 20:28	WG1024797
Methylene Chloride	U		0.236	1.18	200	09/26/2017 20:28	WG1024797
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.444	2.36	200	09/26/2017 20:28	WG1024797

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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		0.0501	0.236	200	09/26/2017 20:28	WG1024797
Naphthalene	U		0.236	1.18	200	09/26/2017 20:28	WG1024797
n-Propylbenzene	U		0.0487	0.236	200	09/26/2017 20:28	WG1024797
Styrene	U		0.0553	0.236	200	09/26/2017 20:28	WG1024797
1,1,1,2-Tetrachloroethane	U		0.0624	0.236	200	09/26/2017 20:28	WG1024797
1,1,2,2-Tetrachloroethane	U		0.0863	0.236	200	09/26/2017 20:28	WG1024797
1,1,2-Trichlorotrifluoroethane	U		0.0863	0.236	200	09/26/2017 20:28	WG1024797
Tetrachloroethene	27.0		0.0652	0.236	200	09/26/2017 20:28	WG1024797
Toluene	U		0.103	1.18	200	09/26/2017 20:28	WG1024797
1,2,3-Trichlorobenzene	U		0.0723	0.236	200	09/26/2017 20:28	WG1024797
1,2,4-Trichlorobenzene	U		0.0917	0.236	200	09/26/2017 20:28	WG1024797
1,1,1-Trichloroethane	U		0.0676	0.236	200	09/26/2017 20:28	WG1024797
1,1,2-Trichloroethane	U		0.0655	0.236	200	09/26/2017 20:28	WG1024797
Trichloroethene	1.08		0.0659	0.236	200	09/26/2017 20:28	WG1024797
Trichlorofluoromethane	U		0.0903	1.18	200	09/26/2017 20:28	WG1024797
1,2,3-Trichloropropane	U		0.175	0.591	200	09/26/2017 20:28	WG1024797
1,2,4-Trimethylbenzene	U		0.0499	0.236	200	09/26/2017 20:28	WG1024797
1,2,3-Trimethylbenzene	U		0.0678	0.236	200	09/26/2017 20:28	WG1024797
1,3,5-Trimethylbenzene	U		0.0629	0.236	200	09/26/2017 20:28	WG1024797
Vinyl acetate	U		0.565	2.36	200	09/26/2017 20:28	WG1024797
Vinyl chloride	U		0.0688	0.236	200	09/26/2017 20:28	WG1024797
Xylenes, Total	U		0.165	0.709	200	09/26/2017 20:28	WG1024797
(S) Toluene-d8	*102*			*80.0-120*		*09/26/2017 20:28*	WG1024797
(S) Dibromofluoromethane	*111*			*74.0-131*		*09/26/2017 20:28*	WG1024797
(S) 4-Bromofluorobenzene	*99.5*			*64.0-132*		*09/26/2017 20:28*	WG1024797

Sample Narrative:

L938873-01 WG1024797: Target compounds too high to re-analyze at a lower dilution.

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		2.28	11.4	200	09/26/2017 20:54	WG1024797
Acrylonitrile	U		0.409	2.28	200	09/26/2017 20:54	WG1024797
Benzene	U		0.0617	0.228	200	09/26/2017 20:54	WG1024797
Bromobenzene	U		0.0649	0.228	200	09/26/2017 20:54	WG1024797
Bromodichloromethane	U		0.0580	0.228	200	09/26/2017 20:54	WG1024797
Bromochloromethane	U		0.0891	1.14	200	09/26/2017 20:54	WG1024797
Bromoform	U		0.0968	0.228	200	09/26/2017 20:54	WG1024797
Bromomethane	U UJ	J0	0.306	1.14	200	09/26/2017 20:54	WG1024797
n-Butylbenzene	U		0.0589	0.228	200	09/26/2017 20:54	WG1024797
sec-Butylbenzene	U		0.0459	0.228	200	09/26/2017 20:54	WG1024797
tert-Butylbenzene	U		0.0470	0.228	200	09/26/2017 20:54	WG1024797
Carbon disulfide	U		0.0505	0.228	200	09/26/2017 20:54	WG1024797
Carbon tetrachloride	U		0.0749	0.228	200	09/26/2017 20:54	WG1024797
Chlorobenzene	U		0.0484	0.228	200	09/26/2017 20:54	WG1024797
Chlorodibromomethane	U		0.0852	0.228	200	09/26/2017 20:54	WG1024797
Chloroethane	U		0.216	1.14	200	09/26/2017 20:54	WG1024797
Chloroform	U		0.0523	1.14	200	09/26/2017 20:54	WG1024797
Chloromethane	U		0.0856	0.571	200	09/26/2017 20:54	WG1024797
2-Chlorotoluene	U		0.0687	0.228	200	09/26/2017 20:54	WG1024797
4-Chlorotoluene	U		0.0548	0.228	200	09/26/2017 20:54	WG1024797
1,2-Dibromo-3-Chloropropane	U		0.240	1.14	200	09/26/2017 20:54	WG1024797
1,2-Dibromoethane	U		0.0783	0.228	200	09/26/2017 20:54	WG1024797
Dibromomethane	U		0.0872	0.228	200	09/26/2017 20:54	WG1024797
1,2-Dichlorobenzene	U		0.0697	0.228	200	09/26/2017 20:54	WG1024797
1,3-Dichlorobenzene	U		0.0546	0.228	200	09/26/2017 20:54	WG1024797
1,4-Dichlorobenzene	U		0.0516	0.228	200	09/26/2017 20:54	WG1024797
Dichlorodifluoromethane	U		0.163	1.14	200	09/26/2017 20:54	WG1024797
1,1-Dichloroethane	U		0.0455	0.228	200	09/26/2017 20:54	WG1024797
1,2-Dichloroethane	U		0.0605	0.228	200	09/26/2017 20:54	WG1024797
1,1-Dichloroethene	U		0.0692	0.228	200	09/26/2017 20:54	WG1024797
cis-1,2-Dichloroethene	0.713		0.0537	0.228	200	09/26/2017 20:54	WG1024797
trans-1,2-Dichloroethene	U		0.0603	0.228	200	09/26/2017 20:54	WG1024797
1,2-Dichloropropane	U		0.0818	0.228	200	09/26/2017 20:54	WG1024797
1,1-Dichloropropene	U		0.0724	0.228	200	09/26/2017 20:54	WG1024797
1,3-Dichloropropane	U		0.0473	0.228	200	09/26/2017 20:54	WG1024797
cis-1,3-Dichloropropene	U		0.0598	0.228	200	09/26/2017 20:54	WG1024797
trans-1,3-Dichloropropene	U		0.0610	0.228	200	09/26/2017 20:54	WG1024797
trans-1,4-Dichloro-2-butene	U		0.178	0.571	200	09/26/2017 20:54	WG1024797
2,2-Dichloropropane	U		0.0637	0.228	200	09/26/2017 20:54	WG1024797
Di-isopropyl ether	U		0.0566	0.228	200	09/26/2017 20:54	WG1024797
Ethylbenzene	U		0.0678	0.228	200	09/26/2017 20:54	WG1024797
Hexachloro-1,3-butadiene	U		0.0781	0.228	200	09/26/2017 20:54	WG1024797
2-Hexanone	U		0.313	2.28	200	09/26/2017 20:54	WG1024797
n-Hexane	U		0.0662	2.28	200	09/26/2017 20:54	WG1024797
Iodomethane	U		0.578	2.28	200	09/26/2017 20:54	WG1024797
Isopropylbenzene	U		0.0555	0.228	200	09/26/2017 20:54	WG1024797
p-Isopropyltoluene	U		0.0466	0.228	200	09/26/2017 20:54	WG1024797
2-Butanone (MEK)	U		1.07	2.28	200	09/26/2017 20:54	WG1024797
Methylene Chloride	U		0.228	1.14	200	09/26/2017 20:54	WG1024797
4-Methyl-2-pentanone (MIBK)	U UJ	J0	0.429	2.28	200	09/26/2017 20:54	WG1024797

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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		0.0484	0.228	200	09/26/2017 20:54	WG1024797
Naphthalene	U		0.228	1.14	200	09/26/2017 20:54	WG1024797
n-Propylbenzene	U		0.0470	0.228	200	09/26/2017 20:54	WG1024797
Styrene	U		0.0534	0.228	200	09/26/2017 20:54	WG1024797
1,1,1,2-Tetrachloroethane	U		0.0603	0.228	200	09/26/2017 20:54	WG1024797
1,1,2,2-Tetrachloroethane	U		0.0834	0.228	200	09/26/2017 20:54	WG1024797
1,1,2-Trichlorotrifluoroethane	U		0.0834	0.228	200	09/26/2017 20:54	WG1024797
Tetrachloroethene	38.0		0.315	1.14	1000	10/02/2017 19:03	WG1024797
Toluene	U		0.0991	1.14	200	09/26/2017 20:54	WG1024797
1,2,3-Trichlorobenzene	U		0.0699	0.228	200	09/26/2017 20:54	WG1024797
1,2,4-Trichlorobenzene	U		0.0886	0.228	200	09/26/2017 20:54	WG1024797
1,1,1-Trichloroethane	U		0.0653	0.228	200	09/26/2017 20:54	WG1024797
1,1,2-Trichloroethane	U		0.0633	0.228	200	09/26/2017 20:54	WG1024797
Trichloroethene	0.453		0.0637	0.228	200	09/26/2017 20:54	WG1024797
Trichlorofluoromethane	U		0.0872	1.14	200	09/26/2017 20:54	WG1024797
1,2,3-Trichloropropane	U		0.169	0.571	200	09/26/2017 20:54	WG1024797
1,2,4-Trimethylbenzene	U		0.0482	0.228	200	09/26/2017 20:54	WG1024797
1,2,3-Trimethylbenzene	U		0.0655	0.228	200	09/26/2017 20:54	WG1024797
1,3,5-Trimethylbenzene	U		0.0608	0.228	200	09/26/2017 20:54	WG1024797
Vinyl acetate	U		0.546	2.28	200	09/26/2017 20:54	WG1024797
Vinyl chloride	U		0.0665	0.228	200	09/26/2017 20:54	WG1024797
Xylenes, Total	U		0.160	0.685	200	09/26/2017 20:54	WG1024797
(S) Toluene-d8	*102*			*80.0-120*		*10/02/2017 19:03*	WG1024797
(S) Toluene-d8	*103*			*80.0-120*		*09/26/2017 20:54*	WG1024797
(S) Dibromofluoromethane	*110*			*74.0-131*		*10/02/2017 19:03*	WG1024797
(S) Dibromofluoromethane	*112*			*74.0-131*		*09/26/2017 20:54*	WG1024797
(S) 4-Bromofluorobenzene	*98.9*			*64.0-132*		*09/26/2017 20:54*	WG1024797
(S) 4-Bromofluorobenzene	*98.6*			*64.0-132*		*10/02/2017 19:03*	WG1024797

Sample Narrative:

L938873-02 WG1024797: Target compounds too high to re-analyze at a lower dilution.

JC 10/18/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		275	1380	25000	10/02/2017 19:29	WG1024797
Acrylonitrile	U	UJ J0	49.3	275	25000	10/02/2017 19:29	WG1024797
Benzene	U		7.43	27.5	25000	10/02/2017 19:29	WG1024797
Bromobenzene	U		7.82	27.5	25000	10/02/2017 19:29	WG1024797
Bromodichloromethane	U		6.99	27.5	25000	10/02/2017 19:29	WG1024797
Bromochloromethane	U		10.7	138	25000	10/02/2017 19:29	WG1024797
Bromoform	U		11.7	27.5	25000	10/02/2017 19:29	WG1024797
Bromomethane	U		36.9	138	25000	10/02/2017 19:29	WG1024797
n-Butylbenzene	U		7.10	27.5	25000	10/02/2017 19:29	WG1024797
sec-Butylbenzene	U		5.53	27.5	25000	10/02/2017 19:29	WG1024797
tert-Butylbenzene	U		5.67	27.5	25000	10/02/2017 19:29	WG1024797
Carbon disulfide	U		6.08	27.5	25000	10/02/2017 19:29	WG1024797
Carbon tetrachloride	U		9.03	27.5	25000	10/02/2017 19:29	WG1024797
Chlorobenzene	U		5.84	27.5	25000	10/02/2017 19:29	WG1024797
Chlorodibromomethane	U		10.3	27.5	25000	10/02/2017 19:29	WG1024797
Chloroethane	U		26.0	138	25000	10/02/2017 19:29	WG1024797
Chloroform	U		6.30	138	25000	10/02/2017 19:29	WG1024797
Chloromethane	U		10.3	68.8	25000	10/02/2017 19:29	WG1024797
2-Chlorotoluene	U		8.28	27.5	25000	10/02/2017 19:29	WG1024797
4-Chlorotoluene	U		6.61	27.5	25000	10/02/2017 19:29	WG1024797
1,2-Dibromo-3-Chloropropane	U	UJ J0	28.8	138	25000	10/02/2017 19:29	WG1024797
1,2-Dibromoethane	U		9.45	27.5	25000	10/02/2017 19:29	WG1024797
Dibromomethane	U		10.5	27.5	25000	10/02/2017 19:29	WG1024797
1,2-Dichlorobenzene	U		8.39	27.5	25000	10/02/2017 19:29	WG1024797
1,3-Dichlorobenzene	U		6.58	27.5	25000	10/02/2017 19:29	WG1024797
1,4-Dichlorobenzene	U		6.22	27.5	25000	10/02/2017 19:29	WG1024797
Dichlorodifluoromethane	U		19.6	138	25000	10/02/2017 19:29	WG1024797
1,1-Dichloroethane	U		5.48	27.5	25000	10/02/2017 19:29	WG1024797
1,2-Dichloroethane	U		7.29	27.5	25000	10/02/2017 19:29	WG1024797
1,1-Dichloroethene	U		8.35	27.5	25000	10/02/2017 19:29	WG1024797
cis-1,2-Dichloroethene	U		6.47	27.5	25000	10/02/2017 19:29	WG1024797
trans-1,2-Dichloroethene	U		7.27	27.5	25000	10/02/2017 19:29	WG1024797
1,2-Dichloropropane	U		9.85	27.5	25000	10/02/2017 19:29	WG1024797
1,1-Dichloropropene	U		8.72	27.5	25000	10/02/2017 19:29	WG1024797
1,3-Dichloropropane	U		5.70	27.5	25000	10/02/2017 19:29	WG1024797
cis-1,3-Dichloropropene	U		7.21	27.5	25000	10/02/2017 19:29	WG1024797
trans-1,3-Dichloropropene	U		7.35	27.5	25000	10/02/2017 19:29	WG1024797
trans-1,4-Dichloro-2-butene	U		21.4	68.8	25000	10/02/2017 19:29	WG1024797
2,2-Dichloropropane	U		7.68	27.5	25000	10/02/2017 19:29	WG1024797
Di-isopropyl ether	U		6.83	27.5	25000	10/02/2017 19:29	WG1024797
Ethylbenzene	U		8.17	27.5	25000	10/02/2017 19:29	WG1024797
Hexachloro-1,3-butadiene	U		9.41	27.5	25000	10/02/2017 19:29	WG1024797
2-Hexanone	U		37.7	275	25000	10/02/2017 19:29	WG1024797
n-Hexane	U		7.98	275	25000	10/02/2017 19:29	WG1024797
Iodomethane	U		69.6	275	25000	10/02/2017 19:29	WG1024797
Isopropylbenzene	U		6.69	27.5	25000	10/02/2017 19:29	WG1024797
p-Isopropyltoluene	U		5.61	27.5	25000	10/02/2017 19:29	WG1024797
2-Butanone (MEK)	U		129	275	25000	10/02/2017 19:29	WG1024797
Methylene Chloride	U		27.5	138	25000	10/02/2017 19:29	WG1024797
4-Methyl-2-pentanone (MIBK)	U	UJ J0	51.7	275	25000	10/02/2017 19:29	WG1024797

JC 10/18/17

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methyl tert-butyl ether	U		5.84	27.5	25000	10/02/2017 19:29	WG1024797
Naphthalene	U		27.5	138	25000	10/02/2017 19:29	WG1024797
n-Propylbenzene	U		5.67	27.5	25000	10/02/2017 19:29	WG1024797
Styrene	U		6.44	27.5	25000	10/02/2017 19:29	WG1024797
1,1,1,2-Tetrachloroethane	U		7.27	27.5	25000	10/02/2017 19:29	WG1024797
1,1,2,2-Tetrachloroethane	U		10.0	27.5	25000	10/02/2017 19:29	WG1024797
1,1,2-Trichlorotrifluoroethane	U		10.0	27.5	25000	10/02/2017 19:29	WG1024797
Tetrachloroethene	5560		30.4	110	100000	10/03/2017 15:13	WG1024797
Toluene	U		11.9	138	25000	10/02/2017 19:29	WG1024797
1,2,3-Trichlorobenzene	U		8.42	27.5	25000	10/02/2017 19:29	WG1024797
1,2,4-Trichlorobenzene	U		10.7	27.5	25000	10/02/2017 19:29	WG1024797
1,1,1-Trichloroethane	U		7.87	27.5	25000	10/02/2017 19:29	WG1024797
1,1,2-Trichloroethane	U		7.62	27.5	25000	10/02/2017 19:29	WG1024797
Trichloroethene	U		7.68	27.5	25000	10/02/2017 19:29	WG1024797
Trichlorofluoromethane	U		10.5	138	25000	10/02/2017 19:29	WG1024797
1,2,3-Trichloropropane	U		20.4	68.8	25000	10/02/2017 19:29	WG1024797
1,2,4-Trimethylbenzene	U		5.81	27.5	25000	10/02/2017 19:29	WG1024797
1,2,3-Trimethylbenzene	U		7.90	27.5	25000	10/02/2017 19:29	WG1024797
1,3,5-Trimethylbenzene	U		7.32	27.5	25000	10/02/2017 19:29	WG1024797
Vinyl acetate	U		65.8	275	25000	10/02/2017 19:29	WG1024797
Vinyl chloride	U		8.01	27.5	25000	10/02/2017 19:29	WG1024797
Xylenes, Total	U		19.2	82.6	25000	10/02/2017 19:29	WG1024797
(S) Toluene-d8	*103*			*80.0-120*		*10/03/2017 15:13*	WG1024797
(S) Toluene-d8	*102*			*80.0-120*		*10/02/2017 19:29*	WG1024797
(S) Dibromofluoromethane	*91.8*			*74.0-131*		*10/03/2017 15:13*	WG1024797
(S) Dibromofluoromethane	*111*			*74.0-131*		*10/02/2017 19:29*	WG1024797
(S) 4-Bromofluorobenzene	*100*			*64.0-132*		*10/02/2017 19:29*	WG1024797
(S) 4-Bromofluorobenzene	*98.2*			*64.0-132*		*10/03/2017 15:13*	WG1024797

Sample Narrative:

L938873-03 WG1024797: Target compounds too high to re-analyze at a lower dilution.

JC 10/18/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	09/27/2017 15:46	WG1025104

Volatile Organic Compounds (GC/MS) 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	09/27/2017 01:27	WG1024909
Acrylonitrile	U		0.00204	0.0114	1	09/27/2017 01:27	WG1024909
Benzene	U		0.000308	0.00114	1	09/27/2017 01:27	WG1024909
Bromobenzene	U		0.000323	0.00114	1	09/27/2017 01:27	WG1024909
Bromodichloromethane	U		0.000289	0.00114	1	09/27/2017 01:27	WG1024909
Bromochloromethane	U		0.000444	0.00569	1	09/27/2017 01:27	WG1024909
Bromoform	U		0.000483	0.00114	1	09/27/2017 01:27	WG1024909
Bromomethane	U		0.00153	0.00569	1	09/27/2017 01:27	WG1024909
n-Butylbenzene	U		0.000294	0.00114	1	09/27/2017 01:27	WG1024909
sec-Butylbenzene	U		0.000229	0.00114	1	09/27/2017 01:27	WG1024909
tert-Butylbenzene	U		0.000235	0.00114	1	09/27/2017 01:27	WG1024909
Carbon disulfide	U		0.000252	0.00114	1	09/27/2017 01:27	WG1024909
Carbon tetrachloride	U		0.000374	0.00114	1	09/27/2017 01:27	WG1024909
Chlorobenzene	U		0.000241	0.00114	1	09/27/2017 01:27	WG1024909
Chlorodibromomethane	U		0.000425	0.00114	1	09/27/2017 01:27	WG1024909
Chloroethane	0.00151	J J	0.00108	0.00569	1	09/27/2017 01:27	WG1024909
Chloroform	U		0.000261	0.00569	1	09/27/2017 01:27	WG1024909
Chloromethane	U		0.000427	0.00285	1	09/27/2017 01:27	WG1024909
2-Chlorotoluene	U		0.000343	0.00114	1	09/27/2017 01:27	WG1024909
4-Chlorotoluene	U		0.000273	0.00114	1	09/27/2017 01:27	WG1024909
1,2-Dibromo-3-Chloropropane	U		0.00120	0.00569	1	09/27/2017 01:27	WG1024909
1,2-Dibromoethane	U		0.000391	0.00114	1	09/27/2017 01:27	WG1024909
Dibromomethane	U		0.000435	0.00114	1	09/27/2017 01:27	WG1024909
1,2-Dichlorobenzene	U		0.000347	0.00114	1	09/27/2017 01:27	WG1024909
1,3-Dichlorobenzene	U		0.000272	0.00114	1	09/27/2017 01:27	WG1024909
1,4-Dichlorobenzene	U		0.000257	0.00114	1	09/27/2017 01:27	WG1024909
Dichlorodifluoromethane	U		0.000812	0.00569	1	09/27/2017 01:27	WG1024909
1,1-Dichloroethane	U		0.000227	0.00114	1	09/27/2017 01:27	WG1024909
1,2-Dichloroethane	U		0.000302	0.00114	1	09/27/2017 01:27	WG1024909
1,1-Dichloroethene	U		0.000345	0.00114	1	09/27/2017 01:27	WG1024909
cis-1,2-Dichloroethene	0.0914		0.000268	0.00114	1	09/27/2017 01:27	WG1024909
trans-1,2-Dichloroethene	0.000883	J J	0.000301	0.00114	1	09/27/2017 01:27	WG1024909
1,2-Dichloropropane	U		0.000408	0.00114	1	09/27/2017 01:27	WG1024909
1,1-Dichloropropene	U		0.000361	0.00114	1	09/27/2017 01:27	WG1024909
1,3-Dichloropropane	U		0.000236	0.00114	1	09/27/2017 01:27	WG1024909
cis-1,3-Dichloropropene	U		0.000298	0.00114	1	09/27/2017 01:27	WG1024909
trans-1,3-Dichloropropene	U		0.000304	0.00114	1	09/27/2017 01:27	WG1024909
trans-1,4-Dichloro-2-butene	U		0.000886	0.00285	1	09/27/2017 01:27	WG1024909
2,2-Dichloropropane	U		0.000318	0.00114	1	09/27/2017 01:27	WG1024909
Di-isopropyl ether	U		0.000282	0.00114	1	09/27/2017 01:27	WG1024909
Ethylbenzene	U		0.000338	0.00114	1	09/27/2017 01:27	WG1024909
Hexachloro-1,3-butadiene	U		0.000390	0.00114	1	09/27/2017 01:27	WG1024909
2-Hexanone	U		0.00156	0.0114	1	09/27/2017 01:27	WG1024909
n-Hexane	U		0.000330	0.0114	1	09/27/2017 01:27	WG1024909
Iodomethane	U		0.00288	0.0114	1	09/27/2017 01:27	WG1024909
Isopropylbenzene	U		0.000277	0.00114	1	09/27/2017 01:27	WG1024909
p-Isopropyltoluene	U		0.000232	0.00114	1	09/27/2017 01:27	WG1024909
2-Butanone (MEK)	U		0.00533	0.0114	1	09/27/2017 01:27	WG1024909
Methylene Chloride	U		0.00114	0.00569	1	09/27/2017 01:27	WG1024909
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0114	1	09/27/2017 01:27	WG1024909

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

Analyte	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	09/27/2017 01:27	WG1024909
Naphthalene	U		0.00114	0.00569	1	09/27/2017 01:27	WG1024909
n-Propylbenzene	U		0.000235	0.00114	1	09/27/2017 01:27	WG1024909
Styrene	U		0.000267	0.00114	1	09/27/2017 01:27	WG1024909
1,1,1,2-Tetrachloroethane	U		0.000301	0.00114	1	09/27/2017 01:27	WG1024909
1,1,2,2-Tetrachloroethane	U		0.000416	0.00114	1	09/27/2017 01:27	WG1024909
1,1,2-Trichlorotrifluoroethane	U		0.000416	0.00114	1	09/27/2017 01:27	WG1024909
Tetrachloroethene	4.68		0.0314	0.114	100	09/28/2017 20:38	WG1024909
Toluene	U		0.000494	0.00569	1	09/27/2017 01:27	WG1024909
1,2,3-Trichlorobenzene	U		0.000349	0.00114	1	09/27/2017 01:27	WG1024909
1,2,4-Trichlorobenzene	U		0.000442	0.00114	1	09/27/2017 01:27	WG1024909
1,1,1-Trichloroethane	U		0.000326	0.00114	1	09/27/2017 01:27	WG1024909
1,1,2-Trichloroethane	U		0.000315	0.00114	1	09/27/2017 01:27	WG1024909
Trichloroethene	0.0228		0.000318	0.00114	1	09/27/2017 01:27	WG1024909
Trichlorofluoromethane	U		0.000435	0.00569	1	09/27/2017 01:27	WG1024909
1,2,3-Trichloropropane	U		0.000844	0.00285	1	09/27/2017 01:27	WG1024909
1,2,4-Trimethylbenzene	U		0.0240	0.114	100	09/28/2017 20:38	WG1024909
1,2,3-Trimethylbenzene	U		0.000327	0.00114	1	09/27/2017 01:27	WG1024909
1,3,5-Trimethylbenzene	U		0.000303	0.00114	1	09/27/2017 01:27	WG1024909
Vinyl acetate	U		0.00272	0.0114	1	09/27/2017 01:27	WG1024909
Vinyl chloride	0.00775		0.000331	0.00114	1	09/27/2017 01:27	WG1024909
Xylenes, Total	U		0.000795	0.00342	1	09/27/2017 01:27	WG1024909
(S) Toluene-d8	*107*			*80.0-120*		*09/28/2017 20:38*	WG1024909
(S) Toluene-d8	*110*			*80.0-120*		*09/27/2017 01:27*	WG1024909
(S) Dibromofluoromethane	*96.5*			*74.0-131*		*09/28/2017 20:38*	WG1024909
(S) Dibromofluoromethane	*104*			*74.0-131*		*09/27/2017 01:27*	WG1024909
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*09/27/2017 01:27*	WG1024909
(S) 4-Bromofluorobenzene	*103*			*64.0-132*		*09/28/2017 20:38*	WG1024909

Sample Narrative:

L938873-04 WG1024909: Target compounds too high to re-analyze at a lower dilution.

JC 10/18/17

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.1		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0138 J	J	0.0116	0.0581	1	09/27/2017 01:47	WG1024909
Acrylonitrile	U		0.00208	0.0116	1	09/27/2017 01:47	WG1024909
Benzene	U		0.000314	0.00116	1	09/27/2017 01:47	WG1024909
Bromobenzene	U		0.000330	0.00116	1	09/27/2017 01:47	WG1024909
Bromodichloromethane	U		0.000295	0.00116	1	09/27/2017 01:47	WG1024909
Bromochloromethane	U		0.000453	0.00581	1	09/27/2017 01:47	WG1024909
Bromoform	U		0.000492	0.00116	1	09/27/2017 01:47	WG1024909
Bromomethane	U		0.00156	0.00581	1	09/27/2017 01:47	WG1024909
n-Butylbenzene	U		0.000300	0.00116	1	09/27/2017 01:47	WG1024909
sec-Butylbenzene	U		0.000233	0.00116	1	09/27/2017 01:47	WG1024909
tert-Butylbenzene	U		0.000239	0.00116	1	09/27/2017 01:47	WG1024909
Carbon disulfide	0.00113 J	J	0.000257	0.00116	1	09/27/2017 01:47	WG1024909
Carbon tetrachloride	U		0.000381	0.00116	1	09/27/2017 01:47	WG1024909
Chlorobenzene	U		0.000246	0.00116	1	09/27/2017 01:47	WG1024909
Chlorodibromomethane	U		0.000433	0.00116	1	09/27/2017 01:47	WG1024909
Chloroethane	U		0.00110	0.00581	1	09/27/2017 01:47	WG1024909
Chloroform	U		0.000266	0.00581	1	09/27/2017 01:47	WG1024909
Chloromethane	U		0.000435	0.00290	1	09/27/2017 01:47	WG1024909
2-Chlorotoluene	U		0.000349	0.00116	1	09/27/2017 01:47	WG1024909
4-Chlorotoluene	U		0.000279	0.00116	1	09/27/2017 01:47	WG1024909
1,2-Dibromo-3-Chloropropane	U		0.00122	0.00581	1	09/27/2017 01:47	WG1024909
1,2-Dibromoethane	U		0.000398	0.00116	1	09/27/2017 01:47	WG1024909
Dibromomethane	U		0.000444	0.00116	1	09/27/2017 01:47	WG1024909
1,2-Dichlorobenzene	U		0.000354	0.00116	1	09/27/2017 01:47	WG1024909
1,3-Dichlorobenzene	U		0.000278	0.00116	1	09/27/2017 01:47	WG1024909
1,4-Dichlorobenzene	U		0.000262	0.00116	1	09/27/2017 01:47	WG1024909
Dichlorodifluoromethane	U		0.000828	0.00581	1	09/27/2017 01:47	WG1024909
1,1-Dichloroethane	U		0.000231	0.00116	1	09/27/2017 01:47	WG1024909
1,2-Dichloroethane	U		0.000308	0.00116	1	09/27/2017 01:47	WG1024909
1,1-Dichloroethene	U		0.000352	0.00116	1	09/27/2017 01:47	WG1024909
cis-1,2-Dichloroethene	0.00208		0.000273	0.00116	1	09/27/2017 01:47	WG1024909
trans-1,2-Dichloroethene	U		0.000307	0.00116	1	09/27/2017 01:47	WG1024909
1,2-Dichloropropane	U		0.000416	0.00116	1	09/27/2017 01:47	WG1024909
1,1-Dichloropropene	U		0.000368	0.00116	1	09/27/2017 01:47	WG1024909
1,3-Dichloropropane	U		0.000240	0.00116	1	09/27/2017 01:47	WG1024909
cis-1,3-Dichloropropene	U		0.000304	0.00116	1	09/27/2017 01:47	WG1024909
trans-1,3-Dichloropropene	U		0.000310	0.00116	1	09/27/2017 01:47	WG1024909
trans-1,4-Dichloro-2-butene	U		0.000903	0.00290	1	09/27/2017 01:47	WG1024909
2,2-Dichloropropane	U		0.000324	0.00116	1	09/27/2017 01:47	WG1024909
Di-isopropyl ether	U		0.000288	0.00116	1	09/27/2017 01:47	WG1024909
Ethylbenzene	U		0.000345	0.00116	1	09/27/2017 01:47	WG1024909
Hexachloro-1,3-butadiene	U		0.000397	0.00116	1	09/27/2017 01:47	WG1024909
2-Hexanone	U		0.00159	0.0116	1	09/27/2017 01:47	WG1024909
n-Hexane	U		0.000337	0.0116	1	09/27/2017 01:47	WG1024909
Iodomethane	U		0.00294	0.0116	1	09/27/2017 01:47	WG1024909
Isopropylbenzene	U		0.000282	0.00116	1	09/27/2017 01:47	WG1024909
p-Isopropyltoluene	U		0.000237	0.00116	1	09/27/2017 01:47	WG1024909
2-Butanone (MEK)	U		0.00543	0.0116	1	09/27/2017 01:47	WG1024909
Methylene Chloride	U		0.00116	0.00581	1	09/27/2017 01:47	WG1024909
4-Methyl-2-pentanone (MIBK)	U		0.00218	0.0116	1	09/27/2017 01:47	WG1024909

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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		0.000246	0.00116	1	09/27/2017 01:47	WG1024909
Naphthalene	U		0.00116	0.00581	1	09/27/2017 01:47	WG1024909
n-Propylbenzene	U		0.000239	0.00116	1	09/27/2017 01:47	WG1024909
Styrene	U		0.000272	0.00116	1	09/27/2017 01:47	WG1024909
1,1,1,2-Tetrachloroethane	U		0.000307	0.00116	1	09/27/2017 01:47	WG1024909
1,1,2,2-Tetrachloroethane	U		0.000424	0.00116	1	09/27/2017 01:47	WG1024909
1,1,2-Trichlorotrifluoroethane	U		0.000424	0.00116	1	09/27/2017 01:47	WG1024909
Tetrachloroethene	2.17	J	0.00801	0.0290	25	09/28/2017 20:58	WG1024909
Toluene	U		0.000504	0.00581	1	09/27/2017 01:47	WG1024909
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	09/27/2017 01:47	WG1024909
1,2,4-Trichlorobenzene	U		0.000451	0.00116	1	09/27/2017 01:47	WG1024909
1,1,1-Trichloroethane	U		0.000332	0.00116	1	09/27/2017 01:47	WG1024909
1,1,2-Trichloroethane	U		0.000322	0.00116	1	09/27/2017 01:47	WG1024909
Trichloroethene	0.00106	J	0.000324	0.00116	1	09/27/2017 01:47	WG1024909
Trichlorofluoromethane	U		0.000444	0.00581	1	09/27/2017 01:47	WG1024909
1,2,3-Trichloropropane	U		0.000860	0.00290	1	09/27/2017 01:47	WG1024909
1,2,4-Trimethylbenzene	U		0.000245	0.00116	1	09/27/2017 01:47	WG1024909
1,2,3-Trimethylbenzene	U		0.000333	0.00116	1	09/27/2017 01:47	WG1024909
1,3,5-Trimethylbenzene	U		0.000309	0.00116	1	09/27/2017 01:47	WG1024909
Vinyl acetate	U		0.00278	0.0116	1	09/27/2017 01:47	WG1024909
Vinyl chloride	U		0.000338	0.00116	1	09/27/2017 01:47	WG1024909
Xylenes, Total	U		0.000810	0.00348	1	09/27/2017 01:47	WG1024909
(S) Toluene-d8	*110*			*80.0-120*		*09/27/2017 01:47*	WG1024909
(S) Toluene-d8	*108*			*80.0-120*		*09/28/2017 20:58*	WG1024909
(S) Dibromofluoromethane	*103*			*74.0-131*		*09/27/2017 01:47*	WG1024909
(S) Dibromofluoromethane	*94.2*			*74.0-131*		*09/28/2017 20:58*	WG1024909
(S) 4-Bromofluorobenzene	*114*			*64.0-132*		*09/27/2017 01:47*	WG1024909
(S) 4-Bromofluorobenzene	*99.9*			*64.0-132*		*09/28/2017 20:58*	WG1024909

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Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	09/27/2017 15:46	WG1025104

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0107	0.0537	1	09/27/2017 02:06	WG1024909
Acrylonitrile	U		0.00192	0.0107	1	09/27/2017 02:06	WG1024909
Benzene	U		0.000290	0.00107	1	09/27/2017 02:06	WG1024909
Bromobenzene	U		0.000305	0.00107	1	09/27/2017 02:06	WG1024909
Bromodichloromethane	U		0.000273	0.00107	1	09/27/2017 02:06	WG1024909
Bromochloromethane	U		0.000419	0.00537	1	09/27/2017 02:06	WG1024909
Bromoform	U		0.000456	0.00107	1	09/27/2017 02:06	WG1024909
Bromomethane	U		0.00144	0.00537	1	09/27/2017 02:06	WG1024909
n-Butylbenzene	U		0.000277	0.00107	1	09/27/2017 02:06	WG1024909
sec-Butylbenzene	U		0.000216	0.00107	1	09/27/2017 02:06	WG1024909
tert-Butylbenzene	U		0.000221	0.00107	1	09/27/2017 02:06	WG1024909
Carbon disulfide	0.00100 J	J	0.000238	0.00107	1	09/27/2017 02:06	WG1024909
Carbon tetrachloride	U		0.000353	0.00107	1	09/27/2017 02:06	WG1024909
Chlorobenzene	U		0.000228	0.00107	1	09/27/2017 02:06	WG1024909
Chlorodibromomethane	U		0.000401	0.00107	1	09/27/2017 02:06	WG1024909
Chloroethane	U		0.00102	0.00537	1	09/27/2017 02:06	WG1024909
Chloroform	U		0.000246	0.00537	1	09/27/2017 02:06	WG1024909
Chloromethane	U		0.000403	0.00269	1	09/27/2017 02:06	WG1024909
2-Chlorotoluene	U		0.000323	0.00107	1	09/27/2017 02:06	WG1024909
4-Chlorotoluene	U		0.000258	0.00107	1	09/27/2017 02:06	WG1024909
1,2-Dibromo-3-Chloropropane	U		0.00113	0.00537	1	09/27/2017 02:06	WG1024909
1,2-Dibromoethane	U		0.000369	0.00107	1	09/27/2017 02:06	WG1024909
Dibromomethane	U		0.000411	0.00107	1	09/27/2017 02:06	WG1024909
1,2-Dichlorobenzene	U		0.000328	0.00107	1	09/27/2017 02:06	WG1024909
1,3-Dichlorobenzene	U		0.000257	0.00107	1	09/27/2017 02:06	WG1024909
1,4-Dichlorobenzene	U		0.000243	0.00107	1	09/27/2017 02:06	WG1024909
Dichlorodifluoromethane	U		0.000766	0.00537	1	09/27/2017 02:06	WG1024909
1,1-Dichloroethane	U		0.000214	0.00107	1	09/27/2017 02:06	WG1024909
1,2-Dichloroethane	U		0.000285	0.00107	1	09/27/2017 02:06	WG1024909
1,1-Dichloroethene	U		0.000326	0.00107	1	09/27/2017 02:06	WG1024909
cis-1,2-Dichloroethene	0.000728 J	J	0.000253	0.00107	1	09/27/2017 02:06	WG1024909
trans-1,2-Dichloroethene	U		0.000284	0.00107	1	09/27/2017 02:06	WG1024909
1,2-Dichloropropane	U		0.000385	0.00107	1	09/27/2017 02:06	WG1024909
1,1-Dichloropropene	U		0.000341	0.00107	1	09/27/2017 02:06	WG1024909
1,3-Dichloropropane	U		0.000222	0.00107	1	09/27/2017 02:06	WG1024909
cis-1,3-Dichloropropene	U		0.000282	0.00107	1	09/27/2017 02:06	WG1024909
trans-1,3-Dichloropropene	U		0.000287	0.00107	1	09/27/2017 02:06	WG1024909
trans-1,4-Dichloro-2-butene	U		0.000836	0.00269	1	09/27/2017 02:06	WG1024909
2,2-Dichloropropane	U		0.000300	0.00107	1	09/27/2017 02:06	WG1024909
Di-isopropyl ether	U		0.000267	0.00107	1	09/27/2017 02:06	WG1024909
Ethylbenzene	U		0.000319	0.00107	1	09/27/2017 02:06	WG1024909
Hexachloro-1,3-butadiene	U		0.000368	0.00107	1	09/27/2017 02:06	WG1024909
2-Hexanone	U		0.00147	0.0107	1	09/27/2017 02:06	WG1024909
n-Hexane	U		0.000312	0.0107	1	09/27/2017 02:06	WG1024909
Iodomethane	U		0.00272	0.0107	1	09/27/2017 02:06	WG1024909
Isopropylbenzene	U		0.000261	0.00107	1	09/27/2017 02:06	WG1024909
p-Isopropyltoluene	U		0.000219	0.00107	1	09/27/2017 02:06	WG1024909
2-Butanone (MEK)	U		0.00503	0.0107	1	09/27/2017 02:06	WG1024909
Methylene Chloride	U		0.00107	0.00537	1	09/27/2017 02:06	WG1024909
4-Methyl-2-pentanone (MIBK)	U		0.00202	0.0107	1	09/27/2017 02:06	WG1024909

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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	0.00107	1	09/27/2017 02:06	WG1024909
Naphthalene	U		0.00107	0.00537	1	09/27/2017 02:06	WG1024909
n-Propylbenzene	U		0.000221	0.00107	1	09/27/2017 02:06	WG1024909
Styrene	U		0.000251	0.00107	1	09/27/2017 02:06	WG1024909
1,1,1,2-Tetrachloroethane	U		0.000284	0.00107	1	09/27/2017 02:06	WG1024909
1,1,2,2-Tetrachloroethane	U		0.000392	0.00107	1	09/27/2017 02:06	WG1024909
1,1,2-Trichlorotrifluoroethane	U		0.000392	0.00107	1	09/27/2017 02:06	WG1024909
Tetrachloroethene	1.13 J		0.00742	0.0269	25	09/28/2017 21:18	WG1024909
Toluene	U		0.000466	0.00537	1	09/27/2017 02:06	WG1024909
1,2,3-Trichlorobenzene	U		0.000329	0.00107	1	09/27/2017 02:06	WG1024909
1,2,4-Trichlorobenzene	U		0.000417	0.00107	1	09/27/2017 02:06	WG1024909
1,1,1-Trichloroethane	U		0.000307	0.00107	1	09/27/2017 02:06	WG1024909
1,1,2-Trichloroethane	U		0.000298	0.00107	1	09/27/2017 02:06	WG1024909
Trichloroethene	0.000520 J	J	0.000300	0.00107	1	09/27/2017 02:06	WG1024909
Trichlorofluoromethane	U		0.000411	0.00537	1	09/27/2017 02:06	WG1024909
1,2,3-Trichloropropane	U		0.000796	0.00269	1	09/27/2017 02:06	WG1024909
1,2,4-Trimethylbenzene	U		0.000227	0.00107	1	09/27/2017 02:06	WG1024909
1,2,3-Trimethylbenzene	U		0.000308	0.00107	1	09/27/2017 02:06	WG1024909
1,3,5-Trimethylbenzene	U		0.000286	0.00107	1	09/27/2017 02:06	WG1024909
Vinyl acetate	U		0.00257	0.0107	1	09/27/2017 02:06	WG1024909
Vinyl chloride	U		0.000313	0.00107	1	09/27/2017 02:06	WG1024909
Xylenes, Total	U		0.000750	0.00322	1	09/27/2017 02:06	WG1024909
(S) Toluene-d8	*108*			*80.0-120*		*09/27/2017 02:06*	WG1024909
(S) Toluene-d8	*108*			*80.0-120*		*09/28/2017 21:18*	WG1024909
(S) Dibromofluoromethane	*107*			*74.0-131*		*09/27/2017 02:06*	WG1024909
(S) Dibromofluoromethane	*93.5*			*74.0-131*		*09/28/2017 21:18*	WG1024909
(S) 4-Bromofluorobenzene	*101*			*64.0-132*		*09/28/2017 21:18*	WG1024909
(S) 4-Bromofluorobenzene	*113*			*64.0-132*		*09/27/2017 02:06*	WG1024909

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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	2.11 U	B J J4	1.05	25.0	1	09/27/2017 19:51	WG1025164
Acrylonitrile	U		0.873	5.00	1	09/27/2017 19:51	WG1025164
Benzene	U		0.0896	0.500	1	09/27/2017 19:51	WG1025164
Bromobenzene	U		0.133	0.500	1	09/27/2017 19:51	WG1025164
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 19:51	WG1025164
Bromochloromethane	U		0.145	0.500	1	09/27/2017 19:51	WG1025164
Bromoform	U		0.186	0.500	1	09/27/2017 19:51	WG1025164
Bromomethane	U		0.157	2.50	1	09/27/2017 19:51	WG1025164
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 19:51	WG1025164
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 19:51	WG1025164
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 19:51	WG1025164
Carbon disulfide	U		0.101	0.500	1	09/27/2017 19:51	WG1025164
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 19:51	WG1025164
Chlorobenzene	U		0.140	0.500	1	09/27/2017 19:51	WG1025164
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 19:51	WG1025164
Chloroethane	U		0.141	2.50	1	09/27/2017 19:51	WG1025164
Chloroform	U		0.0860	0.500	1	09/27/2017 19:51	WG1025164
Chloromethane	0.754 J	J	0.153	1.25	1	09/27/2017 19:51	WG1025164
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 19:51	WG1025164
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 19:51	WG1025164
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 19:51	WG1025164
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 19:51	WG1025164
Dibromomethane	U		0.117	0.500	1	09/27/2017 19:51	WG1025164
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 19:51	WG1025164
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 19:51	WG1025164
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 19:51	WG1025164
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 19:51	WG1025164
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 19:51	WG1025164
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 19:51	WG1025164
1,1-Dichloroethene	0.226 J	J	0.188	0.500	1	09/27/2017 19:51	WG1025164
cis-1,2-Dichloroethene	0.477 J	J	0.0933	0.500	1	09/27/2017 19:51	WG1025164
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 19:51	WG1025164
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 19:51	WG1025164
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 19:51	WG1025164
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 19:51	WG1025164
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 19:51	WG1025164
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 19:51	WG1025164
trans-1,4-Dichloro-2-butene	U UJ	J0	0.257	5.00	1	09/27/2017 19:51	WG1025164
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 19:51	WG1025164
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 19:51	WG1025164
Ethylbenzene	U		0.158	0.500	1	09/27/2017 19:51	WG1025164
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/27/2017 19:51	WG1025164
2-Hexanone	U		0.757	5.00	1	09/27/2017 19:51	WG1025164
n-Hexane	U		0.305	5.00	1	09/27/2017 19:51	WG1025164
Iodomethane	U		0.377	10.0	1	09/27/2017 19:51	WG1025164
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 19:51	WG1025164
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 19:51	WG1025164
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 19:51	WG1025164
Methylene Chloride	U		1.07	2.50	1	09/27/2017 19:51	WG1025164
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 19:51	WG1025164
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 19:51	WG1025164
Naphthalene	U		0.174	2.50	1	09/27/2017 19:51	WG1025164
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 19:51	WG1025164
Styrene	U		0.117	0.500	1	09/27/2017 19:51	WG1025164
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 19:51	WG1025164
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 19:51	WG1025164

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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	09/27/2017 19:51	WG1025164
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 19:51	WG1025164
Toluene	U		0.412	0.500	1	09/27/2017 19:51	WG1025164
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 19:51	WG1025164
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 19:51	WG1025164
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 19:51	WG1025164
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 19:51	WG1025164
Trichloroethene	0.450 J	J	0.153	0.500	1	09/27/2017 19:51	WG1025164
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 19:51	WG1025164
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 19:51	WG1025164
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 19:51	WG1025164
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 19:51	WG1025164
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 19:51	WG1025164
Vinyl acetate	U		0.645	5.00	1	09/27/2017 19:51	WG1025164
Vinyl chloride	U		0.118	0.500	1	09/27/2017 19:51	WG1025164
Xylenes, Total	U		0.316	1.50	1	09/27/2017 19:51	WG1025164
(S) Toluene-d8	*104*			*80.0-120*		*09/27/2017 19:51*	WG1025164
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/27/2017 19:51*	WG1025164
(S) 4-Bromofluorobenzene	*89.4*			*80.0-120*		*09/27/2017 19:51*	WG1025164

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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	5.64	U	B J J4	5.25	125	5	09/27/2017 20:13	WG1025164
Acrylonitrile	U			4.36	25.0	5	09/27/2017 20:13	WG1025164
Benzene	U			0.448	2.50	5	09/27/2017 20:13	WG1025164
Bromobenzene	U			0.665	2.50	5	09/27/2017 20:13	WG1025164
Bromodichloromethane	U			0.400	2.50	5	09/27/2017 20:13	WG1025164
Bromochloromethane	U			0.725	2.50	5	09/27/2017 20:13	WG1025164
Bromoform	U			0.930	2.50	5	09/27/2017 20:13	WG1025164
Bromomethane	U			0.785	12.5	5	09/27/2017 20:13	WG1025164
n-Butylbenzene	U			0.715	2.50	5	09/27/2017 20:13	WG1025164
sec-Butylbenzene	U			0.670	2.50	5	09/27/2017 20:13	WG1025164
tert-Butylbenzene	U			0.915	2.50	5	09/27/2017 20:13	WG1025164
Carbon disulfide	U			0.505	2.50	5	09/27/2017 20:13	WG1025164
Carbon tetrachloride	U			0.795	2.50	5	09/27/2017 20:13	WG1025164
Chlorobenzene	U			0.700	2.50	5	09/27/2017 20:13	WG1025164
Chlorodibromomethane	U			0.640	2.50	5	09/27/2017 20:13	WG1025164
Chloroethane	U			0.705	12.5	5	09/27/2017 20:13	WG1025164
Chloroform	U			0.430	2.50	5	09/27/2017 20:13	WG1025164
Chloromethane	U			0.765	6.25	5	09/27/2017 20:13	WG1025164
2-Chlorotoluene	U			0.555	2.50	5	09/27/2017 20:13	WG1025164
4-Chlorotoluene	U			0.486	2.50	5	09/27/2017 20:13	WG1025164
1,2-Dibromo-3-Chloropropane	U			1.62	12.5	5	09/27/2017 20:13	WG1025164
1,2-Dibromoethane	U			0.965	2.50	5	09/27/2017 20:13	WG1025164
Dibromomethane	U			0.585	2.50	5	09/27/2017 20:13	WG1025164
1,2-Dichlorobenzene	U			0.505	2.50	5	09/27/2017 20:13	WG1025164
1,3-Dichlorobenzene	U			0.650	2.50	5	09/27/2017 20:13	WG1025164
1,4-Dichlorobenzene	U			0.605	2.50	5	09/27/2017 20:13	WG1025164
Dichlorodifluoromethane	U			0.635	12.5	5	09/27/2017 20:13	WG1025164
1,1-Dichloroethane	U			0.570	2.50	5	09/27/2017 20:13	WG1025164
1,2-Dichloroethane	U			0.540	2.50	5	09/27/2017 20:13	WG1025164
1,1-Dichloroethene	U			0.940	2.50	5	09/27/2017 20:13	WG1025164
cis-1,2-Dichloroethene	86.2			0.466	2.50	5	09/27/2017 20:13	WG1025164
trans-1,2-Dichloroethene	U			0.760	2.50	5	09/27/2017 20:13	WG1025164
1,2-Dichloropropane	U			0.950	2.50	5	09/27/2017 20:13	WG1025164
1,1-Dichloropropene	U			0.640	2.50	5	09/27/2017 20:13	WG1025164
1,3-Dichloropropane	U			0.735	5.00	5	09/27/2017 20:13	WG1025164
cis-1,3-Dichloropropene	U			0.488	2.50	5	09/27/2017 20:13	WG1025164
trans-1,3-Dichloropropene	U			1.11	2.50	5	09/27/2017 20:13	WG1025164
trans-1,4-Dichloro-2-butene	U	UJ	J0	1.28	25.0	5	09/27/2017 20:13	WG1025164
2,2-Dichloropropane	U			0.464	2.50	5	09/27/2017 20:13	WG1025164
Di-isopropyl ether	U			0.462	2.50	5	09/27/2017 20:13	WG1025164
Ethylbenzene	U			0.790	2.50	5	09/27/2017 20:13	WG1025164
Hexachloro-1,3-butadiene	U			0.785	5.00	5	09/27/2017 20:13	WG1025164
2-Hexanone	U			3.78	25.0	5	09/27/2017 20:13	WG1025164
n-Hexane	U			1.52	25.0	5	09/27/2017 20:13	WG1025164
Iodomethane	U			1.88	50.0	5	09/27/2017 20:13	WG1025164
Isopropylbenzene	U			0.630	2.50	5	09/27/2017 20:13	WG1025164
p-Isopropyltoluene	U			0.690	2.50	5	09/27/2017 20:13	WG1025164
2-Butanone (MEK)	U			6.40	25.0	5	09/27/2017 20:13	WG1025164
Methylene Chloride	U			5.35	12.5	5	09/27/2017 20:13	WG1025164
4-Methyl-2-pentanone (MIBK)	U			4.12	25.0	5	09/27/2017 20:13	WG1025164
Methyl tert-butyl ether	U			0.510	2.50	5	09/27/2017 20:13	WG1025164
Naphthalene	U			0.870	12.5	5	09/27/2017 20:13	WG1025164
n-Propylbenzene	U			0.810	2.50	5	09/27/2017 20:13	WG1025164
Styrene	U			0.585	2.50	5	09/27/2017 20:13	WG1025164
1,1,1,2-Tetrachloroethane	U			0.600	2.50	5	09/27/2017 20:13	WG1025164
1,1,2,2-Tetrachloroethane	U			0.650	2.50	5	09/27/2017 20:13	WG1025164

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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		0.820	2.50	5	09/27/2017 20:13	WG1025164
Tetrachloroethene	U		0.995	2.50	5	09/27/2017 20:13	WG1025164
Toluene	U		2.06	2.50	5	09/27/2017 20:13	WG1025164
1,2,3-Trichlorobenzene	U		0.820	2.50	5	09/27/2017 20:13	WG1025164
1,2,4-Trichlorobenzene	U		1.78	2.50	5	09/27/2017 20:13	WG1025164
1,1,1-Trichloroethane	U		0.470	2.50	5	09/27/2017 20:13	WG1025164
1,1,2-Trichloroethane	U		0.930	2.50	5	09/27/2017 20:13	WG1025164
Trichloroethene	U		0.765	2.50	5	09/27/2017 20:13	WG1025164
Trichlorofluoromethane	U		0.650	12.5	5	09/27/2017 20:13	WG1025164
1,2,3-Trichloropropane	U		1.24	12.5	5	09/27/2017 20:13	WG1025164
1,2,4-Trimethylbenzene	U		0.615	2.50	5	09/27/2017 20:13	WG1025164
1,2,3-Trimethylbenzene	U		0.370	2.50	5	09/27/2017 20:13	WG1025164
1,3,5-Trimethylbenzene	U		0.620	2.50	5	09/27/2017 20:13	WG1025164
Vinyl acetate	U		3.22	25.0	5	09/27/2017 20:13	WG1025164
Vinyl chloride	229		0.590	2.50	5	09/27/2017 20:13	WG1025164
Xylenes, Total	U		1.58	7.50	5	09/27/2017 20:13	WG1025164
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 20:13*	WG1025164
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/27/2017 20:13*	WG1025164
(S) 4-Bromofluorobenzene	*90.5*			*80.0-120*		*09/27/2017 20:13*	WG1025164

Sample Narrative:

L938873-08 WG1025164: Target compounds too high to re-analyze 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	4.56 U	B J J4	1.05	25.0	1	09/27/2017 20:35	WG1025164
Acrylonitrile	U		0.873	5.00	1	09/27/2017 20:35	WG1025164
Benzene	U		0.0896	0.500	1	09/27/2017 20:35	WG1025164
Bromobenzene	U		0.133	0.500	1	09/27/2017 20:35	WG1025164
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 20:35	WG1025164
Bromochloromethane	U		0.145	0.500	1	09/27/2017 20:35	WG1025164
Bromoform	U		0.186	0.500	1	09/27/2017 20:35	WG1025164
Bromomethane	U		0.157	2.50	1	09/27/2017 20:35	WG1025164
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 20:35	WG1025164
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 20:35	WG1025164
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 20:35	WG1025164
Carbon disulfide	U		0.101	0.500	1	09/27/2017 20:35	WG1025164
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 20:35	WG1025164
Chlorobenzene	U		0.140	0.500	1	09/27/2017 20:35	WG1025164
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 20:35	WG1025164
Chloroethane	U		0.141	2.50	1	09/27/2017 20:35	WG1025164
Chloroform	U		0.0860	0.500	1	09/27/2017 20:35	WG1025164
Chloromethane	2.07		0.153	1.25	1	09/27/2017 20:35	WG1025164
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 20:35	WG1025164
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 20:35	WG1025164
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 20:35	WG1025164
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 20:35	WG1025164
Dibromomethane	U		0.117	0.500	1	09/27/2017 20:35	WG1025164
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 20:35	WG1025164
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 20:35	WG1025164
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 20:35	WG1025164
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 20:35	WG1025164
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 20:35	WG1025164
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 20:35	WG1025164
1,1-Dichloroethene	U		0.188	0.500	1	09/27/2017 20:35	WG1025164
cis-1,2-Dichloroethene	0.345 J	J	0.0933	0.500	1	09/27/2017 20:35	WG1025164
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 20:35	WG1025164
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 20:35	WG1025164
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 20:35	WG1025164
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 20:35	WG1025164
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 20:35	WG1025164
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 20:35	WG1025164
trans-1,4-Dichloro-2-butene	U UJ	J0	0.257	5.00	1	09/27/2017 20:35	WG1025164
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 20:35	WG1025164
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 20:35	WG1025164
Ethylbenzene	U		0.158	0.500	1	09/27/2017 20:35	WG1025164
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/27/2017 20:35	WG1025164
2-Hexanone	U		0.757	5.00	1	09/27/2017 20:35	WG1025164
n-Hexane	U		0.305	5.00	1	09/27/2017 20:35	WG1025164
Iodomethane	U		0.377	10.0	1	09/27/2017 20:35	WG1025164
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 20:35	WG1025164
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 20:35	WG1025164
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 20:35	WG1025164
Methylene Chloride	U		1.07	2.50	1	09/27/2017 20:35	WG1025164
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 20:35	WG1025164
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 20:35	WG1025164
Naphthalene	U		0.174	2.50	1	09/27/2017 20:35	WG1025164
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 20:35	WG1025164
Styrene	U		0.117	0.500	1	09/27/2017 20:35	WG1025164
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 20:35	WG1025164
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 20:35	WG1025164

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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	09/27/2017 20:35	WG1025164
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 20:35	WG1025164
Toluene	0.941		0.412	0.500	1	09/27/2017 20:35	WG1025164
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 20:35	WG1025164
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 20:35	WG1025164
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 20:35	WG1025164
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 20:35	WG1025164
Trichloroethene	U		0.153	0.500	1	09/27/2017 20:35	WG1025164
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 20:35	WG1025164
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 20:35	WG1025164
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 20:35	WG1025164
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 20:35	WG1025164
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 20:35	WG1025164
Vinyl acetate	U		0.645	5.00	1	09/27/2017 20:35	WG1025164
Vinyl chloride	0.457	J	0.118	0.500	1	09/27/2017 20:35	WG1025164
Xylenes, Total	U		0.316	1.50	1	09/27/2017 20:35	WG1025164
(S) Toluene-d8	*104*			*80.0-120*		*09/27/2017 20:35*	WG1025164
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/27/2017 20:35*	WG1025164
(S) 4-Bromofluorobenzene	*88.9*			*80.0-120*		*09/27/2017 20:35*	WG1025164

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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	3.74 U	B J J4	1.05	25.0	1	09/27/2017 20:57	WG1025164
Acrylonitrile	U		0.873	5.00	1	09/27/2017 20:57	WG1025164
Benzene	U		0.0896	0.500	1	09/27/2017 20:57	WG1025164
Bromobenzene	U		0.133	0.500	1	09/27/2017 20:57	WG1025164
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 20:57	WG1025164
Bromochloromethane	U		0.145	0.500	1	09/27/2017 20:57	WG1025164
Bromoform	U		0.186	0.500	1	09/27/2017 20:57	WG1025164
Bromomethane	U		0.157	2.50	1	09/27/2017 20:57	WG1025164
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 20:57	WG1025164
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 20:57	WG1025164
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 20:57	WG1025164
Carbon disulfide	U		0.101	0.500	1	09/27/2017 20:57	WG1025164
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 20:57	WG1025164
Chlorobenzene	U		0.140	0.500	1	09/27/2017 20:57	WG1025164
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 20:57	WG1025164
Chloroethane	U		0.141	2.50	1	09/27/2017 20:57	WG1025164
Chloroform	U		0.0860	0.500	1	09/27/2017 20:57	WG1025164
Chloromethane	2.13		0.153	1.25	1	09/27/2017 20:57	WG1025164
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 20:57	WG1025164
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 20:57	WG1025164
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 20:57	WG1025164
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 20:57	WG1025164
Dibromomethane	U		0.117	0.500	1	09/27/2017 20:57	WG1025164
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 20:57	WG1025164
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 20:57	WG1025164
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 20:57	WG1025164
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 20:57	WG1025164
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 20:57	WG1025164
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 20:57	WG1025164
1,1-Dichloroethene	0.211 J	J	0.188	0.500	1	09/27/2017 20:57	WG1025164
cis-1,2-Dichloroethene	0.523		0.0933	0.500	1	09/27/2017 20:57	WG1025164
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 20:57	WG1025164
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 20:57	WG1025164
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 20:57	WG1025164
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 20:57	WG1025164
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 20:57	WG1025164
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 20:57	WG1025164
trans-1,4-Dichloro-2-butene	U UJ	J0	0.257	5.00	1	09/27/2017 20:57	WG1025164
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 20:57	WG1025164
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 20:57	WG1025164
Ethylbenzene	U		0.158	0.500	1	09/27/2017 20:57	WG1025164
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/27/2017 20:57	WG1025164
2-Hexanone	U		0.757	5.00	1	09/27/2017 20:57	WG1025164
n-Hexane	U		0.305	5.00	1	09/27/2017 20:57	WG1025164
Iodomethane	U		0.377	10.0	1	09/27/2017 20:57	WG1025164
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 20:57	WG1025164
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 20:57	WG1025164
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 20:57	WG1025164
Methylene Chloride	U		1.07	2.50	1	09/27/2017 20:57	WG1025164
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 20:57	WG1025164
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 20:57	WG1025164
Naphthalene	U		0.174	2.50	1	09/27/2017 20:57	WG1025164
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 20:57	WG1025164
Styrene	U		0.117	0.500	1	09/27/2017 20:57	WG1025164
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 20:57	WG1025164
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 20:57	WG1025164

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/27/2017 20:57	WG1025164
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 20:57	WG1025164
Toluene	U		0.412	0.500	1	09/27/2017 20:57	WG1025164
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 20:57	WG1025164
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 20:57	WG1025164
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 20:57	WG1025164
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 20:57	WG1025164
Trichloroethene	0.456 J	J	0.153	0.500	1	09/27/2017 20:57	WG1025164
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 20:57	WG1025164
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 20:57	WG1025164
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 20:57	WG1025164
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 20:57	WG1025164
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 20:57	WG1025164
Vinyl acetate	U		0.645	5.00	1	09/27/2017 20:57	WG1025164
Vinyl chloride	U		0.118	0.500	1	09/27/2017 20:57	WG1025164
Xylenes, Total	U		0.316	1.50	1	09/27/2017 20:57	WG1025164
(S) Toluene-d8	*104*			*80.0-120*		*09/27/2017 20:57*	WG1025164
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/27/2017 20:57*	WG1025164
(S) 4-Bromofluorobenzene	*89.3*			*80.0-120*		*09/27/2017 20:57*	WG1025164

JC 10/18/17

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	J4	1.05	25.0	1	09/27/2017 12:53	WG1025164	
Acrylonitrile	U		0.873	5.00	1	09/27/2017 12:53	WG1025164	
Benzene	U		0.0896	0.500	1	09/27/2017 12:53	WG1025164	
Bromobenzene	U		0.133	0.500	1	09/27/2017 12:53	WG1025164	
Bromodichloromethane	U		0.0800	0.500	1	09/27/2017 12:53	WG1025164	
Bromochloromethane	U		0.145	0.500	1	09/27/2017 12:53	WG1025164	
Bromoform	U		0.186	0.500	1	09/27/2017 12:53	WG1025164	
Bromomethane	U		0.157	2.50	1	09/27/2017 12:53	WG1025164	
n-Butylbenzene	U		0.143	0.500	1	09/27/2017 12:53	WG1025164	
sec-Butylbenzene	U		0.134	0.500	1	09/27/2017 12:53	WG1025164	
tert-Butylbenzene	U		0.183	0.500	1	09/27/2017 12:53	WG1025164	
Carbon disulfide	U		0.101	0.500	1	09/27/2017 12:53	WG1025164	
Carbon tetrachloride	U		0.159	0.500	1	09/27/2017 12:53	WG1025164	
Chlorobenzene	U		0.140	0.500	1	09/27/2017 12:53	WG1025164	
Chlorodibromomethane	U		0.128	0.500	1	09/27/2017 12:53	WG1025164	
Chloroethane	U		0.141	2.50	1	09/27/2017 12:53	WG1025164	
Chloroform	U		0.0860	0.500	1	09/27/2017 12:53	WG1025164	
Chloromethane	U		0.153	1.25	1	09/27/2017 12:53	WG1025164	
2-Chlorotoluene	U		0.111	0.500	1	09/27/2017 12:53	WG1025164	
4-Chlorotoluene	U		0.0972	0.500	1	09/27/2017 12:53	WG1025164	
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/27/2017 12:53	WG1025164	
1,2-Dibromoethane	U		0.193	0.500	1	09/27/2017 12:53	WG1025164	
Dibromomethane	U		0.117	0.500	1	09/27/2017 12:53	WG1025164	
1,2-Dichlorobenzene	U		0.101	0.500	1	09/27/2017 12:53	WG1025164	
1,3-Dichlorobenzene	U		0.130	0.500	1	09/27/2017 12:53	WG1025164	
1,4-Dichlorobenzene	U		0.121	0.500	1	09/27/2017 12:53	WG1025164	
Dichlorodifluoromethane	U		0.127	2.50	1	09/27/2017 12:53	WG1025164	
1,1-Dichloroethane	U		0.114	0.500	1	09/27/2017 12:53	WG1025164	
1,2-Dichloroethane	U		0.108	0.500	1	09/27/2017 12:53	WG1025164	
1,1-Dichloroethene	U		0.188	0.500	1	09/27/2017 12:53	WG1025164	
cis-1,2-Dichloroethene	U		0.0933	0.500	1	09/27/2017 12:53	WG1025164	
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/27/2017 12:53	WG1025164	
1,2-Dichloropropane	U		0.190	0.500	1	09/27/2017 12:53	WG1025164	
1,1-Dichloropropene	U		0.128	0.500	1	09/27/2017 12:53	WG1025164	
1,3-Dichloropropane	U		0.147	1.00	1	09/27/2017 12:53	WG1025164	
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/27/2017 12:53	WG1025164	
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/27/2017 12:53	WG1025164	
trans-1,4-Dichloro-2-butene	U	UJ J0	0.257	5.00	1	09/27/2017 12:53	WG1025164	
2,2-Dichloropropane	U		0.0929	0.500	1	09/27/2017 12:53	WG1025164	
Di-isopropyl ether	U		0.0924	0.500	1	09/27/2017 12:53	WG1025164	
Ethylbenzene	U		0.158	0.500	1	09/27/2017 12:53	WG1025164	
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/27/2017 12:53	WG1025164	
2-Hexanone	U		0.757	5.00	1	09/27/2017 12:53	WG1025164	
n-Hexane	U		0.305	5.00	1	09/27/2017 12:53	WG1025164	
Iodomethane	U		0.377	10.0	1	09/27/2017 12:53	WG1025164	
Isopropylbenzene	U		0.126	0.500	1	09/27/2017 12:53	WG1025164	
p-Isopropyltoluene	U		0.138	0.500	1	09/27/2017 12:53	WG1025164	
2-Butanone (MEK)	U		1.28	5.00	1	09/27/2017 12:53	WG1025164	
Methylene Chloride	U		1.07	2.50	1	09/27/2017 12:53	WG1025164	
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/27/2017 12:53	WG1025164	
Methyl tert-butyl ether	U		0.102	0.500	1	09/27/2017 12:53	WG1025164	
Naphthalene	U		0.174	2.50	1	09/27/2017 12:53	WG1025164	
n-Propylbenzene	U		0.162	0.500	1	09/27/2017 12:53	WG1025164	
Styrene	U		0.117	0.500	1	09/27/2017 12:53	WG1025164	
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/27/2017 12:53	WG1025164	
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/27/2017 12:53	WG1025164	JC 10/18/17

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/27/2017 12:53	WG1025164
Tetrachloroethene	U		0.199	0.500	1	09/27/2017 12:53	WG1025164
Toluene	U		0.412	0.500	1	09/27/2017 12:53	WG1025164
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/27/2017 12:53	WG1025164
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/27/2017 12:53	WG1025164
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/27/2017 12:53	WG1025164
1,1,2-Trichloroethane	U		0.186	0.500	1	09/27/2017 12:53	WG1025164
Trichloroethene	U		0.153	0.500	1	09/27/2017 12:53	WG1025164
Trichlorofluoromethane	U		0.130	2.50	1	09/27/2017 12:53	WG1025164
1,2,3-Trichloropropane	U		0.247	2.50	1	09/27/2017 12:53	WG1025164
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/27/2017 12:53	WG1025164
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/27/2017 12:53	WG1025164
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/27/2017 12:53	WG1025164
Vinyl acetate	U		0.645	5.00	1	09/27/2017 12:53	WG1025164
Vinyl chloride	U		0.118	0.500	1	09/27/2017 12:53	WG1025164
Xylenes, Total	U		0.316	1.50	1	09/27/2017 12:53	WG1025164
(S) Toluene-d8	*105*			*80.0-120*		*09/27/2017 12:53*	WG1025164
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/27/2017 12:53*	WG1025164
(S) 4-Bromofluorobenzene	*90.9*			*80.0-120*		*09/27/2017 12:53*	WG1025164

JC 10/18/17

ANALYTICAL REPORT

October 05, 2017

PES Environmental, Inc.- WA

Sample Delivery Group:	L939416
Samples Received:	09/27/2017
Project Number:	1413.001.02.602
Description:	MVSC
Site:	AMERICAM LINEN
Report To:	Bill Haldeman 1215 Fourth Ave., Suite 1350 Seattle, WA 98161

Entire Report Reviewed By:

Brian Ford

Technical Service Representative

TABLE OF CONTENTS

MW-139-092517 L939416-01 GW

Collected by: Karsten Springstead | Collected date/time: 09/25/17 12:00 | Received date/time: 09/27/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1026503	1	10/01/17 17:01	10/01/17 17:01	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025567	1	09/28/17 20:28	09/28/17 20:28	BMB

MW-132-092517 L939416-02 GW

Collected by: Karsten Springstead | Collected date/time: 09/25/17 13:00 | Received date/time: 09/27/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1026503	1	10/05/17 00:36	10/05/17 00:36	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025567	5	10/03/17 16:10	10/03/17 16:10	ACG

MW-135-092517 L939416-03 GW

Collected by: Karsten Springstead | Collected date/time: 09/25/17 14:00 | Received date/time: 09/27/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1026503	100	10/01/17 17:49	10/01/17 17:49	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025567	100	09/28/17 21:12	09/28/17 21:12	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025567	1000	10/03/17 16:32	10/03/17 16:32	ACG

MW-133-092517 L939416-04 GW

Collected by: Karsten Springstead | Collected date/time: 09/25/17 15:00 | Received date/time: 09/27/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1026503	1	10/05/17 00:58	10/05/17 00:58	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025567	1	10/03/17 16:55	10/03/17 16:55	ACG

MW-136-092517 L939416-05 GW

Collected by: Karsten Springstead | Collected date/time: 09/25/17 16:50 | Received date/time: 09/27/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1026503	1	10/05/17 01:21	10/05/17 01:21	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025567	1	10/03/17 17:16	10/03/17 17:16	ACG

MW-137-092517 L939416-06 GW

Collected by: Karsten Springstead | Collected date/time: 09/25/17 17:45 | Received date/time: 09/27/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1026503	1	10/05/17 01:43	10/05/17 01:43	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025567	1	10/03/17 17:38	10/03/17 17:38	ACG

EQ-092517 L939416-07 GW

Collected by: Karsten Springstead | Collected date/time: 09/25/17 18:15 | Received date/time: 09/27/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1026503	1	10/05/17 02:05	10/05/17 02:05	JAH
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1025567	1	10/03/17 17:59	10/03/17 17:59	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. 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) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	62.2	B J	31.6	100	1	10/01/2017 17:01	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*96.7*			*77.0-122*		*10/01/2017 17:01*	WG1026503

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	2.87	J J4	1.05	25.0	1	09/28/2017 20:28	WG1025567
Acrylonitrile	U		0.873	5.00	1	09/28/2017 20:28	WG1025567
Benzene	U		0.0896	0.500	1	09/28/2017 20:28	WG1025567
Bromobenzene	U		0.133	0.500	1	09/28/2017 20:28	WG1025567
Bromodichloromethane	U		0.0800	0.500	1	09/28/2017 20:28	WG1025567
Bromochloromethane	U		0.145	0.500	1	09/28/2017 20:28	WG1025567
Bromoform	U		0.186	0.500	1	09/28/2017 20:28	WG1025567
Bromomethane	U		0.157	2.50	1	09/28/2017 20:28	WG1025567
n-Butylbenzene	U		0.143	0.500	1	09/28/2017 20:28	WG1025567
sec-Butylbenzene	U		0.134	0.500	1	09/28/2017 20:28	WG1025567
tert-Butylbenzene	U		0.183	0.500	1	09/28/2017 20:28	WG1025567
Carbon disulfide	1.18		0.101	0.500	1	09/28/2017 20:28	WG1025567
Carbon tetrachloride	U		0.159	0.500	1	09/28/2017 20:28	WG1025567
Chlorobenzene	U		0.140	0.500	1	09/28/2017 20:28	WG1025567
Chlorodibromomethane	U		0.128	0.500	1	09/28/2017 20:28	WG1025567
Chloroethane	U		0.141	2.50	1	09/28/2017 20:28	WG1025567
Chloroform	1.33		0.0860	0.500	1	09/28/2017 20:28	WG1025567
Chloromethane	U		0.153	1.25	1	09/28/2017 20:28	WG1025567
2-Chlorotoluene	U		0.111	0.500	1	09/28/2017 20:28	WG1025567
4-Chlorotoluene	U		0.0972	0.500	1	09/28/2017 20:28	WG1025567
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/28/2017 20:28	WG1025567
1,2-Dibromoethane	U		0.193	0.500	1	09/28/2017 20:28	WG1025567
Dibromomethane	U		0.117	0.500	1	09/28/2017 20:28	WG1025567
1,2-Dichlorobenzene	U		0.101	0.500	1	09/28/2017 20:28	WG1025567
1,3-Dichlorobenzene	U		0.130	0.500	1	09/28/2017 20:28	WG1025567
1,4-Dichlorobenzene	U		0.121	0.500	1	09/28/2017 20:28	WG1025567
Dichlorodifluoromethane	U		0.127	2.50	1	09/28/2017 20:28	WG1025567
1,1-Dichloroethane	U		0.114	0.500	1	09/28/2017 20:28	WG1025567
1,2-Dichloroethane	U		0.108	0.500	1	09/28/2017 20:28	WG1025567
1,1-Dichloroethene	U		0.188	0.500	1	09/28/2017 20:28	WG1025567
cis-1,2-Dichloroethene	1.42		0.0933	0.500	1	09/28/2017 20:28	WG1025567
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/28/2017 20:28	WG1025567
1,2-Dichloropropane	U		0.190	0.500	1	09/28/2017 20:28	WG1025567
1,1-Dichloropropene	U		0.128	0.500	1	09/28/2017 20:28	WG1025567
1,3-Dichloropropane	U		0.147	1.00	1	09/28/2017 20:28	WG1025567
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/28/2017 20:28	WG1025567
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/28/2017 20:28	WG1025567
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	09/28/2017 20:28	WG1025567
2,2-Dichloropropane	U		0.0929	0.500	1	09/28/2017 20:28	WG1025567
Di-isopropyl ether	U		0.0924	0.500	1	09/28/2017 20:28	WG1025567
Ethylbenzene	U		0.158	0.500	1	09/28/2017 20:28	WG1025567
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/28/2017 20:28	WG1025567
2-Hexanone	U		0.757	5.00	1	09/28/2017 20:28	WG1025567
n-Hexane	U		0.305	5.00	1	09/28/2017 20:28	WG1025567
Iodomethane	U		0.377	10.0	1	09/28/2017 20:28	WG1025567
Isopropylbenzene	U		0.126	0.500	1	09/28/2017 20:28	WG1025567
p-Isopropyltoluene	U		0.138	0.500	1	09/28/2017 20:28	WG1025567
2-Butanone (MEK)	U		1.28	5.00	1	09/28/2017 20:28	WG1025567

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	1.10	J	1.07	2.50	1	09/28/2017 20:28	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/28/2017 20:28	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	09/28/2017 20:28	WG1025567
Naphthalene	U		0.174	2.50	1	09/28/2017 20:28	WG1025567
n-Propylbenzene	U		0.162	0.500	1	09/28/2017 20:28	WG1025567
Styrene	U		0.117	0.500	1	09/28/2017 20:28	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/28/2017 20:28	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/28/2017 20:28	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/28/2017 20:28	WG1025567
Tetrachloroethene	U		0.199	0.500	1	09/28/2017 20:28	WG1025567
Toluene	0.516		0.412	0.500	1	09/28/2017 20:28	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/28/2017 20:28	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/28/2017 20:28	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/28/2017 20:28	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	09/28/2017 20:28	WG1025567
Trichloroethene	U		0.153	0.500	1	09/28/2017 20:28	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	09/28/2017 20:28	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	09/28/2017 20:28	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/28/2017 20:28	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/28/2017 20:28	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/28/2017 20:28	WG1025567
Vinyl acetate	U		0.645	5.00	1	09/28/2017 20:28	WG1025567
Vinyl chloride	0.246	J J4	0.118	0.500	1	09/28/2017 20:28	WG1025567
Xylenes, Total	U		0.316	1.50	1	09/28/2017 20:28	WG1025567
(S) Toluene-d8	*105*			*80.0-120*		*09/28/2017 20:28*	WG1025567
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/28/2017 20:28*	WG1025567
(S) 4-Bromofluorobenzene	*88.5*			*80.0-120*		*09/28/2017 20:28*	WG1025567

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	95.9	B J	31.6	100	1	10/05/2017 00:36	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*92.6*			*77.0-122*		*10/05/2017 00:36*	WG1026503

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	5.91	J J0 J4	5.25	125	5	10/03/2017 16:10	WG1025567
Acrylonitrile	U		4.36	25.0	5	10/03/2017 16:10	WG1025567
Benzene	U		0.448	2.50	5	10/03/2017 16:10	WG1025567
Bromobenzene	U		0.665	2.50	5	10/03/2017 16:10	WG1025567
Bromodichloromethane	U		0.400	2.50	5	10/03/2017 16:10	WG1025567
Bromochloromethane	U		0.725	2.50	5	10/03/2017 16:10	WG1025567
Bromoform	U		0.930	2.50	5	10/03/2017 16:10	WG1025567
Bromomethane	U		0.785	12.5	5	10/03/2017 16:10	WG1025567
n-Butylbenzene	U		0.715	2.50	5	10/03/2017 16:10	WG1025567
sec-Butylbenzene	U		0.670	2.50	5	10/03/2017 16:10	WG1025567
tert-Butylbenzene	U		0.915	2.50	5	10/03/2017 16:10	WG1025567
Carbon disulfide	U		0.505	2.50	5	10/03/2017 16:10	WG1025567
Carbon tetrachloride	U		0.795	2.50	5	10/03/2017 16:10	WG1025567
Chlorobenzene	U		0.700	2.50	5	10/03/2017 16:10	WG1025567
Chlorodibromomethane	U		0.640	2.50	5	10/03/2017 16:10	WG1025567
Chloroethane	U		0.705	12.5	5	10/03/2017 16:10	WG1025567
Chloroform	U		0.430	2.50	5	10/03/2017 16:10	WG1025567
Chloromethane	U		0.765	6.25	5	10/03/2017 16:10	WG1025567
2-Chlorotoluene	U		0.555	2.50	5	10/03/2017 16:10	WG1025567
4-Chlorotoluene	U		0.486	2.50	5	10/03/2017 16:10	WG1025567
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	10/03/2017 16:10	WG1025567
1,2-Dibromoethane	U		0.965	2.50	5	10/03/2017 16:10	WG1025567
Dibromomethane	U		0.585	2.50	5	10/03/2017 16:10	WG1025567
1,2-Dichlorobenzene	U		0.505	2.50	5	10/03/2017 16:10	WG1025567
1,3-Dichlorobenzene	U		0.650	2.50	5	10/03/2017 16:10	WG1025567
1,4-Dichlorobenzene	U		0.605	2.50	5	10/03/2017 16:10	WG1025567
Dichlorodifluoromethane	U		0.635	12.5	5	10/03/2017 16:10	WG1025567
1,1-Dichloroethane	U		0.570	2.50	5	10/03/2017 16:10	WG1025567
1,2-Dichloroethane	U		0.540	2.50	5	10/03/2017 16:10	WG1025567
1,1-Dichloroethene	U		0.940	2.50	5	10/03/2017 16:10	WG1025567
cis-1,2-Dichloroethene	196		0.466	2.50	5	10/03/2017 16:10	WG1025567
trans-1,2-Dichloroethene	U		0.760	2.50	5	10/03/2017 16:10	WG1025567
1,2-Dichloropropane	U		0.950	2.50	5	10/03/2017 16:10	WG1025567
1,1-Dichloropropene	U		0.640	2.50	5	10/03/2017 16:10	WG1025567
1,3-Dichloropropane	U		0.735	5.00	5	10/03/2017 16:10	WG1025567
cis-1,3-Dichloropropene	U		0.488	2.50	5	10/03/2017 16:10	WG1025567
trans-1,3-Dichloropropene	U		1.11	2.50	5	10/03/2017 16:10	WG1025567
trans-1,4-Dichloro-2-butene	U	J0 J4	1.28	25.0	5	10/03/2017 16:10	WG1025567
2,2-Dichloropropane	U		0.464	2.50	5	10/03/2017 16:10	WG1025567
Di-isopropyl ether	U		0.462	2.50	5	10/03/2017 16:10	WG1025567
Ethylbenzene	U		0.790	2.50	5	10/03/2017 16:10	WG1025567
Hexachloro-1,3-butadiene	U		0.785	5.00	5	10/03/2017 16:10	WG1025567
2-Hexanone	U		3.78	25.0	5	10/03/2017 16:10	WG1025567
n-Hexane	U		1.52	25.0	5	10/03/2017 16:10	WG1025567
Iodomethane	U		1.88	50.0	5	10/03/2017 16:10	WG1025567
Isopropylbenzene	U		0.630	2.50	5	10/03/2017 16:10	WG1025567
p-Isopropyltoluene	U		0.690	2.50	5	10/03/2017 16:10	WG1025567
2-Butanone (MEK)	U		6.40	25.0	5	10/03/2017 16:10	WG1025567

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		5.35	12.5	5	10/03/2017 16:10	WG1025567
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	10/03/2017 16:10	WG1025567
Methyl tert-butyl ether	U		0.510	2.50	5	10/03/2017 16:10	WG1025567
Naphthalene	U		0.870	12.5	5	10/03/2017 16:10	WG1025567
n-Propylbenzene	U		0.810	2.50	5	10/03/2017 16:10	WG1025567
Styrene	U		0.585	2.50	5	10/03/2017 16:10	WG1025567
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	10/03/2017 16:10	WG1025567
1,1,2,2-Tetrachloroethane	U		0.650	2.50	5	10/03/2017 16:10	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	10/03/2017 16:10	WG1025567
Tetrachloroethene	U		0.995	2.50	5	10/03/2017 16:10	WG1025567
Toluene	U		2.06	2.50	5	10/03/2017 16:10	WG1025567
1,2,3-Trichlorobenzene	U		0.820	2.50	5	10/03/2017 16:10	WG1025567
1,2,4-Trichlorobenzene	U		1.78	2.50	5	10/03/2017 16:10	WG1025567
1,1,1-Trichloroethane	U		0.470	2.50	5	10/03/2017 16:10	WG1025567
1,1,2-Trichloroethane	U		0.930	2.50	5	10/03/2017 16:10	WG1025567
Trichloroethene	1.95	J	0.765	2.50	5	10/03/2017 16:10	WG1025567
Trichlorofluoromethane	U		0.650	12.5	5	10/03/2017 16:10	WG1025567
1,2,3-Trichloropropane	U		1.24	12.5	5	10/03/2017 16:10	WG1025567
1,2,4-Trimethylbenzene	U		0.615	2.50	5	10/03/2017 16:10	WG1025567
1,2,3-Trimethylbenzene	U		0.370	2.50	5	10/03/2017 16:10	WG1025567
1,3,5-Trimethylbenzene	U		0.620	2.50	5	10/03/2017 16:10	WG1025567
Vinyl acetate	U		3.22	25.0	5	10/03/2017 16:10	WG1025567
Vinyl chloride	1.76	J J4	0.590	2.50	5	10/03/2017 16:10	WG1025567
Xylenes, Total	U		1.58	7.50	5	10/03/2017 16:10	WG1025567
(S) Toluene-d8	*104*			*80.0-120*		*10/03/2017 16:10*	WG1025567
(S) Dibromofluoromethane	*103*			*76.0-123*		*10/03/2017 16:10*	WG1025567
(S) 4-Bromofluorobenzene	*91.8*			*80.0-120*		*10/03/2017 16:10*	WG1025567

Sample Narrative:

L939416-02 WG1025567: 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	10900	B	3160	10000	100	10/01/2017 17:49	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-122*		*10/01/2017 17:49*	WG1026503

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	J4	105	2500	100	09/28/2017 21:12	WG1025567
Acrylonitrile	U		87.3	500	100	09/28/2017 21:12	WG1025567
Benzene	U		8.96	50.0	100	09/28/2017 21:12	WG1025567
Bromobenzene	U		13.3	50.0	100	09/28/2017 21:12	WG1025567
Bromodichloromethane	U		8.00	50.0	100	09/28/2017 21:12	WG1025567
Bromochloromethane	U		14.5	50.0	100	09/28/2017 21:12	WG1025567
Bromoform	U		18.6	50.0	100	09/28/2017 21:12	WG1025567
Bromomethane	U		15.7	250	100	09/28/2017 21:12	WG1025567
n-Butylbenzene	U		14.3	50.0	100	09/28/2017 21:12	WG1025567
sec-Butylbenzene	U		13.4	50.0	100	09/28/2017 21:12	WG1025567
tert-Butylbenzene	U		18.3	50.0	100	09/28/2017 21:12	WG1025567
Carbon disulfide	U		10.1	50.0	100	09/28/2017 21:12	WG1025567
Carbon tetrachloride	U		15.9	50.0	100	09/28/2017 21:12	WG1025567
Chlorobenzene	U		14.0	50.0	100	09/28/2017 21:12	WG1025567
Chlorodibromomethane	U		12.8	50.0	100	09/28/2017 21:12	WG1025567
Chloroethane	U		14.1	250	100	09/28/2017 21:12	WG1025567
Chloroform	U		8.60	50.0	100	09/28/2017 21:12	WG1025567
Chloromethane	U		15.3	125	100	09/28/2017 21:12	WG1025567
2-Chlorotoluene	U		11.1	50.0	100	09/28/2017 21:12	WG1025567
4-Chlorotoluene	U		9.72	50.0	100	09/28/2017 21:12	WG1025567
1,2-Dibromo-3-Chloropropane	U		32.5	250	100	09/28/2017 21:12	WG1025567
1,2-Dibromoethane	U		19.3	50.0	100	09/28/2017 21:12	WG1025567
Dibromomethane	U		11.7	50.0	100	09/28/2017 21:12	WG1025567
1,2-Dichlorobenzene	U		10.1	50.0	100	09/28/2017 21:12	WG1025567
1,3-Dichlorobenzene	U		13.0	50.0	100	09/28/2017 21:12	WG1025567
1,4-Dichlorobenzene	U		12.1	50.0	100	09/28/2017 21:12	WG1025567
Dichlorodifluoromethane	U		12.7	250	100	09/28/2017 21:12	WG1025567
1,1-Dichloroethane	U		11.4	50.0	100	09/28/2017 21:12	WG1025567
1,2-Dichloroethane	U		10.8	50.0	100	09/28/2017 21:12	WG1025567
1,1-Dichloroethene	87.2		18.8	50.0	100	09/28/2017 21:12	WG1025567
cis-1,2-Dichloroethene	16100		93.3	500	1000	10/03/2017 16:32	WG1025567
trans-1,2-Dichloroethene	U		15.2	50.0	100	09/28/2017 21:12	WG1025567
1,2-Dichloropropane	U		19.0	50.0	100	09/28/2017 21:12	WG1025567
1,1-Dichloropropene	U		12.8	50.0	100	09/28/2017 21:12	WG1025567
1,3-Dichloropropane	U		14.7	100	100	09/28/2017 21:12	WG1025567
cis-1,3-Dichloropropene	U		9.76	50.0	100	09/28/2017 21:12	WG1025567
trans-1,3-Dichloropropene	U		22.2	50.0	100	09/28/2017 21:12	WG1025567
trans-1,4-Dichloro-2-butene	U	J0 J4	25.7	500	100	09/28/2017 21:12	WG1025567
2,2-Dichloropropane	U		9.29	50.0	100	09/28/2017 21:12	WG1025567
Di-isopropyl ether	U		9.24	50.0	100	09/28/2017 21:12	WG1025567
Ethylbenzene	U		15.8	50.0	100	09/28/2017 21:12	WG1025567
Hexachloro-1,3-butadiene	U		15.7	100	100	09/28/2017 21:12	WG1025567
2-Hexanone	U		75.7	500	100	09/28/2017 21:12	WG1025567
n-Hexane	U		30.5	500	100	09/28/2017 21:12	WG1025567
Iodomethane	U		37.7	1000	100	09/28/2017 21:12	WG1025567
Isopropylbenzene	U		12.6	50.0	100	09/28/2017 21:12	WG1025567
p-Isopropyltoluene	U		13.8	50.0	100	09/28/2017 21:12	WG1025567
2-Butanone (MEK)	U		128	500	100	09/28/2017 21:12	WG1025567

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	
Methylene Chloride	U		107	250	100	09/28/2017 21:12	WG1025567
4-Methyl-2-pentanone (MIBK)	U		82.3	500	100	09/28/2017 21:12	WG1025567
Methyl tert-butyl ether	U		10.2	50.0	100	09/28/2017 21:12	WG1025567
Naphthalene	U		17.4	250	100	09/28/2017 21:12	WG1025567
n-Propylbenzene	U		16.2	50.0	100	09/28/2017 21:12	WG1025567
Styrene	U		11.7	50.0	100	09/28/2017 21:12	WG1025567
1,1,1,2-Tetrachloroethane	U		12.0	50.0	100	09/28/2017 21:12	WG1025567
1,1,2,2-Tetrachloroethane	U		13.0	50.0	100	09/28/2017 21:12	WG1025567
1,1,2-Trichlorotrifluoroethane	U		16.4	50.0	100	09/28/2017 21:12	WG1025567
Tetrachloroethene	10400		19.9	50.0	100	09/28/2017 21:12	WG1025567
Toluene	U		41.2	50.0	100	09/28/2017 21:12	WG1025567
1,2,3-Trichlorobenzene	U		16.4	50.0	100	09/28/2017 21:12	WG1025567
1,2,4-Trichlorobenzene	U		35.5	50.0	100	09/28/2017 21:12	WG1025567
1,1,1-Trichloroethane	U		9.40	50.0	100	09/28/2017 21:12	WG1025567
1,1,2-Trichloroethane	U		18.6	50.0	100	09/28/2017 21:12	WG1025567
Trichloroethene	2480		15.3	50.0	100	09/28/2017 21:12	WG1025567
Trichlorofluoromethane	U		13.0	250	100	09/28/2017 21:12	WG1025567
1,2,3-Trichloropropane	U		24.7	250	100	09/28/2017 21:12	WG1025567
1,2,4-Trimethylbenzene	U		12.3	50.0	100	09/28/2017 21:12	WG1025567
1,2,3-Trimethylbenzene	U		7.39	50.0	100	09/28/2017 21:12	WG1025567
1,3,5-Trimethylbenzene	U		12.4	50.0	100	09/28/2017 21:12	WG1025567
Vinyl acetate	U		64.5	500	100	09/28/2017 21:12	WG1025567
Vinyl chloride	82.0	J4	11.8	50.0	100	09/28/2017 21:12	WG1025567
Xylenes, Total	U		31.6	150	100	09/28/2017 21:12	WG1025567
(S) Toluene-d8	*103*			*80.0-120*		*10/03/2017 16:32*	WG1025567
(S) Toluene-d8	*104*			*80.0-120*		*09/28/2017 21:12*	WG1025567
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/28/2017 21:12*	WG1025567
(S) Dibromofluoromethane	*105*			*76.0-123*		*10/03/2017 16:32*	WG1025567
(S) 4-Bromofluorobenzene	*90.4*			*80.0-120*		*10/03/2017 16:32*	WG1025567
(S) 4-Bromofluorobenzene	*89.0*			*80.0-120*		*09/28/2017 21:12*	WG1025567

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	B J	31.6	100	1	10/05/2017 00:58	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*91.9*			*77.0-122*		*10/05/2017 00:58*	WG1026503

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	2.02	J J0 J4	1.05	25.0	1	10/03/2017 16:55	WG1025567
Acrylonitrile	U		0.873	5.00	1	10/03/2017 16:55	WG1025567
Benzene	U		0.0896	0.500	1	10/03/2017 16:55	WG1025567
Bromobenzene	U		0.133	0.500	1	10/03/2017 16:55	WG1025567
Bromodichloromethane	U		0.0800	0.500	1	10/03/2017 16:55	WG1025567
Bromochloromethane	U		0.145	0.500	1	10/03/2017 16:55	WG1025567
Bromoform	U		0.186	0.500	1	10/03/2017 16:55	WG1025567
Bromomethane	U		0.157	2.50	1	10/03/2017 16:55	WG1025567
n-Butylbenzene	U		0.143	0.500	1	10/03/2017 16:55	WG1025567
sec-Butylbenzene	U		0.134	0.500	1	10/03/2017 16:55	WG1025567
tert-Butylbenzene	U		0.183	0.500	1	10/03/2017 16:55	WG1025567
Carbon disulfide	0.439	J	0.101	0.500	1	10/03/2017 16:55	WG1025567
Carbon tetrachloride	U		0.159	0.500	1	10/03/2017 16:55	WG1025567
Chlorobenzene	U		0.140	0.500	1	10/03/2017 16:55	WG1025567
Chlorodibromomethane	U		0.128	0.500	1	10/03/2017 16:55	WG1025567
Chloroethane	U		0.141	2.50	1	10/03/2017 16:55	WG1025567
Chloroform	U		0.0860	0.500	1	10/03/2017 16:55	WG1025567
Chloromethane	U		0.153	1.25	1	10/03/2017 16:55	WG1025567
2-Chlorotoluene	U		0.111	0.500	1	10/03/2017 16:55	WG1025567
4-Chlorotoluene	U		0.0972	0.500	1	10/03/2017 16:55	WG1025567
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	10/03/2017 16:55	WG1025567
1,2-Dibromoethane	U		0.193	0.500	1	10/03/2017 16:55	WG1025567
Dibromomethane	U		0.117	0.500	1	10/03/2017 16:55	WG1025567
1,2-Dichlorobenzene	U		0.101	0.500	1	10/03/2017 16:55	WG1025567
1,3-Dichlorobenzene	U		0.130	0.500	1	10/03/2017 16:55	WG1025567
1,4-Dichlorobenzene	U		0.121	0.500	1	10/03/2017 16:55	WG1025567
Dichlorodifluoromethane	U		0.127	2.50	1	10/03/2017 16:55	WG1025567
1,1-Dichloroethane	U		0.114	0.500	1	10/03/2017 16:55	WG1025567
1,2-Dichloroethane	U		0.108	0.500	1	10/03/2017 16:55	WG1025567
1,1-Dichloroethene	1.87		0.188	0.500	1	10/03/2017 16:55	WG1025567
cis-1,2-Dichloroethene	13.3		0.0933	0.500	1	10/03/2017 16:55	WG1025567
trans-1,2-Dichloroethene	1.13		0.152	0.500	1	10/03/2017 16:55	WG1025567
1,2-Dichloropropane	U		0.190	0.500	1	10/03/2017 16:55	WG1025567
1,1-Dichloropropene	U		0.128	0.500	1	10/03/2017 16:55	WG1025567
1,3-Dichloropropane	U		0.147	1.00	1	10/03/2017 16:55	WG1025567
cis-1,3-Dichloropropene	U		0.0976	0.500	1	10/03/2017 16:55	WG1025567
trans-1,3-Dichloropropene	U		0.222	0.500	1	10/03/2017 16:55	WG1025567
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	10/03/2017 16:55	WG1025567
2,2-Dichloropropane	U		0.0929	0.500	1	10/03/2017 16:55	WG1025567
Di-isopropyl ether	U		0.0924	0.500	1	10/03/2017 16:55	WG1025567
Ethylbenzene	U		0.158	0.500	1	10/03/2017 16:55	WG1025567
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/03/2017 16:55	WG1025567
2-Hexanone	U		0.757	5.00	1	10/03/2017 16:55	WG1025567
n-Hexane	U		0.305	5.00	1	10/03/2017 16:55	WG1025567
Iodomethane	U		0.377	10.0	1	10/03/2017 16:55	WG1025567
Isopropylbenzene	U		0.126	0.500	1	10/03/2017 16:55	WG1025567
p-Isopropyltoluene	U		0.138	0.500	1	10/03/2017 16:55	WG1025567
2-Butanone (MEK)	U		1.28	5.00	1	10/03/2017 16:55	WG1025567

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	10/03/2017 16:55	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	10/03/2017 16:55	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	10/03/2017 16:55	WG1025567
Naphthalene	1.07	J	0.174	2.50	1	10/03/2017 16:55	WG1025567
n-Propylbenzene	U		0.162	0.500	1	10/03/2017 16:55	WG1025567
Styrene	U		0.117	0.500	1	10/03/2017 16:55	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	10/03/2017 16:55	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	10/03/2017 16:55	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	10/03/2017 16:55	WG1025567
Tetrachloroethene	12.7		0.199	0.500	1	10/03/2017 16:55	WG1025567
Toluene	0.748		0.412	0.500	1	10/03/2017 16:55	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/03/2017 16:55	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	10/03/2017 16:55	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	10/03/2017 16:55	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	10/03/2017 16:55	WG1025567
Trichloroethene	16.2		0.153	0.500	1	10/03/2017 16:55	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	10/03/2017 16:55	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	10/03/2017 16:55	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	10/03/2017 16:55	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	10/03/2017 16:55	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	10/03/2017 16:55	WG1025567
Vinyl acetate	U		0.645	5.00	1	10/03/2017 16:55	WG1025567
Vinyl chloride	0.239	J J4	0.118	0.500	1	10/03/2017 16:55	WG1025567
Xylenes, Total	U		0.316	1.50	1	10/03/2017 16:55	WG1025567
(S) Toluene-d8	*103*			*80.0-120*		*10/03/2017 16:55*	WG1025567
(S) Dibromofluoromethane	*104*			*76.0-123*		*10/03/2017 16:55*	WG1025567
(S) 4-Bromofluorobenzene	*89.9*			*80.0-120*		*10/03/2017 16:55*	WG1025567

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	55.2	B J	31.6	100	1	10/05/2017 01:21	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-122*		*10/05/2017 01:21*	WG1026503

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	7.30	J J0 J4	1.05	25.0	1	10/03/2017 17:16	WG1025567
Acrylonitrile	U		0.873	5.00	1	10/03/2017 17:16	WG1025567
Benzene	0.332	J	0.0896	0.500	1	10/03/2017 17:16	WG1025567
Bromobenzene	U		0.133	0.500	1	10/03/2017 17:16	WG1025567
Bromodichloromethane	U		0.0800	0.500	1	10/03/2017 17:16	WG1025567
Bromochloromethane	U		0.145	0.500	1	10/03/2017 17:16	WG1025567
Bromoform	U		0.186	0.500	1	10/03/2017 17:16	WG1025567
Bromomethane	U		0.157	2.50	1	10/03/2017 17:16	WG1025567
n-Butylbenzene	U		0.143	0.500	1	10/03/2017 17:16	WG1025567
sec-Butylbenzene	U		0.134	0.500	1	10/03/2017 17:16	WG1025567
tert-Butylbenzene	U		0.183	0.500	1	10/03/2017 17:16	WG1025567
Carbon disulfide	0.685		0.101	0.500	1	10/03/2017 17:16	WG1025567
Carbon tetrachloride	U		0.159	0.500	1	10/03/2017 17:16	WG1025567
Chlorobenzene	U		0.140	0.500	1	10/03/2017 17:16	WG1025567
Chlorodibromomethane	U		0.128	0.500	1	10/03/2017 17:16	WG1025567
Chloroethane	U		0.141	2.50	1	10/03/2017 17:16	WG1025567
Chloroform	0.198	J	0.0860	0.500	1	10/03/2017 17:16	WG1025567
Chloromethane	U		0.153	1.25	1	10/03/2017 17:16	WG1025567
2-Chlorotoluene	U		0.111	0.500	1	10/03/2017 17:16	WG1025567
4-Chlorotoluene	U		0.0972	0.500	1	10/03/2017 17:16	WG1025567
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	10/03/2017 17:16	WG1025567
1,2-Dibromoethane	U		0.193	0.500	1	10/03/2017 17:16	WG1025567
Dibromomethane	U		0.117	0.500	1	10/03/2017 17:16	WG1025567
1,2-Dichlorobenzene	U		0.101	0.500	1	10/03/2017 17:16	WG1025567
1,3-Dichlorobenzene	U		0.130	0.500	1	10/03/2017 17:16	WG1025567
1,4-Dichlorobenzene	U		0.121	0.500	1	10/03/2017 17:16	WG1025567
Dichlorodifluoromethane	U		0.127	2.50	1	10/03/2017 17:16	WG1025567
1,1-Dichloroethane	U		0.114	0.500	1	10/03/2017 17:16	WG1025567
1,2-Dichloroethane	U		0.108	0.500	1	10/03/2017 17:16	WG1025567
1,1-Dichloroethene	U		0.188	0.500	1	10/03/2017 17:16	WG1025567
cis-1,2-Dichloroethene	18.7		0.0933	0.500	1	10/03/2017 17:16	WG1025567
trans-1,2-Dichloroethene	U		0.152	0.500	1	10/03/2017 17:16	WG1025567
1,2-Dichloropropane	U		0.190	0.500	1	10/03/2017 17:16	WG1025567
1,1-Dichloropropene	U		0.128	0.500	1	10/03/2017 17:16	WG1025567
1,3-Dichloropropane	U		0.147	1.00	1	10/03/2017 17:16	WG1025567
cis-1,3-Dichloropropene	U		0.0976	0.500	1	10/03/2017 17:16	WG1025567
trans-1,3-Dichloropropene	U		0.222	0.500	1	10/03/2017 17:16	WG1025567
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	10/03/2017 17:16	WG1025567
2,2-Dichloropropane	U		0.0929	0.500	1	10/03/2017 17:16	WG1025567
Di-isopropyl ether	U		0.0924	0.500	1	10/03/2017 17:16	WG1025567
Ethylbenzene	U		0.158	0.500	1	10/03/2017 17:16	WG1025567
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/03/2017 17:16	WG1025567
2-Hexanone	U		0.757	5.00	1	10/03/2017 17:16	WG1025567
n-Hexane	U		0.305	5.00	1	10/03/2017 17:16	WG1025567
Iodomethane	U		0.377	10.0	1	10/03/2017 17:16	WG1025567
Isopropylbenzene	U		0.126	0.500	1	10/03/2017 17:16	WG1025567
p-Isopropyltoluene	U		0.138	0.500	1	10/03/2017 17:16	WG1025567
2-Butanone (MEK)	1.43	J	1.28	5.00	1	10/03/2017 17:16	WG1025567

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	10/03/2017 17:16	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	10/03/2017 17:16	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	10/03/2017 17:16	WG1025567
Naphthalene	U		0.174	2.50	1	10/03/2017 17:16	WG1025567
n-Propylbenzene	U		0.162	0.500	1	10/03/2017 17:16	WG1025567
Styrene	U		0.117	0.500	1	10/03/2017 17:16	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	10/03/2017 17:16	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	10/03/2017 17:16	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	10/03/2017 17:16	WG1025567
Tetrachloroethene	15.4		0.199	0.500	1	10/03/2017 17:16	WG1025567
Toluene	U		0.412	0.500	1	10/03/2017 17:16	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/03/2017 17:16	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	10/03/2017 17:16	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	10/03/2017 17:16	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	10/03/2017 17:16	WG1025567
Trichloroethene	10.7		0.153	0.500	1	10/03/2017 17:16	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	10/03/2017 17:16	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	10/03/2017 17:16	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	10/03/2017 17:16	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	10/03/2017 17:16	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	10/03/2017 17:16	WG1025567
Vinyl acetate	U		0.645	5.00	1	10/03/2017 17:16	WG1025567
Vinyl chloride	U	J4	0.118	0.500	1	10/03/2017 17:16	WG1025567
Xylenes, Total	U		0.316	1.50	1	10/03/2017 17:16	WG1025567
(S) Toluene-d8	*104*			*80.0-120*		*10/03/2017 17:16*	WG1025567
(S) Dibromofluoromethane	*104*			*76.0-123*		*10/03/2017 17:16*	WG1025567
(S) 4-Bromofluorobenzene	*90.6*			*80.0-120*		*10/03/2017 17:16*	WG1025567

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	58.5	B J	31.6	100	1	10/05/2017 01:43	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-122*		*10/05/2017 01:43*	WG1026503

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	2.84	J J0 J4	1.05	25.0	1	10/03/2017 17:38	WG1025567
Acrylonitrile	U		0.873	5.00	1	10/03/2017 17:38	WG1025567
Benzene	U		0.0896	0.500	1	10/03/2017 17:38	WG1025567
Bromobenzene	U		0.133	0.500	1	10/03/2017 17:38	WG1025567
Bromodichloromethane	U		0.0800	0.500	1	10/03/2017 17:38	WG1025567
Bromochloromethane	U		0.145	0.500	1	10/03/2017 17:38	WG1025567
Bromoform	U		0.186	0.500	1	10/03/2017 17:38	WG1025567
Bromomethane	U		0.157	2.50	1	10/03/2017 17:38	WG1025567
n-Butylbenzene	U		0.143	0.500	1	10/03/2017 17:38	WG1025567
sec-Butylbenzene	U		0.134	0.500	1	10/03/2017 17:38	WG1025567
tert-Butylbenzene	U		0.183	0.500	1	10/03/2017 17:38	WG1025567
Carbon disulfide	2.27		0.101	0.500	1	10/03/2017 17:38	WG1025567
Carbon tetrachloride	U		0.159	0.500	1	10/03/2017 17:38	WG1025567
Chlorobenzene	U		0.140	0.500	1	10/03/2017 17:38	WG1025567
Chlorodibromomethane	U		0.128	0.500	1	10/03/2017 17:38	WG1025567
Chloroethane	U		0.141	2.50	1	10/03/2017 17:38	WG1025567
Chloroform	U		0.0860	0.500	1	10/03/2017 17:38	WG1025567
Chloromethane	U		0.153	1.25	1	10/03/2017 17:38	WG1025567
2-Chlorotoluene	U		0.111	0.500	1	10/03/2017 17:38	WG1025567
4-Chlorotoluene	U		0.0972	0.500	1	10/03/2017 17:38	WG1025567
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	10/03/2017 17:38	WG1025567
1,2-Dibromoethane	U		0.193	0.500	1	10/03/2017 17:38	WG1025567
Dibromomethane	U		0.117	0.500	1	10/03/2017 17:38	WG1025567
1,2-Dichlorobenzene	U		0.101	0.500	1	10/03/2017 17:38	WG1025567
1,3-Dichlorobenzene	U		0.130	0.500	1	10/03/2017 17:38	WG1025567
1,4-Dichlorobenzene	U		0.121	0.500	1	10/03/2017 17:38	WG1025567
Dichlorodifluoromethane	U		0.127	2.50	1	10/03/2017 17:38	WG1025567
1,1-Dichloroethane	U		0.114	0.500	1	10/03/2017 17:38	WG1025567
1,2-Dichloroethane	U		0.108	0.500	1	10/03/2017 17:38	WG1025567
1,1-Dichloroethene	U		0.188	0.500	1	10/03/2017 17:38	WG1025567
cis-1,2-Dichloroethene	62.0		0.0933	0.500	1	10/03/2017 17:38	WG1025567
trans-1,2-Dichloroethene	U		0.152	0.500	1	10/03/2017 17:38	WG1025567
1,2-Dichloropropane	U		0.190	0.500	1	10/03/2017 17:38	WG1025567
1,1-Dichloropropene	U		0.128	0.500	1	10/03/2017 17:38	WG1025567
1,3-Dichloropropane	U		0.147	1.00	1	10/03/2017 17:38	WG1025567
cis-1,3-Dichloropropene	U		0.0976	0.500	1	10/03/2017 17:38	WG1025567
trans-1,3-Dichloropropene	U		0.222	0.500	1	10/03/2017 17:38	WG1025567
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	10/03/2017 17:38	WG1025567
2,2-Dichloropropane	U		0.0929	0.500	1	10/03/2017 17:38	WG1025567
Di-isopropyl ether	U		0.0924	0.500	1	10/03/2017 17:38	WG1025567
Ethylbenzene	U		0.158	0.500	1	10/03/2017 17:38	WG1025567
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/03/2017 17:38	WG1025567
2-Hexanone	U		0.757	5.00	1	10/03/2017 17:38	WG1025567
n-Hexane	U		0.305	5.00	1	10/03/2017 17:38	WG1025567
Iodomethane	U		0.377	10.0	1	10/03/2017 17:38	WG1025567
Isopropylbenzene	U		0.126	0.500	1	10/03/2017 17:38	WG1025567
p-Isopropyltoluene	U		0.138	0.500	1	10/03/2017 17:38	WG1025567
2-Butanone (MEK)	U		1.28	5.00	1	10/03/2017 17:38	WG1025567

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	10/03/2017 17:38	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	10/03/2017 17:38	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	10/03/2017 17:38	WG1025567
Naphthalene	U		0.174	2.50	1	10/03/2017 17:38	WG1025567
n-Propylbenzene	U		0.162	0.500	1	10/03/2017 17:38	WG1025567
Styrene	U		0.117	0.500	1	10/03/2017 17:38	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	10/03/2017 17:38	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	10/03/2017 17:38	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	10/03/2017 17:38	WG1025567
Tetrachloroethene	15.0		0.199	0.500	1	10/03/2017 17:38	WG1025567
Toluene	3.90		0.412	0.500	1	10/03/2017 17:38	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/03/2017 17:38	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	10/03/2017 17:38	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	10/03/2017 17:38	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	10/03/2017 17:38	WG1025567
Trichloroethene	19.1		0.153	0.500	1	10/03/2017 17:38	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	10/03/2017 17:38	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	10/03/2017 17:38	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	10/03/2017 17:38	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	10/03/2017 17:38	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	10/03/2017 17:38	WG1025567
Vinyl acetate	U		0.645	5.00	1	10/03/2017 17:38	WG1025567
Vinyl chloride	U	J4	0.118	0.500	1	10/03/2017 17:38	WG1025567
Xylenes, Total	U		0.316	1.50	1	10/03/2017 17:38	WG1025567
(S) Toluene-d8	*105*			*80.0-120*		*10/03/2017 17:38*	WG1025567
(S) Dibromofluoromethane	*105*			*76.0-123*		*10/03/2017 17:38*	WG1025567
(S) 4-Bromofluorobenzene	*91.2*			*80.0-120*		*10/03/2017 17:38*	WG1025567

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	10/05/2017 02:05	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*91.5*			*77.0-122*		*10/05/2017 02:05*	WG1026503

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	11.6	J J0 J4	1.05	25.0	1	10/03/2017 17:59	WG1025567
Acrylonitrile	U		0.873	5.00	1	10/03/2017 17:59	WG1025567
Benzene	U		0.0896	0.500	1	10/03/2017 17:59	WG1025567
Bromobenzene	U		0.133	0.500	1	10/03/2017 17:59	WG1025567
Bromodichloromethane	U		0.0800	0.500	1	10/03/2017 17:59	WG1025567
Bromochloromethane	U		0.145	0.500	1	10/03/2017 17:59	WG1025567
Bromoform	U		0.186	0.500	1	10/03/2017 17:59	WG1025567
Bromomethane	U		0.157	2.50	1	10/03/2017 17:59	WG1025567
n-Butylbenzene	U		0.143	0.500	1	10/03/2017 17:59	WG1025567
sec-Butylbenzene	U		0.134	0.500	1	10/03/2017 17:59	WG1025567
tert-Butylbenzene	U		0.183	0.500	1	10/03/2017 17:59	WG1025567
Carbon disulfide	U		0.101	0.500	1	10/03/2017 17:59	WG1025567
Carbon tetrachloride	U		0.159	0.500	1	10/03/2017 17:59	WG1025567
Chlorobenzene	U		0.140	0.500	1	10/03/2017 17:59	WG1025567
Chlorodibromomethane	U		0.128	0.500	1	10/03/2017 17:59	WG1025567
Chloroethane	U		0.141	2.50	1	10/03/2017 17:59	WG1025567
Chloroform	U		0.0860	0.500	1	10/03/2017 17:59	WG1025567
Chloromethane	U		0.153	1.25	1	10/03/2017 17:59	WG1025567
2-Chlorotoluene	U		0.111	0.500	1	10/03/2017 17:59	WG1025567
4-Chlorotoluene	U		0.0972	0.500	1	10/03/2017 17:59	WG1025567
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	10/03/2017 17:59	WG1025567
1,2-Dibromoethane	U		0.193	0.500	1	10/03/2017 17:59	WG1025567
Dibromomethane	U		0.117	0.500	1	10/03/2017 17:59	WG1025567
1,2-Dichlorobenzene	U		0.101	0.500	1	10/03/2017 17:59	WG1025567
1,3-Dichlorobenzene	U		0.130	0.500	1	10/03/2017 17:59	WG1025567
1,4-Dichlorobenzene	U		0.121	0.500	1	10/03/2017 17:59	WG1025567
Dichlorodifluoromethane	U		0.127	2.50	1	10/03/2017 17:59	WG1025567
1,1-Dichloroethane	U		0.114	0.500	1	10/03/2017 17:59	WG1025567
1,2-Dichloroethane	U		0.108	0.500	1	10/03/2017 17:59	WG1025567
1,1-Dichloroethene	U		0.188	0.500	1	10/03/2017 17:59	WG1025567
cis-1,2-Dichloroethene	U		0.0933	0.500	1	10/03/2017 17:59	WG1025567
trans-1,2-Dichloroethene	U		0.152	0.500	1	10/03/2017 17:59	WG1025567
1,2-Dichloropropane	U		0.190	0.500	1	10/03/2017 17:59	WG1025567
1,1-Dichloropropene	U		0.128	0.500	1	10/03/2017 17:59	WG1025567
1,3-Dichloropropane	U		0.147	1.00	1	10/03/2017 17:59	WG1025567
cis-1,3-Dichloropropene	U		0.0976	0.500	1	10/03/2017 17:59	WG1025567
trans-1,3-Dichloropropene	U		0.222	0.500	1	10/03/2017 17:59	WG1025567
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	10/03/2017 17:59	WG1025567
2,2-Dichloropropane	U		0.0929	0.500	1	10/03/2017 17:59	WG1025567
Di-isopropyl ether	U		0.0924	0.500	1	10/03/2017 17:59	WG1025567
Ethylbenzene	U		0.158	0.500	1	10/03/2017 17:59	WG1025567
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/03/2017 17:59	WG1025567
2-Hexanone	U		0.757	5.00	1	10/03/2017 17:59	WG1025567
n-Hexane	U		0.305	5.00	1	10/03/2017 17:59	WG1025567
Iodomethane	U		0.377	10.0	1	10/03/2017 17:59	WG1025567
Isopropylbenzene	U		0.126	0.500	1	10/03/2017 17:59	WG1025567
p-Isopropyltoluene	U		0.138	0.500	1	10/03/2017 17:59	WG1025567
2-Butanone (MEK)	1.69	J	1.28	5.00	1	10/03/2017 17:59	WG1025567

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	10/03/2017 17:59	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	10/03/2017 17:59	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	10/03/2017 17:59	WG1025567
Naphthalene	U		0.174	2.50	1	10/03/2017 17:59	WG1025567
n-Propylbenzene	U		0.162	0.500	1	10/03/2017 17:59	WG1025567
Styrene	U		0.117	0.500	1	10/03/2017 17:59	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	10/03/2017 17:59	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	10/03/2017 17:59	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	10/03/2017 17:59	WG1025567
Tetrachloroethene	U		0.199	0.500	1	10/03/2017 17:59	WG1025567
Toluene	U		0.412	0.500	1	10/03/2017 17:59	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/03/2017 17:59	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	10/03/2017 17:59	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	10/03/2017 17:59	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	10/03/2017 17:59	WG1025567
Trichloroethene	U		0.153	0.500	1	10/03/2017 17:59	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	10/03/2017 17:59	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	10/03/2017 17:59	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	10/03/2017 17:59	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	10/03/2017 17:59	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	10/03/2017 17:59	WG1025567
Vinyl acetate	U		0.645	5.00	1	10/03/2017 17:59	WG1025567
Vinyl chloride	U	J4	0.118	0.500	1	10/03/2017 17:59	WG1025567
Xylenes, Total	U		0.316	1.50	1	10/03/2017 17:59	WG1025567
(S) Toluene-d8	*103*			*80.0-120*		*10/03/2017 17:59*	WG1025567
(S) Dibromofluoromethane	*102*			*76.0-123*		*10/03/2017 17:59*	WG1025567
(S) 4-Bromofluorobenzene	*89.0*			*80.0-120*		*10/03/2017 17:59*	WG1025567

Method Blank (MB)

(MB) R3254760-3 10/01/17 13:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	39.2	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*97.3*			*77.0-122*

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

(LCS) R3254760-1 10/01/17 12:16 • (LCSD) R3254760-2 10/01/17 12:40

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	5310	5300	96.6	96.4	72.0-134			0.270	20
(S) a,a,a-Trifluorotoluene(FID)				*108*	*108*	*77.0-122*				

L939987-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L939987-01 10/01/17 21:46 • (MS) R3254760-4 10/01/17 22:10 • (MSD) R3254760-5 10/01/17 22:34

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	127	5920	5620	105	99.9	1	23.0-159			5.22	20
(S) a,a,a-Trifluorotoluene(FID)					*108*	*108*		*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) R3254139-3 09/28/17 12:31

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) R3254139-3 09/28/17 12:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Hexachloro-1,3-butadiene	U		0.157	1.00
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	U		0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
(S) Toluene-d8	*103*			*80.0-120*
(S) Dibromofluoromethane	*101*			*76.0-123*
(S) 4-Bromofluorobenzene	*89.5*			*80.0-120*

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

(LCS) R3254139-1 09/28/17 11:04 • (LCSD) R3254139-2 09/28/17 11:26

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 %
Acetone	125	211	199	169	160	10.0-160	J4		5.51	23
Acrylonitrile	125	145	147	116	117	60.0-142			1.10	20
Benzene	25.0	27.5	27.2	110	109	69.0-123			1.22	20
Bromobenzene	25.0	24.0	23.7	96.1	94.9	79.0-120			1.24	20
Bromodichloromethane	25.0	25.4	24.8	102	99.4	76.0-120			2.36	20
Bromochloromethane	25.0	26.5	26.7	106	107	76.0-122			0.670	20
Bromoform	25.0	25.3	24.7	101	98.9	67.0-132			2.23	20
Bromomethane	25.0	32.5	31.2	130	125	18.0-160			4.30	20
n-Butylbenzene	25.0	27.4	27.2	109	109	72.0-126			0.780	20
sec-Butylbenzene	25.0	26.6	26.3	106	105	74.0-121			0.930	20
tert-Butylbenzene	25.0	25.4	25.3	102	101	75.0-122			0.420	20
Carbon disulfide	25.0	28.0	27.7	112	111	55.0-127			1.14	20
Carbon tetrachloride	25.0	26.8	25.5	107	102	63.0-122			4.90	20
Chlorobenzene	25.0	26.3	25.8	105	103	79.0-121			1.72	20
Chlorodibromomethane	25.0	26.6	26.5	107	106	75.0-125			0.480	20
Chloroethane	25.0	32.9	33.1	132	133	47.0-152			0.760	20
Chloroform	25.0	27.1	26.6	108	106	72.0-121			1.92	20
Chloromethane	25.0	29.5	29.4	118	117	48.0-139			0.290	20
2-Chlorotoluene	25.0	24.3	24.2	97.3	96.7	74.0-122			0.680	20
4-Chlorotoluene	25.0	24.1	24.0	96.6	96.1	79.0-120			0.440	20
1,2-Dibromo-3-Chloropropane	25.0	24.4	24.8	97.7	99.3	64.0-127			1.64	20
1,2-Dibromoethane	25.0	25.8	25.6	103	103	77.0-123			0.700	20
Dibromomethane	25.0	26.3	25.8	105	103	78.0-120			1.72	20
1,2-Dichlorobenzene	25.0	25.8	25.7	103	103	80.0-120			0.490	20
1,3-Dichlorobenzene	25.0	25.4	25.1	102	100	72.0-123			1.18	20
1,4-Dichlorobenzene	25.0	25.6	25.1	103	100	77.0-120			2.22	20
Dichlorodifluoromethane	25.0	34.2	34.0	137	136	49.0-155			0.400	20
1,1-Dichloroethane	25.0	27.9	27.0	112	108	70.0-126			3.16	20
1,2-Dichloroethane	25.0	28.2	27.8	113	111	67.0-126			1.64	20
1,1-Dichloroethene	25.0	27.0	26.5	108	106	64.0-129			1.77	20
cis-1,2-Dichloroethene	25.0	26.7	26.0	107	104	73.0-120			2.54	20
trans-1,2-Dichloroethene	25.0	27.0	26.7	108	107	71.0-121			0.890	20
1,2-Dichloropropane	25.0	26.7	26.5	107	106	75.0-125			0.990	20
1,1-Dichloropropene	25.0	28.1	27.8	112	111	71.0-129			0.830	20
1,3-Dichloropropane	25.0	26.5	26.5	106	106	80.0-121			0.110	20
cis-1,3-Dichloropropene	25.0	26.2	26.1	105	104	79.0-123			0.370	20
trans-1,3-Dichloropropene	25.0	26.1	26.1	104	104	74.0-127			0.0900	20
trans-1,4-Dichloro-2-butene	25.0	13.4	13.6	53.6	54.2	55.0-134	J4	J4	1.22	20
2,2-Dichloropropane	25.0	28.1	28.0	112	112	60.0-125			0.240	20
Di-isopropyl ether	25.0	26.9	26.9	107	108	59.0-133			0.0900	20

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

(LCS) R3254139-1 09/28/17 11:04 • (LCSD) R3254139-2 09/28/17 11:26

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 %
Ethylbenzene	25.0	25.5	25.1	102	101	77.0-120			1.58	20
Hexachloro-1,3-butadiene	25.0	23.7	24.7	94.6	98.8	64.0-131			4.35	20
2-Hexanone	125	145	144	116	116	58.0-147			0.370	20
n-Hexane	25.0	29.0	28.4	116	114	56.0-124			1.95	20
Iodomethane	125	136	134	108	107	57.0-140			1.11	20
Isopropylbenzene	25.0	24.8	24.4	99.1	97.7	75.0-120			1.35	20
p-Isopropyltoluene	25.0	26.6	26.4	106	106	74.0-126			0.550	20
2-Butanone (MEK)	125	151	148	120	119	37.0-158			1.58	20
Methylene Chloride	25.0	26.4	26.3	106	105	66.0-121			0.500	20
4-Methyl-2-pentanone (MIBK)	125	130	129	104	103	59.0-143			0.860	20
Methyl tert-butyl ether	25.0	26.9	27.0	107	108	64.0-123			0.390	20
Naphthalene	25.0	23.6	24.6	94.2	98.4	62.0-128			4.33	20
n-Propylbenzene	25.0	24.9	24.6	99.4	98.3	79.0-120			1.14	20
Styrene	25.0	23.8	23.9	95.1	95.6	78.0-124			0.440	20
1,1,1,2-Tetrachloroethane	25.0	25.7	25.7	103	103	75.0-122			0.150	20
1,1,2,2-Tetrachloroethane	25.0	24.4	24.3	97.8	97.2	71.0-122			0.570	20
1,1,2-Trichlorotrifluoroethane	25.0	27.9	27.7	112	111	61.0-136			0.770	20
Tetrachloroethene	25.0	25.6	25.1	103	100	70.0-127			2.18	20
Toluene	25.0	25.6	25.2	102	101	77.0-120			1.44	20
1,2,3-Trichlorobenzene	25.0	23.9	24.8	95.6	99.4	61.0-133			3.85	20
1,2,4-Trichlorobenzene	25.0	24.2	24.3	96.8	97.3	69.0-129			0.540	20
1,1,1-Trichloroethane	25.0	27.8	27.4	111	110	68.0-122			1.63	20
1,1,2-Trichloroethane	25.0	25.5	25.5	102	102	78.0-120			0.130	20
Trichloroethene	25.0	26.0	26.0	104	104	78.0-120			0.110	20
Trichlorofluoromethane	25.0	28.4	28.5	114	114	56.0-137			0.380	20
1,2,3-Trichloropropane	25.0	24.3	24.0	97.2	96.1	72.0-124			1.14	20
1,2,4-Trimethylbenzene	25.0	24.6	24.4	98.4	97.5	75.0-120			0.990	20
1,2,3-Trimethylbenzene	25.0	26.5	26.4	106	106	75.0-120			0.330	20
1,3,5-Trimethylbenzene	25.0	24.4	24.5	97.6	98.2	75.0-120			0.580	20
Vinyl acetate	125	145	143	116	114	46.0-160			1.14	20
Vinyl chloride	25.0	33.9	33.0	136	132	64.0-133	J4		2.77	20
Xylenes, Total	75.0	76.9	76.4	103	102	77.0-120			0.650	20
(S) Toluene-d8				*101*	*102*	*80.0-120*				
(S) Dibromofluoromethane				*103*	*104*	*76.0-123*				
(S) 4-Bromofluorobenzene				*92.1*	*93.2*	*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

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.

ACCREDITATIONS & LOCATIONS

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.

State Accreditations

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

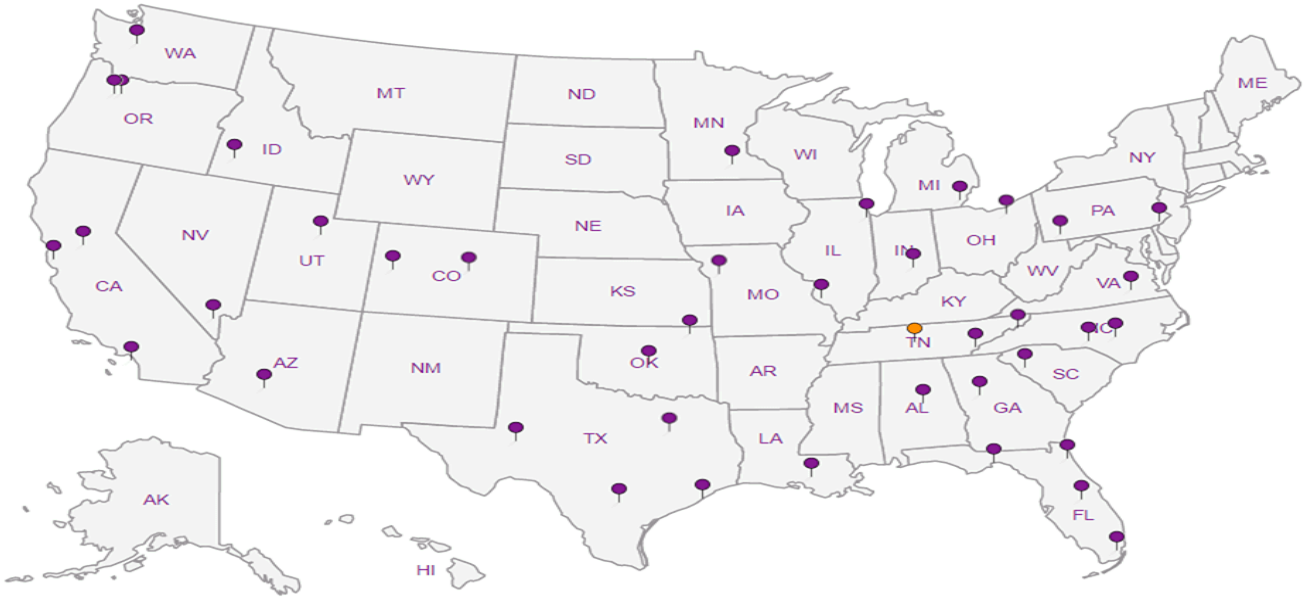
Third Party & Federal Accreditations

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

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [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., Suite 1350
Seattle, WA 98161

Pres Chk

Report to: ~~Mark Reid~~ Bill Haldeman

Email To: mdahl@pesenv.com; kspringstead@pesenv.com

Project Description: ~~MVSC~~ AMERICAN LINEN

City/State Collected: Seattle, WA

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

Client Project # ~~1358.001.01~~ 1413.001.02.602

Lab Project # PESENVSWA-~~135800101~~ 1413001 02

Collected by (print): Karsten Springstead

Site/Facility ID # ~~MVSC~~ AMERICAN LINEN

P.O. # 1413.001.02.602 ~~1358.001.01.003~~

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	8260C 40mlAmb-HCl	NWTPH-Gx									Remarks	Sample # (lab only)
MW-139-092517	Grab	GW	75	9-25-17	1200	6	X	X										-01
MW-132-092517		GW	75		1300	6	X	X										-02
MW-135-092517		GW	75		1400	6	X	X										-03
MW-133-092517		GW	133		1500	6	X	X										-04
MW-136-092517		GW	90		1650	6	X	X										-05
MW-137-092517		GW	110		1745	6	X	X										-06
EQ-092517		GW	—		1815	6	X	X										-07
		GW				3	X											
		GW				3	X											
		GW				3	X											

Chain of Custody Page ___ of ___

ESC LABORATORIES

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

L# 939416

Table # G057

Acctnum: PESENVSWA

Template: T121444

Prelogin: P609637

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:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking # 7466 1463 9147

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)
	9-26-17	1230	
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: 1.2 °C Bottles Received: 42

Date: 9-27-17 Time: 845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

MEMORANDUM

TO: Project File **DATE:** October 18, 2017

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: Former American Linen Supply Site, Seattle WA

PROJECT #: 1413.001.02.604

TASK: September 25, 2017 –Groundwater Samples

LAB: ESC Lab ID L939416

Six (6) groundwater samples and an equipment blank were collected as part of a sampling event at the Former American Linen Supply Site, in Seattle, Washington, on September 25, 2017. 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 petroleum hydrocarbons as gasoline range organics (TPH-Gx) by NWTPH-Gx per analytical methods stipulated by Washington State Department of Ecology.

The results are reported in ESC Sample Delivery Group (SDG) L939416. The quarterly monitoring round occurred between August and September of 2017. Associated sample data are reported in 27 ESC SDGs (SDGs L929881, L929901, L930317, L930670, L930884, L931390, L931655, L932059, L932260, L932611, L932876, L933267, L933455, L933742, L934130, L934673, L934916, L935150, L935266, L936064, L936401, L937125, L937802, L938165, L938636, L938873, and L939416). The quality assurance review of the sample data associated with SDG L939416 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for 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 Organic Superfund 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 on September 25, 2017 in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice and shipped overnight by courier to ESC. The laboratory reported that the cooler and samples were received at 1.2 degrees Centigrade (°C) and below the recommended temperature preservation of 6°C. The laboratory indicated that the samples were received in good condition. 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 USEPA recommended holding time of fourteen days for preserved waters from the date of sample 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.

Initial and Continuing Calibration

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

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for trans-1,4-dichloro-2-butene associated with analytical batch WG1025567 (analyzed on September 28, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J).**

- *USEPA Method 8260C:* Continuing calibration verification (CCV) issues were noted by ESC for acetone and trans-1,4-dichloro-2-butene associated with analytical batch WG1025567 (analyzed on October 3, 2017). These results are qualified by the laboratory "J0" to indicate that percent difference CCVs are outside of laboratory acceptance criteria. **All associated sample results with laboratory qualified J0 results are estimated and qualified (UJ or J) with the exception of acetone results for sample MW-137-092517.** For sample MW-137-092517 refer to the discussion under the equipment blank for further information.

Method Blank Results

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

NWTPH-Gx Method:

Laboratory method blanks were included with the analytical batch per method requirement. The target analyte (gasoline) was detected in the method blank below the RDL and qualified (J) by the laboratory for the following samples:

- **A low level of gasoline was detected in the method blank. Associated gasoline results MW-139-092517, MW-132-092517, MW-133-092517, MW-136-092517, and MW-137-092517 are qualified as not detected (U) due to blank contamination.** No action was taken for sample MW-135-092517 because the sample gasoline concentration was far greater than the gasoline detection in the associated method blank.

Trip Blank Results

USEPA Method 8260C and NWTPH-Gx:
A trip blank was not collected.

Field, Rinsate, or Equipment Blank Results

An equipment blank was collected after collecting sample MW-137-092517 and analyzed for VOCs and gasoline. The target analytes (VOCs and gasoline) were not detected in the equipment blanks at or above the reported detection limits (RDLs) with two exceptions:

- Low levels of acetone and 2-butanone were detected below the RDL in the equipment blank. No action was necessary for 2-butanone (MEK) as it was not detected in the associated sample. **Acetone was detected at a low level in the associated sample MW-137-092517 and is qualified (U) as not detected due to associated blank contamination.**

Field Duplicate Analyses

A field duplicate sample was not collected.

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) and/or matrix spike/matrix spike duplicate (MS/MSD) results for precision data.

Surrogate Recoveries

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

NWTPH-Gx Method:
The surrogate recovery results for the samples, LCS/LCSDs, MS/MSDs 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 exceptions:

- LCSD (Batch WG1025567 for waters) % recovery for acetone is above laboratory criteria and qualified by the laboratory (J4). **All associated detected results are estimated and qualified (J) due to elevated spike recovery with the exception of sample MW-137-092517.** Refer to the discussion under the equipment blank for further information.

- LCS/LCSD (Batch WG1025567 for waters) % recoveries for trans-1,4-dichloro-2-butene are below laboratory criteria and qualified by the laboratory (J4). **Associated sample results are estimated and qualified (UJ) due to low LCS/LCSD recoveries and a CCV recovery outside of laboratory acceptance limits.**

- LCS (Batch WG1025567 for waters) % recovery for vinyl chloride is above laboratory criteria and qualified by the laboratory (J4). **All associated detected vinyl chloride results are estimated and qualified (J) due to elevated spike recovery.**

NWTPH-Gx Method:
LCS/LCSDs were analyzed by the NWTPH-Gx method. The LCS/LCSD %Rs and RPD for the control analyte (gasoline) 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 results for more information.

NWTPH-Gx Method:
MS/MSD analyses were performed on a non-client sample. MS/MSD % Rs and RPDs were within the laboratory control criteria for waters.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following exception:

- Water sample MW-132-092517 VOC results are footnoted by ESC to indicate that target compounds are too high to re-analyze at a lower dilution. No action was taken other than to note this.

Compound Identification and Quantitation Limits

The RDLs used for this sample group were 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 laboratory control limit acceptance criteria and criteria outlined in:

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

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

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	62.2 U	B J	31.6	100	1	10/01/2017 17:01	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*96.7*			*77.0-122*		*10/01/2017 17:01*	WG1026503

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	2.87 J	J J4	1.05	25.0	1	09/28/2017 20:28	WG1025567
Acrylonitrile	U		0.873	5.00	1	09/28/2017 20:28	WG1025567
Benzene	U		0.0896	0.500	1	09/28/2017 20:28	WG1025567
Bromobenzene	U		0.133	0.500	1	09/28/2017 20:28	WG1025567
Bromodichloromethane	U		0.0800	0.500	1	09/28/2017 20:28	WG1025567
Bromochloromethane	U		0.145	0.500	1	09/28/2017 20:28	WG1025567
Bromoform	U		0.186	0.500	1	09/28/2017 20:28	WG1025567
Bromomethane	U		0.157	2.50	1	09/28/2017 20:28	WG1025567
n-Butylbenzene	U		0.143	0.500	1	09/28/2017 20:28	WG1025567
sec-Butylbenzene	U		0.134	0.500	1	09/28/2017 20:28	WG1025567
tert-Butylbenzene	U		0.183	0.500	1	09/28/2017 20:28	WG1025567
Carbon disulfide	1.18		0.101	0.500	1	09/28/2017 20:28	WG1025567
Carbon tetrachloride	U		0.159	0.500	1	09/28/2017 20:28	WG1025567
Chlorobenzene	U		0.140	0.500	1	09/28/2017 20:28	WG1025567
Chlorodibromomethane	U		0.128	0.500	1	09/28/2017 20:28	WG1025567
Chloroethane	U		0.141	2.50	1	09/28/2017 20:28	WG1025567
Chloroform	1.33		0.0860	0.500	1	09/28/2017 20:28	WG1025567
Chloromethane	U		0.153	1.25	1	09/28/2017 20:28	WG1025567
2-Chlorotoluene	U		0.111	0.500	1	09/28/2017 20:28	WG1025567
4-Chlorotoluene	U		0.0972	0.500	1	09/28/2017 20:28	WG1025567
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	09/28/2017 20:28	WG1025567
1,2-Dibromoethane	U		0.193	0.500	1	09/28/2017 20:28	WG1025567
Dibromomethane	U		0.117	0.500	1	09/28/2017 20:28	WG1025567
1,2-Dichlorobenzene	U		0.101	0.500	1	09/28/2017 20:28	WG1025567
1,3-Dichlorobenzene	U		0.130	0.500	1	09/28/2017 20:28	WG1025567
1,4-Dichlorobenzene	U		0.121	0.500	1	09/28/2017 20:28	WG1025567
Dichlorodifluoromethane	U		0.127	2.50	1	09/28/2017 20:28	WG1025567
1,1-Dichloroethane	U		0.114	0.500	1	09/28/2017 20:28	WG1025567
1,2-Dichloroethane	U		0.108	0.500	1	09/28/2017 20:28	WG1025567
1,1-Dichloroethene	U		0.188	0.500	1	09/28/2017 20:28	WG1025567
cis-1,2-Dichloroethene	1.42		0.0933	0.500	1	09/28/2017 20:28	WG1025567
trans-1,2-Dichloroethene	U		0.152	0.500	1	09/28/2017 20:28	WG1025567
1,2-Dichloropropane	U		0.190	0.500	1	09/28/2017 20:28	WG1025567
1,1-Dichloropropene	U		0.128	0.500	1	09/28/2017 20:28	WG1025567
1,3-Dichloropropane	U		0.147	1.00	1	09/28/2017 20:28	WG1025567
cis-1,3-Dichloropropene	U		0.0976	0.500	1	09/28/2017 20:28	WG1025567
trans-1,3-Dichloropropene	U		0.222	0.500	1	09/28/2017 20:28	WG1025567
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.257	5.00	1	09/28/2017 20:28	WG1025567
2,2-Dichloropropane	U		0.0929	0.500	1	09/28/2017 20:28	WG1025567
Di-isopropyl ether	U		0.0924	0.500	1	09/28/2017 20:28	WG1025567
Ethylbenzene	U		0.158	0.500	1	09/28/2017 20:28	WG1025567
Hexachloro-1,3-butadiene	U		0.157	1.00	1	09/28/2017 20:28	WG1025567
2-Hexanone	U		0.757	5.00	1	09/28/2017 20:28	WG1025567
n-Hexane	U		0.305	5.00	1	09/28/2017 20:28	WG1025567
Iodomethane	U		0.377	10.0	1	09/28/2017 20:28	WG1025567
Isopropylbenzene	U		0.126	0.500	1	09/28/2017 20:28	WG1025567
p-Isopropyltoluene	U		0.138	0.500	1	09/28/2017 20:28	WG1025567
2-Butanone (MEK)	U		1.28	5.00	1	09/28/2017 20:28	WG1025567

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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	1.10 J	J	1.07	2.50	1	09/28/2017 20:28	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	09/28/2017 20:28	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	09/28/2017 20:28	WG1025567
Naphthalene	U		0.174	2.50	1	09/28/2017 20:28	WG1025567
n-Propylbenzene	U		0.162	0.500	1	09/28/2017 20:28	WG1025567
Styrene	U		0.117	0.500	1	09/28/2017 20:28	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	09/28/2017 20:28	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	09/28/2017 20:28	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	09/28/2017 20:28	WG1025567
Tetrachloroethene	U		0.199	0.500	1	09/28/2017 20:28	WG1025567
Toluene	0.516		0.412	0.500	1	09/28/2017 20:28	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	09/28/2017 20:28	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	09/28/2017 20:28	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	09/28/2017 20:28	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	09/28/2017 20:28	WG1025567
Trichloroethene	U		0.153	0.500	1	09/28/2017 20:28	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	09/28/2017 20:28	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	09/28/2017 20:28	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	09/28/2017 20:28	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	09/28/2017 20:28	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	09/28/2017 20:28	WG1025567
Vinyl acetate	U		0.645	5.00	1	09/28/2017 20:28	WG1025567
Vinyl chloride	0.246 J	J J4	0.118	0.500	1	09/28/2017 20:28	WG1025567
Xylenes, Total	U		0.316	1.50	1	09/28/2017 20:28	WG1025567
(S) Toluene-d8	*105*			*80.0-120*		*09/28/2017 20:28*	WG1025567
(S) Dibromofluoromethane	*102*			*76.0-123*		*09/28/2017 20:28*	WG1025567
(S) 4-Bromofluorobenzene	*88.5*			*80.0-120*		*09/28/2017 20:28*	WG1025567

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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	95.9 U	B J	31.6	100	1	10/05/2017 00:36	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*92.6*			*77.0-122*		*10/05/2017 00:36*	WG1026503

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	5.91 J	J J0 J4	5.25	125	5	10/03/2017 16:10	WG1025567
Acrylonitrile	U		4.36	25.0	5	10/03/2017 16:10	WG1025567
Benzene	U		0.448	2.50	5	10/03/2017 16:10	WG1025567
Bromobenzene	U		0.665	2.50	5	10/03/2017 16:10	WG1025567
Bromodichloromethane	U		0.400	2.50	5	10/03/2017 16:10	WG1025567
Bromochloromethane	U		0.725	2.50	5	10/03/2017 16:10	WG1025567
Bromoform	U		0.930	2.50	5	10/03/2017 16:10	WG1025567
Bromomethane	U		0.785	12.5	5	10/03/2017 16:10	WG1025567
n-Butylbenzene	U		0.715	2.50	5	10/03/2017 16:10	WG1025567
sec-Butylbenzene	U		0.670	2.50	5	10/03/2017 16:10	WG1025567
tert-Butylbenzene	U		0.915	2.50	5	10/03/2017 16:10	WG1025567
Carbon disulfide	U		0.505	2.50	5	10/03/2017 16:10	WG1025567
Carbon tetrachloride	U		0.795	2.50	5	10/03/2017 16:10	WG1025567
Chlorobenzene	U		0.700	2.50	5	10/03/2017 16:10	WG1025567
Chlorodibromomethane	U		0.640	2.50	5	10/03/2017 16:10	WG1025567
Chloroethane	U		0.705	12.5	5	10/03/2017 16:10	WG1025567
Chloroform	U		0.430	2.50	5	10/03/2017 16:10	WG1025567
Chloromethane	U		0.765	6.25	5	10/03/2017 16:10	WG1025567
2-Chlorotoluene	U		0.555	2.50	5	10/03/2017 16:10	WG1025567
4-Chlorotoluene	U		0.486	2.50	5	10/03/2017 16:10	WG1025567
1,2-Dibromo-3-Chloropropane	U		1.62	12.5	5	10/03/2017 16:10	WG1025567
1,2-Dibromoethane	U		0.965	2.50	5	10/03/2017 16:10	WG1025567
Dibromomethane	U		0.585	2.50	5	10/03/2017 16:10	WG1025567
1,2-Dichlorobenzene	U		0.505	2.50	5	10/03/2017 16:10	WG1025567
1,3-Dichlorobenzene	U		0.650	2.50	5	10/03/2017 16:10	WG1025567
1,4-Dichlorobenzene	U		0.605	2.50	5	10/03/2017 16:10	WG1025567
Dichlorodifluoromethane	U		0.635	12.5	5	10/03/2017 16:10	WG1025567
1,1-Dichloroethane	U		0.570	2.50	5	10/03/2017 16:10	WG1025567
1,2-Dichloroethane	U		0.540	2.50	5	10/03/2017 16:10	WG1025567
1,1-Dichloroethene	U		0.940	2.50	5	10/03/2017 16:10	WG1025567
cis-1,2-Dichloroethene	196		0.466	2.50	5	10/03/2017 16:10	WG1025567
trans-1,2-Dichloroethene	U		0.760	2.50	5	10/03/2017 16:10	WG1025567
1,2-Dichloropropane	U		0.950	2.50	5	10/03/2017 16:10	WG1025567
1,1-Dichloropropene	U		0.640	2.50	5	10/03/2017 16:10	WG1025567
1,3-Dichloropropane	U		0.735	5.00	5	10/03/2017 16:10	WG1025567
cis-1,3-Dichloropropene	U		0.488	2.50	5	10/03/2017 16:10	WG1025567
trans-1,3-Dichloropropene	U		1.11	2.50	5	10/03/2017 16:10	WG1025567
trans-1,4-Dichloro-2-butene	U	UJ J0 J4	1.28	25.0	5	10/03/2017 16:10	WG1025567
2,2-Dichloropropane	U		0.464	2.50	5	10/03/2017 16:10	WG1025567
Di-isopropyl ether	U		0.462	2.50	5	10/03/2017 16:10	WG1025567
Ethylbenzene	U		0.790	2.50	5	10/03/2017 16:10	WG1025567
Hexachloro-1,3-butadiene	U		0.785	5.00	5	10/03/2017 16:10	WG1025567
2-Hexanone	U		3.78	25.0	5	10/03/2017 16:10	WG1025567
n-Hexane	U		1.52	25.0	5	10/03/2017 16:10	WG1025567
Iodomethane	U		1.88	50.0	5	10/03/2017 16:10	WG1025567
Isopropylbenzene	U		0.630	2.50	5	10/03/2017 16:10	WG1025567
p-Isopropyltoluene	U		0.690	2.50	5	10/03/2017 16:10	WG1025567
2-Butanone (MEK)	U		6.40	25.0	5	10/03/2017 16:10	WG1025567

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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		5.35	12.5	5	10/03/2017 16:10	WG1025567
4-Methyl-2-pentanone (MIBK)	U		4.12	25.0	5	10/03/2017 16:10	WG1025567
Methyl tert-butyl ether	U		0.510	2.50	5	10/03/2017 16:10	WG1025567
Naphthalene	U		0.870	12.5	5	10/03/2017 16:10	WG1025567
n-Propylbenzene	U		0.810	2.50	5	10/03/2017 16:10	WG1025567
Styrene	U		0.585	2.50	5	10/03/2017 16:10	WG1025567
1,1,1,2-Tetrachloroethane	U		0.600	2.50	5	10/03/2017 16:10	WG1025567
1,1,2,2-Tetrachloroethane	U		0.650	2.50	5	10/03/2017 16:10	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.820	2.50	5	10/03/2017 16:10	WG1025567
Tetrachloroethene	U		0.995	2.50	5	10/03/2017 16:10	WG1025567
Toluene	U		2.06	2.50	5	10/03/2017 16:10	WG1025567
1,2,3-Trichlorobenzene	U		0.820	2.50	5	10/03/2017 16:10	WG1025567
1,2,4-Trichlorobenzene	U		1.78	2.50	5	10/03/2017 16:10	WG1025567
1,1,1-Trichloroethane	U		0.470	2.50	5	10/03/2017 16:10	WG1025567
1,1,2-Trichloroethane	U		0.930	2.50	5	10/03/2017 16:10	WG1025567
Trichloroethene	1.95 J	J	0.765	2.50	5	10/03/2017 16:10	WG1025567
Trichlorofluoromethane	U		0.650	12.5	5	10/03/2017 16:10	WG1025567
1,2,3-Trichloropropane	U		1.24	12.5	5	10/03/2017 16:10	WG1025567
1,2,4-Trimethylbenzene	U		0.615	2.50	5	10/03/2017 16:10	WG1025567
1,2,3-Trimethylbenzene	U		0.370	2.50	5	10/03/2017 16:10	WG1025567
1,3,5-Trimethylbenzene	U		0.620	2.50	5	10/03/2017 16:10	WG1025567
Vinyl acetate	U		3.22	25.0	5	10/03/2017 16:10	WG1025567
Vinyl chloride	1.76 J	J J4	0.590	2.50	5	10/03/2017 16:10	WG1025567
Xylenes, Total	U		1.58	7.50	5	10/03/2017 16:10	WG1025567
(S) Toluene-d8	*104*			*80.0-120*		*10/03/2017 16:10*	WG1025567
(S) Dibromofluoromethane	*103*			*76.0-123*		*10/03/2017 16:10*	WG1025567
(S) 4-Bromofluorobenzene	*91.8*			*80.0-120*		*10/03/2017 16:10*	WG1025567

Sample Narrative:

L939416-02 WG1025567: 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	10900	B	3160	10000	100	10/01/2017 17:49	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-122*		*10/01/2017 17:49*	WG1026503

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	J4	105	2500	100	09/28/2017 21:12	WG1025567
Acrylonitrile	U		87.3	500	100	09/28/2017 21:12	WG1025567
Benzene	U		8.96	50.0	100	09/28/2017 21:12	WG1025567
Bromobenzene	U		13.3	50.0	100	09/28/2017 21:12	WG1025567
Bromodichloromethane	U		8.00	50.0	100	09/28/2017 21:12	WG1025567
Bromochloromethane	U		14.5	50.0	100	09/28/2017 21:12	WG1025567
Bromoform	U		18.6	50.0	100	09/28/2017 21:12	WG1025567
Bromomethane	U		15.7	250	100	09/28/2017 21:12	WG1025567
n-Butylbenzene	U		14.3	50.0	100	09/28/2017 21:12	WG1025567
sec-Butylbenzene	U		13.4	50.0	100	09/28/2017 21:12	WG1025567
tert-Butylbenzene	U		18.3	50.0	100	09/28/2017 21:12	WG1025567
Carbon disulfide	U		10.1	50.0	100	09/28/2017 21:12	WG1025567
Carbon tetrachloride	U		15.9	50.0	100	09/28/2017 21:12	WG1025567
Chlorobenzene	U		14.0	50.0	100	09/28/2017 21:12	WG1025567
Chlorodibromomethane	U		12.8	50.0	100	09/28/2017 21:12	WG1025567
Chloroethane	U		14.1	250	100	09/28/2017 21:12	WG1025567
Chloroform	U		8.60	50.0	100	09/28/2017 21:12	WG1025567
Chloromethane	U		15.3	125	100	09/28/2017 21:12	WG1025567
2-Chlorotoluene	U		11.1	50.0	100	09/28/2017 21:12	WG1025567
4-Chlorotoluene	U		9.72	50.0	100	09/28/2017 21:12	WG1025567
1,2-Dibromo-3-Chloropropane	U		32.5	250	100	09/28/2017 21:12	WG1025567
1,2-Dibromoethane	U		19.3	50.0	100	09/28/2017 21:12	WG1025567
Dibromomethane	U		11.7	50.0	100	09/28/2017 21:12	WG1025567
1,2-Dichlorobenzene	U		10.1	50.0	100	09/28/2017 21:12	WG1025567
1,3-Dichlorobenzene	U		13.0	50.0	100	09/28/2017 21:12	WG1025567
1,4-Dichlorobenzene	U		12.1	50.0	100	09/28/2017 21:12	WG1025567
Dichlorodifluoromethane	U		12.7	250	100	09/28/2017 21:12	WG1025567
1,1-Dichloroethane	U		11.4	50.0	100	09/28/2017 21:12	WG1025567
1,2-Dichloroethane	U		10.8	50.0	100	09/28/2017 21:12	WG1025567
1,1-Dichloroethene	87.2		18.8	50.0	100	09/28/2017 21:12	WG1025567
cis-1,2-Dichloroethene	16100		93.3	500	1000	10/03/2017 16:32	WG1025567
trans-1,2-Dichloroethene	U		15.2	50.0	100	09/28/2017 21:12	WG1025567
1,2-Dichloropropane	U		19.0	50.0	100	09/28/2017 21:12	WG1025567
1,1-Dichloropropene	U		12.8	50.0	100	09/28/2017 21:12	WG1025567
1,3-Dichloropropane	U		14.7	100	100	09/28/2017 21:12	WG1025567
cis-1,3-Dichloropropene	U		9.76	50.0	100	09/28/2017 21:12	WG1025567
trans-1,3-Dichloropropene	U		22.2	50.0	100	09/28/2017 21:12	WG1025567
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	25.7	500	100	09/28/2017 21:12	WG1025567
2,2-Dichloropropane	U		9.29	50.0	100	09/28/2017 21:12	WG1025567
Di-isopropyl ether	U		9.24	50.0	100	09/28/2017 21:12	WG1025567
Ethylbenzene	U		15.8	50.0	100	09/28/2017 21:12	WG1025567
Hexachloro-1,3-butadiene	U		15.7	100	100	09/28/2017 21:12	WG1025567
2-Hexanone	U		75.7	500	100	09/28/2017 21:12	WG1025567
n-Hexane	U		30.5	500	100	09/28/2017 21:12	WG1025567
Iodomethane	U		37.7	1000	100	09/28/2017 21:12	WG1025567
Isopropylbenzene	U		12.6	50.0	100	09/28/2017 21:12	WG1025567
p-Isopropyltoluene	U		13.8	50.0	100	09/28/2017 21:12	WG1025567
2-Butanone (MEK)	U		128	500	100	09/28/2017 21:12	WG1025567

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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		107	250	100	09/28/2017 21:12	WG1025567
4-Methyl-2-pentanone (MIBK)	U		82.3	500	100	09/28/2017 21:12	WG1025567
Methyl tert-butyl ether	U		10.2	50.0	100	09/28/2017 21:12	WG1025567
Naphthalene	U		17.4	250	100	09/28/2017 21:12	WG1025567
n-Propylbenzene	U		16.2	50.0	100	09/28/2017 21:12	WG1025567
Styrene	U		11.7	50.0	100	09/28/2017 21:12	WG1025567
1,1,1,2-Tetrachloroethane	U		12.0	50.0	100	09/28/2017 21:12	WG1025567
1,1,2,2-Tetrachloroethane	U		13.0	50.0	100	09/28/2017 21:12	WG1025567
1,1,2-Trichlorotrifluoroethane	U		16.4	50.0	100	09/28/2017 21:12	WG1025567
Tetrachloroethene	10400		19.9	50.0	100	09/28/2017 21:12	WG1025567
Toluene	U		41.2	50.0	100	09/28/2017 21:12	WG1025567
1,2,3-Trichlorobenzene	U		16.4	50.0	100	09/28/2017 21:12	WG1025567
1,2,4-Trichlorobenzene	U		35.5	50.0	100	09/28/2017 21:12	WG1025567
1,1,1-Trichloroethane	U		9.40	50.0	100	09/28/2017 21:12	WG1025567
1,1,2-Trichloroethane	U		18.6	50.0	100	09/28/2017 21:12	WG1025567
Trichloroethene	2480		15.3	50.0	100	09/28/2017 21:12	WG1025567
Trichlorofluoromethane	U		13.0	250	100	09/28/2017 21:12	WG1025567
1,2,3-Trichloropropane	U		24.7	250	100	09/28/2017 21:12	WG1025567
1,2,4-Trimethylbenzene	U		12.3	50.0	100	09/28/2017 21:12	WG1025567
1,2,3-Trimethylbenzene	U		7.39	50.0	100	09/28/2017 21:12	WG1025567
1,3,5-Trimethylbenzene	U		12.4	50.0	100	09/28/2017 21:12	WG1025567
Vinyl acetate	U		64.5	500	100	09/28/2017 21:12	WG1025567
Vinyl chloride	82.0 J	J4	11.8	50.0	100	09/28/2017 21:12	WG1025567
Xylenes, Total	U		31.6	150	100	09/28/2017 21:12	WG1025567
(S) Toluene-d8	*103*			*80.0-120*		*10/03/2017 16:32*	WG1025567
(S) Toluene-d8	*104*			*80.0-120*		*09/28/2017 21:12*	WG1025567
(S) Dibromofluoromethane	*101*			*76.0-123*		*09/28/2017 21:12*	WG1025567
(S) Dibromofluoromethane	*105*			*76.0-123*		*10/03/2017 16:32*	WG1025567
(S) 4-Bromofluorobenzene	*90.4*			*80.0-120*		*10/03/2017 16:32*	WG1025567
(S) 4-Bromofluorobenzene	*89.0*			*80.0-120*		*09/28/2017 21:12*	WG1025567

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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	41.2	U	B J	31.6	100	1	10/05/2017 00:58	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*91.9*				*77.0-122*		*10/05/2017 00:58*	WG1026503

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	2.02	J	J J0 J4	1.05	25.0	1	10/03/2017 16:55	WG1025567
Acrylonitrile	U			0.873	5.00	1	10/03/2017 16:55	WG1025567
Benzene	U			0.0896	0.500	1	10/03/2017 16:55	WG1025567
Bromobenzene	U			0.133	0.500	1	10/03/2017 16:55	WG1025567
Bromodichloromethane	U			0.0800	0.500	1	10/03/2017 16:55	WG1025567
Bromochloromethane	U			0.145	0.500	1	10/03/2017 16:55	WG1025567
Bromoform	U			0.186	0.500	1	10/03/2017 16:55	WG1025567
Bromomethane	U			0.157	2.50	1	10/03/2017 16:55	WG1025567
n-Butylbenzene	U			0.143	0.500	1	10/03/2017 16:55	WG1025567
sec-Butylbenzene	U			0.134	0.500	1	10/03/2017 16:55	WG1025567
tert-Butylbenzene	U			0.183	0.500	1	10/03/2017 16:55	WG1025567
Carbon disulfide	0.439	J	J	0.101	0.500	1	10/03/2017 16:55	WG1025567
Carbon tetrachloride	U			0.159	0.500	1	10/03/2017 16:55	WG1025567
Chlorobenzene	U			0.140	0.500	1	10/03/2017 16:55	WG1025567
Chlorodibromomethane	U			0.128	0.500	1	10/03/2017 16:55	WG1025567
Chloroethane	U			0.141	2.50	1	10/03/2017 16:55	WG1025567
Chloroform	U			0.0860	0.500	1	10/03/2017 16:55	WG1025567
Chloromethane	U			0.153	1.25	1	10/03/2017 16:55	WG1025567
2-Chlorotoluene	U			0.111	0.500	1	10/03/2017 16:55	WG1025567
4-Chlorotoluene	U			0.0972	0.500	1	10/03/2017 16:55	WG1025567
1,2-Dibromo-3-Chloropropane	U			0.325	2.50	1	10/03/2017 16:55	WG1025567
1,2-Dibromoethane	U			0.193	0.500	1	10/03/2017 16:55	WG1025567
Dibromomethane	U			0.117	0.500	1	10/03/2017 16:55	WG1025567
1,2-Dichlorobenzene	U			0.101	0.500	1	10/03/2017 16:55	WG1025567
1,3-Dichlorobenzene	U			0.130	0.500	1	10/03/2017 16:55	WG1025567
1,4-Dichlorobenzene	U			0.121	0.500	1	10/03/2017 16:55	WG1025567
Dichlorodifluoromethane	U			0.127	2.50	1	10/03/2017 16:55	WG1025567
1,1-Dichloroethane	U			0.114	0.500	1	10/03/2017 16:55	WG1025567
1,2-Dichloroethane	U			0.108	0.500	1	10/03/2017 16:55	WG1025567
1,1-Dichloroethene	1.87			0.188	0.500	1	10/03/2017 16:55	WG1025567
cis-1,2-Dichloroethene	13.3			0.0933	0.500	1	10/03/2017 16:55	WG1025567
trans-1,2-Dichloroethene	1.13			0.152	0.500	1	10/03/2017 16:55	WG1025567
1,2-Dichloropropane	U			0.190	0.500	1	10/03/2017 16:55	WG1025567
1,1-Dichloropropene	U			0.128	0.500	1	10/03/2017 16:55	WG1025567
1,3-Dichloropropane	U			0.147	1.00	1	10/03/2017 16:55	WG1025567
cis-1,3-Dichloropropene	U			0.0976	0.500	1	10/03/2017 16:55	WG1025567
trans-1,3-Dichloropropene	U			0.222	0.500	1	10/03/2017 16:55	WG1025567
trans-1,4-Dichloro-2-butene	U	UJ	J0 J4	0.257	5.00	1	10/03/2017 16:55	WG1025567
2,2-Dichloropropane	U			0.0929	0.500	1	10/03/2017 16:55	WG1025567
Di-isopropyl ether	U			0.0924	0.500	1	10/03/2017 16:55	WG1025567
Ethylbenzene	U			0.158	0.500	1	10/03/2017 16:55	WG1025567
Hexachloro-1,3-butadiene	U			0.157	1.00	1	10/03/2017 16:55	WG1025567
2-Hexanone	U			0.757	5.00	1	10/03/2017 16:55	WG1025567
n-Hexane	U			0.305	5.00	1	10/03/2017 16:55	WG1025567
Iodomethane	U			0.377	10.0	1	10/03/2017 16:55	WG1025567
Isopropylbenzene	U			0.126	0.500	1	10/03/2017 16:55	WG1025567
p-Isopropyltoluene	U			0.138	0.500	1	10/03/2017 16:55	WG1025567
2-Butanone (MEK)	U			1.28	5.00	1	10/03/2017 16:55	WG1025567

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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	10/03/2017 16:55	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	10/03/2017 16:55	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	10/03/2017 16:55	WG1025567
Naphthalene	1.07 J	J	0.174	2.50	1	10/03/2017 16:55	WG1025567
n-Propylbenzene	U		0.162	0.500	1	10/03/2017 16:55	WG1025567
Styrene	U		0.117	0.500	1	10/03/2017 16:55	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	10/03/2017 16:55	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	10/03/2017 16:55	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	10/03/2017 16:55	WG1025567
Tetrachloroethene	12.7		0.199	0.500	1	10/03/2017 16:55	WG1025567
Toluene	0.748		0.412	0.500	1	10/03/2017 16:55	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/03/2017 16:55	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	10/03/2017 16:55	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	10/03/2017 16:55	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	10/03/2017 16:55	WG1025567
Trichloroethene	16.2		0.153	0.500	1	10/03/2017 16:55	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	10/03/2017 16:55	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	10/03/2017 16:55	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	10/03/2017 16:55	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	10/03/2017 16:55	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	10/03/2017 16:55	WG1025567
Vinyl acetate	U		0.645	5.00	1	10/03/2017 16:55	WG1025567
Vinyl chloride	0.239 J	J J4	0.118	0.500	1	10/03/2017 16:55	WG1025567
Xylenes, Total	U		0.316	1.50	1	10/03/2017 16:55	WG1025567
(S) Toluene-d8	*103*			*80.0-120*		*10/03/2017 16:55*	WG1025567
(S) Dibromofluoromethane	*104*			*76.0-123*		*10/03/2017 16:55*	WG1025567
(S) 4-Bromofluorobenzene	*89.9*			*80.0-120*		*10/03/2017 16:55*	WG1025567

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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	55.2 U	B J	31.6	100	1	10/05/2017 01:21	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-122*		*10/05/2017 01:21*	WG1026503

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	7.30 J	J J0 J4	1.05	25.0	1	10/03/2017 17:16	WG1025567
Acrylonitrile	U		0.873	5.00	1	10/03/2017 17:16	WG1025567
Benzene	0.332 J	J	0.0896	0.500	1	10/03/2017 17:16	WG1025567
Bromobenzene	U		0.133	0.500	1	10/03/2017 17:16	WG1025567
Bromodichloromethane	U		0.0800	0.500	1	10/03/2017 17:16	WG1025567
Bromochloromethane	U		0.145	0.500	1	10/03/2017 17:16	WG1025567
Bromoform	U		0.186	0.500	1	10/03/2017 17:16	WG1025567
Bromomethane	U		0.157	2.50	1	10/03/2017 17:16	WG1025567
n-Butylbenzene	U		0.143	0.500	1	10/03/2017 17:16	WG1025567
sec-Butylbenzene	U		0.134	0.500	1	10/03/2017 17:16	WG1025567
tert-Butylbenzene	U		0.183	0.500	1	10/03/2017 17:16	WG1025567
Carbon disulfide	0.685		0.101	0.500	1	10/03/2017 17:16	WG1025567
Carbon tetrachloride	U		0.159	0.500	1	10/03/2017 17:16	WG1025567
Chlorobenzene	U		0.140	0.500	1	10/03/2017 17:16	WG1025567
Chlorodibromomethane	U		0.128	0.500	1	10/03/2017 17:16	WG1025567
Chloroethane	U		0.141	2.50	1	10/03/2017 17:16	WG1025567
Chloroform	0.198 J	J	0.0860	0.500	1	10/03/2017 17:16	WG1025567
Chloromethane	U		0.153	1.25	1	10/03/2017 17:16	WG1025567
2-Chlorotoluene	U		0.111	0.500	1	10/03/2017 17:16	WG1025567
4-Chlorotoluene	U		0.0972	0.500	1	10/03/2017 17:16	WG1025567
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	10/03/2017 17:16	WG1025567
1,2-Dibromoethane	U		0.193	0.500	1	10/03/2017 17:16	WG1025567
Dibromomethane	U		0.117	0.500	1	10/03/2017 17:16	WG1025567
1,2-Dichlorobenzene	U		0.101	0.500	1	10/03/2017 17:16	WG1025567
1,3-Dichlorobenzene	U		0.130	0.500	1	10/03/2017 17:16	WG1025567
1,4-Dichlorobenzene	U		0.121	0.500	1	10/03/2017 17:16	WG1025567
Dichlorodifluoromethane	U		0.127	2.50	1	10/03/2017 17:16	WG1025567
1,1-Dichloroethane	U		0.114	0.500	1	10/03/2017 17:16	WG1025567
1,2-Dichloroethane	U		0.108	0.500	1	10/03/2017 17:16	WG1025567
1,1-Dichloroethene	U		0.188	0.500	1	10/03/2017 17:16	WG1025567
cis-1,2-Dichloroethene	18.7		0.0933	0.500	1	10/03/2017 17:16	WG1025567
trans-1,2-Dichloroethene	U		0.152	0.500	1	10/03/2017 17:16	WG1025567
1,2-Dichloropropane	U		0.190	0.500	1	10/03/2017 17:16	WG1025567
1,1-Dichloropropene	U		0.128	0.500	1	10/03/2017 17:16	WG1025567
1,3-Dichloropropane	U		0.147	1.00	1	10/03/2017 17:16	WG1025567
cis-1,3-Dichloropropene	U		0.0976	0.500	1	10/03/2017 17:16	WG1025567
trans-1,3-Dichloropropene	U		0.222	0.500	1	10/03/2017 17:16	WG1025567
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.257	5.00	1	10/03/2017 17:16	WG1025567
2,2-Dichloropropane	U		0.0929	0.500	1	10/03/2017 17:16	WG1025567
Di-isopropyl ether	U		0.0924	0.500	1	10/03/2017 17:16	WG1025567
Ethylbenzene	U		0.158	0.500	1	10/03/2017 17:16	WG1025567
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/03/2017 17:16	WG1025567
2-Hexanone	U		0.757	5.00	1	10/03/2017 17:16	WG1025567
n-Hexane	U		0.305	5.00	1	10/03/2017 17:16	WG1025567
Iodomethane	U		0.377	10.0	1	10/03/2017 17:16	WG1025567
Isopropylbenzene	U		0.126	0.500	1	10/03/2017 17:16	WG1025567
p-Isopropyltoluene	U		0.138	0.500	1	10/03/2017 17:16	WG1025567
2-Butanone (MEK)	1.43 J	J	1.28	5.00	1	10/03/2017 17:16	WG1025567

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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	10/03/2017 17:16	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	10/03/2017 17:16	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	10/03/2017 17:16	WG1025567
Naphthalene	U		0.174	2.50	1	10/03/2017 17:16	WG1025567
n-Propylbenzene	U		0.162	0.500	1	10/03/2017 17:16	WG1025567
Styrene	U		0.117	0.500	1	10/03/2017 17:16	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	10/03/2017 17:16	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	10/03/2017 17:16	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	10/03/2017 17:16	WG1025567
Tetrachloroethene	15.4		0.199	0.500	1	10/03/2017 17:16	WG1025567
Toluene	U		0.412	0.500	1	10/03/2017 17:16	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/03/2017 17:16	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	10/03/2017 17:16	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	10/03/2017 17:16	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	10/03/2017 17:16	WG1025567
Trichloroethene	10.7		0.153	0.500	1	10/03/2017 17:16	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	10/03/2017 17:16	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	10/03/2017 17:16	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	10/03/2017 17:16	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	10/03/2017 17:16	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	10/03/2017 17:16	WG1025567
Vinyl acetate	U		0.645	5.00	1	10/03/2017 17:16	WG1025567
Vinyl chloride	U	J4	0.118	0.500	1	10/03/2017 17:16	WG1025567
Xylenes, Total	U		0.316	1.50	1	10/03/2017 17:16	WG1025567
(S) Toluene-d8	*104*			*80.0-120*		*10/03/2017 17:16*	WG1025567
(S) Dibromofluoromethane	*104*			*76.0-123*		*10/03/2017 17:16*	WG1025567
(S) 4-Bromofluorobenzene	*90.6*			*80.0-120*		*10/03/2017 17:16*	WG1025567

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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	58.5 U	B J	31.6	100	1	10/05/2017 01:43	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-122*		*10/05/2017 01:43*	WG1026503

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	2.84 U	J J0 J4	1.05	25.0	1	10/03/2017 17:38	WG1025567
Acrylonitrile	U		0.873	5.00	1	10/03/2017 17:38	WG1025567
Benzene	U		0.0896	0.500	1	10/03/2017 17:38	WG1025567
Bromobenzene	U		0.133	0.500	1	10/03/2017 17:38	WG1025567
Bromodichloromethane	U		0.0800	0.500	1	10/03/2017 17:38	WG1025567
Bromochloromethane	U		0.145	0.500	1	10/03/2017 17:38	WG1025567
Bromoform	U		0.186	0.500	1	10/03/2017 17:38	WG1025567
Bromomethane	U		0.157	2.50	1	10/03/2017 17:38	WG1025567
n-Butylbenzene	U		0.143	0.500	1	10/03/2017 17:38	WG1025567
sec-Butylbenzene	U		0.134	0.500	1	10/03/2017 17:38	WG1025567
tert-Butylbenzene	U		0.183	0.500	1	10/03/2017 17:38	WG1025567
Carbon disulfide	2.27		0.101	0.500	1	10/03/2017 17:38	WG1025567
Carbon tetrachloride	U		0.159	0.500	1	10/03/2017 17:38	WG1025567
Chlorobenzene	U		0.140	0.500	1	10/03/2017 17:38	WG1025567
Chlorodibromomethane	U		0.128	0.500	1	10/03/2017 17:38	WG1025567
Chloroethane	U		0.141	2.50	1	10/03/2017 17:38	WG1025567
Chloroform	U		0.0860	0.500	1	10/03/2017 17:38	WG1025567
Chloromethane	U		0.153	1.25	1	10/03/2017 17:38	WG1025567
2-Chlorotoluene	U		0.111	0.500	1	10/03/2017 17:38	WG1025567
4-Chlorotoluene	U		0.0972	0.500	1	10/03/2017 17:38	WG1025567
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	10/03/2017 17:38	WG1025567
1,2-Dibromoethane	U		0.193	0.500	1	10/03/2017 17:38	WG1025567
Dibromomethane	U		0.117	0.500	1	10/03/2017 17:38	WG1025567
1,2-Dichlorobenzene	U		0.101	0.500	1	10/03/2017 17:38	WG1025567
1,3-Dichlorobenzene	U		0.130	0.500	1	10/03/2017 17:38	WG1025567
1,4-Dichlorobenzene	U		0.121	0.500	1	10/03/2017 17:38	WG1025567
Dichlorodifluoromethane	U		0.127	2.50	1	10/03/2017 17:38	WG1025567
1,1-Dichloroethane	U		0.114	0.500	1	10/03/2017 17:38	WG1025567
1,2-Dichloroethane	U		0.108	0.500	1	10/03/2017 17:38	WG1025567
1,1-Dichloroethene	U		0.188	0.500	1	10/03/2017 17:38	WG1025567
cis-1,2-Dichloroethene	62.0		0.0933	0.500	1	10/03/2017 17:38	WG1025567
trans-1,2-Dichloroethene	U		0.152	0.500	1	10/03/2017 17:38	WG1025567
1,2-Dichloropropane	U		0.190	0.500	1	10/03/2017 17:38	WG1025567
1,1-Dichloropropene	U		0.128	0.500	1	10/03/2017 17:38	WG1025567
1,3-Dichloropropane	U		0.147	1.00	1	10/03/2017 17:38	WG1025567
cis-1,3-Dichloropropene	U		0.0976	0.500	1	10/03/2017 17:38	WG1025567
trans-1,3-Dichloropropene	U		0.222	0.500	1	10/03/2017 17:38	WG1025567
trans-1,4-Dichloro-2-butene	U UJ	J0 J4	0.257	5.00	1	10/03/2017 17:38	WG1025567
2,2-Dichloropropane	U		0.0929	0.500	1	10/03/2017 17:38	WG1025567
Di-isopropyl ether	U		0.0924	0.500	1	10/03/2017 17:38	WG1025567
Ethylbenzene	U		0.158	0.500	1	10/03/2017 17:38	WG1025567
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/03/2017 17:38	WG1025567
2-Hexanone	U		0.757	5.00	1	10/03/2017 17:38	WG1025567
n-Hexane	U		0.305	5.00	1	10/03/2017 17:38	WG1025567
Iodomethane	U		0.377	10.0	1	10/03/2017 17:38	WG1025567
Isopropylbenzene	U		0.126	0.500	1	10/03/2017 17:38	WG1025567
p-Isopropyltoluene	U		0.138	0.500	1	10/03/2017 17:38	WG1025567
2-Butanone (MEK)	U		1.28	5.00	1	10/03/2017 17:38	WG1025567

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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	10/03/2017 17:38	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	10/03/2017 17:38	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	10/03/2017 17:38	WG1025567
Naphthalene	U		0.174	2.50	1	10/03/2017 17:38	WG1025567
n-Propylbenzene	U		0.162	0.500	1	10/03/2017 17:38	WG1025567
Styrene	U		0.117	0.500	1	10/03/2017 17:38	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	10/03/2017 17:38	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	10/03/2017 17:38	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	10/03/2017 17:38	WG1025567
Tetrachloroethene	15.0		0.199	0.500	1	10/03/2017 17:38	WG1025567
Toluene	3.90		0.412	0.500	1	10/03/2017 17:38	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/03/2017 17:38	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	10/03/2017 17:38	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	10/03/2017 17:38	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	10/03/2017 17:38	WG1025567
Trichloroethene	19.1		0.153	0.500	1	10/03/2017 17:38	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	10/03/2017 17:38	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	10/03/2017 17:38	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	10/03/2017 17:38	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	10/03/2017 17:38	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	10/03/2017 17:38	WG1025567
Vinyl acetate	U		0.645	5.00	1	10/03/2017 17:38	WG1025567
Vinyl chloride	U	J4	0.118	0.500	1	10/03/2017 17:38	WG1025567
Xylenes, Total	U		0.316	1.50	1	10/03/2017 17:38	WG1025567
(S) Toluene-d8	*105*			*80.0-120*		*10/03/2017 17:38*	WG1025567
(S) Dibromofluoromethane	*105*			*76.0-123*		*10/03/2017 17:38*	WG1025567
(S) 4-Bromofluorobenzene	*91.2*			*80.0-120*		*10/03/2017 17:38*	WG1025567

JC 10/18/17

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	10/05/2017 02:05	WG1026503
(S) a,a,a-Trifluorotoluene(FID)	*91.5*			*77.0-122*		*10/05/2017 02:05*	WG1026503

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	11.6	J J0 J4	1.05	25.0	1	10/03/2017 17:59	WG1025567
Acrylonitrile	U		0.873	5.00	1	10/03/2017 17:59	WG1025567
Benzene	U		0.0896	0.500	1	10/03/2017 17:59	WG1025567
Bromobenzene	U		0.133	0.500	1	10/03/2017 17:59	WG1025567
Bromodichloromethane	U		0.0800	0.500	1	10/03/2017 17:59	WG1025567
Bromochloromethane	U		0.145	0.500	1	10/03/2017 17:59	WG1025567
Bromoform	U		0.186	0.500	1	10/03/2017 17:59	WG1025567
Bromomethane	U		0.157	2.50	1	10/03/2017 17:59	WG1025567
n-Butylbenzene	U		0.143	0.500	1	10/03/2017 17:59	WG1025567
sec-Butylbenzene	U		0.134	0.500	1	10/03/2017 17:59	WG1025567
tert-Butylbenzene	U		0.183	0.500	1	10/03/2017 17:59	WG1025567
Carbon disulfide	U		0.101	0.500	1	10/03/2017 17:59	WG1025567
Carbon tetrachloride	U		0.159	0.500	1	10/03/2017 17:59	WG1025567
Chlorobenzene	U		0.140	0.500	1	10/03/2017 17:59	WG1025567
Chlorodibromomethane	U		0.128	0.500	1	10/03/2017 17:59	WG1025567
Chloroethane	U		0.141	2.50	1	10/03/2017 17:59	WG1025567
Chloroform	U		0.0860	0.500	1	10/03/2017 17:59	WG1025567
Chloromethane	U		0.153	1.25	1	10/03/2017 17:59	WG1025567
2-Chlorotoluene	U		0.111	0.500	1	10/03/2017 17:59	WG1025567
4-Chlorotoluene	U		0.0972	0.500	1	10/03/2017 17:59	WG1025567
1,2-Dibromo-3-Chloropropane	U		0.325	2.50	1	10/03/2017 17:59	WG1025567
1,2-Dibromoethane	U		0.193	0.500	1	10/03/2017 17:59	WG1025567
Dibromomethane	U		0.117	0.500	1	10/03/2017 17:59	WG1025567
1,2-Dichlorobenzene	U		0.101	0.500	1	10/03/2017 17:59	WG1025567
1,3-Dichlorobenzene	U		0.130	0.500	1	10/03/2017 17:59	WG1025567
1,4-Dichlorobenzene	U		0.121	0.500	1	10/03/2017 17:59	WG1025567
Dichlorodifluoromethane	U		0.127	2.50	1	10/03/2017 17:59	WG1025567
1,1-Dichloroethane	U		0.114	0.500	1	10/03/2017 17:59	WG1025567
1,2-Dichloroethane	U		0.108	0.500	1	10/03/2017 17:59	WG1025567
1,1-Dichloroethene	U		0.188	0.500	1	10/03/2017 17:59	WG1025567
cis-1,2-Dichloroethene	U		0.0933	0.500	1	10/03/2017 17:59	WG1025567
trans-1,2-Dichloroethene	U		0.152	0.500	1	10/03/2017 17:59	WG1025567
1,2-Dichloropropane	U		0.190	0.500	1	10/03/2017 17:59	WG1025567
1,1-Dichloropropene	U		0.128	0.500	1	10/03/2017 17:59	WG1025567
1,3-Dichloropropane	U		0.147	1.00	1	10/03/2017 17:59	WG1025567
cis-1,3-Dichloropropene	U		0.0976	0.500	1	10/03/2017 17:59	WG1025567
trans-1,3-Dichloropropene	U		0.222	0.500	1	10/03/2017 17:59	WG1025567
trans-1,4-Dichloro-2-butene	U	J0 J4	0.257	5.00	1	10/03/2017 17:59	WG1025567
2,2-Dichloropropane	U		0.0929	0.500	1	10/03/2017 17:59	WG1025567
Di-isopropyl ether	U		0.0924	0.500	1	10/03/2017 17:59	WG1025567
Ethylbenzene	U		0.158	0.500	1	10/03/2017 17:59	WG1025567
Hexachloro-1,3-butadiene	U		0.157	1.00	1	10/03/2017 17:59	WG1025567
2-Hexanone	U		0.757	5.00	1	10/03/2017 17:59	WG1025567
n-Hexane	U		0.305	5.00	1	10/03/2017 17:59	WG1025567
Iodomethane	U		0.377	10.0	1	10/03/2017 17:59	WG1025567
Isopropylbenzene	U		0.126	0.500	1	10/03/2017 17:59	WG1025567
p-Isopropyltoluene	U		0.138	0.500	1	10/03/2017 17:59	WG1025567
2-Butanone (MEK)	1.69	J	1.28	5.00	1	10/03/2017 17:59	WG1025567

JC 10/18/17

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	
Methylene Chloride	U		1.07	2.50	1	10/03/2017 17:59	WG1025567
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	10/03/2017 17:59	WG1025567
Methyl tert-butyl ether	U		0.102	0.500	1	10/03/2017 17:59	WG1025567
Naphthalene	U		0.174	2.50	1	10/03/2017 17:59	WG1025567
n-Propylbenzene	U		0.162	0.500	1	10/03/2017 17:59	WG1025567
Styrene	U		0.117	0.500	1	10/03/2017 17:59	WG1025567
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	10/03/2017 17:59	WG1025567
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	10/03/2017 17:59	WG1025567
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	10/03/2017 17:59	WG1025567
Tetrachloroethene	U		0.199	0.500	1	10/03/2017 17:59	WG1025567
Toluene	U		0.412	0.500	1	10/03/2017 17:59	WG1025567
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/03/2017 17:59	WG1025567
1,2,4-Trichlorobenzene	U		0.355	0.500	1	10/03/2017 17:59	WG1025567
1,1,1-Trichloroethane	U		0.0940	0.500	1	10/03/2017 17:59	WG1025567
1,1,2-Trichloroethane	U		0.186	0.500	1	10/03/2017 17:59	WG1025567
Trichloroethene	U		0.153	0.500	1	10/03/2017 17:59	WG1025567
Trichlorofluoromethane	U		0.130	2.50	1	10/03/2017 17:59	WG1025567
1,2,3-Trichloropropane	U		0.247	2.50	1	10/03/2017 17:59	WG1025567
1,2,4-Trimethylbenzene	U		0.123	0.500	1	10/03/2017 17:59	WG1025567
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	10/03/2017 17:59	WG1025567
1,3,5-Trimethylbenzene	U		0.124	0.500	1	10/03/2017 17:59	WG1025567
Vinyl acetate	U		0.645	5.00	1	10/03/2017 17:59	WG1025567
Vinyl chloride	U	J4	0.118	0.500	1	10/03/2017 17:59	WG1025567
Xylenes, Total	U		0.316	1.50	1	10/03/2017 17:59	WG1025567
(S) Toluene-d8	*103*			*80.0-120*		*10/03/2017 17:59*	WG1025567
(S) Dibromofluoromethane	*102*			*76.0-123*		*10/03/2017 17:59*	WG1025567
(S) 4-Bromofluorobenzene	*89.0*			*80.0-120*		*10/03/2017 17:59*	WG1025567

JC 10/18/17

APPENDIX K

SOIL ISOCONCENTRATION MAPS

PCE Concentration above 0.025 mg/kg at Elevation 40

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
MW109
MW112
MW-132
P02
B-208
B-209
MW103
MW111
B-213
DB10
P04
DB07
B-3
MW107
MW-133
B-201
B-210
MW-141
MW-137
MW-138
B-217
DB13
B-10
MW-139
DB06
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
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PCE Concentration above 0.025 mg/kg at Elevation 35

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
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B-203
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DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
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B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
MW101
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MW130
MW112
MW-132
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DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
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PCE Concentration above 0.025 mg/kg at Elevation 30

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
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B-203
DB01
DB02
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MW-134
B-223
VV-MW-04
DB03
MW121
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MW-135
DB04
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B-207
VV-MW-03
MW109
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B-214
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DB08
DB09
R-MW6
DB11
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation 25

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
MW109
P03
MW101
P06
MW130
MW112
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B-208
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DB07
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DB10
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DB06
MW-139
DB13
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B-214
B-5
DB08
DB09
R-MW6
B-216
DB11
MW-136
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation 20

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
MW-134
B-202
B-223
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DB03
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DB08
DB09
R-MW6
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MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
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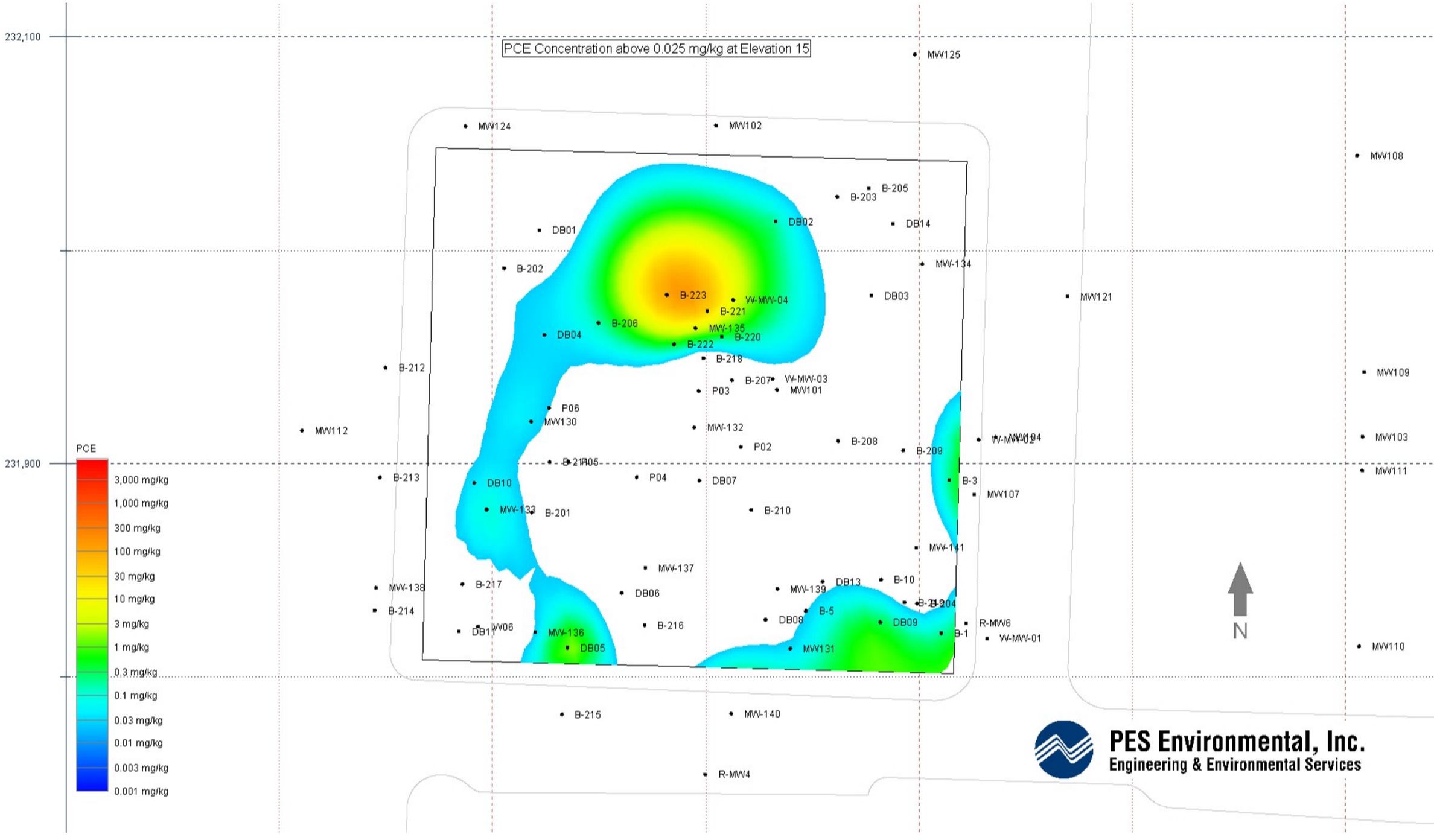
PCE Concentration above 0.025 mg/kg at Elevation 15
232,100
231,900
PCE
3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg
MW125
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MW108
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DB01
DB02
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B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
MW109
P06
MW130
MW-132
MW112
P02
B-208
B-209
MW103
B-213
P04
DB07
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MW111
DB10
MW107
MW-133
B-201
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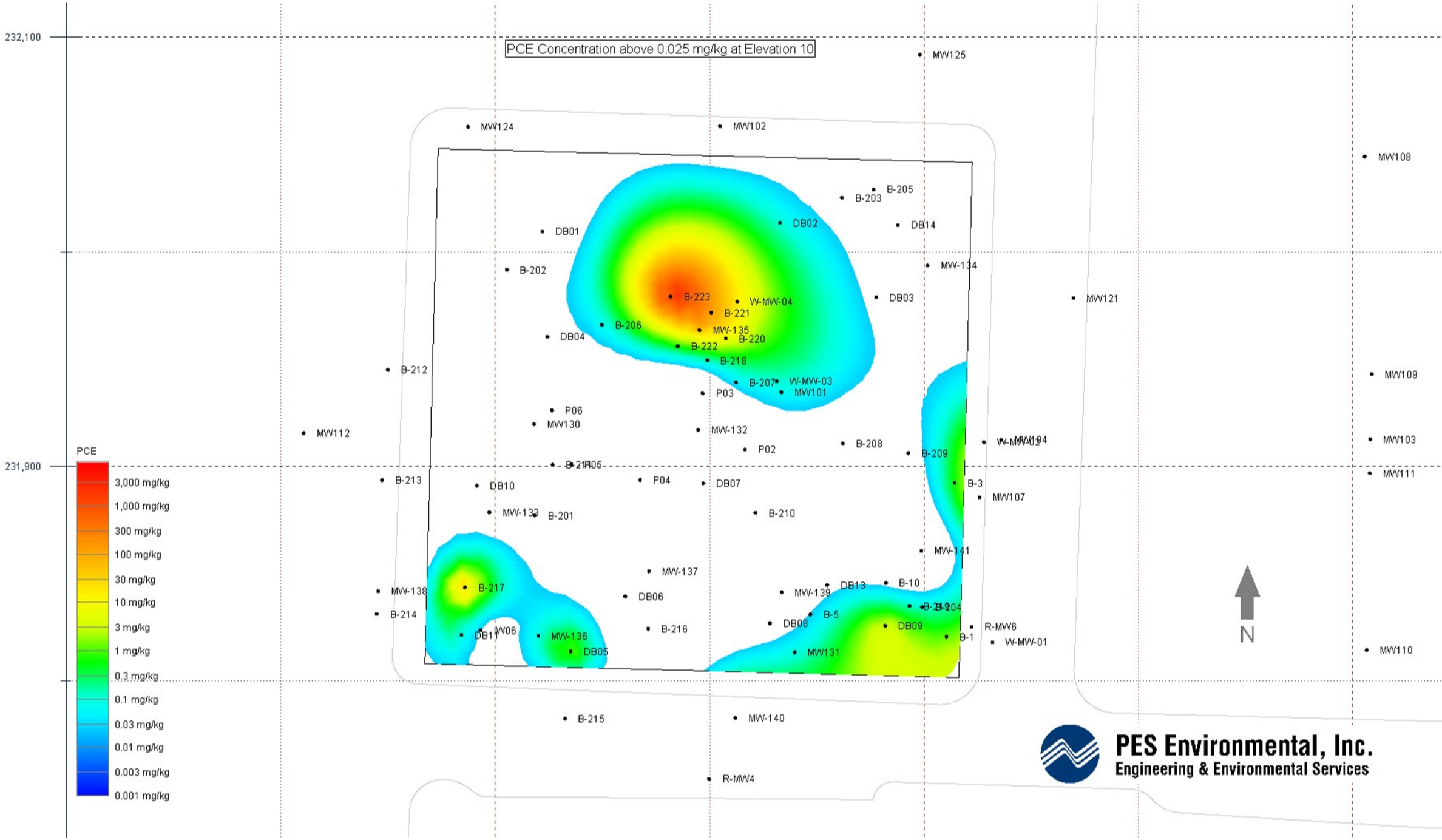
MW-141
MW-137
MW-138
B-217
DB13
B-10
DB06
MW-139
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4
N
PES Environmental, Inc.
Engineering & Environmental Services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232,100
231,900
PCE
3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg
MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
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B-207
VV-MW-03
MW101
P03
P06
MW109
MW130
MW112
MW-132
P02
B-208
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MW103
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DB10
P04
DB07
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MW-133
B-201
B-210
MW-141
MW-137
MW-138
B-217
DB06
MW-139
DB13
B-10
B-214
B-5
DB08
DB09
R-MW6
VV-MW-01
MW111
DB11
MW06
MW-136
DB05
B-216
B-1
MW131
MW110
N
B-215
MW-140
R-MW4
PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation 5

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
MW112
MW-132
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P02
B-209
MW109
MW103
B-213
DB10
P04
DB07
B-3
MW107
MW-133
B-201
B-210
MW-141
MW-137
MW-138
B-217
DB06
MW-139
DB13
B-10
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW111
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation 0

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
MW101
P03
MW109
P06
MW130
MW112
MW-132
P02
B-208
B-209
MW103
B-213
DB10
P04
DB07
B-3
MW111
MW-133
B-201
B-210
MW107
MW-141
MW-137
MW-138
B-217
DB13
B-10
DB06
MW-139
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -5

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
MW101
P03
P06
MW130
MW112
MW-132
P02
B-208
B-209
MW104
MW103
B-213
DB10
P04
DB07
B-3
MW107
MW-133
B-201
B-210
MW111
MW-141
MW-137
MW-138
B-217
DB06
MW-139
DB13
B-10
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -10

232,100

231,900

PCE
- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
MW109
MW112
MW-132
P02
B-208
B-209
MW103
B-213
DB10
P04
DB07
B-3
MW111
MW-133
B-201
MW107
B-210
MW-141
MW-137
MW-138
B-217
DB13
B-10
MW-139
DB06
B-214
B-5
DB08
DB09
R-MW6
B-1
VV-MW-01
DB11
MW06
MW-136
B-216
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -15

232,100

231,900

PCE
- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
MW-132
MW112
P02
B-208
B-209
MW104
MW103
B-213
DB10
P04
DB07
B-3
MW111
MW-133
B-201
MW107
B-210
MW-141
MW-137
MW-138
B-217
DB13
B-10
DB06
MW-139
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -20

232,100

231,900

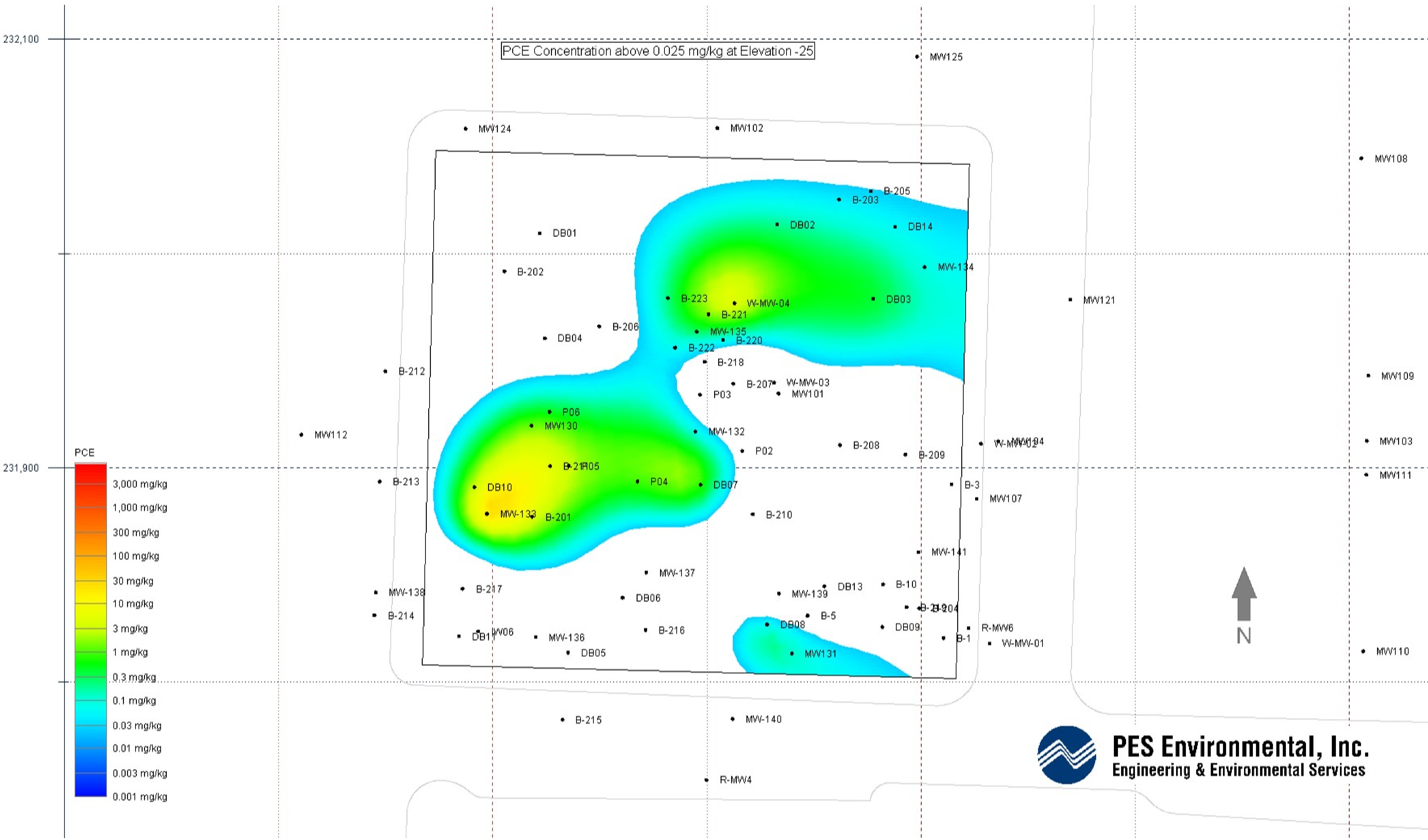
PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
MW-132
MW112
P02
B-208
B-209
MW103
B-213
DB10
P04
DB07
B-3
MW111
MW-133
B-201
MW107
B-210
MW-141
MW-137
B-217
DB13
B-10
MW-138
DB06
MW-139
B-214
B-5
DB08
DB09
R-MW6
DB11
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services


PCE Concentration above 0.025 mg/kg at Elevation -25
232,100
231,900
PCE
3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg
MW125
MW124
MW102
MW108
B-205
B-203
DB02
DB14
DB01
MW-134
B-202
MW121
B-223
W-MW-04
DB03
B-221
B-206
MW-135
DB04
B-220
B-222
B-218
B-212
W-MW-03
B-207
MW109
P03
MW101
P06
MW130
MW-132
MW112
B-208
B-209
MW103
P02
B-213
P04
DB07
B-3
MW111
DB10
MW107
MW-133
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B-210
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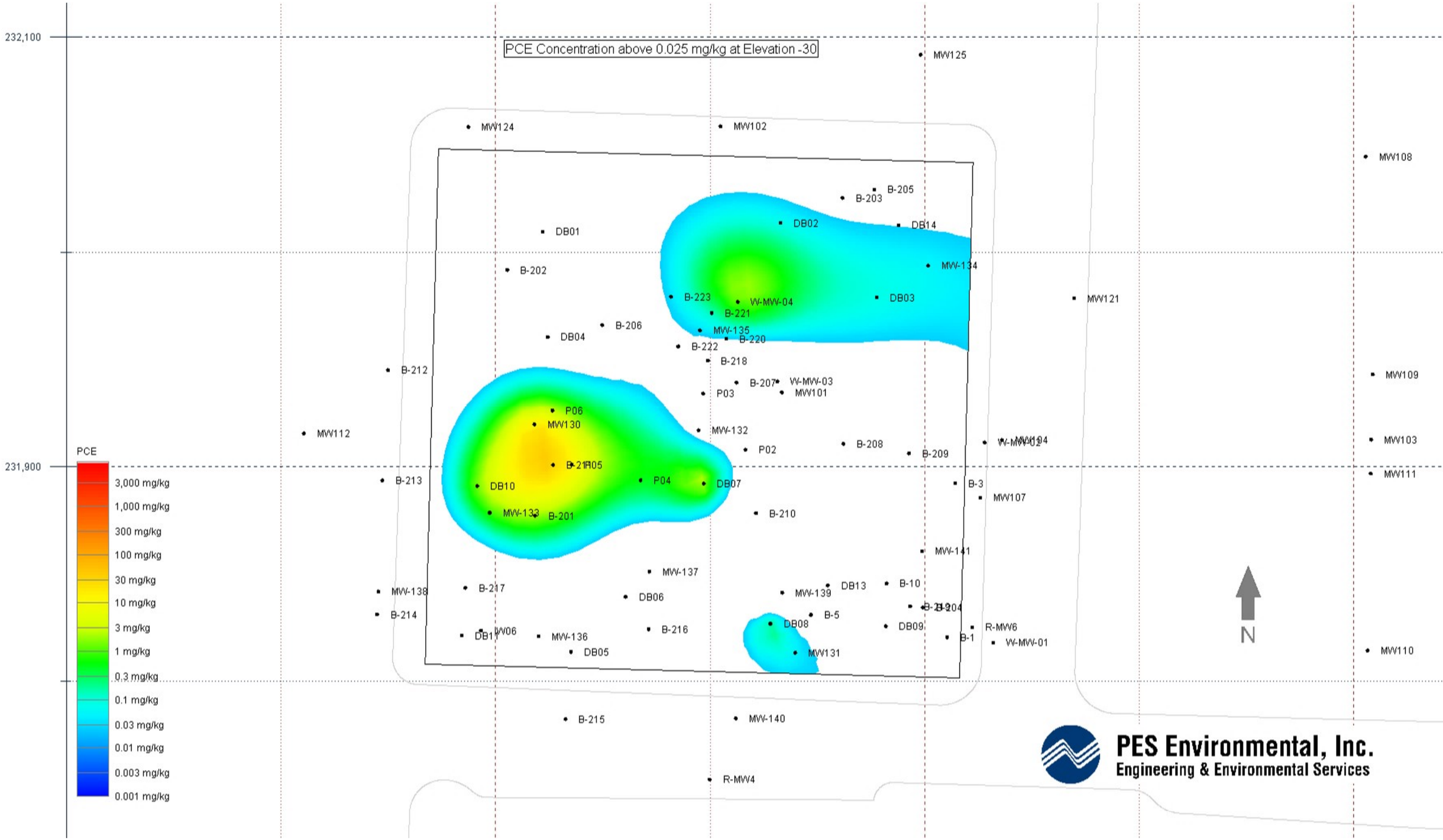
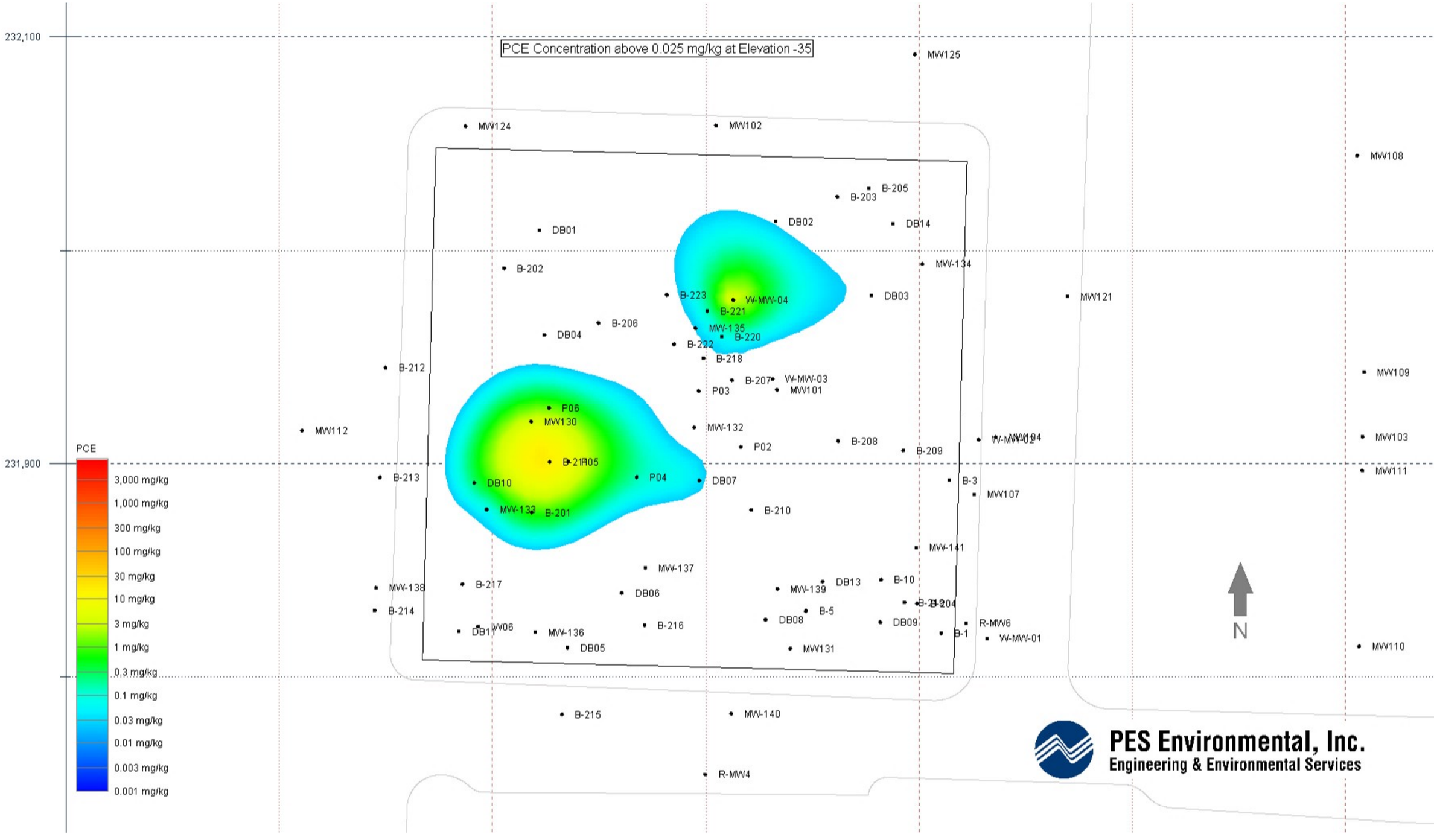
MW-137
DB13
B-10
MW-138
B-217
MW-139
DB06
B-214
B-5
DB08
DB09
R-MW6
B-216
MW-136
B-1
W-MW-01
MW110
DB05
MW131
B-215
MW-140
R-MW4
N
PES Environmental, Inc.
Engineering & Environmental Services


PCE Concentration above 0.025 mg/kg at Elevation -30
232,100
231,900
PCE
3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg
MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
MW109
MW112
MW-132
P02
B-208
B-209
MW103
P05
B-213
DB10
P04
DB07
B-3
MW111
MW-133
B-201
MW107
B-210
MW-141
MW-137
MW-138
B-217
DB13
B-10
DB06
MW-139
B-214
B-5
B-204
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4
N
PES Environmental, Inc.
Engineering & Environmental Services


PCE Concentration above 0.025 mg/kg at Elevation -35
232,100
231,900
PCE
3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg
MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
MW112
MW-132
P02
B-208
B-209
MW109
MW103
MW111
B-213
DB10
P04
DB07
B-3
MW107
B-210
MW-133
B-201
MW-141
MW-137
MW-138
B-217
DB06
DB13
B-10
MW-139
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4
N
PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -40

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
MW101
P03
P06
MW130
MW109
MW112
MW-132
B-208
P02
VV-MW-02
MW103
B-21R05
B-209
MW111
B-213
DB10
P04
DB07
B-3
MW107
MW-133
B-201
B-210
MW-141
MW-137
MW-138
B-217
DB13
B-10
MW-139
DB06
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -45

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
MW-134
B-202
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
MW101
P03
P06
MW130
MW109
MW112
MW-132
P02
B-208
B-209
MW103
B-21R05
MW111
B-213
DB10
P04
DB07
B-3
MW107
MW-133
B-201
B-210
MW-141
MW-137
MW-138
B-217
DB06
MW-139
DB13
B-10
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -50

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
MW101
P03
P06
MW130
MW109
MW112
MW-132
P02
B-208
B-209
MW103
B-21R05
MW111
B-213
DB10
P04
DB07
B-3
MW107
MW-133
B-201
B-210
MW-141
MW-137
MW-138
B-217
DB06
MW-139
DB13
B-10
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -55

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
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MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
MW101
P03
P06
MW130
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MW103
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P04
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DB06
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DB13
B-10
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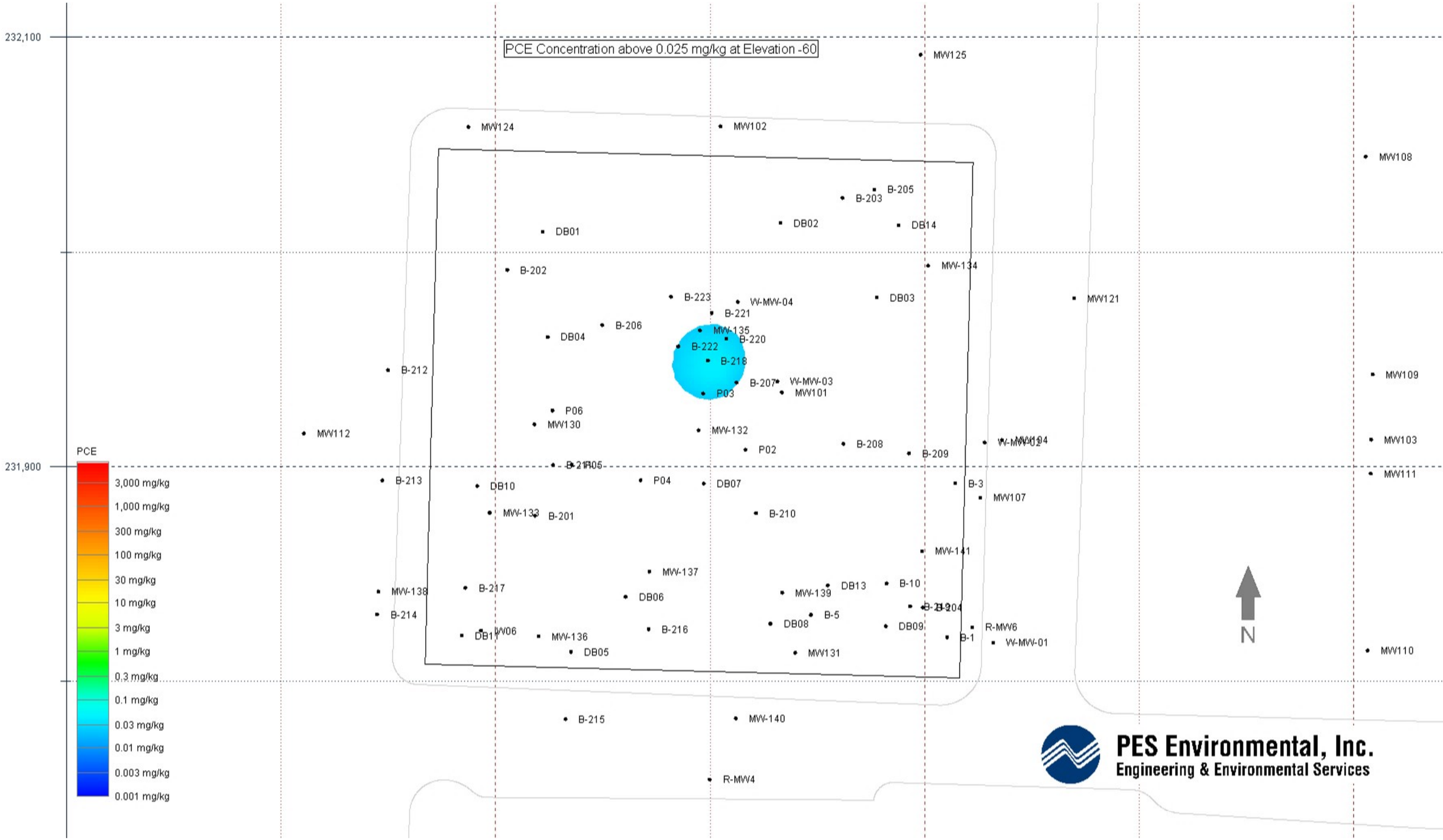
DB09
R-MW6
DB11
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services


PCE Concentration above 0.025 mg/kg at Elevation -60
232,100
231,900
PCE
3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg
MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
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P02
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MW104
MW103
B-213
DB10
P04
DB07
B-3
MW111
MW-133
B-201
B-210
MW107
MW-141
MW-137
MW-138
B-217
DB13
B-10
DB06
MW-139
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW109
MW110
B-215
MW-140
R-MW4
N
PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -65

232,100

231,900

PCE

3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
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MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
MW109
P06
MW130
MW112
MW-132
P02
B-208
B-209
MW104
MW103
B-213
DB10
P04
DB07
B-3
MW111
MW-133
B-201
B-210
MW107
MW-141
MW-137
MW-138
B-217
DB13
B-10
DB06
MW-139
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -70

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
MW109
MW112
MW-132
P02
B-208
B-209
MW104
MW103
B-213
DB10
P04
DB07
B-3
MW111
MW-133
B-201
B-210
MW107
MW-141
MW-137
MW-138
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DB13
B-10
MW-139
DB06
B-214
B-5
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DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -75

232,100

231,900

PCE

3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-218
B-212
B-207
VV-MW-03
P03
MW101
MW109
P06
MW130
MW112
MW-132
P02
B-208
B-209
MW104
MW103
MW105
MW111
B-213
DB10
P04
DB07
B-3
MW107
MW-133
B-201
B-210
MW-141
MW-137
MW-138
B-217
DB13
B-10
MW-139
DB06
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -80

232,100

231,900

PCE

3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-218
B-212
B-207
VV-MW-03
P03
MW101
MW109
P06
MW130
MW112
MW-132
P02
B-208
B-209
MW104
MW103
B-213
DB10
P04
DB07
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MW111
MW-133
B-201
B-210
MW107
MW-141
MW-137
MW-138
B-217
DB13
B-10
MW-139
DB06
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -85

232,100

231,900

PCE

- 3,000 mg/kg
- 1,000 mg/kg
- 300 mg/kg
- 100 mg/kg
- 30 mg/kg
- 10 mg/kg
- 3 mg/kg
- 1 mg/kg
- 0.3 mg/kg
- 0.1 mg/kg
- 0.03 mg/kg
- 0.01 mg/kg
- 0.003 mg/kg
- 0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-212
B-218
B-207
VV-MW-03
P03
MW101
P06
MW130
MW109
MW112
MW-132
P02
B-208
B-209
MW104
MW103
B-213
DB10
P04
DB07
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MW111
MW-133
B-201
B-210
MW107
MW-141
MW-137
MW-138
B-217
DB13
B-10
DB06
MW-139
B-214
B-5
B-204
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -90

232,100

231,900

PCE

3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-218
B-212
B-207
VV-MW-03
P03
MW101
MW109
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MW130
MW112
MW-132
P02
B-208
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MW103
B-213
DB10
P04
DB07
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MW111
MW-133
B-201
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MW-141
MW-137
MW-138
B-217
DB13
B-10
MW-139
DB06
B-214
B-5
B-204
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -95

232,100

231,900

PCE

3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
DB14
B-202
MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
DB04
B-220
B-222
B-218
B-212
B-207
VV-MW-03
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MW101
MW109
P06
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MW112
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MW-133
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B-217
DB13
B-10
MW-139
DB06
B-214
B-5
DB08
DB09
R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services

PCE Concentration above 0.025 mg/kg at Elevation -100

232,100

231,900

PCE

3,000 mg/kg
1,000 mg/kg
300 mg/kg
100 mg/kg
30 mg/kg
10 mg/kg
3 mg/kg
1 mg/kg
0.3 mg/kg
0.1 mg/kg
0.03 mg/kg
0.01 mg/kg
0.003 mg/kg
0.001 mg/kg

MW125
MW124
MW102
MW108
B-205
B-203
DB01
DB02
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MW-134
B-223
VV-MW-04
DB03
MW121
B-221
B-206
MW-135
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B-218
B-212
B-207
VV-MW-03
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R-MW6
DB11
MW06
MW-136
B-216
B-1
VV-MW-01
DB05
MW131
MW110
B-215
MW-140
R-MW4

N

PES Environmental, Inc.
Engineering & Environmental Services